TM 4-48.06/TO 13C7-2-481

Airdrop of Supplies and Equipment: Rigging 5-Ton Trucks

MARCH 2016

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This publication supersedes FM 10-526/TO 13C7-2-481 2 May 1985.

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*TM 4-48.06/TO 13C7-2-481 (FM 10-526/TO 13C7-2-481)

Technical Manual (TM)
No. 4-48.06

Headquarters
Department of the Army
Washington, DC

Technical Order (TO)
No. 13C7-2-481

Headquarters
Department of the Air Force
Washington, DC
15 March 2016

Airdrop of Supplies and Equipment: Rigging 5-Ton Trucks

Contents

		Page
	PREFACE	**xv**
	INTRODUCTION	**xvi**
Chapter 1	**DESCRIPTION OF RIGGED ITEMS**	**1-1**
Chapter 2	**RIGGING INFORMATION FOR TYPE V AIRDROP PLATFORM**	**2-1**
	Description Of Items	2-1
	Special Considerations	2-3
	Modifying Truck	2-3
	Accompanying Load	2-7
Chapter 3	**RIGGING THE M813 OR M54, 5-TON CARGO TRUCK ON A TYPE V PLATFORM**	**3-1**
	Description Of Load	3-1
	Preparing Platform	3-2
	Building and Positioning Honeycomb	3-5
	Removing Truck Components	3-16
	Preparing Truck	3-16
	Building Frame Support	3-27
	Installing Engine Supports and Frame Support	3-29
	Positioning Truck	3-32
	Installing Lashings	3-34
	Stowing Truck Components	3-38
	Constructing and Installing Rear Suspension Sling Spreader	3-41
	Stowing Body Side Racks	3-44
	Constructing and Installing Front Suspension Sling Spreaders	3-45
	Installing Load Cover	3-52

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Installing Suspension Slings and Deadman's Tie 3-53
Stowing Cargo Parachutes 3-54
Installing Release System 3-55
Installing Extraction System 3-56
Placing Extraction Parachute 3-58
Installing Provisions For Emergency Restraints 3-58
Marking Rigged Load 3-58
Equipment Required 3-58

Chapter 4 RIGGING THE M817 OR M51, 5-TON DUMP TRUCK ON A TYPE V PLATFORM 4-1
Description of Load 4-1
Preparing Platform 4-2
Building and Positioning Honeycomb 4-4
Removing Truck Components 4-15
Building Frame Support 4-15
Installing Engine Supports and Frame 4-17
Preparing Truck 4-19
Installing Load Cover 4-30
Positioning Truck 4-31
Installing Lashings 4-34
Building Suspension Sling Spreaders 4-39
Installing Suspension Sling Spreaders 4-43
Installing Suspension Slings and Deadman's Tie 4-47
Stowing Cargo Parachutes 4-48
Installing Release System 4-49
Installing Extraction System 4-50
Placing Extraction Parachute 4-51
Installing Provisions For Emergency Restraints 4-51
Marking Rigged Load 4-51
Equipment Required 4-51

Chapter 5 RIGGING THE M925, 5-TON CARGO TRUCK ON A TYPE V PLATFORM 5-1
Description of Load 5-1
Preparing Platform 5-3
Building and Positioning Honeycomb Stacks 5-6
Removing Truck Components 5-23
Preparing Truck 5-23
Building Frame Support 5-38
Installing Engine Supports and Frame Support 5-42
Positioning Truck 5-44
Constructing and Installing Front Suspension Sling Spreaders 5-46
Installing Lashings 5-51
Constructing and Installing Rear Suspension Sling Spreader 5-56
Installing Suspension Slings and Antitumble Slings 5-59
Installing Load Cover and Deadman's Tie 5-62
Stowing Cargo Parachutes 5-63
Installing Release System 5-64
Installing Extraction System 5-65

Placing Extraction Parachute 5-66
Installing Provision for Emergency Restraints 5-66
Marking Rigged Load 5-66
Equipment Required 5-66

Chapter 6 RIGGING THE M925A1, 5-TON CARGO TRUCK ON A TYPE V PLATFORM 6-1
Description of Load 6-1
Preparing Platform 6-3
Building and Positioning Honeycomb Stacks 6-6
Removing Truck Components 6-25
Preparing Truck 6-25
Building Frame Support 6-40
Installing Engine Supports and Frame Support 6-44
Positioning Truck 6-46
Constructing and Installing Front Suspension Sling Spreaders 6-48
Installing Lashings 6-53
Constructing and Installing Rear Suspension Sling Spreader 6-59
Securing Spare Tire 6-62
Securing, Lashing, and Covering Troop Seats 6-64
Installing Suspension Slings and Antitumble Slings 6-67
Installing Deadman's Tie 6-70
Stowing Cargo Parachutes 6-71
Installing Release System 6-73
Installing Extraction System 6-74
Placing Extraction Parachute 6-75
Installing Provision for Emergency Restraints 6-75
Marking Rigged Load 6-75
Equipment Required 6-75

Chapter 7 RIGGING THE M929, 5-TON DUMP TRUCK ON A TYPE V PLATFORM 7-1
Description of load 7-1
Preparing Platform 7-2
Building and Positioning Honeycomb 7-4
Removing Truck Components 7-21
Building Frame Support 7-27
Installing Engine Supports and Frame Support 7-31
Constructing and Installing Rear Suspension Sling Spreader 7-33
Positioning Truck 7-36
Constructing and Installing Front Suspension Sling Spreaders 7-38
Installing Lashings 7-43
Constructing, Positioning, and Securing Parachute Stowage Platform 7-47
Installing Suspension Slings and Antitumble Slings 7-49
Installing Deadman's Tie 7-51
Stowing Cargo Parachutes 7-52
Installing Release System 7-53
Installing Extraction System 7-54
Placing Extraction Parachute 7-55
Installing Provision for Emergency Restraints 7-55
Marking Rigged Load 7-55

Equipment Required 7-55

Chapter 8 RIGGING THE M929A2, 5-TON DUMP TRUCK ON A 32-FOOT TYPE V PLATFORM FOR LOW-VELOCITY AIRDROP 8-1

Description of Load 8-1
Preparing Platform 8-1
Building and Positioning Honeycomb 8-3
Removing Truck Components 8-16
Preparing Truck 8-16
Building Frame Support 8-20
Building and Installing Front Sling Spreader 8-24
Building and Installing Middle Sling Spreader 8-25
Building and Installing Rear Sling Spreader 8-28
Positioning Truck and Installing Heavy Drop Derigging System 8-31
Installing Lashings 8-33
Preparing Hard Overhead Cab Cover 8-36
Installing Spare Tire and Hard Cab Cover 8-37
Lashing Cab Cover and Middle Sling Spreader to Platform 8-40
Installing and Safetying Suspension Slings 8-42
Installing Load Cover 8-44
Constructing and Instlling Parachute Stowage Platform 8-45
Stowing Cargo Parachutes 8-47
Installing Release System 8-48
Installing Extraction System 8-49
Placing Extraction Parachute 8-50
Installing Provision for Emergency Restraints 8-50
Marking Rigged Load 8-50
Equipment Required 8-50

GLOSSARY Glossary-1

REFERENCES References-1

INDEX Index-1

Figures

Figure 2-1. Mainframe extension assemblies installed on the front of the truck 2-3
Figure 2-2. Heavy-duty, 1 1/8-Inch thick, front lifting shackle brackets installed 2-4
Figure 2-3. Access holes cut in the body of the cargo truck 2-5
Figure 2-4. Access holes cut in the body of the dump truck 2-6
Figure 3-1. Unrigged M813, 5-Ton Cargo Truck 3-1
Figure 3-1. Unrigged M813, 5-Ton Cargo Truck (continued) 3-2
Figure 3-2. Suspension links installed 3-3
Figure 3-3. Platform prepared 3-4
Figure 3-4. Honeycomb stack 1 prepared 3-5
Figure 3-5. Honeycomb stack 2 prepared 3-6
Figure 3-6. Honeycomb stack 3 prepared 3-7

Figure 3-7. Honeycomb stacks 4 and 5 prepared 3-8
Figure 3-8. Honeycomb stack 6 prepared 3-9
Figure 3-9. Honeycomb stack 7 prepared 3-10
Figure 3-10. Honeycomb stack 8 prepared 3-11
Figure 3-11. Honeycomb stack 9 prepared 3-12
Figure 3-12. Honeycomb stacks positioned on platform 3-13
Figure 3-13. Front view of honeycomb stacks positioned on platform 3-14
Figure 3-14. Rear view of honeycomb stacks positioned on platform 3-15
Figure 3-15. Truck prepared 3-16
Figure 3-15. Truck prepared (continued) 3-17
Figure 3-15. Truck prepared (continued) 3-18
Figure 3-15. Truck prepared (continued) 3-19
Figure 3-15. Truck prepared (continued) 3-20
Figure 3-15. Truck prepared (continued) 3-21
Figure 3-15. Truck prepared (continued) 3-22
Figure 3-15. Truck prepared (continued) 3-23
Figure 3-15. Truck prepared (continued) 3-24
Figure 3-15. Truck prepared (continued) 3-25
Figure 3-15. Truck prepared (continued) 3-26
Figure 3-16. Material required for frame support 3-27
Figure 3-17. Frame support constructed 3-28
Figure 3-18. Engine supports installed 3-29
Figure 3-18. Engine supports installed (continued) 3-30
Figure 3-19. Frame support installed 3-31
Figure 3-20. Lifting slings installed 3-32
Figure 3-21. Truck positioned 3-33
Figure 3-22. Lashings 1 through 6 installed 3-34
Figure 3-23. Lashings 7 through 14 installed 3-35
Figure 3-24. Lashings 15 through 24 installed 3-36
Figure 3-25. Lashings 25 through 28 installed 3-37
Figure 3-26. Truck component stowed 3-38
Figure 3-26. Truck component stowed (continued) 3-39
Figure 3-26. Truck component stowed (continued) 3-40
Figure 3-27. Material required for the rear suspension sling spreader 3-41
Figure 3-28. Rear sling spreader constructed 3-42
Figure 3-29. Rear suspension sling spreader installed 3-43
Figure 3-30. Body side racks stowed 3-44
Figure 3-31. Material required for the right front suspension sling spreader 3-45
Figure 3-32. Right Front Suspension Sling Spreader Constructed 3-46
Figure 3-33. Material required for the left front suspension sling spreader 3-47
Figure 3-34. Right front suspension sling spreader constructed 3-48

Figure 3-35. Right front suspension sling spreader installed 3-49
Figure 3-35. Right front suspension sling spreader installed (continued) 3-50
Figure 3-36. Left front suspension sling spreader installed 3-51
Figure 3-37. Load cover installed 3-52
Figure 3-38. Suspension slings and deadman's tie installed 3-53
Figure 3-39. Six G-11B cargo parachutes installed 3-54
Figure 3-40. Release system installed 3-55
Figure 3-41. Extraction system installed 3-56
Figure 3-41. Extraction system installed (continued) 3-57
Figure 3-42. M813, 5-Ton Cargo Truck rigged for low-velocity airdrop on a type V platform 3-59
Figure 4-1. Unrigged M817, 5-ton dump truck 4-1
Figure 4-2. Suspension links installed 4-2
Figure 4-3. Platform prepared 4-3
Figure 4-4. Honeycomb stack 1 prepared 4-4
Figure 4-5. Honeycomb stack 2 prepared 4-5
Figure 4-6. Honeycomb stack 3 prepared 4-6
Figure 4-7. Honeycomb stacks 4 and 5 prepared 4-7
Figure 4-8. Honeycomb stack 6 prepared 4-8
Figure 4-9. Honeycomb stack 7 prepared 4-9
Figure 4-10. Honeycomb stack 8 prepared 4-10
Figure 4-11. Honeycomb stack 9 prepared 4-11
Figure 4-12. Honeycomb stacks positioned on platform 4-12
Figure 4-13. Front view of honeycomb stacks positioned on platform 4-13
Figure 4-14. Rear view of honeycomb stacks positioned on platform 4-14
Figure 4-15. Material for frame support 4-15
Figure 4-16. Frame support constructed 4-16
Figure 4-17. Engine supports installed 4-17
Figure 4-18. Frame support installed 4-18
Figure 4-19. Truck prepared 4-19
Figure 4-19. Truck prepared (continued) 4-20
Figure 4-19. Truck prepared (continued) 4-21
Figure 4-19. Truck prepared (continued) 4-22
Figure 4-19. Truck prepared (continued) 4-23
Figure 4-19. Truck prepared (continued) 4-24
Figure 4-19. Truck prepared (continued) 4-25
Figure 4-19. Truck prepared (continued) 4-26
Figure 4-19. Truck prepared (continued) 4-27
Figure 4-19. Truck prepared (continued) 4-28
Figure 4-19. Truck prepared (continued) 4-29
Figure 4-20. Load cover installed 4-30

Figure 4-21. Lifting slings installed 4-31
Figure 4-21. Lifting slings installed (continued) 4-32
Figure 4-22. Truck positioned (continued) 4-33
Figure 4-23. Lashings 1 through 6 installed 4-34
Figure 4-24. Lashings 7 through 12 installed 4-35
Figure 4-25. Lashings 13 through 18 installed 4-36
Figure 4-26. Lashings 19 through 30 installed 4-37
Figure 4-27. Lashings 31 through 38 installed 4-38
Figure 4-28. Material required for each front suspension sling spreader 4-39
Figure 4-29. Front suspension sling spreaders constructed 4-40
Figure 4-30. Material required for rear suspension sling spreader 4-41
Figure 4-31. Rear suspension sling spreaders constructed 4-42
Figure 4-32. Front suspension sling spreaders installed 4-43
Figure 4-32. Front suspension sling spreaders installed (continued) 4-44
Figure 4-32. Front suspension sling spreaders installed (continued) 4-45
Figure 4-33. Rear suspension sling spreader installed 4-46
Figure 4-34. Suspension slings and deadman's tie installed 4-47
Figure 4-35. Six G-11C cargo parachutes installed 4-48
Figure 4-36. Release system installed 4-49
Figure 4-37. Extraction system installed 4-50
Figure 4-38. M817, 5-ton dump truck rigged for low-velocity airdrop on a type V platform 4-52
Figure 5-1. Left side of unrigged M925, 5-ton cargo truck 5-1
Figure 5-2. Right side of unrigged M925, 5-ton cargo truck 5-2
Figure 5-3. Suspension links installed 5-4
Figure 5-4. Platform prepared 5-5
Figure 5-5. Material required for load spreader for honeycomb stack 2 5-6
Figure 5-6. Load spreader for honeycomb stack 2 constructed 5-7
Figure 5-7. Material required for load spreader for honeycomb stack 3 5-8
Figure 5-8. Load spreader for honeycomb stack 3 constructed 5-9
Figure 5-9. Material required for load spreader for honeycomb stack 4 5-10
Figure 5-10. Load spreader for honeycomb stack 4 constructed 5-11
Figure 5-11. Material required for load spreader for honeycomb stack 5 5-12
Figure 5-12. Load spreader for honeycomb stack 5 constructed 5-13
Figure 5-13. Honeycomb stack 1 prepared 5-14
Figure 5-14. Honeycomb stack 2 prepared 5-15
Figure 5-15. Honeycomb stack 3 prepared 5-16
Figure 5-16. Honeycomb stack 4 prepared 5-17
Figure 5-17. Honeycomb stack 5 prepared 5-18
Figure 5-18. Honeycomb stacks 6 and 7 prepared 5-19
Figure 5-19. Honeycomb stacks positioned on platform 5-20

Figure 5-20. Front view of honeycomb stacks (without load spreaders) positioned on platform 5-21
Figure 5-21. Rear view of honeycomb stacks (without load spreaders) positioned on platform 5-22
Figure 5-22. Truck prepared 5-23
Figure 5-22. Truck prepared (continued) 5-24
Figure 5-22. Truck prepared (continued) 5-25
Figure 5-22. Truck prepared (continued) 5-26
Figure 5-22. Truck prepared (continued) 5-27
Figure 5-22. Truck prepared (continued) 5-28
Figure 5-22. Truck prepared (continued) 5-29
Figure 5-22. Truck prepared (continued) 5-30
Figure 5-22. Truck prepared (continued) 5-31
Figure 5-22. Truck prepared (continued) 5-32
Figure 5-22. Truck prepared (continued) 5-33
Figure 5-22. Truck prepared (continued) 5-34
Figure 5-22. Truck prepared (continued) 5-35
Figure 5-22. Truck prepared (continued) 5-36
Figure 5-22. Truck prepared (continued) 5-37
Figure 5-23. Material required for frame support 5-38
Figure 5-23. Material required for frame support (continued) 5-39
Figure 5-24. Frame support constructed 5-40
Figure 5-24. Frame support constructed (continued) 5-41
Figure 5-25. Engine supports installed 5-42
Figure 5-26. Frame support installed 5-43
Figure 5-27. Lifting slings installed 5-44
Figure 5-28. Truck positioned 5-45
Figure 5-29. Material required for left front suspension sling spreader 5-46
Figure 5-30. Left front suspension sling spreader constructed 5-47
Figure 5-31. Material required for right front suspension sling spreader 5-48
Figure 5-32. Right front suspension sling spreader constructed 5-49
Figure 5-33. Front Suspension Sling Spreaders Installed 5-50
Figure 5-34. Lashings 1 through 8 installed 5-51
Figure 5-35. Lashings 9 through 14 installed 5-52
Figure 5-36. Lashings 15 through 18 installed 5-53
Figure 5-37. Lashings 19 through 24 installed 5-54
Figure 5-38. Lashings 25 through 30 installed 5-55
Figure 5-39. Material required for the rear suspension sling spreader 5-56
Figure 5-40. Rear suspension sling spreader constructed 5-57
Figure 5-41. Rear suspension sling spreader installed 5-58
Figure 5-42. Suspension slings and antitumble slings installed 5-59
Figure 5-42. Suspension slings and antitumble slings installed (continued) 5-60

Figure 5-42. Suspension slings and antitumble slings installed (continued) 5-61
Figure 5-43. Load cover and deadman's tie installed 5-62
Figure 5-44. Six G-11C cargo parachutes installed 5-63
Figure 5-45. Release system installed 5-64
Figure 5-46. Extraction System Installed 5-65
Figure 5-47. M925, 5-Ton Cargo Truck Rigged for Low-Velocity Airdrop on a Type V Platform 5-67
Figure 6-1. Right Side of Unrigged M925A1, 5-Ton Cargo Truck 6-1
Figure 6-2. Front and Rear Views of Unrigged M925A1, 5-Ton Cargo Truck 6-2
Figure 6-3. Suspension Links Installed 6-4
Figure 6-4. Platform Prepared 6-5
Figure 6-5. Material Required for Load Spreader for Honeycomb Stack 2 6-6
Figure 6-6. Load Spreader for Honeycomb Stack 2 Constructed 6-7
Figure 6-7. Material Required for Load Spreader for Honeycomb Stack 3 6-8
Figure 6-8. Load Spreader for Honeycomb Stack 2 Constructed 6-9
Figure 6-9. Material Required for Load Spreader for Honeycomb Stack 4 6-10
Figure 6-10. Load Spreader for Honeycomb Stack 4 Constructed 6-11
Figure 6-11. Material Required for Load Spreader for Honeycomb Stack 5 6-12
Figure 6-12. Load Spreader for Honeycomb Stack 5 Constructed 6-13
Figure 6-13. Material Required for Load Spreader for Honeycomb Stack 6 6-14
Figure 6-14. Load Spreader for Honeycomb Stack 6 Constructed 6-15
Figure 6-15. Honeycomb Stack 1 Prepared 6-16
Figure 6-16. Honeycomb Stack 2 Prepared 6-17
Figure 6-17. Honeycomb Stack 3 Prepared 6-18
Figure 6-18. Honeycomb Stack 4 Prepared 6-19
Figure 6-19. Honeycomb Stack 5 Prepared 6-20
Figure 6-20. Honeycomb Stack 6 Prepared 6-21
Figure 6-21. Honeycomb Stacks Positioned on Platform 6-22
Figure 6-22. Front View of Honeycomb Stacks Positioned on Platform 6-23
Figure 6-23. Rear View of Honeycomb Stacks Positioned on Platform 6-24
Figure 6-24. Truck Prepared 6-26
Figure 6-24. Truck Prepared (continued) 6-27
Figure 6-24. Truck Prepared (continued) 6-28
Figure 6-24. Truck Prepared (continued) 6-29
Figure 6-24. Truck Prepared (continued) 6-30
Figure 6-24. Truck Prepared (continued) 6-31
Figure 6-24. Truck Prepared (continued) 6-32
Figure 6-24. Truck Prepared (continued) 6-33
Figure 6-24. Truck Prepared (continued) 6-34
Figure 6-24. Truck Prepared (continued) 6-35
Figure 6-24. Truck Prepared (continued) 6-36

Figure 6-24. Truck Prepared (continued) 6-37
Figure 6-24. Truck Prepared (continued) 6-38
Figure 6-24. Truck Prepared (continued) 6-39
Figure 6-25. Material Required for Frame Support 6-40
Figure 6-25. Material Required for Frame Support (continued) 6-41
Figure 6-26. Frame Support Constructed 6-42
Figure 6-26. Frame Support Constructed (continued) 6-43
Figure 6-27. Engine Supports Installed 6-44
Figure 6-28. Frame Supports Installed 6-45
Figure 6-29. Lifting Slings Installed 6-46
Figure 6-30. Truck Positioned 6-47
Figure 6-31. Material Required for Left Front Suspension Sling Spreader 6-48
Figure 6-32. Left Front Suspension Sling Spreader Constructed 6-49
Figure 6-33. Material Required for Right Front Suspension Sling Spreader 6-50
Figure 6-34. Right Front Suspension Sling Spreader Constructed 6-51
Figure 6-35. Front Suspension Sling Spreaders Installed 6-52
Figure 6-36. Lashings 1 Through 8 Installed 6-53
Figure 6-37. Lashings 9 Through 14 Installed 6-54
Figure 6-38. Lashings 15 Through 18 Installed 6-55
Figure 6-39. Lashings 19 Through 26 Installed 6-56
Figure 6-40. Lashings 27 Through 32 Installed 6-57
Figure 6-41. Lashings 33 Through 36 Installed 6-58
Figure 6-42. Material Required for the Rear Suspension Sling Spreader 6-59
Figure 6-43. Rear Suspension Sling Spreader Constructed 6-60
Figure 6-44. Rear Suspension Sling Spreader Installed 6-61
Figure 6-45. Spare Tire Secured 6-62
Figure 6-45. Spare Tire Secured (continued) 6-63
Figure 6-46. Troop Seats Secured 6-64
Figure 6-47. Troop Seats Lashed 6-65
Figure 6-48. Troop Seats Covered 6-66
Figure 6-49. Suspension Slings and Antitumble Slings Installed 6-67
Figure 6-50. Suspension Slings and Antitumble Slings Installed (continued) 6-68
Figure 6-51. Rear Suspension Sling Spreader Installed (continued) 6-69
Figure 6-52. Deadman's Tie and Safety Tie Installed 6-70
Figure 6-53. Cargo Parachutes Stowed 6-71
Figure 6-53. Cargo Parachutes Stowed (continued) 6-72
Figure 6-54. Release System Installed 6-73
Figure 6-55. Extraction System Installed 6-74
Figure 6-56. M925A1, 5-Ton Cargo Truck Rigged for Low-Velocity Airdrop on a Type V Platform 6-76
Figure 7-1. Right Side of Unrigged M929, 5-Ton Dump Truck 7-1

Figure 7-2. Suspension Links Installed 7-2
Figure 7-3. Platform Prepared 7-3
Figure 7-4. Material Required for Load Spreader for Honeycomb Stack 2 7-4
Figure 7-5. Load Spreader for Honeycomb Stack 2 Constructed 7-5
Figure 7-6. Material Required for Load Spreader for Honeycomb Stack 3 7-6
Figure 7-7. Load Spreader for Honeycomb Stack 3 Constructed 7-7
Figure 7-8. Material Required for Load Spreader for Honeycomb Stack 4 7-8
Figure 7-9. Load Spreader for Honeycomb Stack 4 Constructed 7-9
Figure 7-10. Material Required for Load Spreader for Honeycomb Stack 5 7-10
Figure 7-11. Load Spreader for Honeycomb Stack 5 Constructed 7-11
Figure 7-12. Honeycomb Stack 1 Prepared 7-12
Figure 7-13. Honeycomb Stack 2 Prepared 7-13
Figure 7-14. Honeycomb Stack 3 Prepared 7-14
Figure 7-15. Honeycomb Stack 4 Prepared 7-15
Figure 7-16. Honeycomb Stack 5 Prepared 7-16
Figure 7-17. Honeycomb Stacks 6 and 7 Prepared 7-17
Figure 7-18. Honeycomb Stacks Positioned on Platform 7-18
Figure 7-19. Front View of Honeycomb Stacks Positioned on Platform 7-19
Figure 7-20. Rear View of Honeycomb Stacks Positioned on Platform 7-20
Figure 7-21. Truck Prepared 7-21
Figure 7-21. Truck Prepared (continued) 7-22
Figure 7-21. Truck Prepared (continued) 7-23
Figure 7-21. Truck Prepared (continued) 7-24
Figure 7-21. Truck Prepared (continued) 7-25
Figure 7-21. Truck Prepared (continued) 7-26
Figure 7-22. Material Required for Frame Support 7-27
Figure 7-22. Material Required for Frame Support (continued) 7-28
Figure 7-23. Right Front Suspension Sling Spreader Constructed 7-29
Figure 7-23. Right Front Suspension Sling Spreader Constructed (continued) 7-30
Figure 7-24. Engine Supports Installed 7-31
Figure 7-25. Frame Support Installed 7-32
Figure 7-26. Material Required for the Rear Suspension Sling Spreader 7-33
Figure 7-27. Rear Suspension Sling Spreader Constructed 7-34
Figure 7-28. Rear Suspension Sling Spreader Installed 7-35
Figure 7-29. Lifting Slings Installed 7-36
Figure 7-30. Truck Positioned 7-37
Figure 7-31. Material Required for the Left Front Suspension Sling Spreader 7-38
Figure 7-32. Left Front Suspension Sling Spreader Constructed 7-39
Figure 7-33. Material Required for the Right Front Suspension Sling Spreader 7-40
Figure 7-34. Right Front Suspension Sling Spreader Constructed 7-41
Figure 7-35. Front Suspension Sling Spreaders Installed 7-42

Figure 7-36. Lashings 1 Through 8 Installed 7-43
Figure 7-37. Lashings 9 Through 22 Installed 7-44
Figure 7-38. Lashings 23 Through 34 Installed 7-45
Figure 7-39. Lashings 35 Through 40 Installed 7-46
Figure 7-40. Parachute Stowage Platform Constructed 7-47
Figure 7-41. Parachute Stowage Platform Positioned and Secured 7-48
Figure 7-42. Suspension Slings and Anti-tumble Slings Installed 7-49
Figure 7-42. Suspension Slings and Anti-tumble Slings Installed (continued) 7-50
Figure 7-43. Load Cover and Deadman's Tie Installed 7-51
Figure 7-44. Six G-11C Cargo Parachutes Installed 7-52
Figure 7-45. Release System Installed 7-53
Figure 7-46. Extraction System Installed 7-54
Figure 7-47. M925A1, 5-Ton Dump Truck Rigged for Low-Velocity Airdrop on a Type V Platform 7-56
Figure 8-1. Platform Prepared 8-2
Figure 8-2. Material Required for Load Spreader for Honeycomb Stack 2 8-3
Figure 8-3. Load Spreader for Honeycomb Stack 2 Constructed 8-4
Figure 8-4. Material Required for Load Spreader for Honeycomb Stack 3 8-5
Figure 8-5. Load Spreader for Honeycomb Stack 3 Constructed 8-6
Figure 8-6. Material Required for Load Spreader for Honeycomb Stack 4 8-7
Figure 8-7. Load Spreader for Honeycomb Stack 4 Constructed 8-8
Figure 8-8. Material Required for Load Spreader for Honeycomb Stack 5 8-9
Figure 8-9. Load Spreader for Honeycomb Stack 5 Constructed 8-10
Figure 8-10. Honeycomb Stack 1 Prepared 8-11
Figure 8-11. Honeycomb Stack 2 Prepared 8-12
Figure 8-12. Honeycomb Stack 3 Prepared 8-13
Figure 8-13. Honeycomb Stack 4 Prepared 8-14
Figure 8-14. Honeycomb Stack 5 Prepared 8-15
Figure 8-15. Honeycomb Stacks Positioned on Platform 8-16
Figure 8-16. Truck Prepared 8-17
Figure 8-16. Truck Prepared (continued) 8-18
Figure 8-16. Truck Prepared (continued) 8-19
Figure 8-17. Material Required for Frame Support 8-20
Figure 8-18. Frame Support Constructed 8-21
Figure 8-18. Frame Support Constructed (continued) 8-22
Figure 8-19. Frame Support Installed 8-23
Figure 8-20. Front Sling Spreader Built and Installed 8-24
Figure 8-21. Material Required for the Middle Sling Spreader 8-25
Figure 8-22. Middle Sling Spreader Constructed 8-26
Figure 8-23. Middle Sling Spreader Installed 8-27
Figure 8-24. Material Required for the Rear Suspension Sling Spreader 8-28

Figure 8-25. Rear Sling Spreader Constructed 8-29
Figure 8-26. Rear Sling Spreader Installed 8-30
Figure 8-27. Lifting Slings and Heavy Drop Derigging System Installed 8-31
Figure 8-28. Truck Positioned 8-32
Figure 8-29. Lashings Installed 8-33
Figure 8-29. Lashings Installed (continued) 8-34
Figure 8-29. Lashings Installed (continued) 8-35
Figure 8-30. Hard Overhead Cab Cover Prepared 8-36
Figure 8-31. Spare Tire and Hard Cab Cover Installed 8-37
Figure 8-31. Spare Tire and Hard Cab Cover Installed (continued) 8-38
Figure 8-31. Spare Tire and Hard Cab Cover Installed (continued) 8-39
Figure 8-32. Lashings Installed 8-40
Figure 8-32. Lashings Installed (continued) 8-41
Figure 8-33. Suspension Slings Installed and Safetied 8-42
Figure 8-33. Suspension Slings Installed and Safetied (continued) 8-43
Figure 8-34. Load Cover Installed 8-44
Figure 8-35. Parachute Stowage Platform Constructed 8-45
Figure 8-36. Parachute Stowage Platform Positioned and Secured 8-46
Figure 8-37. Six G-11C Cargo Parachutes Installed 8-47
Figure 8-38. Release System Installed 8-48
Figure 8-39. Extraction System Installed 8-49
Figure 8-40. M925A2, 5-Ton Dump Truck Rigged for Low-Velocity Airdrop on a Type V Platform 8-51

Tables

Table 2-1. Data for unrigged trucks 2-1
Table 2-1. Data for unrigged trucks (continued) 2-2
Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform 3-60
Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform (continued) 3-61
Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform (continued) 3-62
Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low- velocity airdrop on a type V platform 4-53
Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low-velocity airdrop on a type V platform (continued) 4-54
Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low-velocity airdrop on a type V platform (continued) 4-55
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform 5-68

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-69
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-70
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-71
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-72
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-73
Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 5-74
Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform 6-77
Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 6-78
Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 6-79
Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 6-80
Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform 7-57
Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 7-58
Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 7-59
Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 7-60
Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 7-61
Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform 8-52
Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 8-53
Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 8-54
Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued) 8-55

Preface

TM 4-48.06, *Airdrop of Supplies And Equipment, Rigging 5-Ton Truck,* provides doctrinal guidance on the approved procedures on how to prepare and rig a 5-ton cargo truck on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment to be delivered by low-velocity airdrop from C-130 or C-17 aircraft.

The principal audience for TM 4-48.06 is all members of the profession of arms. Commanders and staffs of Army headquarters serving as joint task force or multinational headquarters should also refer to applicable joint or multinational doctrine concerning the range of military operations and joint or multinational forces. Trainers and educators throughout the Army and the Air Force will also use this publication.

Commanders, staffs, and subordinates ensure that their decisions and actions comply with applicable United States, international, and in some cases host-nation laws and regulations. Commanders at all levels ensure that their Soldiers operate in accordance with the law of war and the rules of engagement. (See FM 27-10).

TM 4-48.06 uses joint terms where applicable. Selected joint and Army terms and definitions appear in both the glossary and the text. For definitions shown in the text, the term is italicized and the number of the proponent publication follows the definition. This publication is not the proponent for any Army terms.

TM 4-48.06 applies to Active Army, the Army National Guard/Army National Guard of the United States, United States Army Reserve, United States Air Force, Air National Guard, and Air Force Reserve Command unless otherwise noted.

The proponent of TM 4-48.06 is the United States Army Combined Arms Support Command. The preparing agency is the Aerial Delivery and Field Services Department, United States Army Quartermaster School. Send comments and recommendations on a DA Form 2028 (Recommended Changes to Publications and Blank Forms).

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Introduction

Publication of TM 4-48.06/TO 13C7-2-481 (FM 10-526/TO 13C7-2-481) *Airdrop of Supplies and Equipment: Rigging 5-Ton Trucks* supersedes FM 10-526, *Airdrop of Supplies and Equipment: Rigging 5-Ton Trucks*, 2 May 1985.

This special revision does not integrate any changes in Army doctrine since 2 May 1985 and does alter the publication's original references. For the status of official Department of the Army (DA) publications, consult DA Pam 25-30, Consolidated Index of Army Publications and Blank Forms, at http://armypubs.army.mil/2530.html DA Pam 25-30 is updated as new and revised publications, as well as changes to publications are published For the content/availability of specific subject matter, contact the appropriate proponent.

Chapter 1

Description of Rigged Items

The description and unrigged data for the items covered in this manual are described in this chapter.

THE M813 OR M54, 5-TON CARGO TRUCK

1-1. The M813 is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The weight and dimensions of the truck are given in Chapter 2, Table 2-1 on page 2-1. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. The M813 truck is shown throughout chapter 3. Figure 3-1 on page 3-1 shows the unrigged M813 truck. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

THE M817 OR M51, 5-TON DUMP TRUCK

1-2. The M817 is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. The M817 truck is shown throughout chapter 4. Figure 4-1 on page 4-1 shows the unrigged M817 truck. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

THE M925, 5-TON CARGO TRUCK

1-3. The M925 is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M925 truck with winch weighs 22,360 pounds. Its height is 116 inches, reducible to 91 inches. The width of the truck is 98 inches. The length of the truck with winch is 329 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. Figures 5-1 and 5-2 on pages 5-1 and 5-2 show the unrigged M925 truck equipped with a winch and a hardtop cab cover. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

THE M925A1, 5-TON CARGO TRUCK

1-4. The M925A1 is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M925A1 truck with winch weighs 22,360 pounds. Its height is 116 inches, reducible to 91 inches. The width of the truck is 98 inches. The length of the truck with winch is 320 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

THE M929, 5-TON DUMP TRUCK

1-5. The M929 is rigged on a 28-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M929 truck weights 24,250 pounds. Its height is 120 ½ inches, reducible to 92 ½ inches. The width of the truck is 95 inches. The length of the truck is 273 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. Figure 7-1 on page 7-1 shows the unrigged M929 truck equipped with a bumper extension and a cab cover. The truck you rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

SPECIAL CONSIDERATIONS FOR THIS MANUAL ARE GIVEN BELOW.

1-6. The loads covered in this manual may include hazardous materials as defined in AFMAN 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030.19J/DLAI 4145.3. If included, the hazardous materials must be packaged, marked, and labeled as required by AFMAN 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030.19J/DLAI 4145.3. A copy of this manual must be available to the joint airdrop inspectors during the before- and after-loading inspection.

Chapter 2

Rigging Information for Type V Airdrop Platform

DESCRIPTION OF ITEMS

2-1. The unrigged data for trucks is listed in Table 2-1.

Table 2-1. Data for unrigged trucks

Cargo Trucks		
	M813	M813A1
Weight without winch	21,461 pounds	21,479 pounds
Weight without winch	22,126 pounds	22,144 pounds
Height	116 inches	116 inches
Width	98 inches	98 inches
Length without winch	301 inches	301 inches
Length with winch	317 inches	317 inches
	M54	M54A1 and M54A2
Weight without winch	19,231 pounds	19,480 pounds
Weight with winch	19,945 pounds	20,194 pounds
Height	116 inches	116 inches
Width	97 inches	97 inches
Length without winch	299 inches	299 inches
Length with winch	314 inches	314 inches
	M925	M925A1
Weight without winch	22,060 pounds	22,561 pounds
Weight without winch	22,458 pounds	23,275 pounds
*Height	116 inches	121 inches
Width	98 inches	97 inches
Length without winch	310 inches	310 inches
Length with winch	329 inches	332 inches
*Reducible to 86 inches.		

Table 2-1. Data for unrigged trucks (continued)

Dump Trucks		
	M51	M51A1 and M51A2
**Weight without winch	21,523 pounds	21,986 pounds
**Weight with winch	22,237 pounds	22,700 pounds
*Height	111 inches	111 inches
Width	98 inches	98 inches
Length without winch	267 inches	267 inches
Length with winch	282 inches	282 inches
	M817	M929
**Weight without winch	22,626 pounds	29,340 pounds
**Weight with winch	23,340 pounds	30,054 pounds
*Height	111 inches	118 inches
Width	95 inches	98 inches
Length without winch	274 inches	273 inches
Length with winch	289 inches	289 inches

* Reducible to 86 inches.
**Without cab shield.

Note In the above descriptions, all weights and dimensions are rounded to the nearest pound and inch.

SPECIAL CONSIDERATIONS

2-2. Special considerations for the type V platform are given below.

- These loads may include hazardous material as defined in AFMAN 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030.19J/DLAI 4145.3. If hazardous material is included, it must be packaged, marked, and labeled as required by AFMAN 24-204/TM 38-250/NAVSUP PUB 505/MCO P4030.19J/DLAI 4145.3.
- When rigging the truck for low-velocity airdrop, use only type XXVI nylon webbing suspension slings, the M-2 cargo parachute release assembly, and the extraction force transfer coupler.
- A copy of this manual must be available to the joint airdrop inspectors during the before and after-loading inspections.

MODIFYING TRUCK

2-3. The truck must be modified by qualified maintenance personnel before it is delivered to the rigging site. The following modifications must be made to all trucks to be rigged for low-velocity airdrop.

- If the truck is NOT equipped with a winch, mainframe extension assemblies MUST be installed. Figure 2-1 shows the mainframe extension assemblies installed.
- The standard front lifting shackle brackets MUST be replaced with heavy-duty, 1 1/8-inch-thick, front lifting shackle brackets. Figure 2-2 on page 2-4 shows the 1 1/8-inch thick brackets installed.
- Access holes must be made in the body of the trucks. Figure 2-3 on page 2-5 shows the location of the access holes in the body of the cargo truck. Figure 2-4 on page 2-6 shows the location of the access holes in the body of the dump truck.

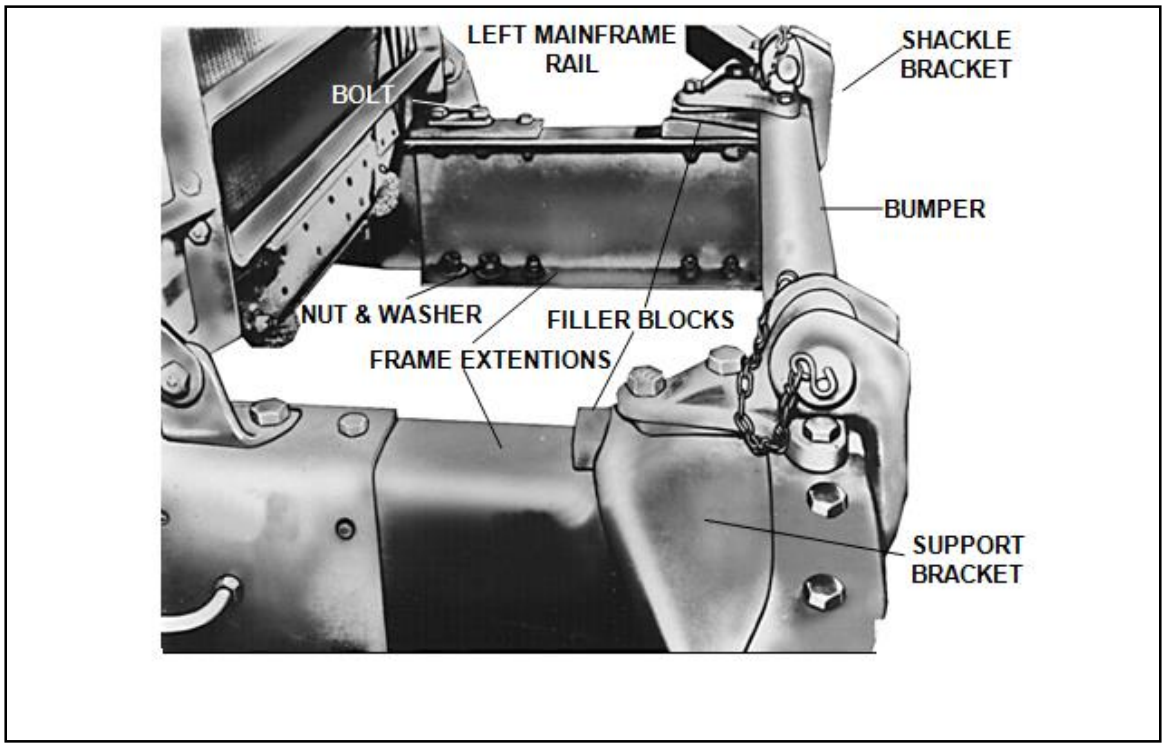
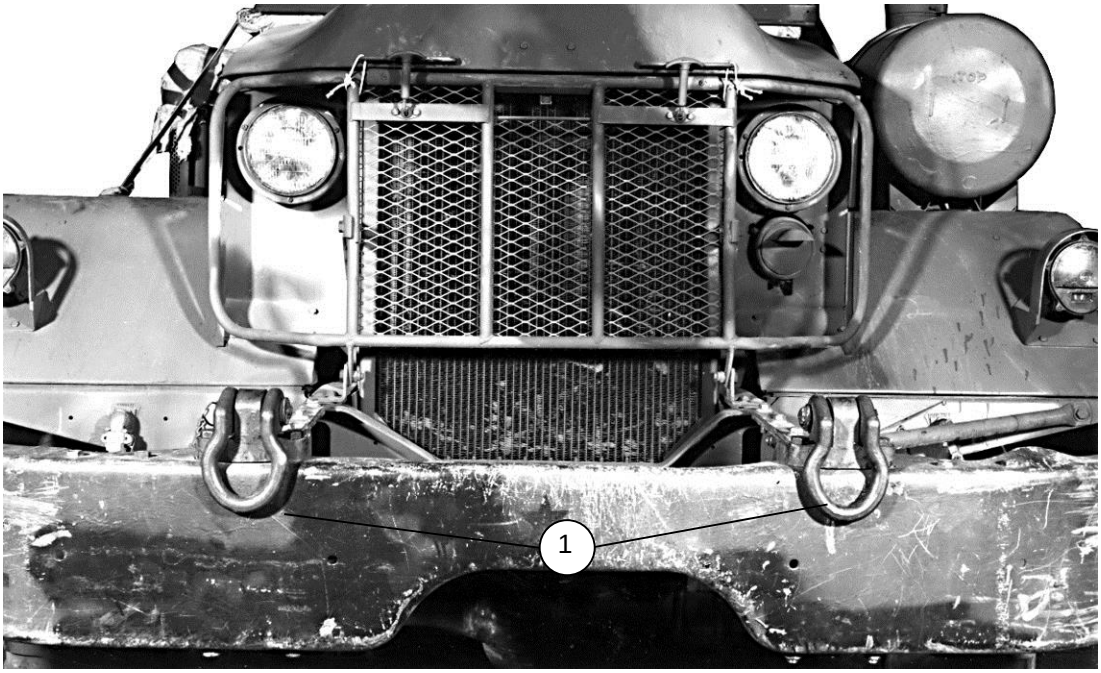


Figure 2-1. Mainframe extension assemblies installed on the front of the truck

CAUTION

All 5-ton trucks to be rigged for low-velocity airdrop MUST be equipped with 1 1/8-inch-thick front lifting shackle brackets.



① Bolt a 1 1/8-inch-thick bracket to each side of the front bumper of the truck.

Figure 2-2. Heavy-duty, 1 1/8-Inch thick, front lifting shackle brackets installed

Notes. 1. This drawing is not drawn to scale.
2. All Dimensions are given in inches.

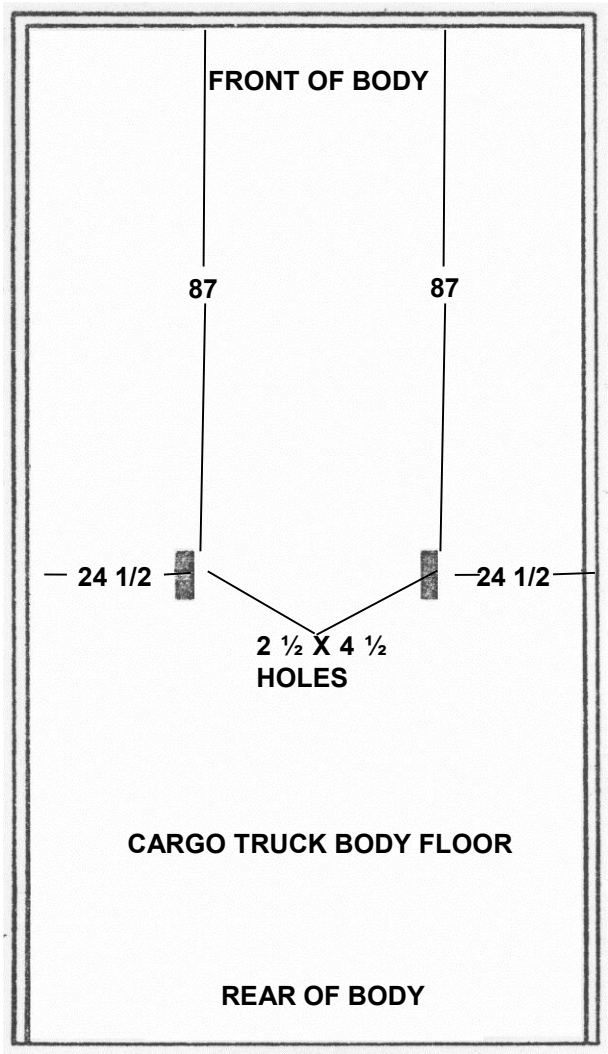


Figure 2-3. Access holes cut in the body of the cargo truck

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.

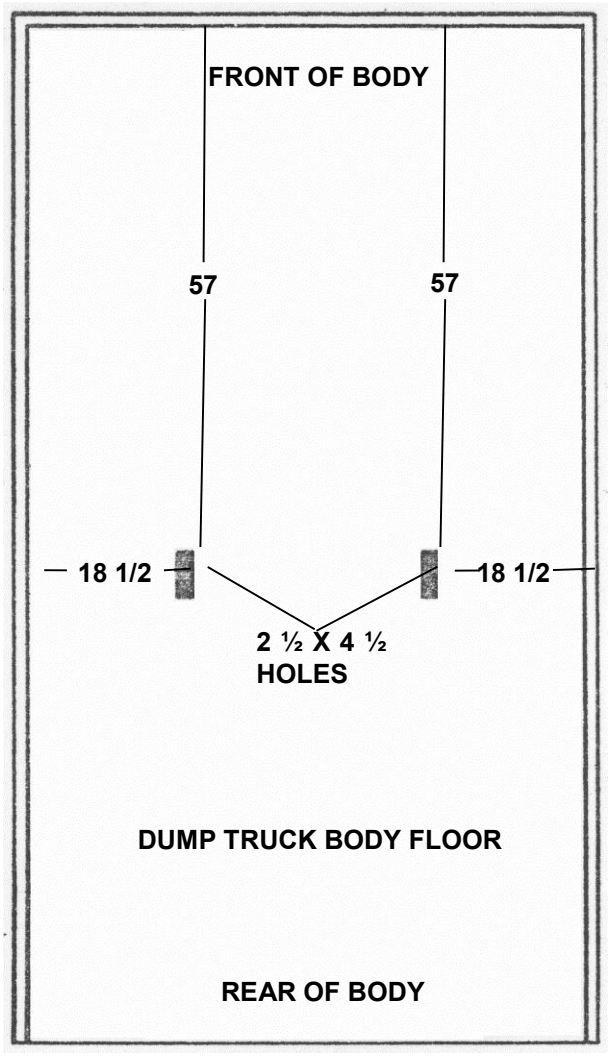


Figure 2-4. Access holes cut in the body of the dump truck

ACCOMPANYING LOAD

2-4. An accompanying load may be rigged as art of any load listed in this manual.

- The accompanying load MUST-
  - Be stowed in the body of the truck.
  - Meet the requirements and the restrictions given in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.
- The accompanying load MUST NOT-
  - Exceed the height of the cab when the cargo truck is rigged.
  - Exceed the height of the spare tire when the dump truck is rigged
  - Increase the height of the completely rigged load.
  - Interfere with or restrict the suspension slings.
  - Cause the total suspended weight to exceed 25,270 pounds.

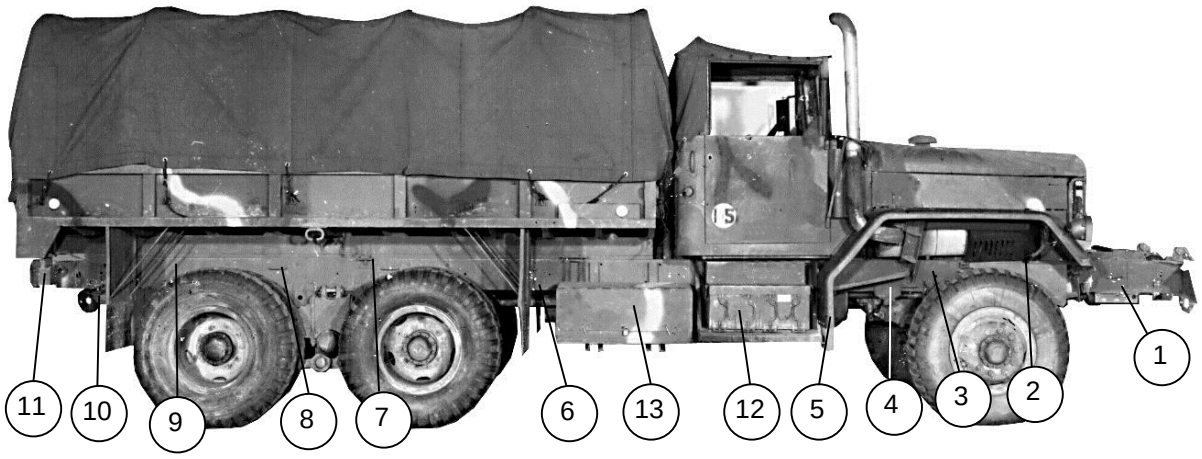
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Chapter 3

Rigging the M813 or M54, 5-Ton Cargo Truck On A Type V Platform

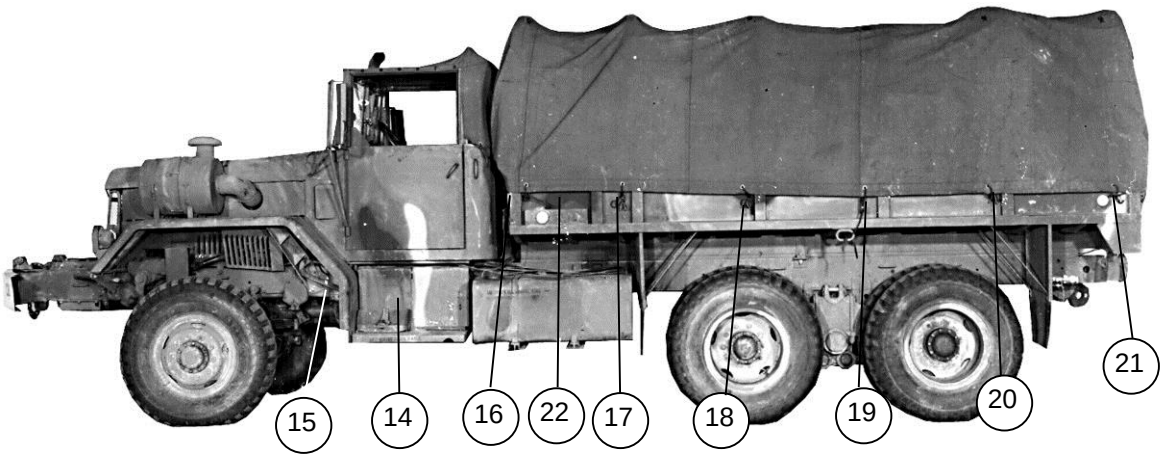
DESCRIPTION OF LOAD

3-1. The M813 of M54, 5-ton cargo truck is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The weight and dimensions of the truck are given in Chapter 2, Table 2-1 on pages 2-1 and 2-2. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. The M813 truck is shown throughout this chapter. Figure 3-1 shows the unrigged M813 truck. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.



1	First tiedown provision	7	Seventh tiedown provision
2	Second tiedown provision	8	Eighth tiedown provision
3	Third tiedown provision	9	Ninth tiedown provision
4	Fourth tiedown provision	10	Tenth tiedown provision
5	Fifth tiedown provision	11	Eleventh tiedown provision
6	Sixth tiedown provision	12	Battery box
		13	Tool box

Figure 3-1. Unrigged M813, 5-Ton Cargo Truck



14 Tool stowage box
15 Fender brace
16 First side rack socket
17 Second side rack socket
18 Third side rack socket
19 Fourth side rack socket
20 Fifth side rack socket
21 Sixth side rack socket
22 Side body storage sockets

Figure 3-1. Unrigged M813, 5-Ton Cargo Truck (continued)

PREPARING PLATFORM

3-2. Prepare a 24-foot, type V airdrop platform as described below.

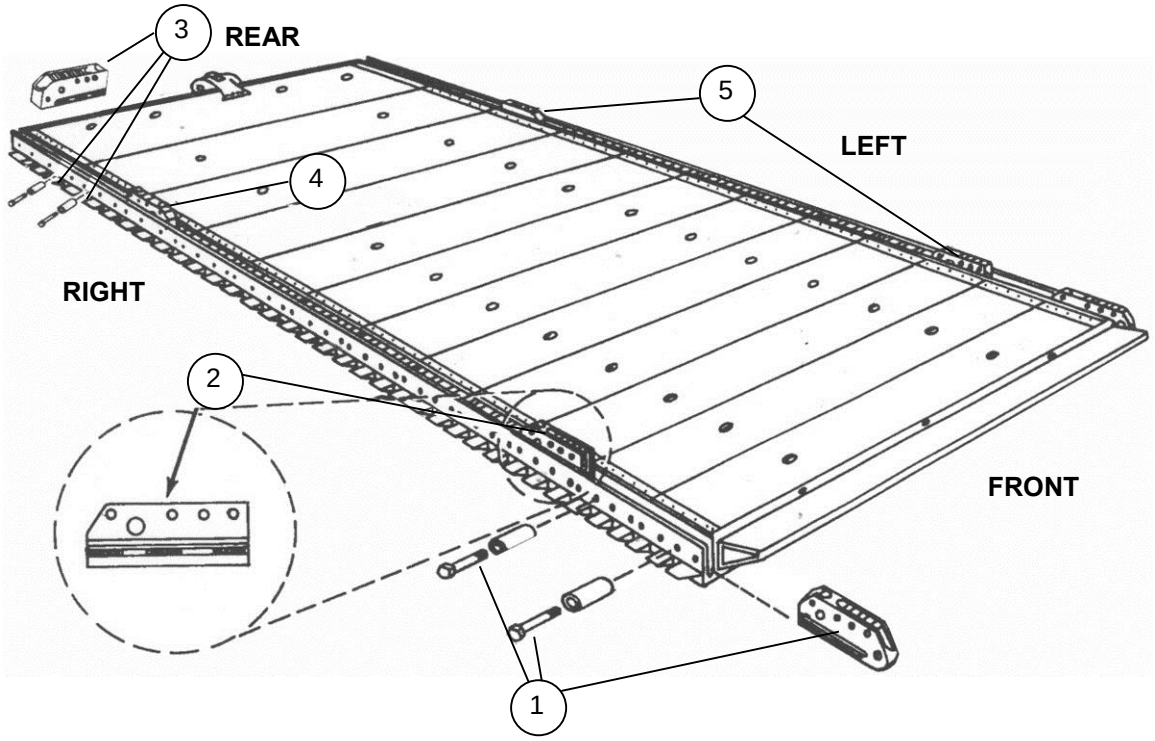
- Inspecting the platform. Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20 & P/TO 13C7-52-22.

Note: If the platform must be assembled, install the suspension links when assembling the platform. See Figure 3-2 on page 3-3 for the location of the suspension links.

- Installing suspension links. Install the suspension links as described in Figure 3-2.
- Installing tandem links. Install a tandem link on the front of each rail as shown in Figure 3-3 on page 3-4.
- Attaching and numbering clevises. Attach and number 36 clevises as shown in Figure 3-3.
- Labeling and numbering tiedown. Label and number the tiedown rings as shown in Figure 3-3.

Notes 1. The nose bumper may or may not be installed.
2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.

Note. This drawing is not drawn to scale.



① Remove any bushings, bolts, and tandem links that may have been installed in holes 1 through 11 on the right rail.

② Place a suspension link in the front of the right rail with the flat portion to the front of the rail.

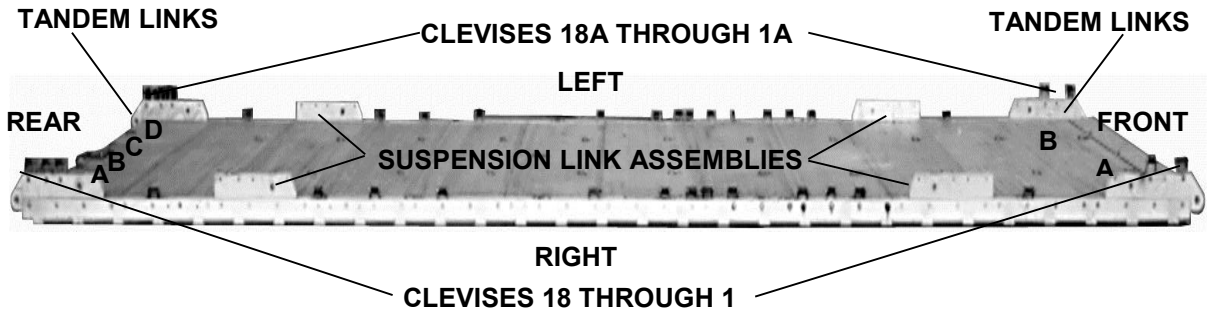
③ Slide the link along the rail until the hole in the link align with rail holes 9, 10, and 11. Bolt the link in place with the bushing bolts.

④ Remove any bushings, bolts, and tandem links that may have been installed in holes 38 through 48 on the right rail.

⑤ Place a suspension link on the rear of the right rail with the flat portion to rear of the rail. Slide the link along the rail until the holes in the link align with rail holes 38, 39, and 40. Bolt the link in place with the bushing bolts.

⑥ Install two suspension links on the left rail, adapting the procedures in steps 1 through 4 above.

Figure 3-2. Suspension links installed



Steps:

1. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
2. Install a clevis on bushings 1 and 3 of each front tandem link.
3. Install a tandem link on the rear of each platform side rail using holes 46, 47, and 48.
4. Install a clevis on bushings 2, 3, and 4 each rear tandem link.
5. Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 7, 14, 15, 16, 19, 20, 21, 22, 25, 31, 34, 36, and 43.
6. Start at the front of the platform, number the clevises bolted to the right side from 1 through 18 and those bolted to the left side from 1A through 18A.
7. Label the two rows of tiedown rings in the first 11 panels A and B from right to left. Label the two rows of tiedown rings in the last panel A, B, C, and D from right to left. Starting at the front of the platform, number the rows of tiedown rings 1 through 12.

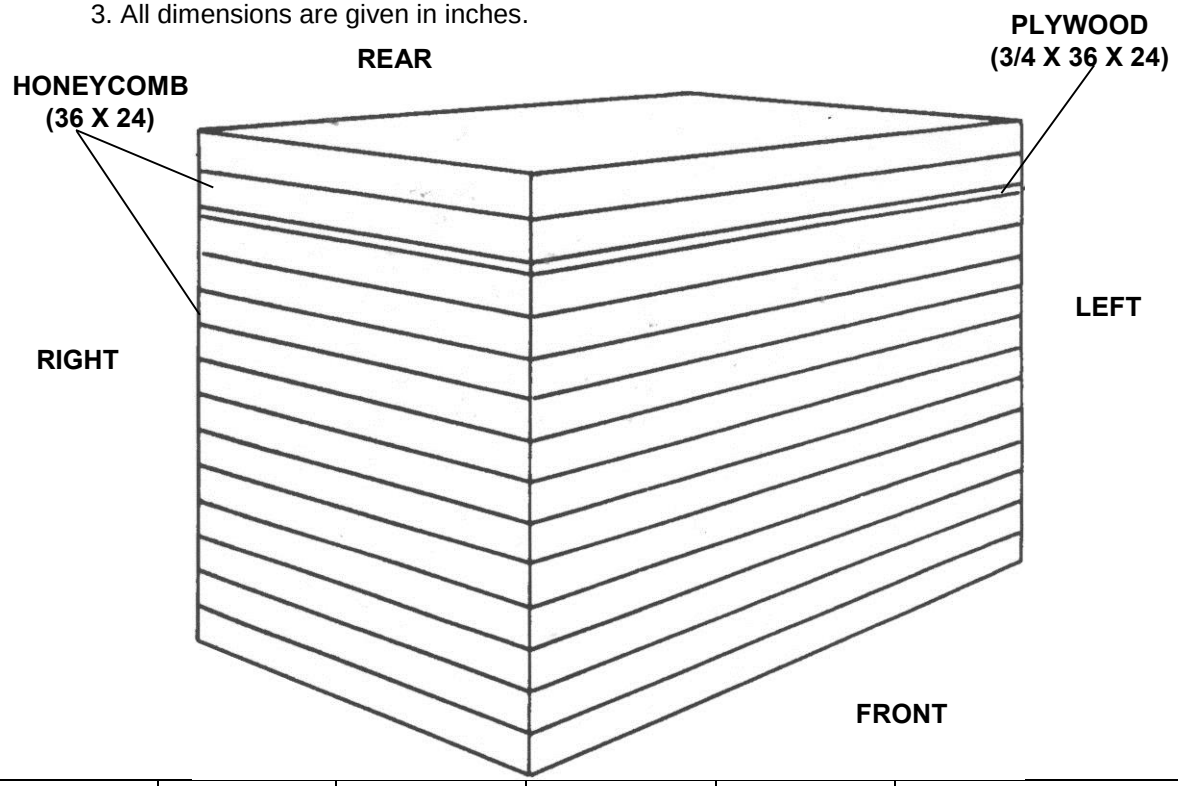
Figure 3-3. Platform prepared

BUILDING AND POSITIONING HONEYCOMB

3-3. Build and position the honeycomb stacks described below.

- Build the honeycomb stacks as shown in Figures 3-4 through 3-11 on the following pages. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform.
- Position the honeycomb stacks on the platform as shown in Figures 3-12 through 3-14 beginning on page 3-13 .

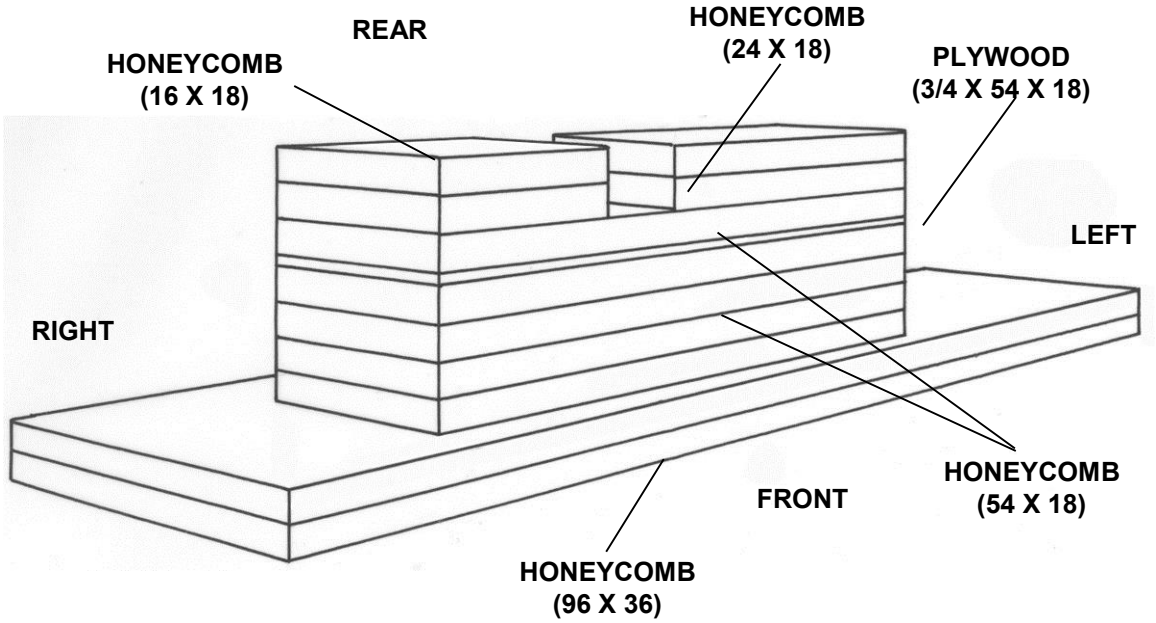
Notes. 1. This drawing is not drawn to scale.
2. If the truck you are rigging is NOT equipped with a winch, place one additional 36- by 24-inch layer of honeycomb on top of stack 1.
3. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	11	36	24	Honeycomb	Place honeycomb as the base.
	1	36	24	¾-inch plywood	Place plywood on top of the base.
	1	36	24	Honeycomb	Place honeycomb on top of the plywood.

Figure 3-4. Honeycomb stack 1 prepared

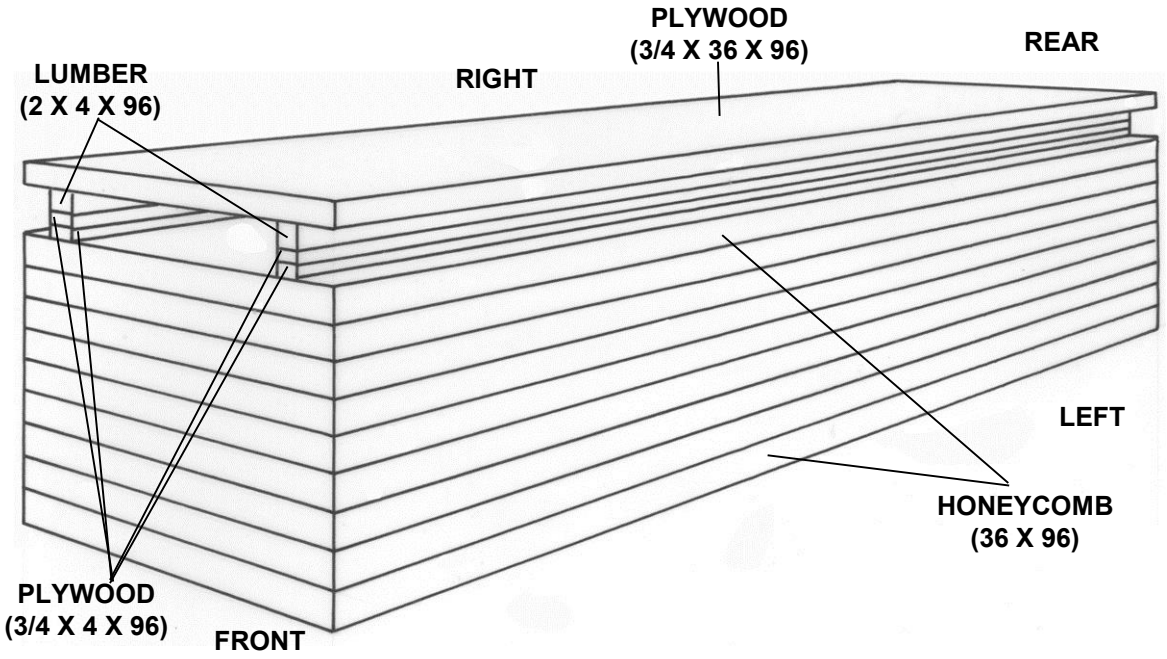
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
2	1	96	36	Honeycomb	Place honeycomb as the base.
	3	54	18	Honeycomb	Center honeycomb on top of the base.
	1	54	18	¾-inch plywood	Place plywood on top of the 54- by 18-inch honeycomb.
	1	54	18	Honeycomb	Place honeycomb on top of the plywood.
	2	16	18	Honeycomb	Place honeycomb on top of and flush with the right side of the 54- by 18-inch honeycomb.
	2	24	18	Honeycomb	Place honeycomb on top of and flush with the left side of the 54- by 18-inch honeycomb.

Figure 3-5. Honeycomb stack 2 prepared

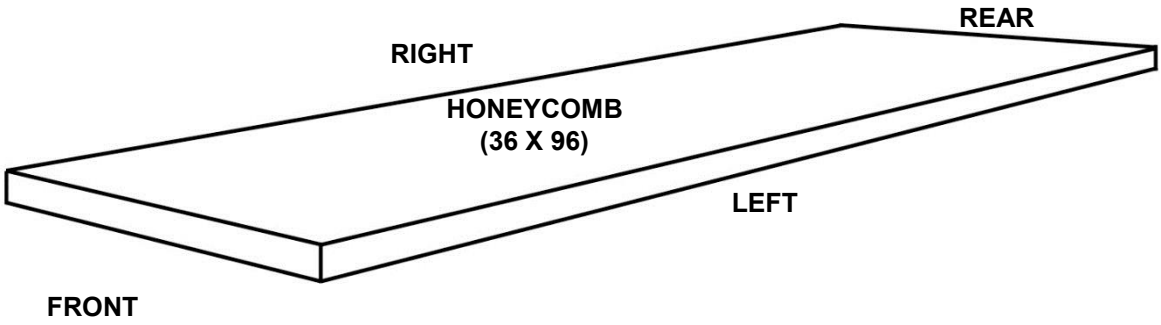
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3	7	36	96	Honeycomb	Place honeycomb as the base.
	2	4	96	¾-inch plywood	Place plywood on top of the base 8 inches from the right side.
	2	4	96	¾-inch plywood	Place plywood on top of the base8 inches from the left side.
	1	4	96	2- by 4-inch lumber	Place lumber on top of the 4- by 96-inch plywood on the right side.
	1	4	96	2- By 4-inch lumber	Place lumber on top of the 4- by 96-inch plywood on the left side.
	1	36	96	¾-inch plywood	Center plywood on top of the lumber and over the honeycomb base.

Figure 3-6. Honeycomb stack 3 prepared

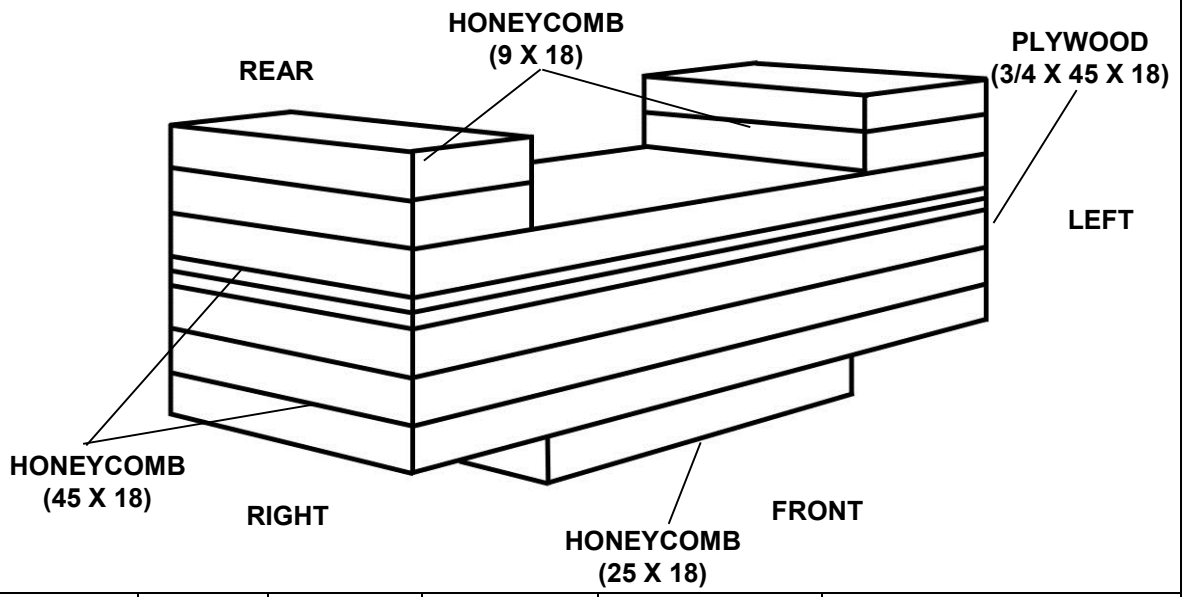
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
4	1	36	96	Honeycomb	Form stack
5	1	36	96	Honeycomb	Form stack

Figure 3-7. Honeycomb stacks 4 and 5 prepared

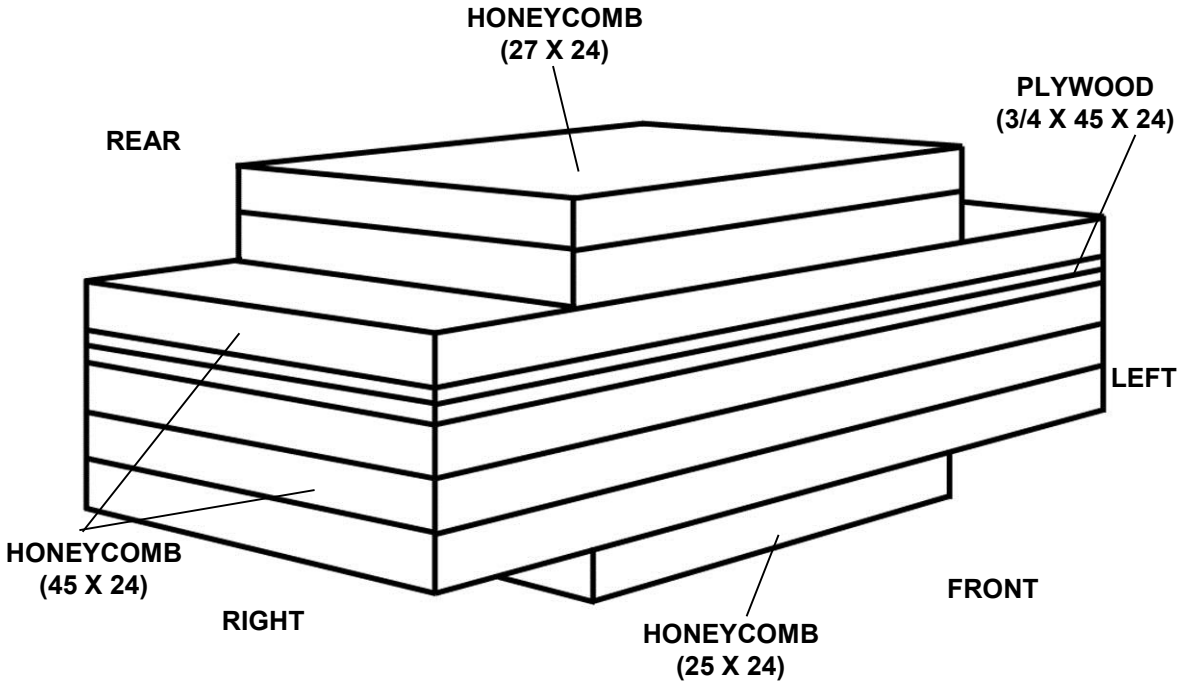
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
6	1	25	18	Honeycomb	Place honeycomb as the base.
	3	45	18	Honeycomb	Center honeycomb on top of the base.
	2	45	18	¾-inch plywood	Place plywood on top of the 45- by 18-inch honeycomb.
	1	45	18	Honeycomb	Place honeycomb on top of the plywood.
	4	9	18	Honeycomb	Place two pieces of honeycomb on each side of the 45- by 18-inch honeycomb even with the 18-inch edge.

Figure 3-8. Honeycomb stack 6 prepared

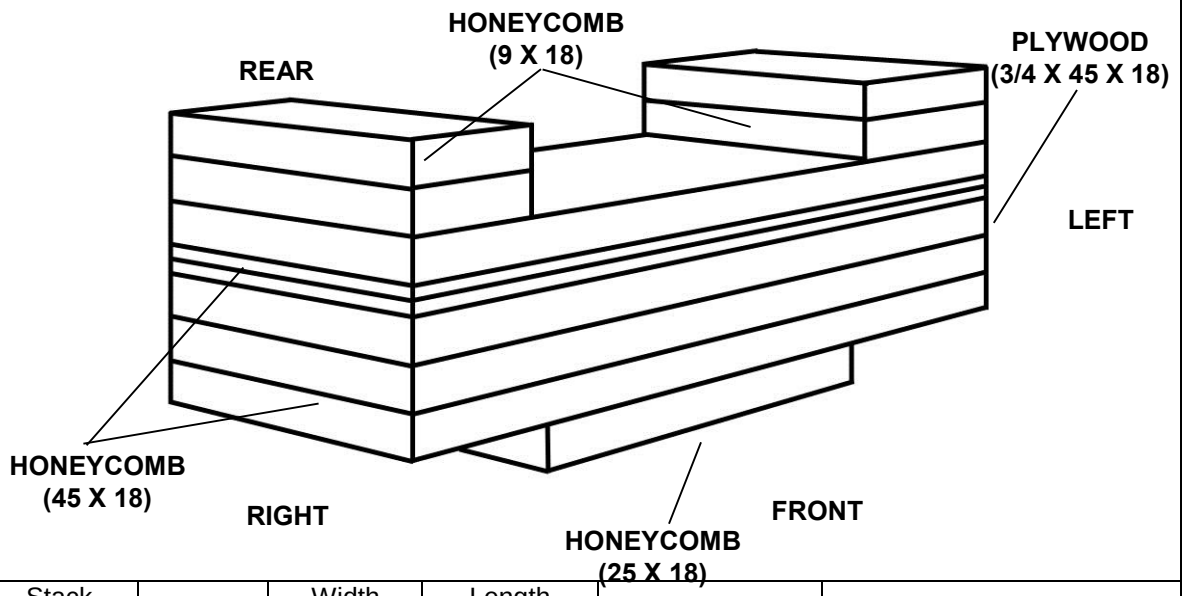
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
7	1	25	24	Honeycomb	Place honeycomb as the base.
	3	45	24	Honeycomb	Center honeycomb on top of the base.
	2	45	24	¾-inch plywood	Place plywood on top of the 45- by 24-inch honeycomb.
	1	45	24	Honeycomb	Place honeycomb on top of the plywood.
	2	27	24	Honeycomb	Center honeycomb on top of the 45- by 24-inch honeycomb.

Figure 3-9. Honeycomb stack 7 prepared

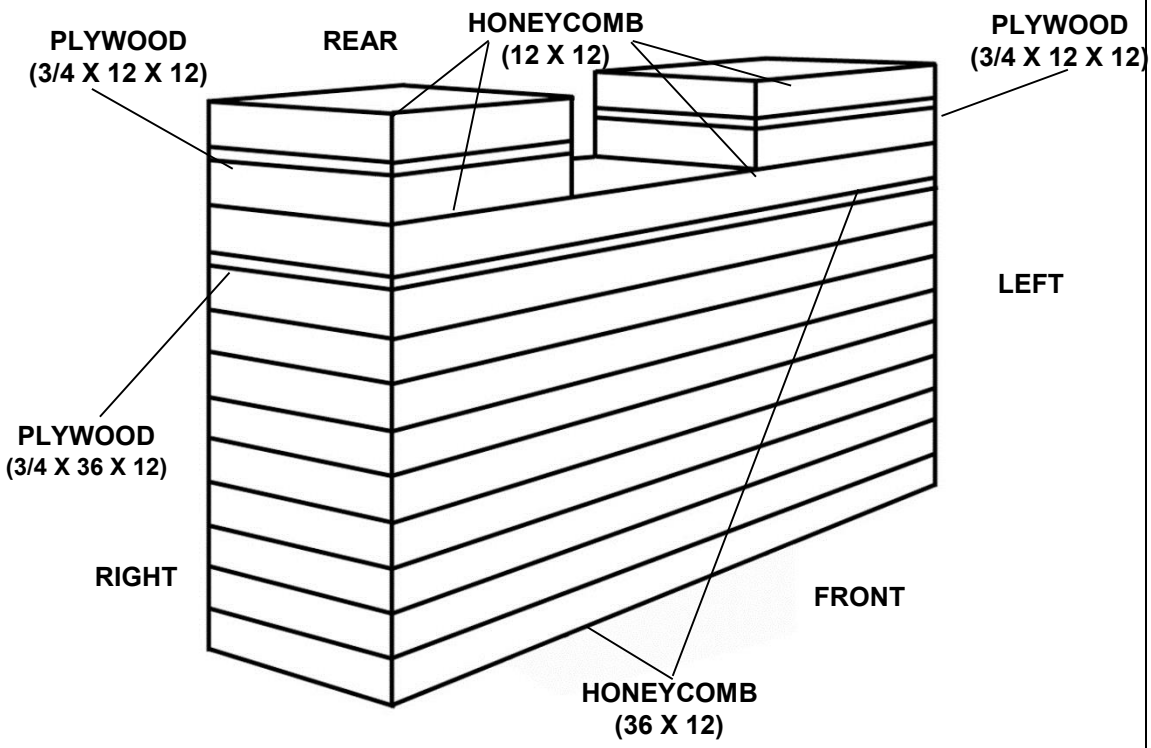
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
8	1	25	18	Honeycomb	Place honeycomb as the base.
	3	45	18	Honeycomb	Center honeycomb on top of the base.
	2	45	18	¾-inch plywood	Place plywood on top of the 45- by 18-inch honeycomb.
	1	45	18	Honeycomb	Place honeycomb on top of the plywood.
	4	9	18	Honeycomb	Place two pieces of honeycomb on each side of the 45- by 18-inch honeycomb even with the 18-inch edge.

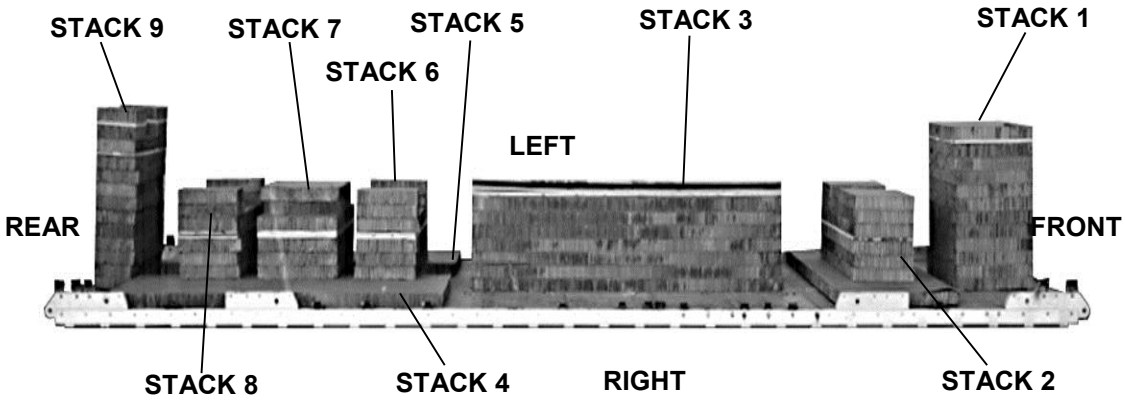
Figure 3-10. Honeycomb stack 8 prepared

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Materials	Instructions
9	10	36	12	Honeycomb	Place honeycomb as the base.
	1	36	12	¾-inch plywood	Place plywood on top of the base.
	1	36	12	Honeycomb	Place honeycomb on top of the plywood.
	2	12	12	Honeycomb	Place one piece of honeycomb on each side of the 36- by 12-inch edge.
	2	12	12	¾-inch plywood	Place one piece of plywood on top of each piece of the 12- by 12-inch honeycomb.
	2	12	12	Honeycomb	Place one piece of honeycomb on top of each piece of plywood.

Figure 3-11. Honeycomb stack 9 prepared



Stack Number	Position of Stack on Platform
	Place stack:
1	Centered flush with the front edge of the platform.
2	Centered 7 inches from the rear of stack 1.
3	Centered 11 inches from the rear of stack 2.
4	4 inches from the right side rail, 7 inches from the rear of stack 3.
5	4 inches from the left side rail, 7 inches from the rear of stack 3.
6	Between stacks 4 and 5, 17 inches from the rear of stack 3.
7	Between stacks 4 and 5, 6 inches from the rear of stack 6.
8	Between stacks 4 and 5, 6 inches from the rear of stack 7.
9	Centered flush with the rear edge of the platform.

Figure 3-12. Honeycomb stacks positioned on platform

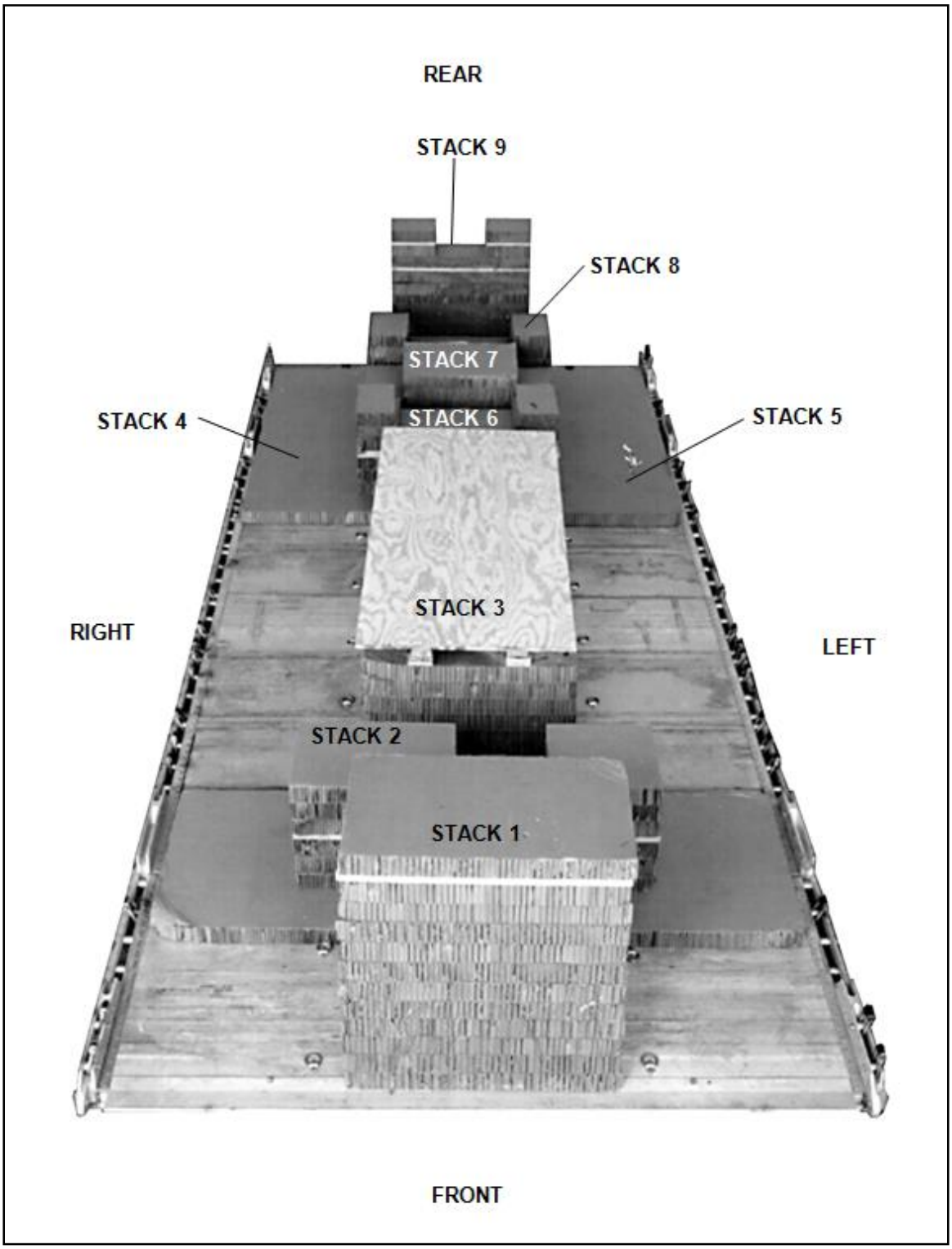


Figure 3-13. Front view of honeycomb stacks positioned on platform

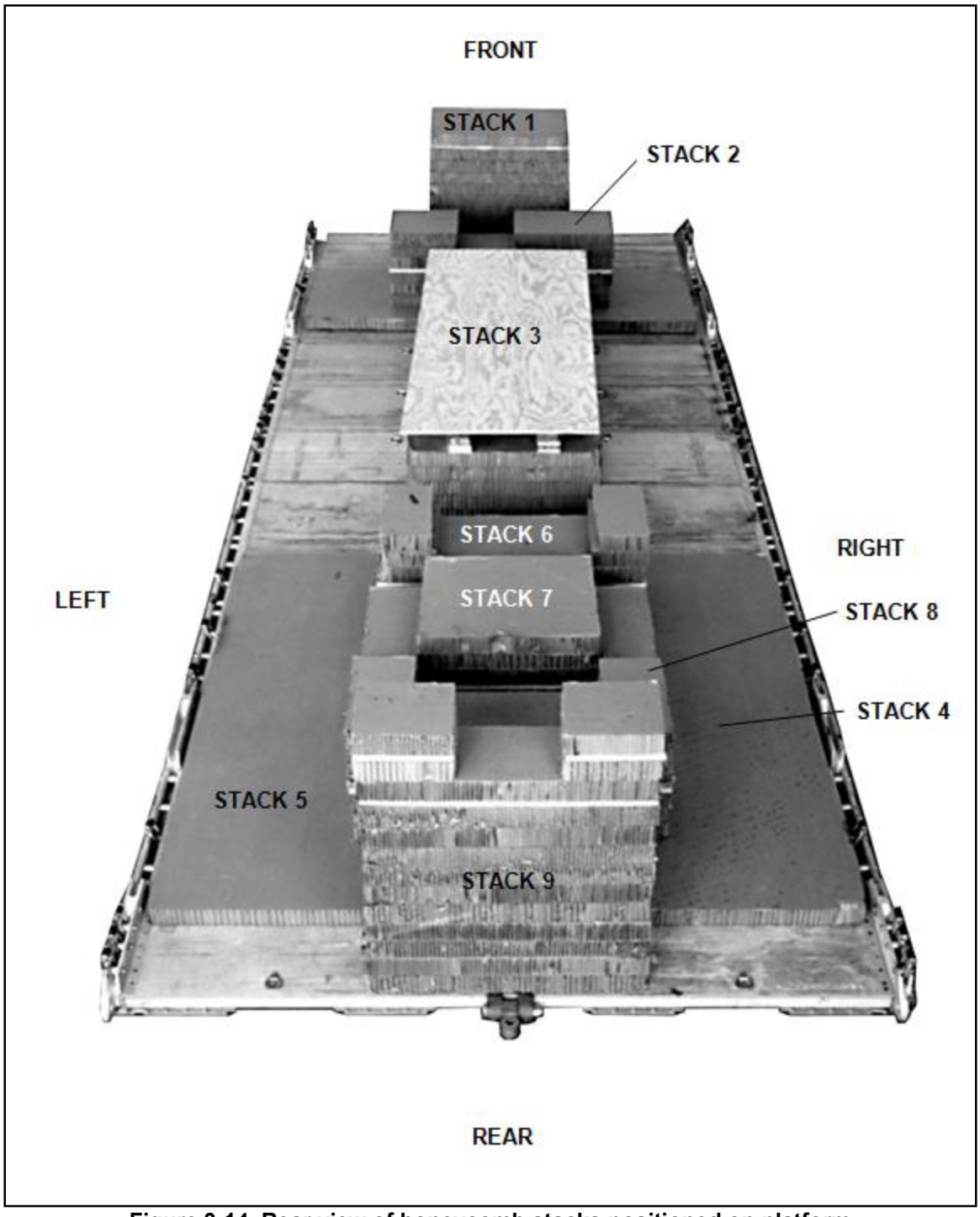


Figure 3-14. Rear view of honeycomb stacks positioned on platform

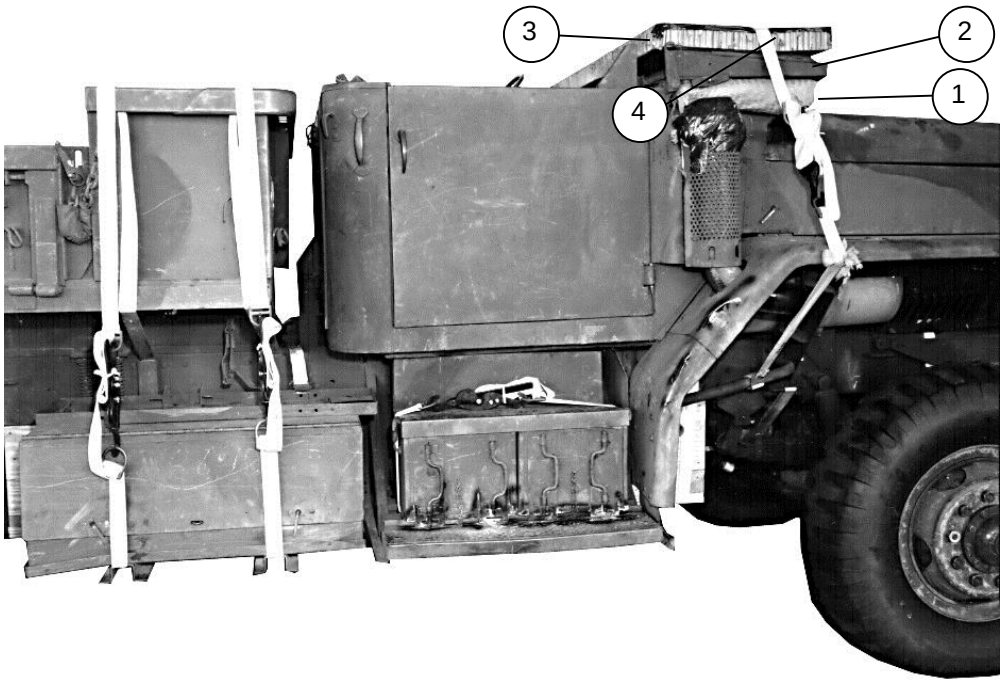
REMOVING TRUCK COMPONENTS

3-4. Remove the cab top cover, cab top frame, cargo body cover, mirror assemblies, exhaust stack, spare wheel assembly, side rack troop seats, body side racks, and bow and stack assemblies according to TM 9-2320-260-10 and TM 9-2320-260-20.

PREPARING TRUCK

3-5. Prepare the truck as shown in Figure 3-15 on the following pages and as described below.

- Make sure the fuel tank is not more than ½ full.
- Make sure the fire extinguisher is charged and the safety pin is secure. Pad the fire extinguisher, and secure it to the vehicle.
- Fill the toolbox and the tool stowage box with scrap honeycomb or cellulose wadding.
- Place the pioneer tools in their links, and fasten the retaining straps. Tie the tools in place with type III nylon cord.



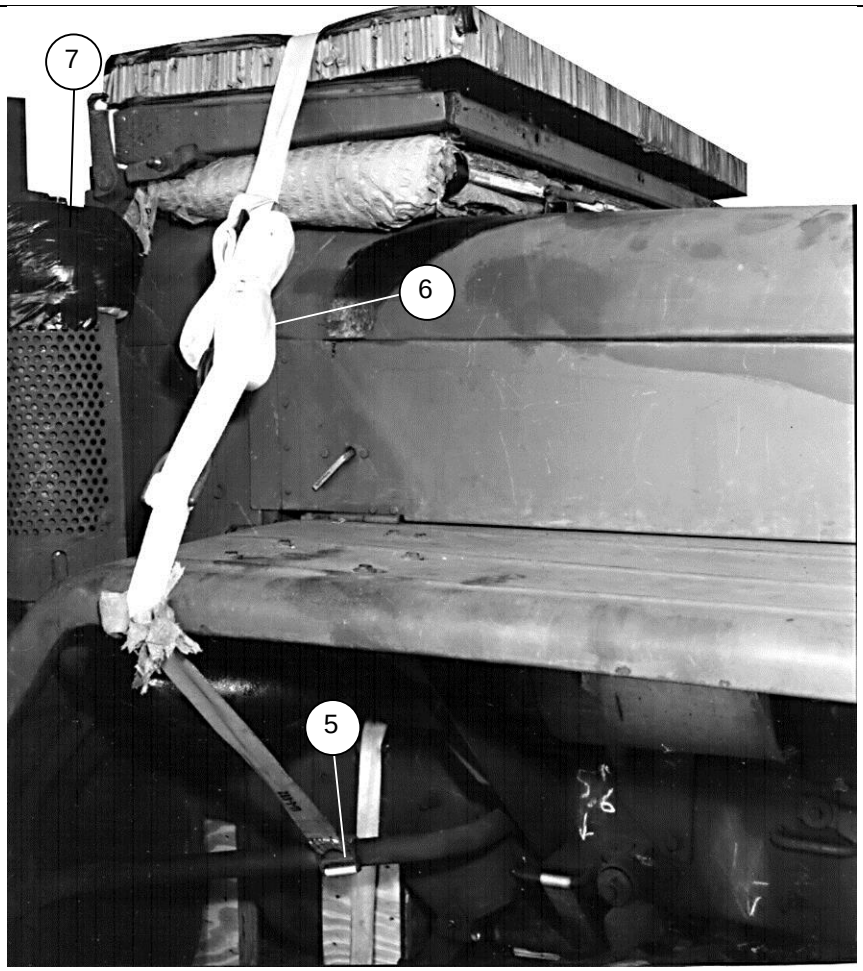
① Wrap a ¾-by18- by 60-inch piece of plywood in cellulose wadding and tape the wadding in place. Place the plywood on the hood of the truck.

② Fold the windshield down on the plywood.

③ Place a 24-by 60-inch piece of honeycomb on top of the windshield. Tape the edges of honeycomb with tape.

④ Pass the end of a 15-foot tiedown strap around the left front fender brace and through its own D-ring. Pull the free end tight, and lay the strap across the honeycomb.

Figure 3-15. Truck prepared



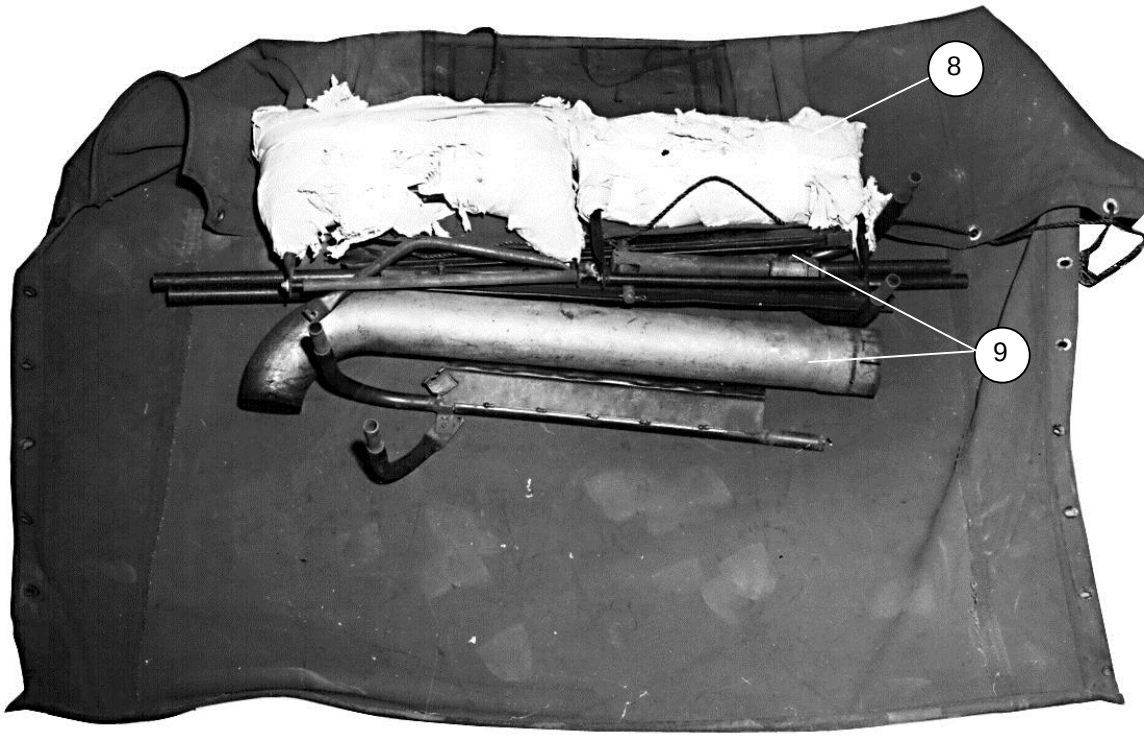
⑤ Pass the end of a 15-foot tiedown strap around the right front fender brace and through its own D-ring. Pull the free end of the strap tight.

⑥ Secure the ends of the two 15-foot tiedown straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑦ Pad the exhaust pipe with cellulose wadding and tape the wadding in place.

Note. Pad the fenders with cellulose wadding where the lashings will touch and tape the wadding place.

Figure 3-15. Truck prepared (continued)

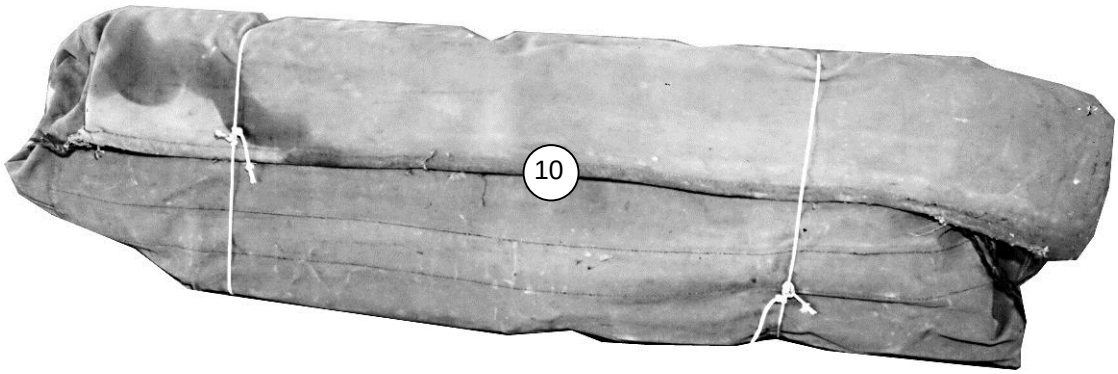


⑧ Wrap the mirror assemblies in cellulose wadding. Tape the wadding in place. Place the mirror assemblies on the cargo body cover.

⑨ Place the cab top frame and the exhaust stack on the cab top cover. Pad the sharp edges with cellulose wadding, and tape the wadding in place.

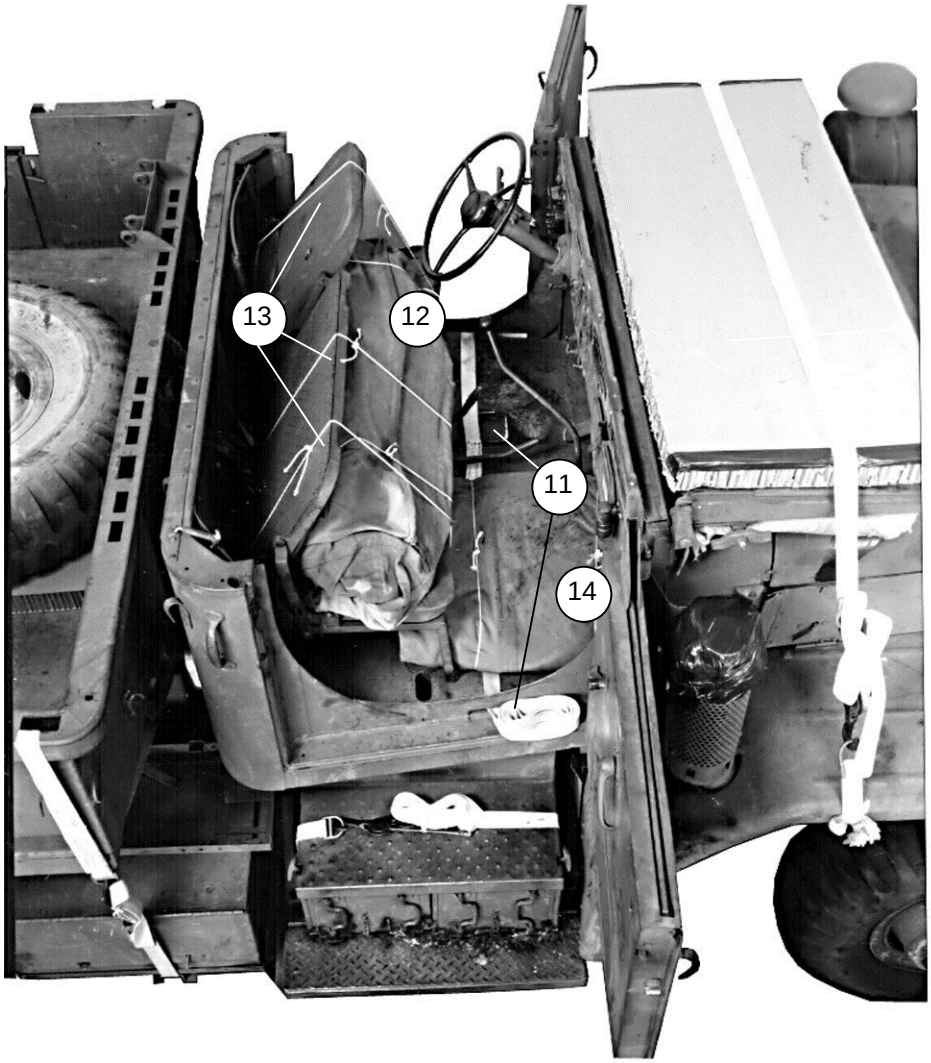
Note. Place other small components on the cargo body cover if needed.

Figure 3-15. Truck prepared (continued)



⑩ Wrap the cargo body cover over the items placed on it. Tie the cover in place with type III nylon cord.

Figure 3-15. Truck prepared (continued)



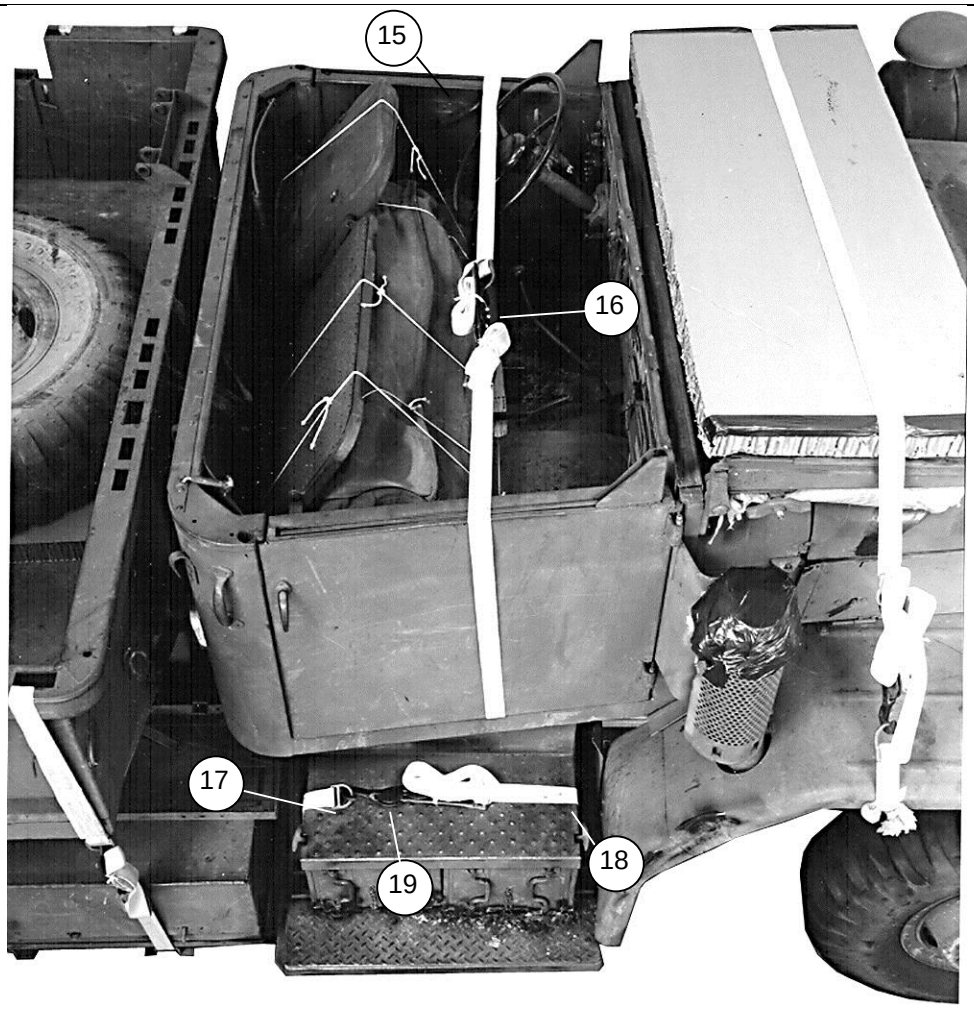
⑪ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the strap across the cab floor and pass the ends of the strap through the slots in the door frame.

⑫ Place the items wrapped in the cargo body cover on the truck seats.

⑬ Fold the back of the seats down against the cargo body cover. Tie the back of the seats against the cover with type III nylon cord.

⑭ Fold the cab top cover and place it on the floor of the cab.

Figure 3-15. Truck prepared (continued)



⑮ Close the truck doors.

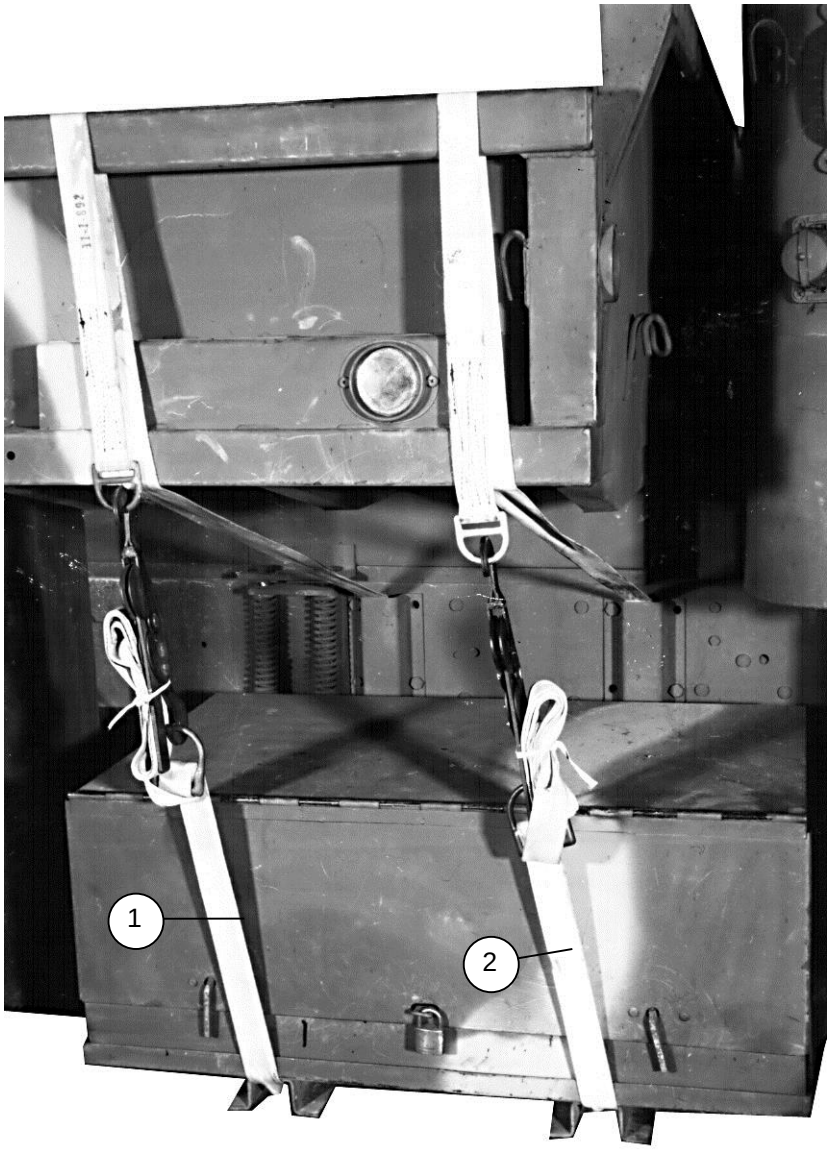
⑯ Pass the ends of the 30-foot tiedown strap (installed in step 11) over the cab doors. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑰ Pass one end of a 15-foot tiedown strap around the rear running board support and back to the top of the battery box.

⑱ Pass the other end of the 15-foot tiedown strap around the front running board support and back to the top of the box.

⑲ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

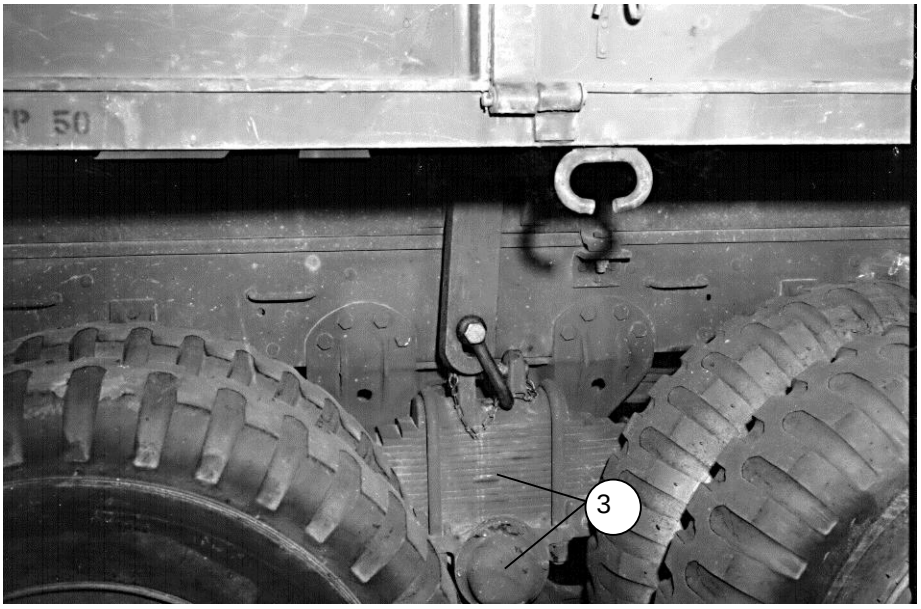
Figure 3-15. Truck prepared (continued)



① Pass the free end of a 15-foot tiedown strap through the first side rack socket, through the front toolbox hanger, and under the toolbox. Secure the ends of the strap according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

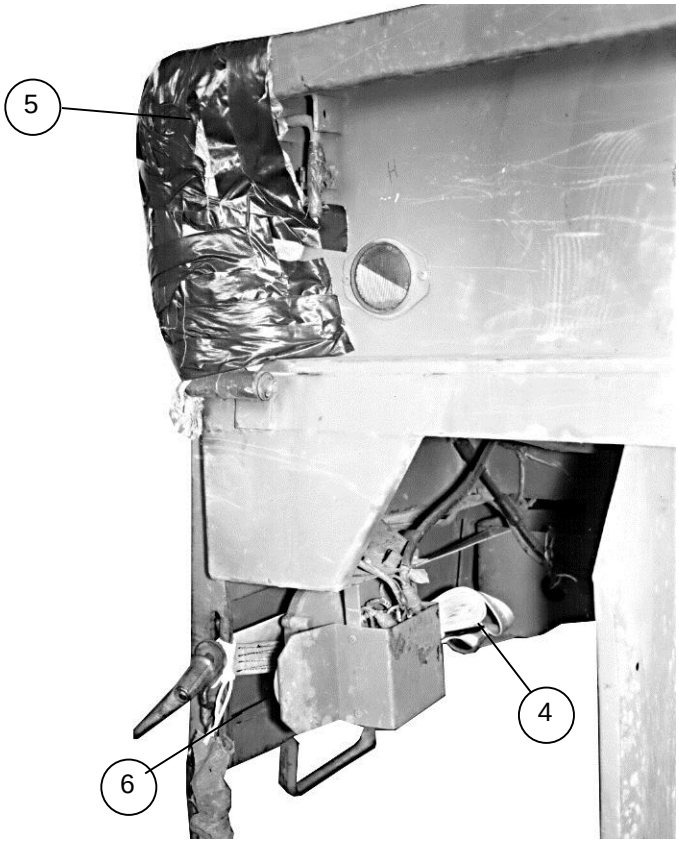
② Pass the free end of a second 15-foot strap through the second side rack socket, through the rear toolbox hanger, and under the toolbox. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-15. Truck prepared (continued)



③ Lower a suspension extension bracket down through one access hole in the body of the truck. Bolt the bracket to the spring saddle with a large suspension clevis. Bolt a second bracket to the spring saddle on the opposite side of the truck in the same manner.

Figure 3-15. Truck prepared (continued)

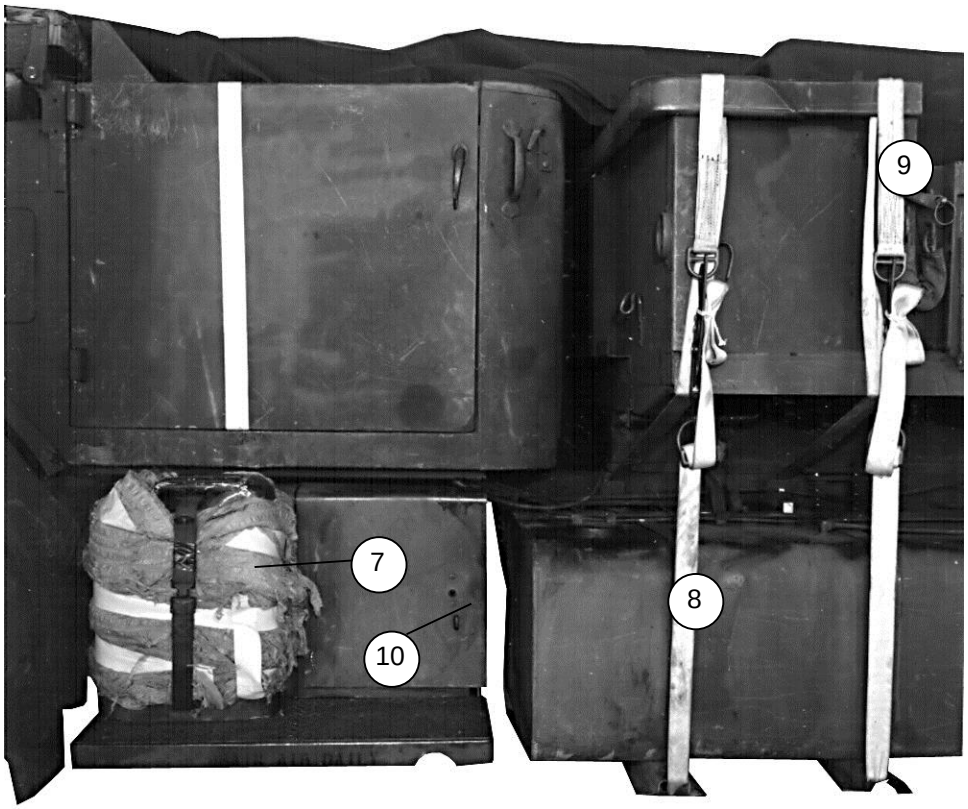


④ Lower the truck tailgate. Run a 15-foot tiedown strap through the tailgate and through the rear tiedown point on each mainframe rail. Secure the D-rings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Pad the side body at each side of the truck with cellulose wadding, and tape the wadding in place.

⑥ Tie the tailgate to the tailgate with lengths of type III nylon cord.

Figure 3-15. Truck prepared (continued)



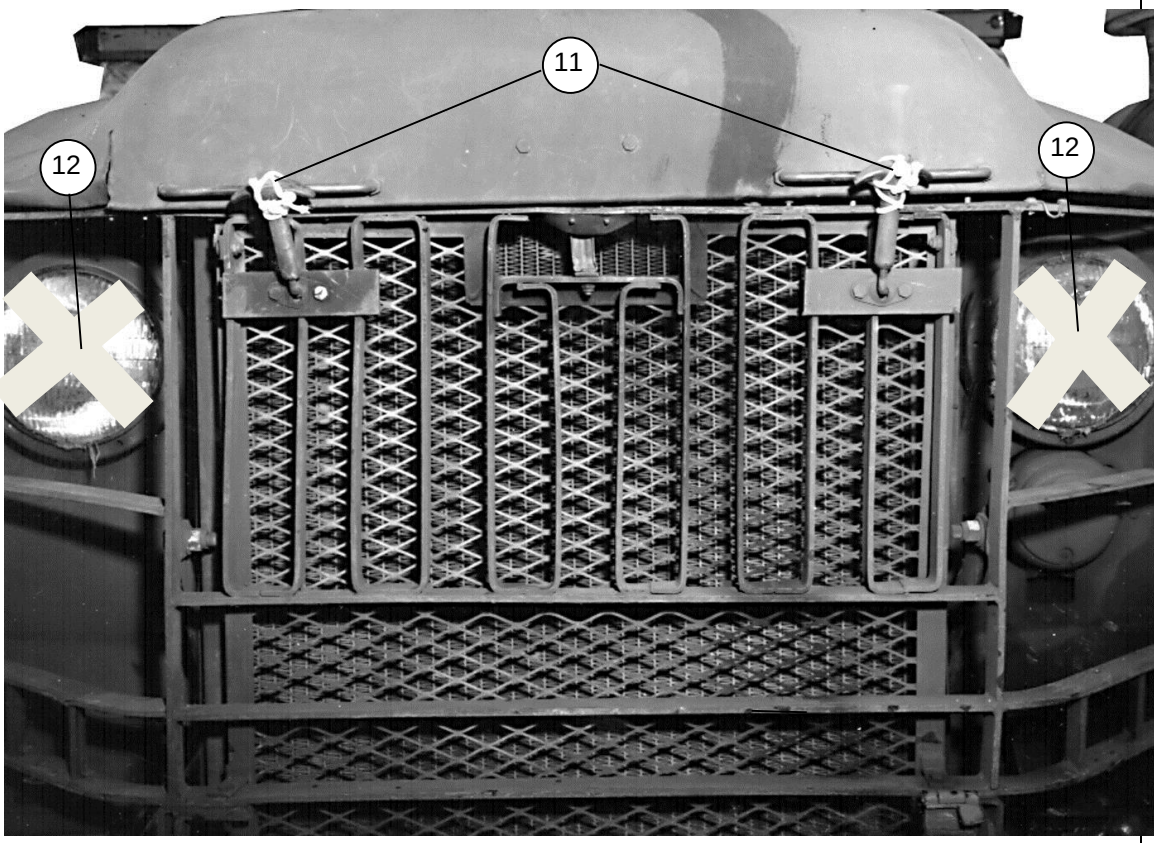
⑦ Pad the fuel can with cellulose wadding, and tape the wadding in place. Place the fuel can in its bracket, and secure it with the retainer strap.

⑧ Pass the free end of a 15-foot tiedown strap through the first side rack socket and through the front fuel tank mount. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑨ Pass the free end of a 15-foot tiedown strap through the second side rack socket and through the rear fuel tank mount. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑩ Pad the on vehicle equipment with cellulose wadding, and place the on vehicle equipment in the tool stowage box. Tie the door of the box closed with type III nylon cord.

Figure 3-15. Truck prepared (continued)



⑪ Tie the hood closed with type III nylon cord.

⑫ Tape the headlights.

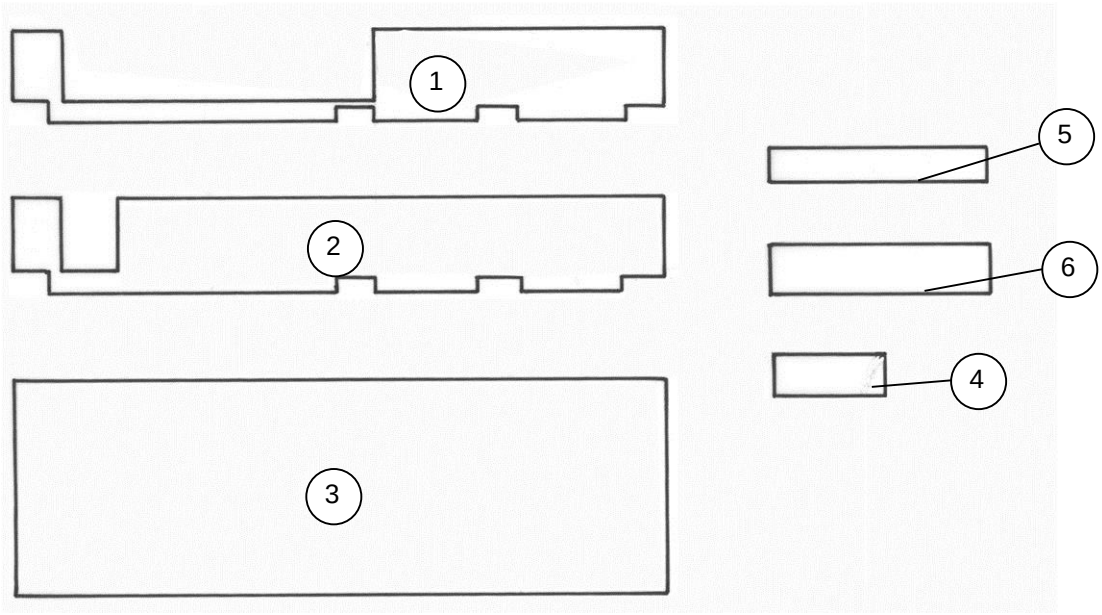
Note. If the truck you are rigging is equipped with a winch, tie the hook to the bumper with type III nylon cord.

Figure 3-15. Truck prepared (continued)

BUILDING FRAME SUPPORT

3-6. Use the material in Figure 3-16 to build the frame support. Build the frame support as shown in Figure 3-17 on page 3-28.

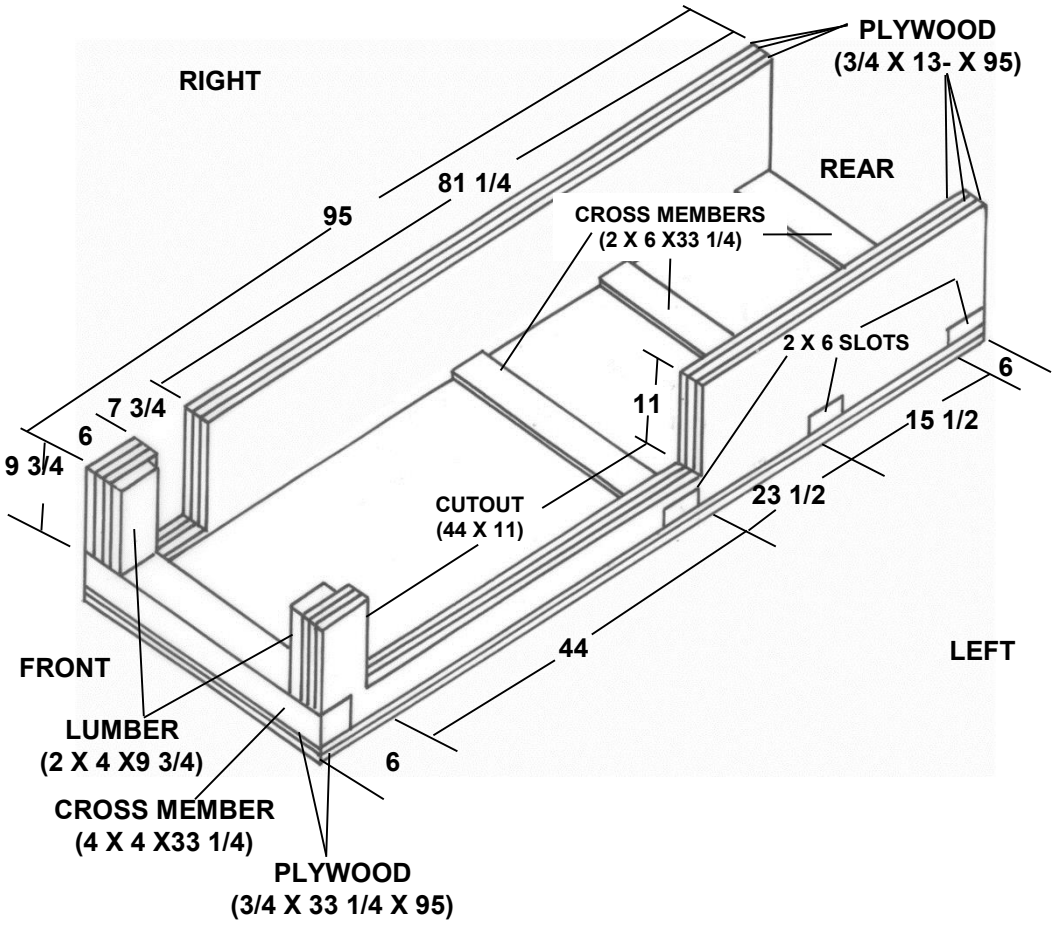
Note. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	Pieces	Width (Inches)	Length (Inches)	Material
1	3	13	95	¾-inch plywood
2	3	13	95	¾-inch plywood
3	2	33 ¾	95	¾-inch plywood
4	2	3 ½ (actual)	9 ¾	2- by 4-inch lumber
5	1	3 ½ (actual)	33 ¼	4- by 4-inch lumber
6	3	6	33 ¼	2- by 6-inch lumber

Figure 3-16. Material required for frame support

Note. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Steps:

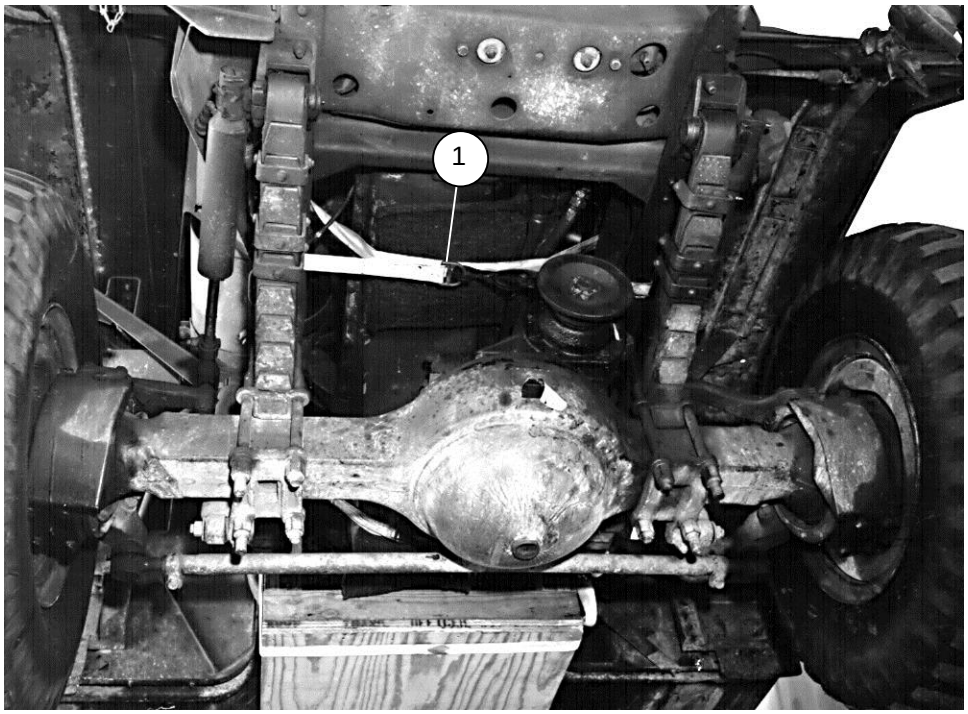
1. Construct the frame support as shown.

2. Secure the plywood and lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 3-17. Frame support constructed

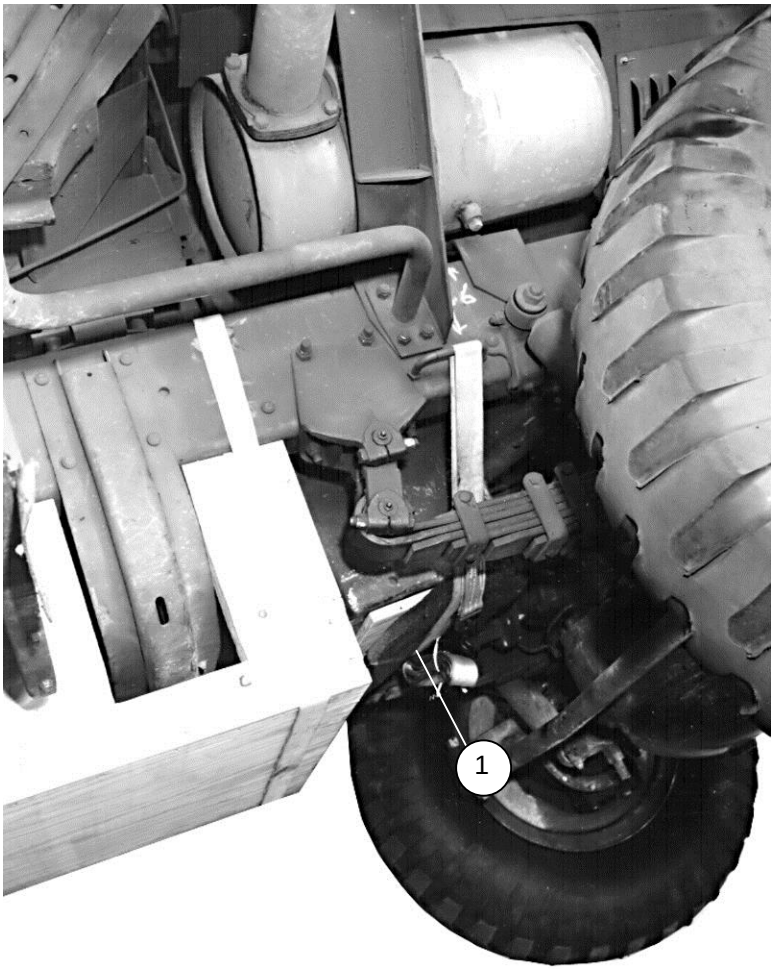
INSTALLING ENGINE SUPPORTS AND FRAME SUPPORT

3-7. Install the engine supports and the frame support as shown in Figures 3-18 and 3-19 on the following pages using three 15-foot tiedown straps and one 30-foot tiedown strap.



① Pass the end of a 15-foot tiedown strap around the right frame rail, under the front part of the oil pan, and around the left frame rail. Place a 12- by 12-inch piece of felt between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-18. Engine supports installed



① Run a 15-foot tiedown strap through tiedown provision 4 on the right frame rail, under rear of the oil pan, and through tiedown provision 4 on the left frame rail. Place a 12- by 12-inch piece of felt and a ¾- by 12-inch piece of plywood between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

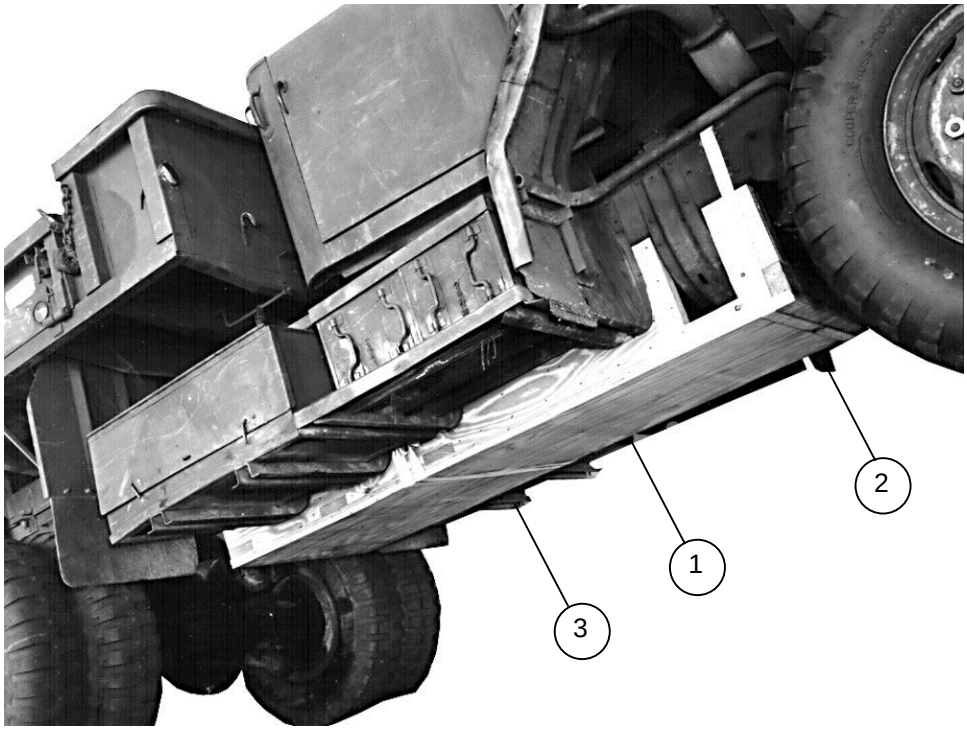
Figure 3-18. Engine supports installed (continued)

Notes. 1. Depending on the make and model of your truck, use a 30-foot tiedown strap and adapt the procedures in 2 below to install the second strap.

2. Position the load binders on the side of the frame support so that the load binders will not touch the honeycomb stack.

CAUTION

Ensure the frame support is not placed on hydraulic lines.



① Position the frame support under the mainframe as shown.

② Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass one end of the strap around one mainframe rail near the front of the frame support. Pass the other end of the strap under the frame support and around the other mainframe rail. Secure the ends of the trap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass the free end of a 15-foot tiedown strap around tiedown provision 6 on one mainframe rail, under the frame support, and around tiedown provision 6 on the other mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

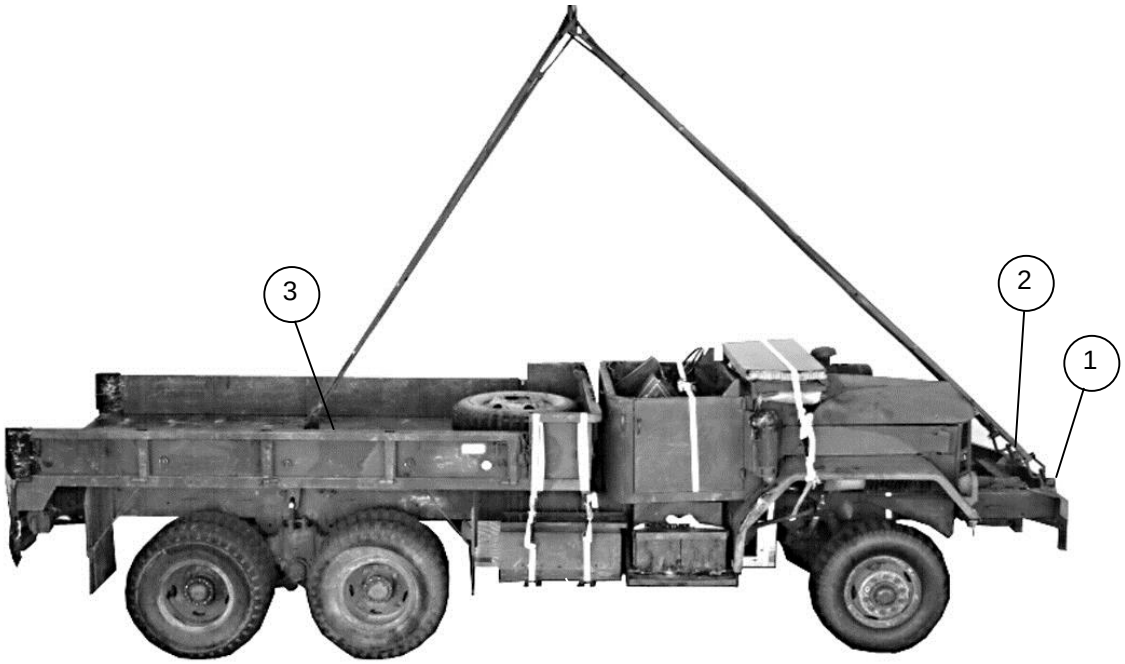
Figure 3-19. Frame support installed

POSITIONING TRUCK

3-8. Position the truck as described below.

- Install two16-foot (4-loop) and two 12-foot (4-loop), type XXVI nylon webbing slings as shown in Figure 3-20.
- Position the truck on the honeycomb stacks as shown in Figure 3-21 on page 3-33.

Notes. 1. Other slings of equal or greater strength may be used to lift the truck.
2. Pad or tape the area where the slings touch the truck to protect the slings.



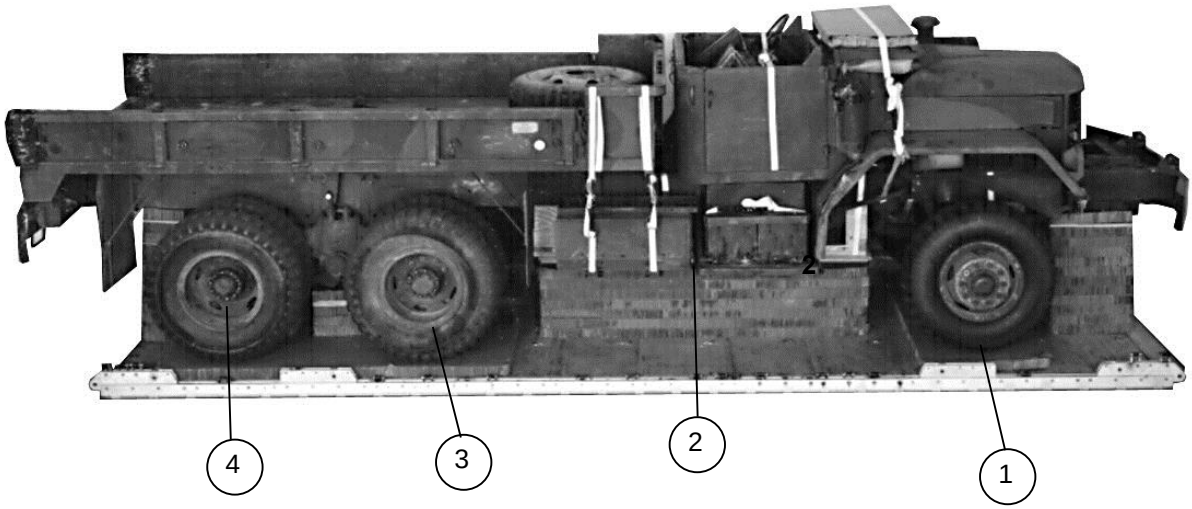
① Place a spacer from a four-point link assembly in one end loop of a 16-foot (4-loop), type XXVI nylon webbing sling. Fit a large suspension clevis on a front lifting shackle, and bolt the end loop with the spacer to the clevis.

② Install another 16-foot (4-loop), type XXVI nylon webbing sling on the other front lifting shackle as described in step 1 above.

③ Fit a large suspension clevis on each year suspension bracket. Place a spacer from a four-point link assembly in one end loop of two 12-foot (4-loop), type XXVI nylon webbing slings. Bolt the end loop of one sling with the spacer to each large suspension clevis on the rear suspension brackets.

Figure 3-20. Lifting slings installed

Notes. 1. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.
2. The front and rear overhang will vary depending on the make and model of the truck**.**



Lift the truck with lifting slings. Position the truck on the honeycomb stacks with:

① The front axle centered on stack 2.

② The mainframe support centered on stack 3.

③ The front dual axle centered on stack 6.

④ The rear dual axle centered on stack 8.

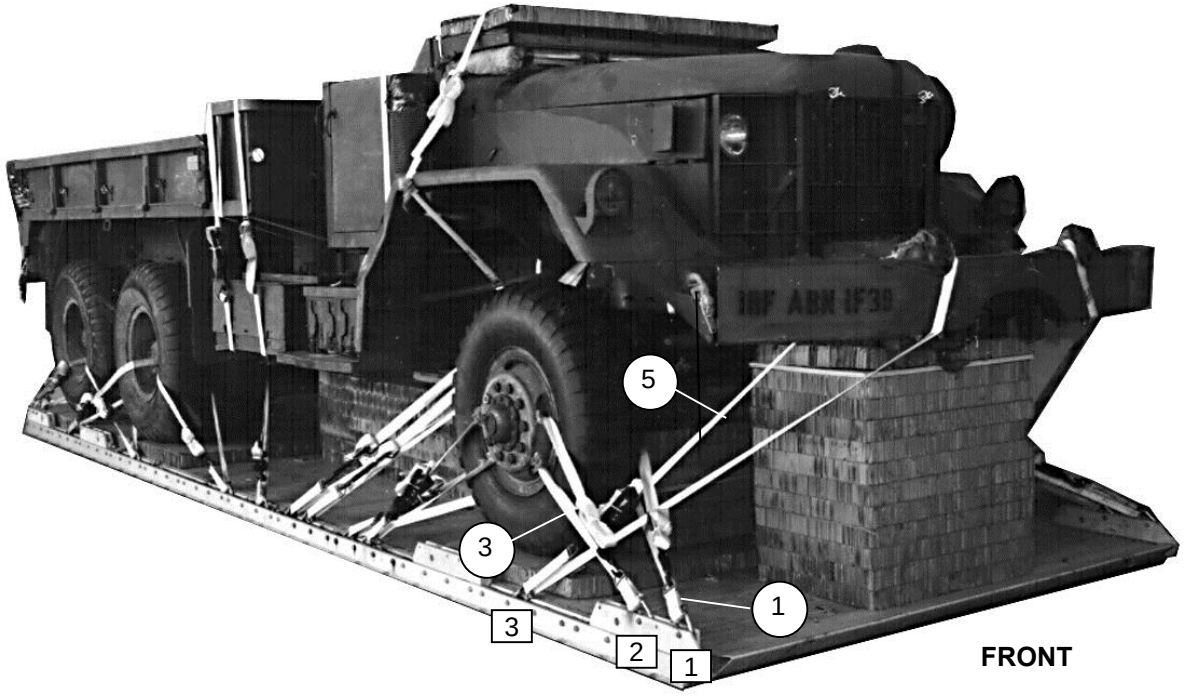
Note. After the truck is positioned, remove the lifting slings.

Figure 3-21. Truck positioned

INSTALLING LASHINGS

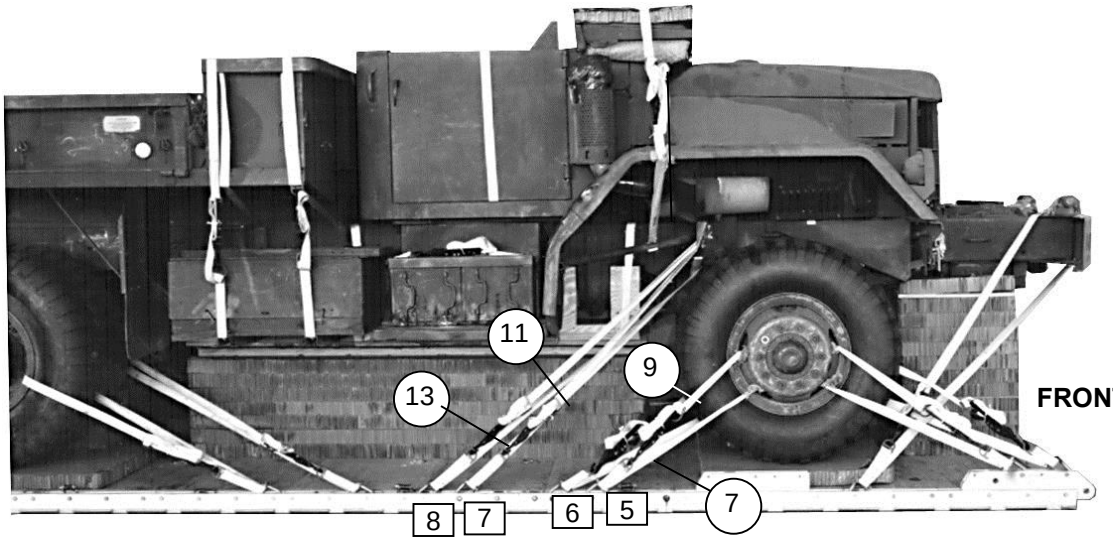
3-9. Lash the truck to the platform using twenty-eight 15-foot tiedown assemblies as shown in figures 3-22 through 3-25 on the following pages. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pad all lashings that are looped through the wheels with cellulose wadding.



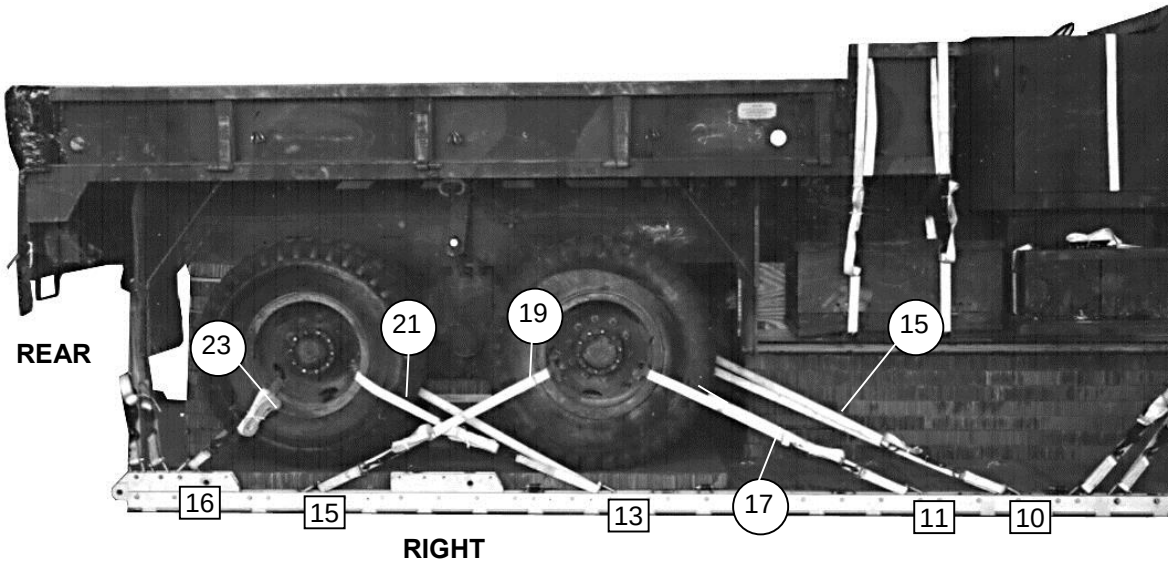
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
1	1	Around the front axle, right side.
2	1A	Around the front axle, left side.
3	2	Through the front wheel, right side.
4	2A	Through the front wheel, left side.
5	3	Around the front bumper, inside the lifting shackle, right side.
6	3A	Around the front bumper, inside the lifting shackle, left side.

Figure 3-22. Lashings 1 through 6 installed



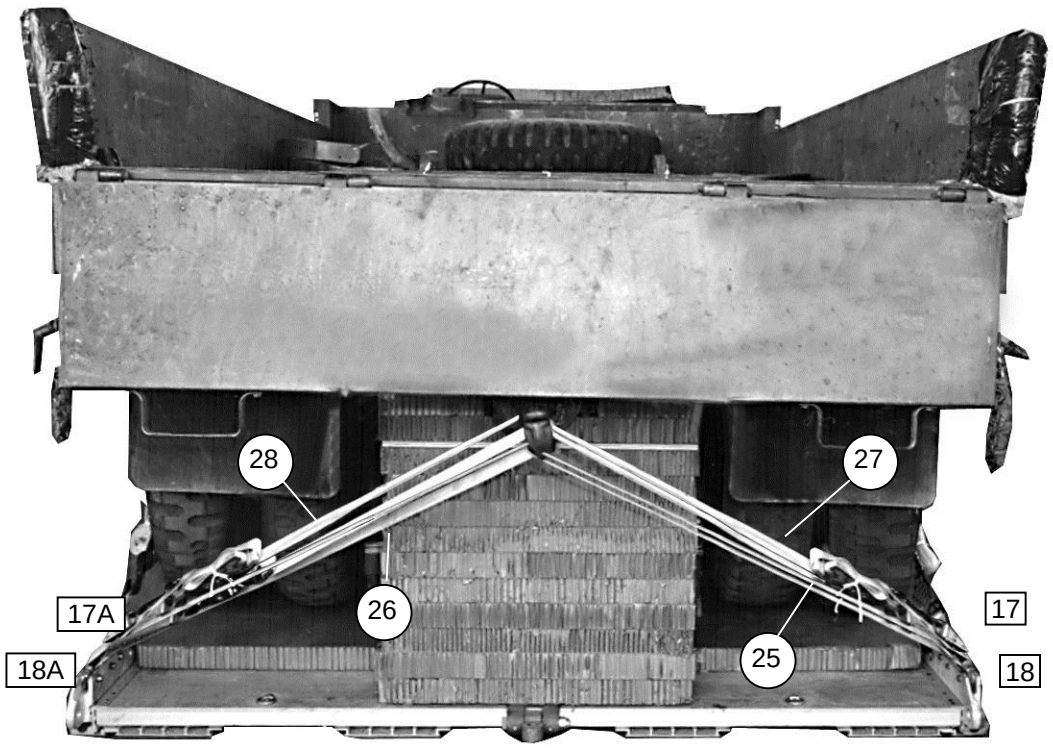
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
7	5	Through the front wheel, right side.
8	5A	Through the front wheel, left side.
9	6	Around the front axle, right side.
10	6A	Around the front axle, left side.
11	7	Around the mainframe in front of the spring bracket, right side.
12	7A	Around the mainframe in front of the spring bracket, left side.
13	8	Around the mainframe in front of the spring bracket, right side.
14	8A	Around the mainframe in front of the spring bracket, left side.

Figure 3-23. Lashings 7 through 14 installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
15	10	Around the front spring bracket of the front dual wheel axle spring, right side.
16	10A	Around the front spring bracket of the front dual wheel axle spring, left side.
17	11	Through the front outside dual wheel, right side.
18	11A	Through the front outside dual wheel, left side.
19	13	Through the rear outside dual wheel, right side.
20	13A	Through the rear outside dual wheel, left side.
21	15	Through the front outside dual wheel, right side.
22	15A	Through the front outside dual wheel, left side.
23	16	Through the rear outside dual wheel, right side.
24	16A	Through the rear outside dual wheel, left side.

Figure 3-24. Lashings 15 through 24 installed



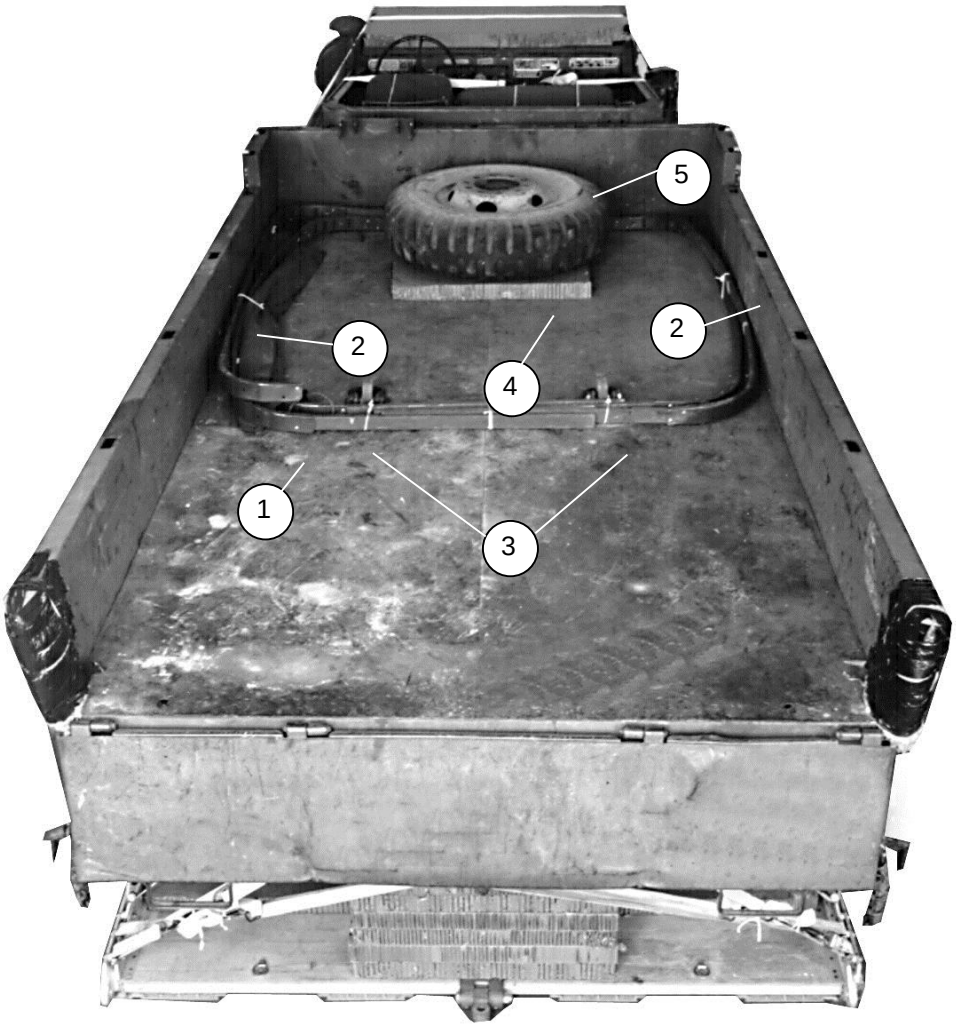
REAR

Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
25	17	Through the towing pintle.
26	17A	Through the towing pintle.
27	18	Through the towing pintle.
28	18A	Through the towing pintle.

Figure 3-25. Lashings 25 through 28 installed

STOWING TRUCK COMPONENTS

3-10. Stow the spare tire, cargo body bows, and the front rack as shown in Figure 3-26.



① Place the cargo body bows and the end curtain on the floor of the cargo body as shown.

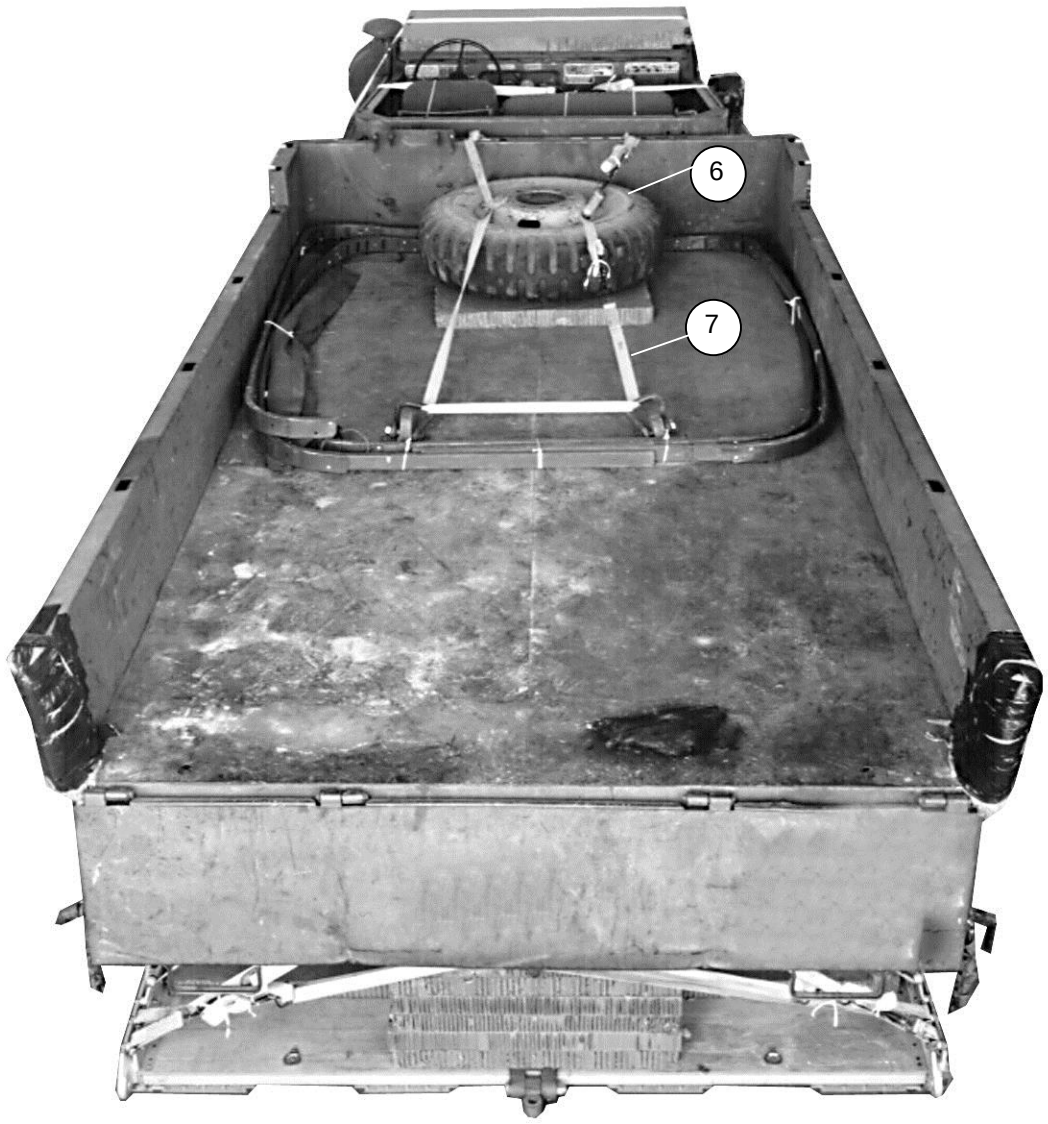
② Tie the items together with type III nylon cord.

③ Tie the cargo body bows to the rear suspension brackets with type III nylon cord.

④ Center a 36- by 36-inch piece of honeycomb on the cargo body floor toward the front of the cargo body and against the cargo body bows.

⑤ Center the spare tire on the 36- by 36-inch honeycomb.

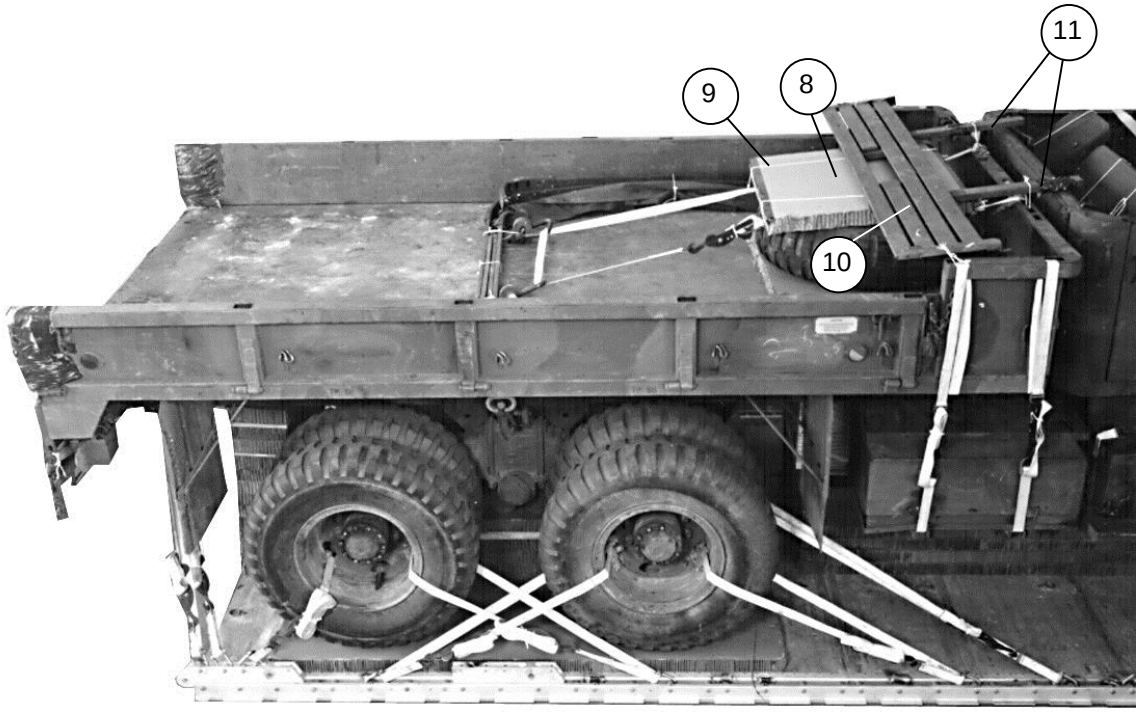
Figure 3-26. Truck component stowed



⑥ Pass the free end of a 15-foot tiedown strap through the spare tire, down through one front rack socket, and up through another front rack socket. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑦ Pass the free end of a 15-foot tiedown strap through the spare tire and through the large clevises attached to the rear suspension brackets. Secure the ends of the strap according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-26. Truck component stowed (continued)



⑧ Center a 36- by 36-inch piece of honeycomb on top of the spare tire.

⑨ Tape the edges of the honeycomb. Tie the honeycomb in place with type III nylon cord.

⑩ Place the front body rack on the 36- by 36-inch piece of honeycomb.

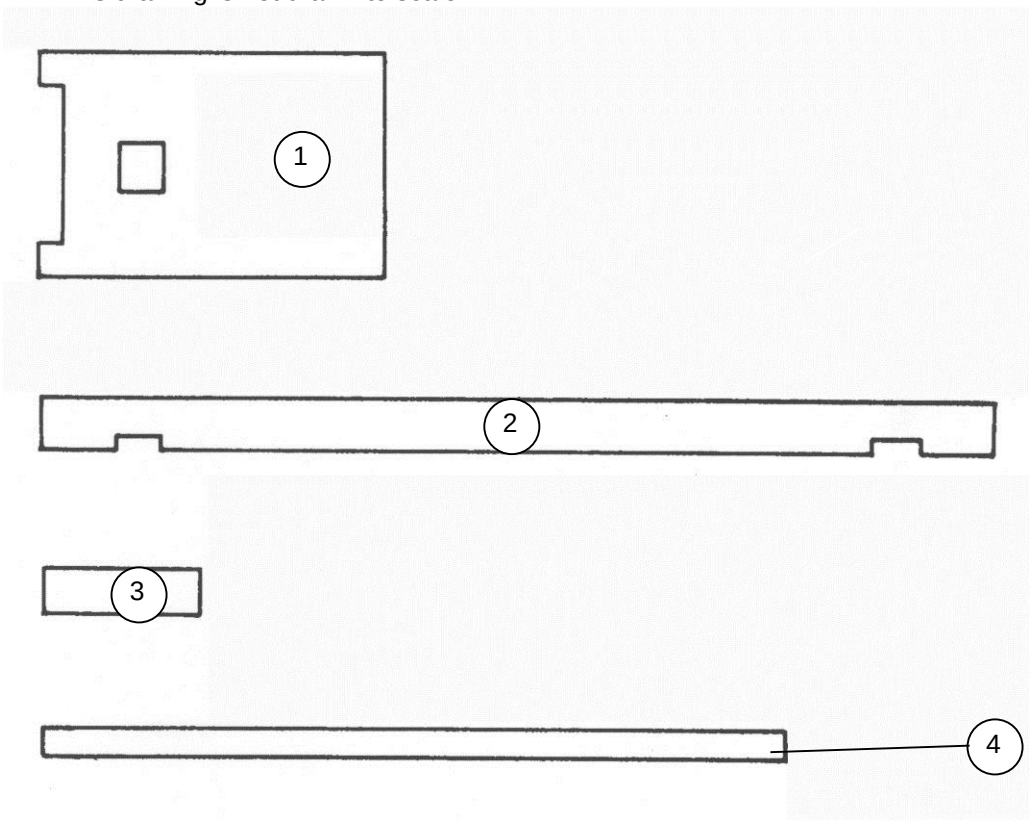
⑪ Tie the front body rack in place with type III nylon cord.

Figure 3-26. Truck component stowed (continued)

CONSTRUCTING AND INSTALLING REAR SUSPENSION SLING SPREADER

3-11. Use the material in Figure 3-27 to build the rear suspension sling spreader. Build the rear suspension sling spreader as shown in Figure 3-28 on page 3-42. Install the rear suspension sling spreader as shown in Figure 3-29 on page 3-43.

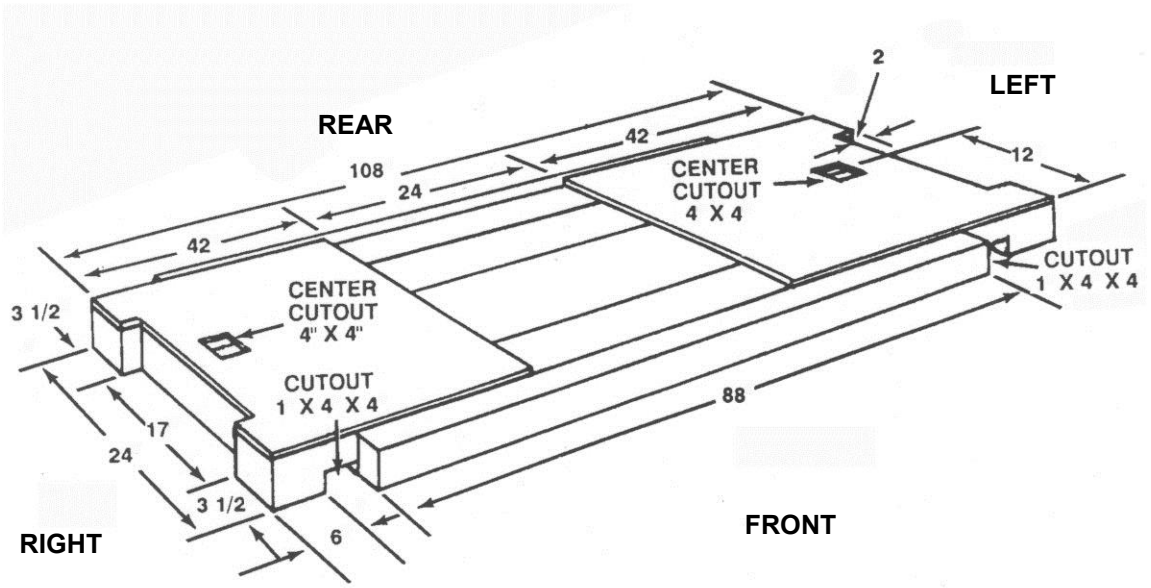
Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	24	42	¾-inch plywood
2	2	4	108	4- by 4-inch lumber
3	2	4	17	4- by 4-inch lumber
4	2	2	88	2- by 4-inch lumber

Figure 3-27. Material required for the rear suspension sling spreader

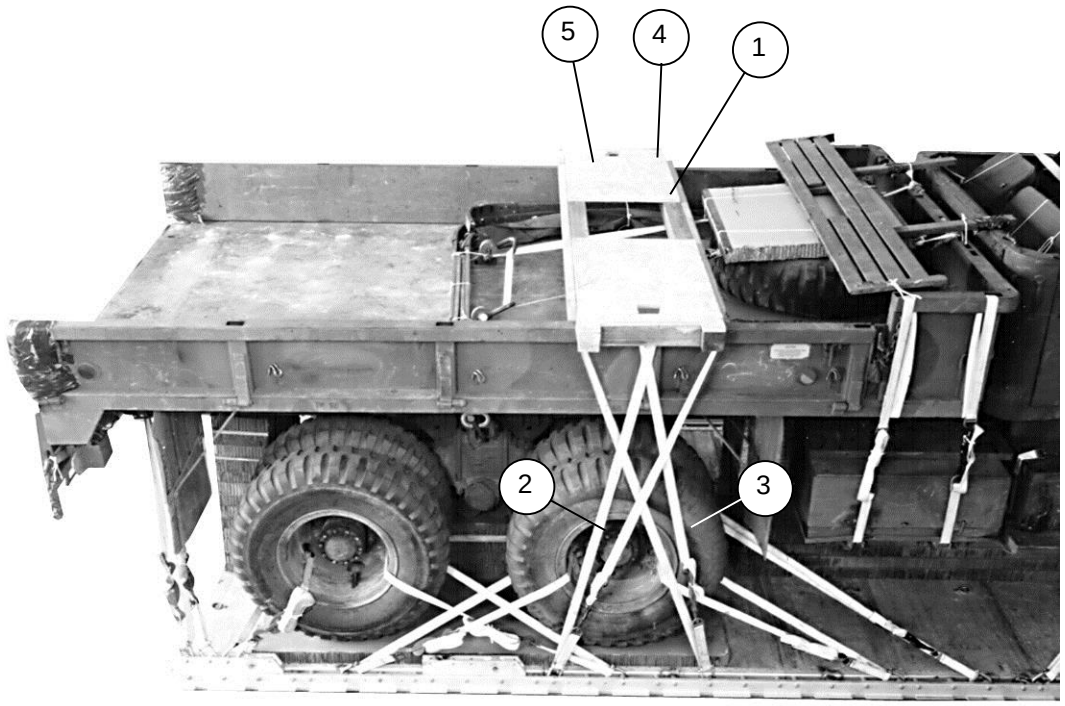
Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**



Steps:

1. Construct a rear suspension sling spreader as shown.
2. Secure the plywood and lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 3-28. Rear sling spreader constructed



① Place the rear suspension sling spreader across the body of the truck over the front dual wheels.

② Pass the free end of a 15-foot tiedown strap through clevis 14, through the 4-inch cutout, and over the front edge of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass the free end of a 15-foot tiedown strap through clevis 12, through the 4-inch cutout, and over the rear edge of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

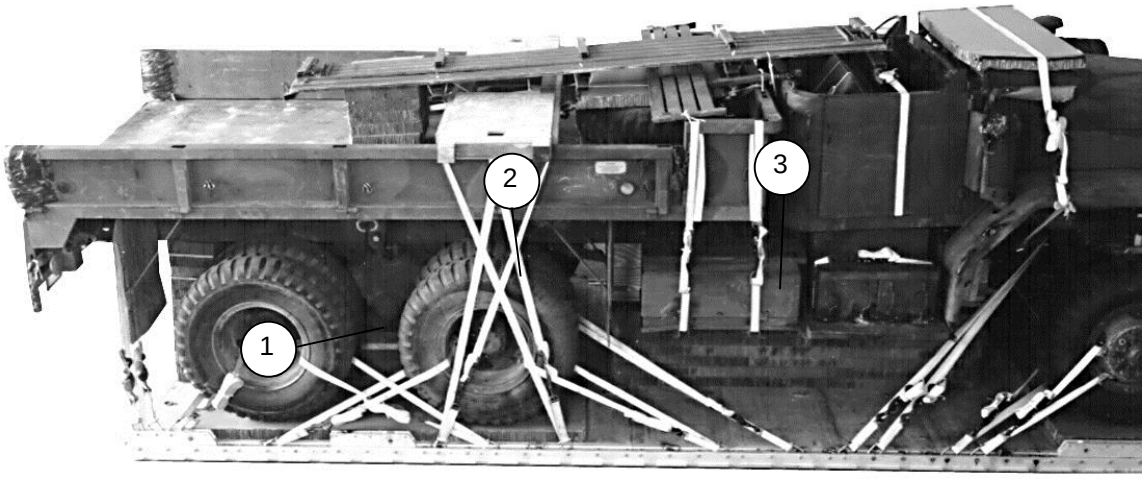
④ Install a 15-foot tiedown strap on the left front of the sling spreader using clevis 14A and adapting the procedures in step 2 above.

⑤ Install a 15-foot tiedown strap on the left rear of the sling spreader using clevis 12A and adapting the procedures in step 3 above.

Figure 3-29. Rear suspension sling spreader installed

STOWING BODY SIDE RACKS

3-12. Stow the body side racks as shown in Figure 3-30.



① Build a honeycomb stack using six 18- by 18-inch pieces of honeycomb. Center the honeycomb stack in the body of the truck 8 inches to the rear of the suspension sling spreader.

② Center the body side racks on the 18- by 18-inch honeycomb stack and the truck cab. Make sure the ends of the body side racks are slightly to the rear of the steering wheel.

③ Tie the body side racks in place with type III nylon cord.

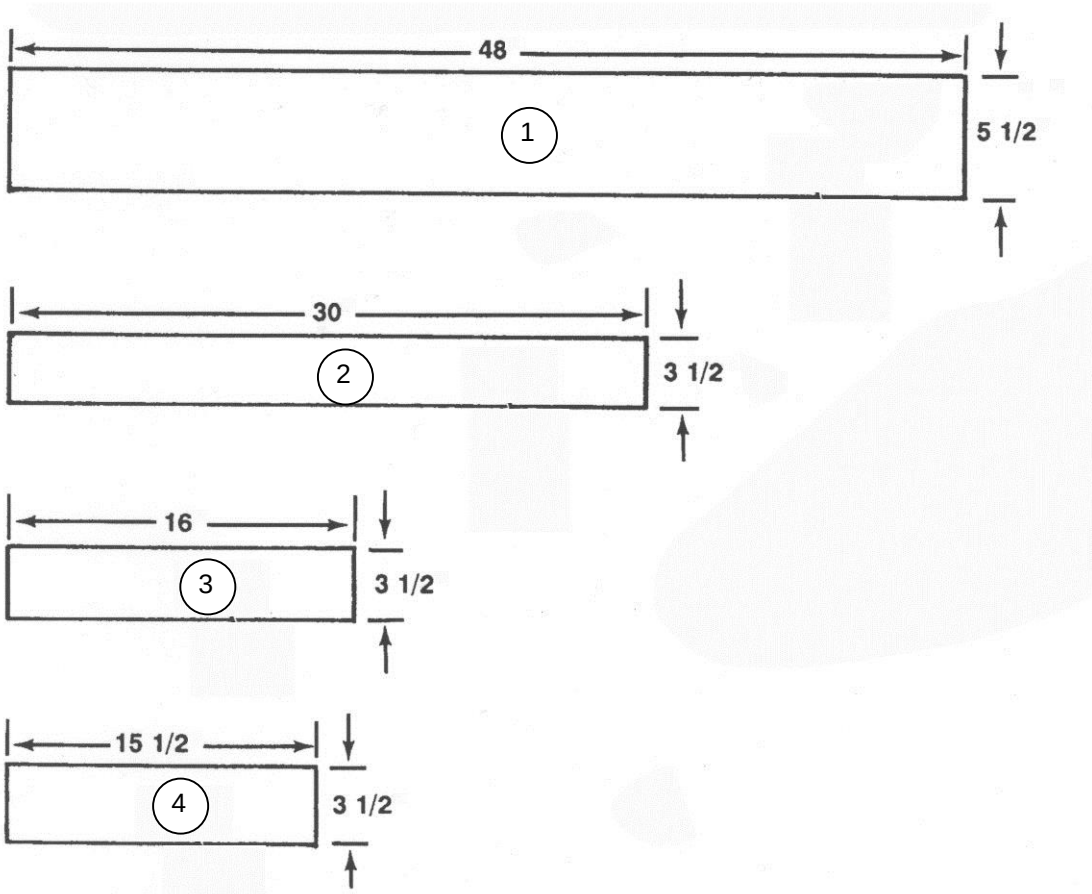
Figure 3-30. Body side racks stowed

CONSTRUCTING AND INSTALLING FRONT SUSPENSION SLING SPREADERS

3-13. Construct and install the front suspension sling spreaders as described below and shown in figures on the following pages.

- Construct the front suspension sling spreaders as shown in figures 3-31 through 3-34.
- Install the front suspension sling spreaders as shown in Figures 3-35 and 3-36.

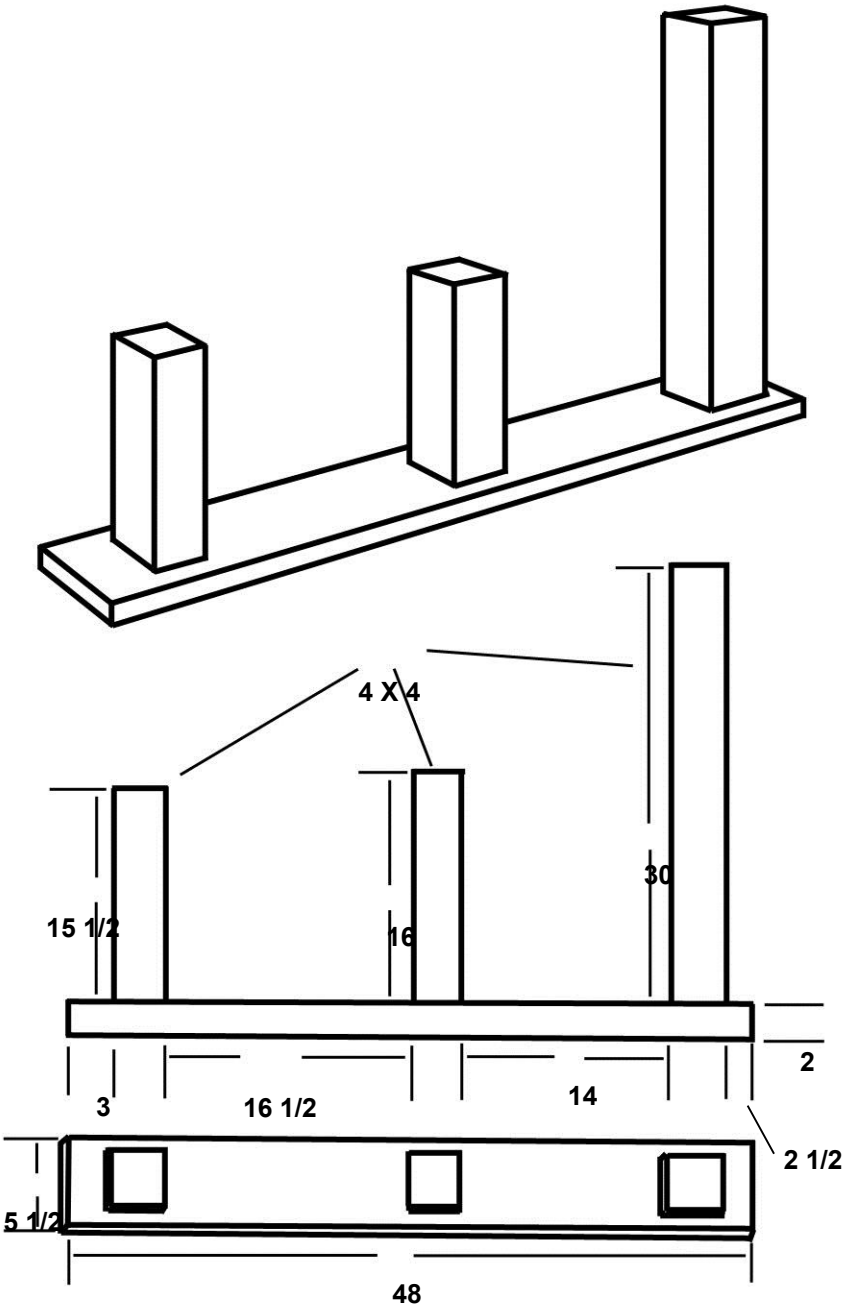
Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**
3. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	5 ½ (actual)	48	2- by 6-inch lumber
2	1	3 ½ (actual)	30	4- by 4-inch lumber
3	1	3 ½ (actual)	16	4- by 4-inch lumber
4	1	3 ½ (actual)	15 1/2	4- by 4-inch lumber

Figure 3-31. Material required for the right front suspension sling spreader

Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**

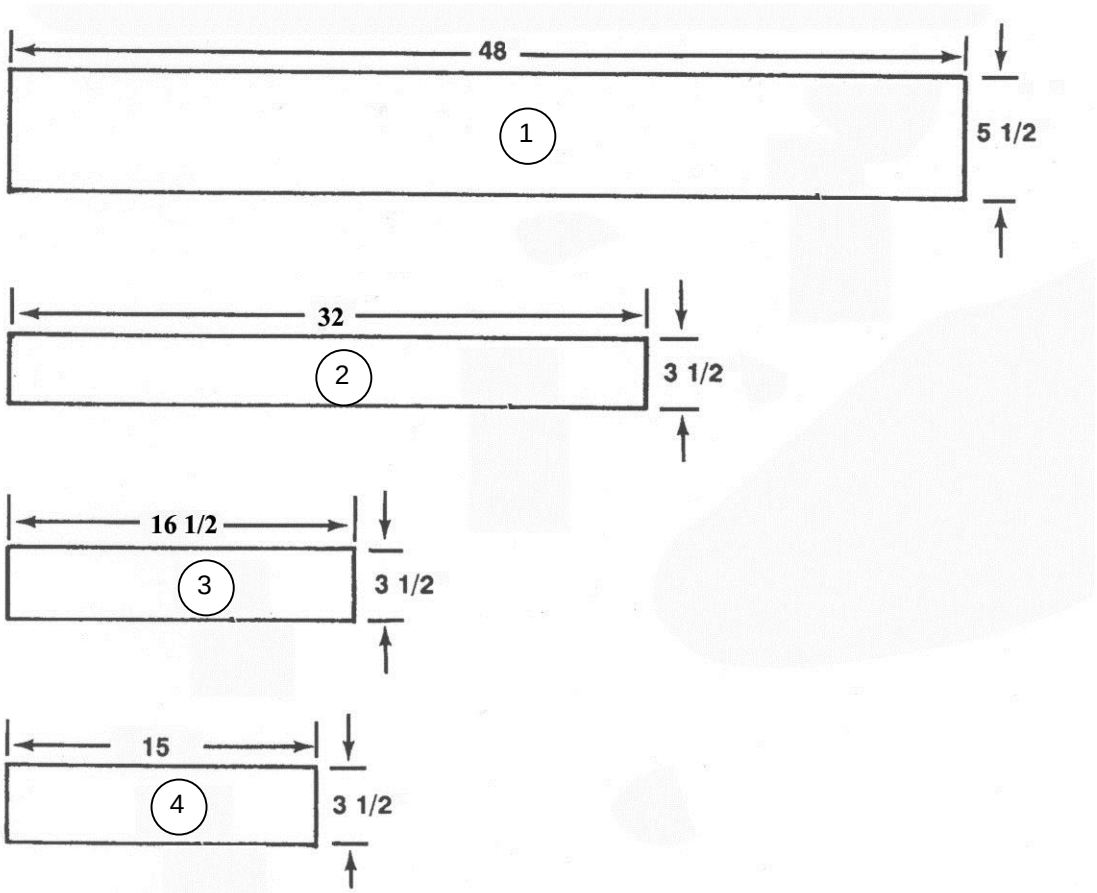


Steps:

1. Construct a right front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen-penny nails.

Figure 3-32. Right Front Suspension Sling Spreader Constructed

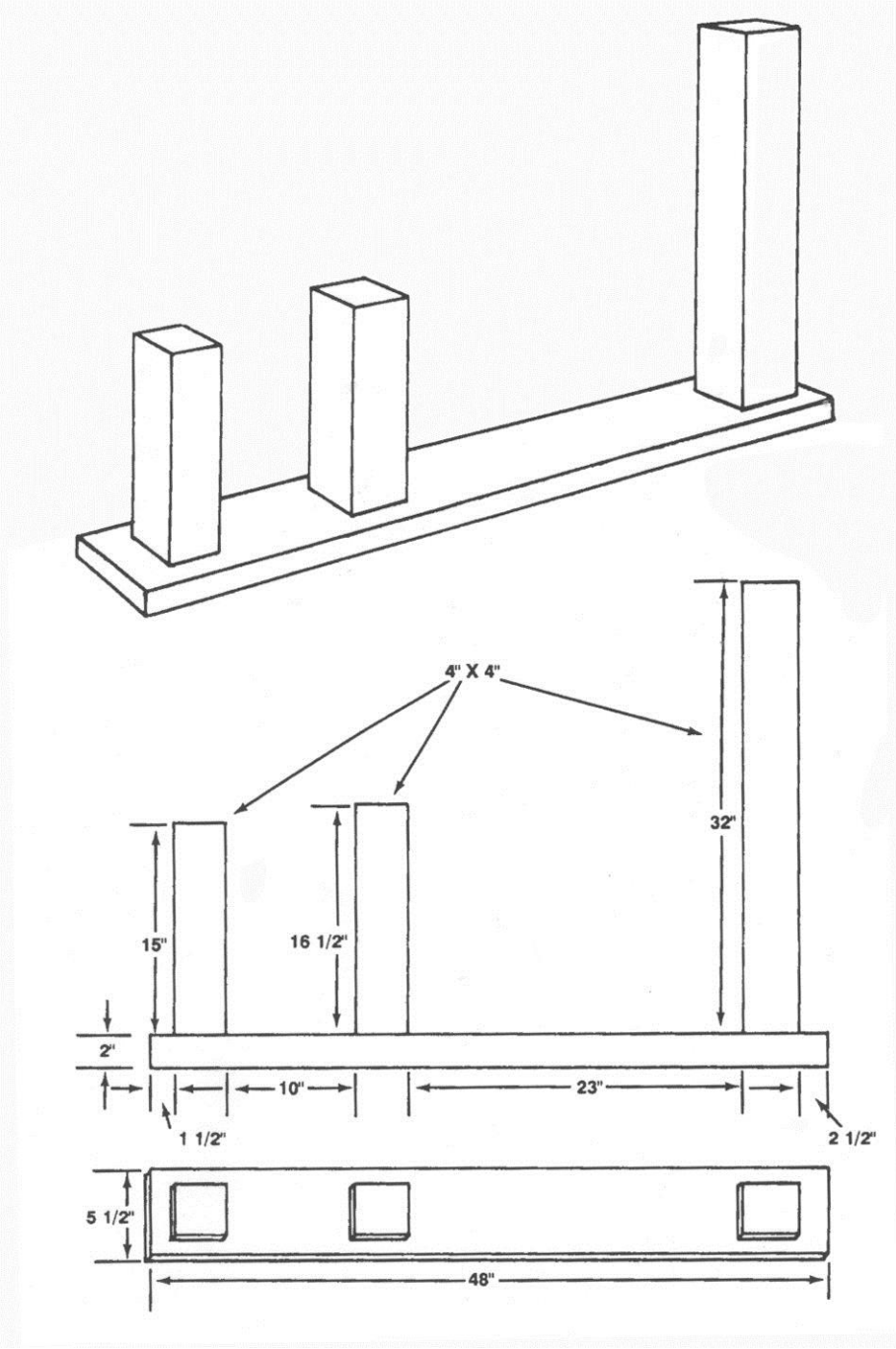
Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**
3. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	5 ½ (actual)	48	2- by 6-inch lumber
2	1	3 ½ (actual)	32	4- by 4-inch lumber
3	1	3 ½ (actual)	16 1/2	4- by 4-inch lumber
4	1	3 ½ (actual)	15	4- by 4-inch lumber

Figure 3-33. Material required for the left front suspension sling spreader

Notes. 1. All measurements are given in inches.
2. This drawing is not drawn to scale**.**



Steps:

1. Construct a left front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen-penny nails.

Figure 3-34. Right front suspension sling spreader constructed



① Position the right front suspension sling spreader against the truck as shown.

② Pass the end of a 15-foot tiedown strap around the front end of the 2- by 6- by 48-inch portion of the right suspension sling spreader. Pass the end of the strap around the mainframe rail. Secure the ends of the strap around the mainframe rail. Secure the ends of the strap according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass the end of a 15-foot tiedown strap around the right suspension sling spreader. Pass the end of the strap around the windshield frame support. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-35. Right front suspension sling spreader installed

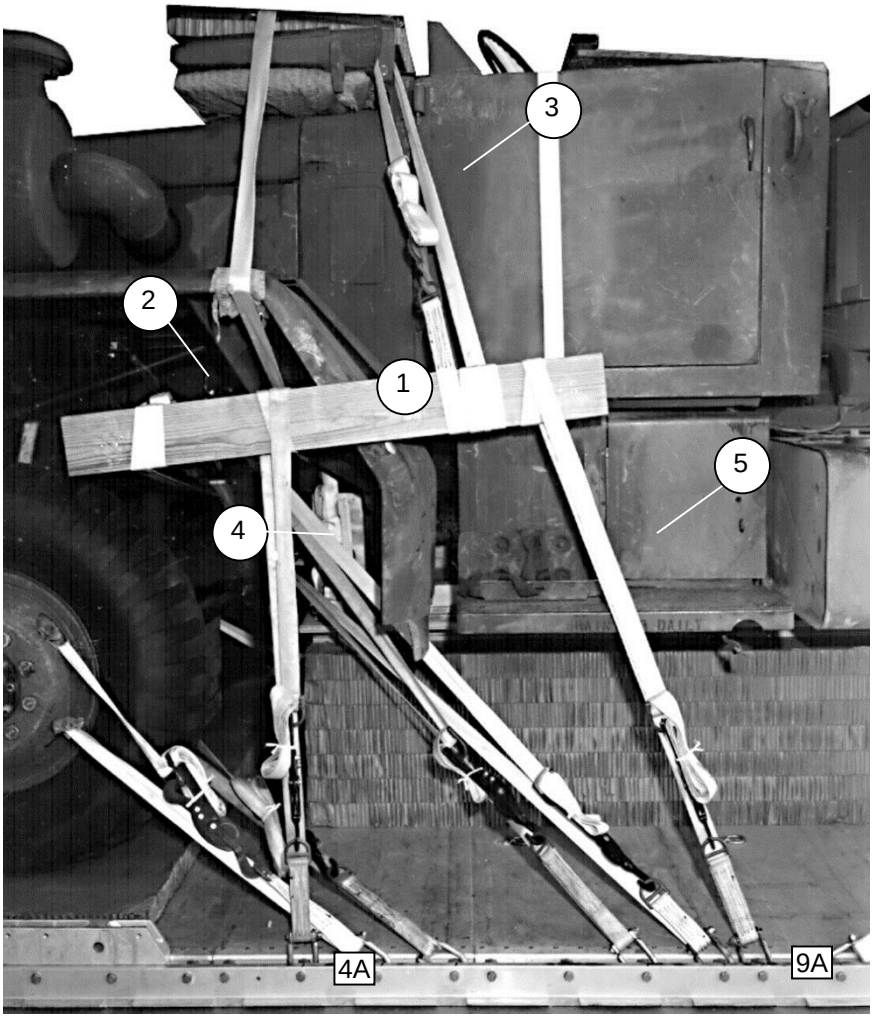


④ Pass the end of a 15-foot tiedown strap around the front of the right suspension sling spreader and through clevis 4. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Pass the end of a 15-foot tiedown strap around the rear of the right suspension sling spreader and through clevis 9. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑥ Safety the rear of the right suspension sling spreader to the handhold handle with ½-inch tubular nylon webbing.

Figure 3-35. Right front suspension sling spreader installed (continued)



① Position the left front suspension sling spreader against the truck as shown.

② Pass the end of a 15-foot tiedown strap around the front end of the 2- by 6- by 48-inch portion of the left suspension sling spreader. Pass the end of the strap around the mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass the end of a 15-foot tiedown strap completely around the left suspension sling spreader. Pass the end of the strap around the windshield frame support. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

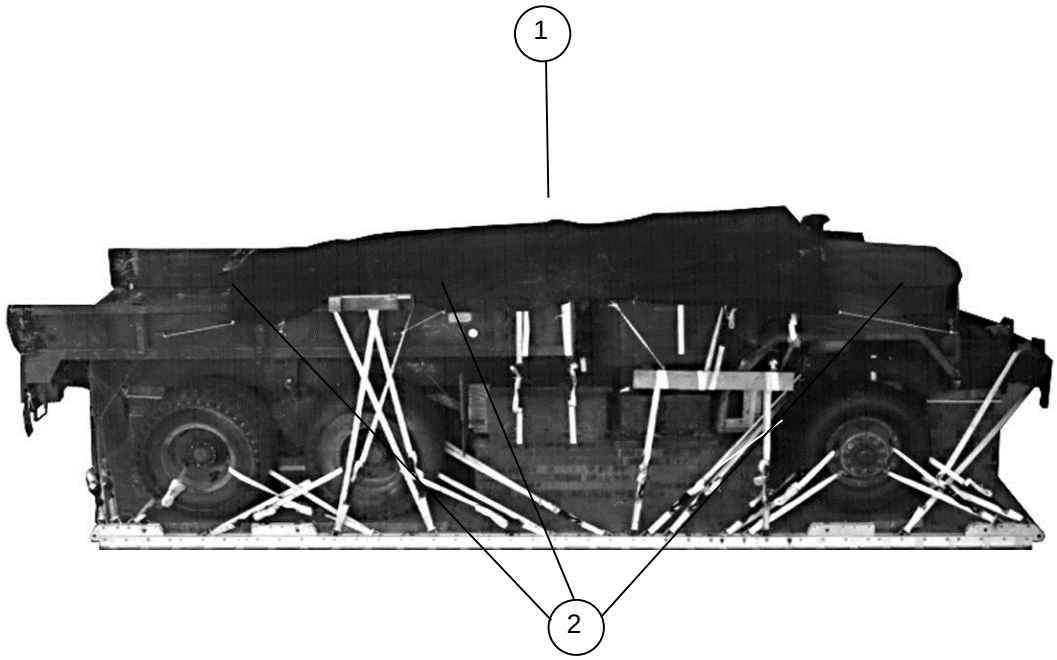
④ Pass the end of a 15-foot tiedown strap around the front of the left suspension sling spreader and through clevis 4A. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Pass the end of a 15-foot tiedown strap around the rear of the left suspension sling spreader and through clevis 9A. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-36. Left front suspension sling spreader installed

INSTALLING LOAD COVER

3-14. Install the load cover as shown in Figure 3-37.



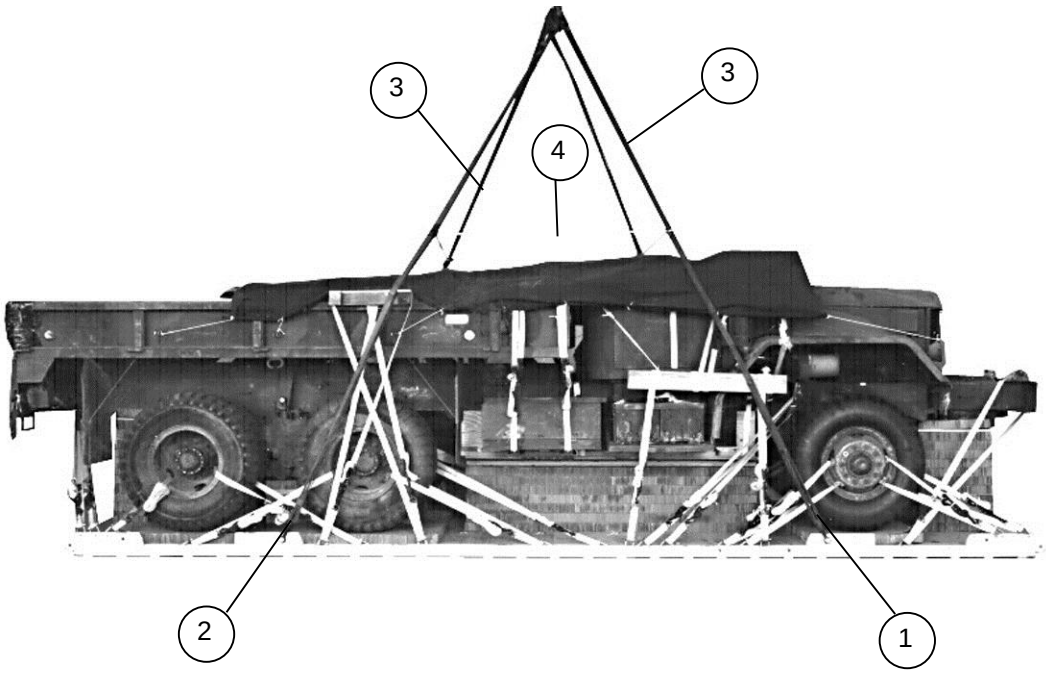
① Place a 10- by 15-foot piece of duck cloth over the load.

② Tie the load cover in place with ties of type III nylon cord.

Figure 3-37. Load cover installed

INSTALLING SUSPENSION SLINGS AND DEADMAN'S TIE

3-15. Install the suspension slings and deadman's tie as shown in Figure 3-38.



① Place the bell portion of a large suspension clevis on the end of a 16-foot (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the right front suspension link.

② Install a 16-foot (4-loop), type XXVI nylon webbing sling on the right rear suspension link as described in step 1 above.

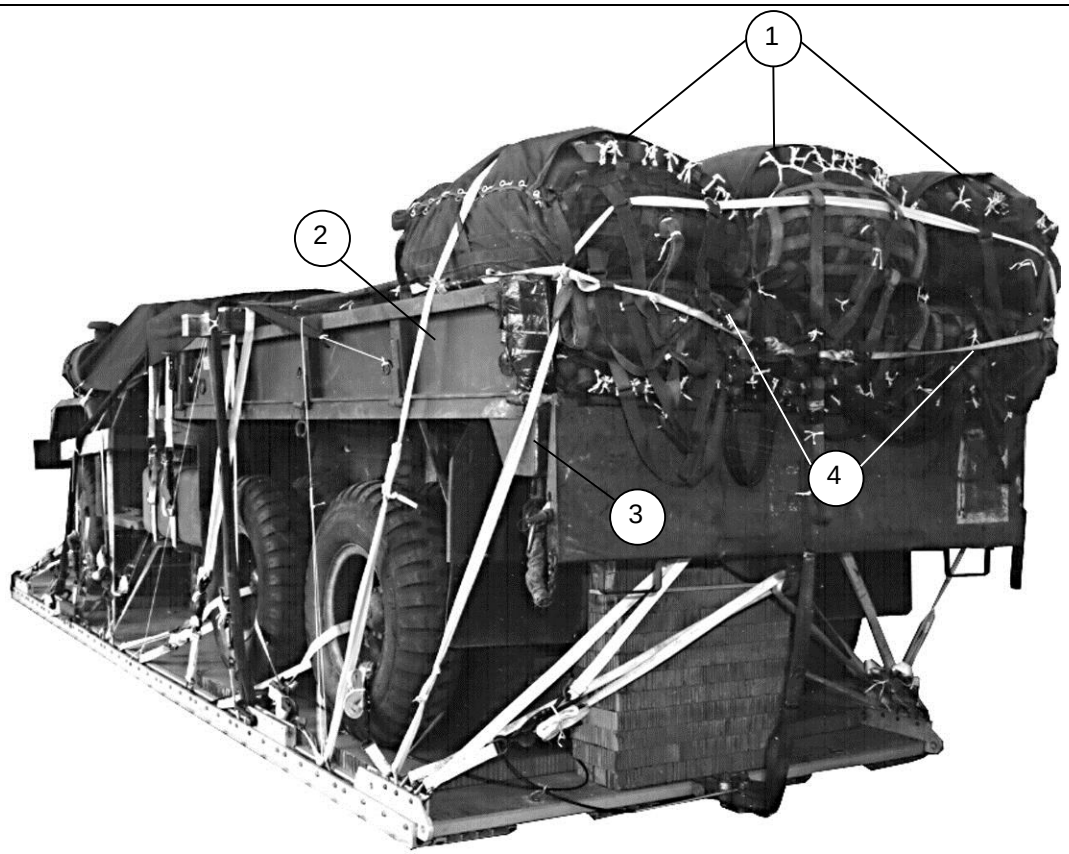
③ Install a 16-foot (4-loop), type XXVI nylon webbing sling on the left front and left rear suspension links by adapting the procedures in steps 1 and 2 above.

④ Install a deadman's tile on the slings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-38. Suspension slings and deadman's tie installed

STOWING CARGO PARACHUTES

3-16. Stow six G-11C cargo parachutes on the truck as shown in Figure 3-39.



① Prepare and position six G-11B cargo parachutes in the rear of the truck as shown. Each parachute requires a 120-foot riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Bolt a load tiedown clevis to clevises 15 and 15A in an inverted manner. Install a 10-yard, type X nylon webbing parachute restraint strap over the center of the cargo parachutes. Use a D-ring and a load binder to secure each end of the strap to the inverted clevises according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

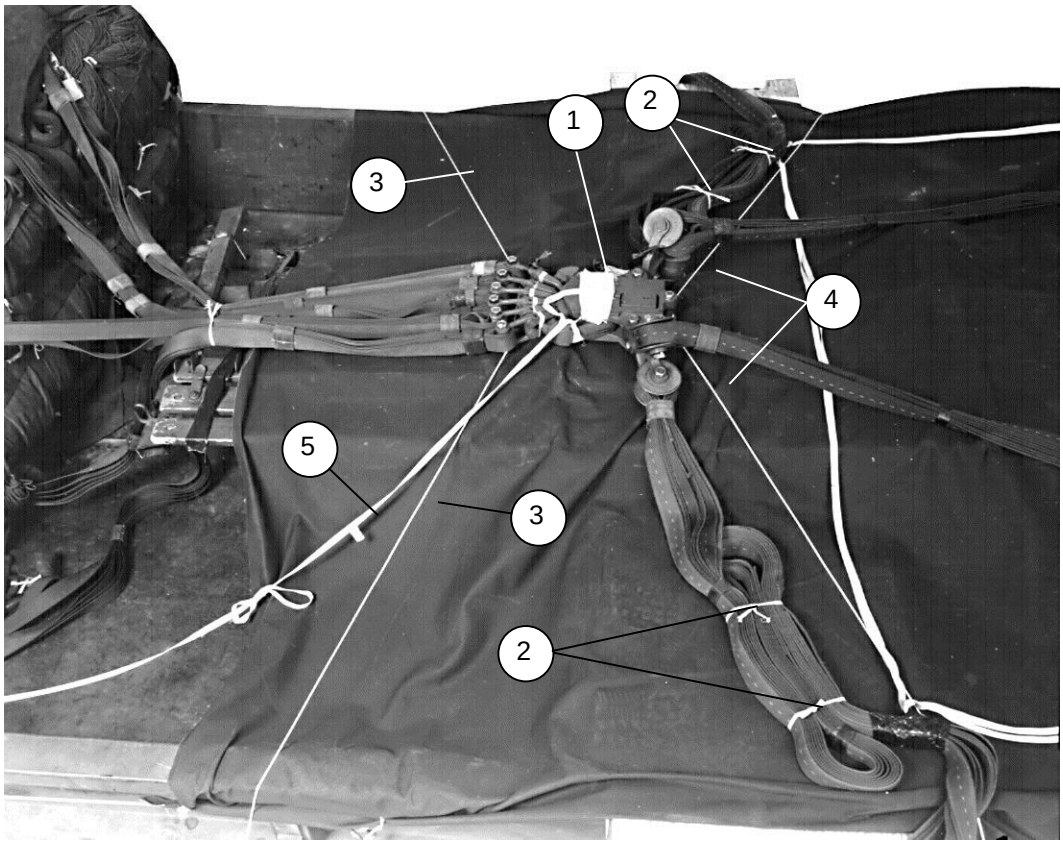
③ Bolt a load tiedown clevis to clevises 16 and 16A in an inverted manner. Install a 10-yard, type X nylon webbing parachute restraint strap over the top of the cargo parachutes. Use a D-ring and a load binder to secure each end of the strap to the inverted clevises according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-39. Six G-11B cargo parachutes installed

INSTALLING RELEASE SYSTEM

3-17. Prepare and install the release system as shown in Figure 3-40.



① Prepare an M-2 cargo parachute release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on the top of the load.

② Fold the suspension slings, and secure the folds with single turns of type I, ¼-inch cotton webbing.

③ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

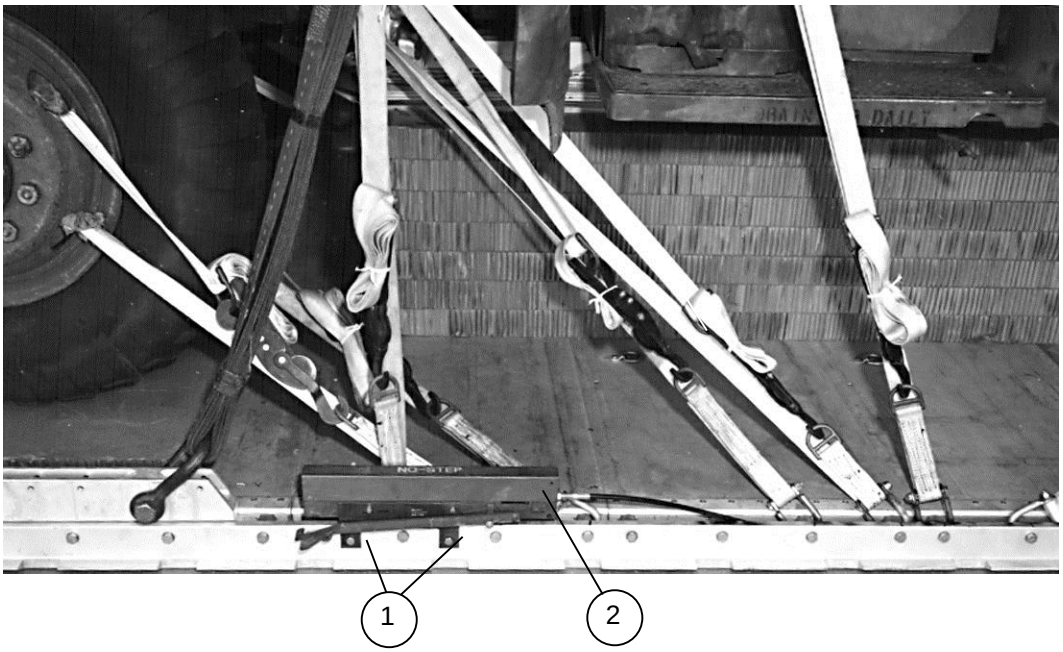
④ Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-40. Release system installed

INSTALLING EXTRACTION SYSTEM

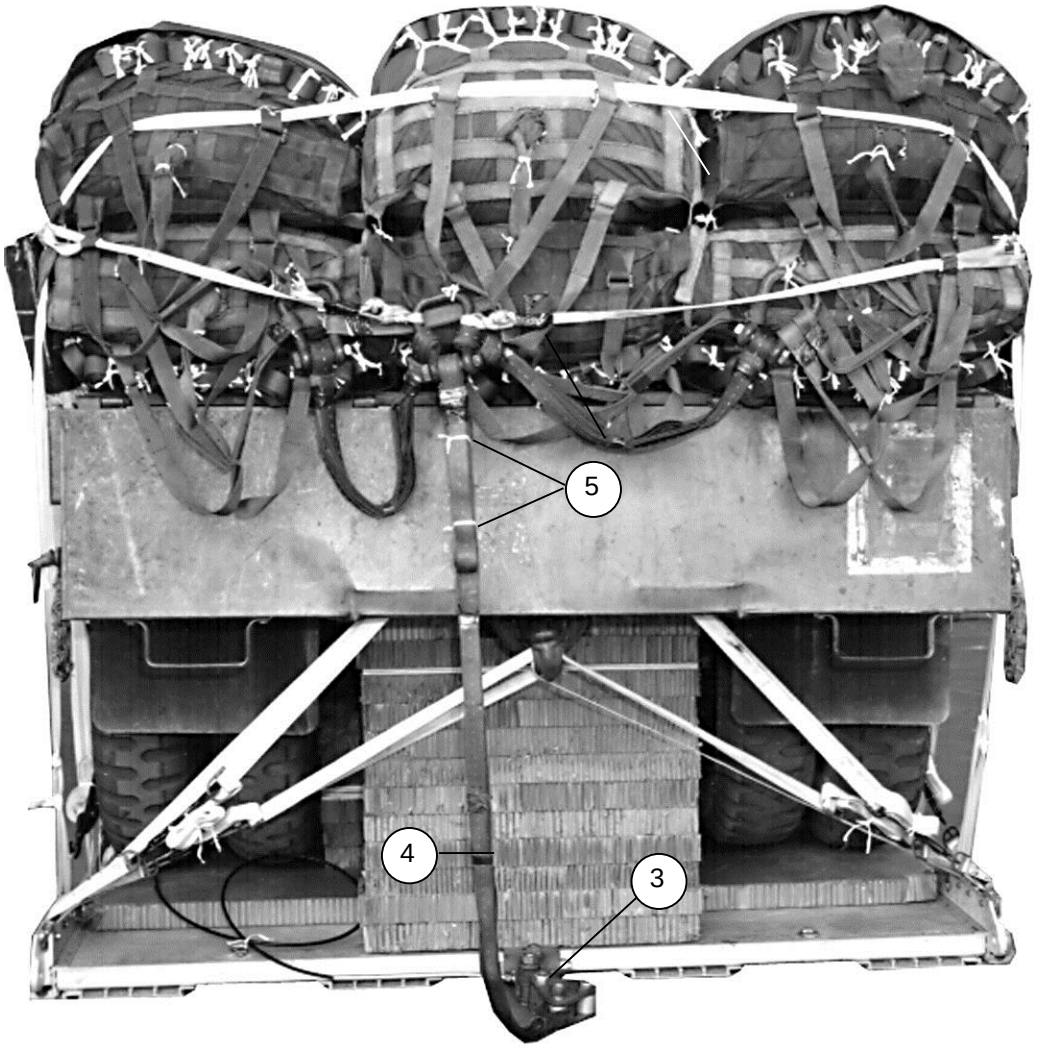
3-18. Install the extraction force transfer coupler extraction system as shown in Figure 3-41 on the following pages.



① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the rear mounting holes in the left platform rail.

② Install the actuator with a 24-foot cable to the EFTA mounting brackets according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 3-41. Extraction system installed



③ Use a 5-inch latch assembly adapter, and attach the latch assembly to the extraction bracket according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Make sure the locking nut hole faces toward the left side of the platform.

④ Connect one end of a 9-foot (2-loop), type XXVI nylon webbing sling (deployment line) to the top spacer of the link assembly. Connect the free end to the center large suspension clevis on the 3-foot clustering slings.

⑤ Fold the excess deployment line, and secure the folds in place with tape to type I, ¼-inch cotton webbing.

Figure 3-41. Extraction system installed (continued)

PLACING EXTRACTION PARACHUTE

3-19. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISIONS FOR EMERGENCY RESTRAINTS

3-20. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

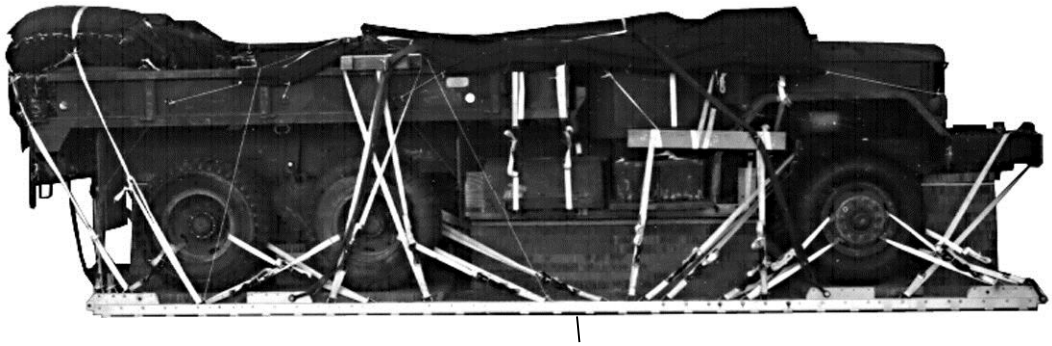
3-21. Mark the rigged load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5, and as shown in Figure 3-42. Complete *Shipper's Declaration for Dangerous Goods* If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

3-22. Use the equipment listed in Table 3-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……..26,840 pounds

Maximum load allowed……...…….27,340 pounds

Height……..……...98 inches

Width ……...…108 inches

Length ……...….326 inches

Overhang: Front ……10 inches

Rear ……...…28 inches

Center of Balance (CB) (from front edge of platform)……160 inches

Extraction System……...……Extraction Force Transfer Coupler

Figure 3-42. M813, 5-Ton Cargo Truck rigged for low-velocity airdrop on a type V platform

Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
3990-00-937-0272	Binder, load, 10,000-lb	42
1670-01-020-2013	Bracket, suspension, rear	2
4030-00-678-5354	Clevis, suspension, 1-in (large)	15
8305-00-242-3593	Cloth, cotton duck, 60-in	1
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5787	Coupling, airdrop, extraction force transfer w 20-ft cable	1
1670-00-360-0328	Cover, clevis, large	6
1670-00-360-0329	Cover, link (type IV)	19
8135-00-664-6968	Cushioning material, packaging, cellulose wadding	As required
5365-00-937-0147	D-ring, heavy-duty, 10,000-lb	44
8305-00-958-3685	Felt, ½-in thick	As required
1670-00-573-6790	Frame extension assembly	2
1670-01-183-2678	Leaf, extraction line	1
	Line, extraction:	
1670-01-064-4454	60-ft (6-loop), type XXVI nylon webbing (for C-130 aircraft)	1
1670-01-107-7651	140-ft (3-loop), type XXVI nylon webbing (for C-141 aircraft)	1
1670-00-006-2752	Link assembly:	1
	Four-point	1
5306-00-435-8994	Two-point:	(2)
5310-00-232-5165	Bolt, 1-in diamiter, 4-in long	(2)
1670-00-003-1954	Nut, 1-in	(2)
5365-00-007-3414	Plate, side, 5 ½-in	(2)
	Spacer, large	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	*Item*	*Quantity*
	Load spreader:	
5510-00-220-6146	Lumber, 2- by 4- by 88-in	2
5510-00-220-6274	Lumber, 4- by 4-in:	
	17-in	2
	108-in	2
5530-00-128-4981	Plywood, ¾- by 24- by 42-in	
5510-00-	Lumber, 2- by 4- by 96-in	2
220=6146	Pad, energy-dissipating, honeycomb, 3- by 36- by 96-	35 sheets
1670-00-753-3928	in:	(8)
	9- by 18-in	(4)
	12- by 12-in	(2)
	16- by 18-in	(6)
	18- by 18-in	(2)
	24- by 18-in	(1)
	24- by 60-in	(2)
	25- by 18-in	(1)
	25- by 24-in	(2)
	27- by 24-in	(11)
	36- by 12-in	(13)
	36- by 24-in	(2)
	36- by 36-in	(8)
	45- by 18-in	(4)
	45- by 24-in	(4)
	54- by 18-in	(10)
	96- by 36-in	6
1670-01-016-7841	Parachute, Cargo, G-11B	
	Cargo extraction:	2
1670-00-262-1797	28-ft or	2
1670-00-040-8135	28-ft, heavy-duty	
	Platform, airdrop, type V, 24-ft:	
	Bracket:	(1)
1670-01-162-2375	Inside Extraction Force Transfer Actuator (EFTA)	(1)
1670-01-162-2374	Outside EFTA	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 3-1. Equipment required for rigging the M813 or M54, 5-Ton Cargo Truck for low-velocity airdrop on a type V platform (continued)

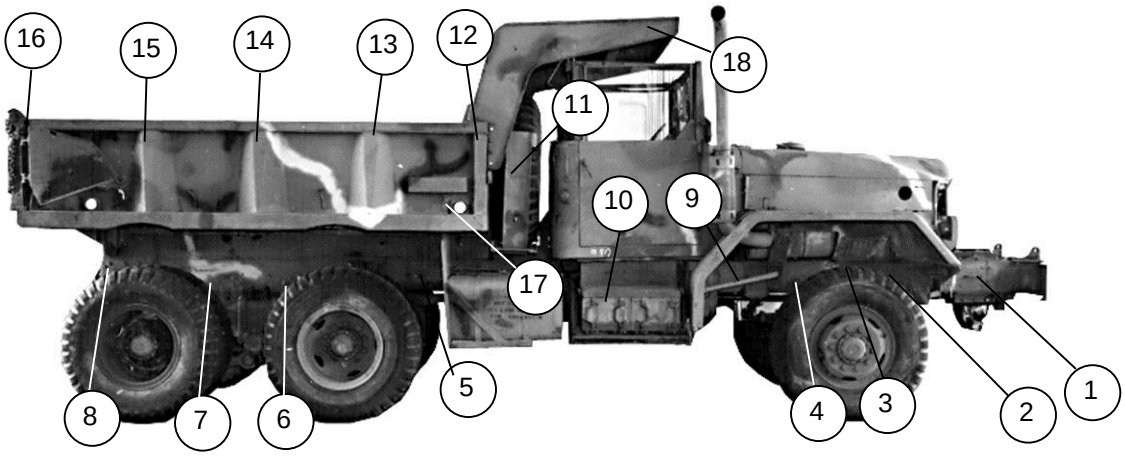
National Stock Number	*Item*	*Quantity*
1670-00-040-8219	Strap, parachute release, multicut, comes	
	w 3 knives (Use only 2 knives on each line.)	2
	Support, mainframe:	1
	Lumber:	
5510-00-220-6146	2- by 4- by 9 ¾-in	(2)
5510-00-220-6448	2- by 6- by 33 ¼-in	(3)
5510-00-220-6274	4- by 4- by 33 ¾-in	(1)
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-010-4663	16d	As required
5530-00-128-4981	Plywood, ¾- by 48- by 96-in:	4 sheets
	12- by 12-in	(1)
	13- by 95-in	(6)
	18- by 60-in	(1)
	33 ¾- by 95-in	(2)
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tiedown assembly, 15-ft	63
	Webbing:	
8305-00-268-2411	Cotton, type I, ¼-inch	As required
	Nylon:	
8305-00-082-5752	Tubular, ½-in	As required
8305-00-261--8584	Type X, treated	As required
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Chapter 4

Rigging M817 or M51 5-Ton Dump Truck on a Type V Platform

DESCRIPTION OF LOAD

4-1. The M817 or M51, 5-ton dump truck is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraftThe M817 truck is shown throughout this chapter. Figure 4-1 shows the unrigged M817 truck. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck



First tiedown provision	10 Toolbox
Second tiedown provision	11 Tool Stowage box
Third tiedown provision	12 First side rack socket
Fourth tiedown provision	13 Second side rack socket
Fifth tiedown provision	14 Third side rack socket
Sixth tiedown provision	15 Fourth side rack socket
Seventh tiedown provision	16 Fifth side rack socket
Eighth tiedown provision	17 Side body storage sockets
Fender brace	18 Cab shield

Figure 4-1. Unrigged M817, 5-ton dump truck

PREPARING PLATFORM

4-2. Prepare a 24-foot, type V airdrop platform as described below.

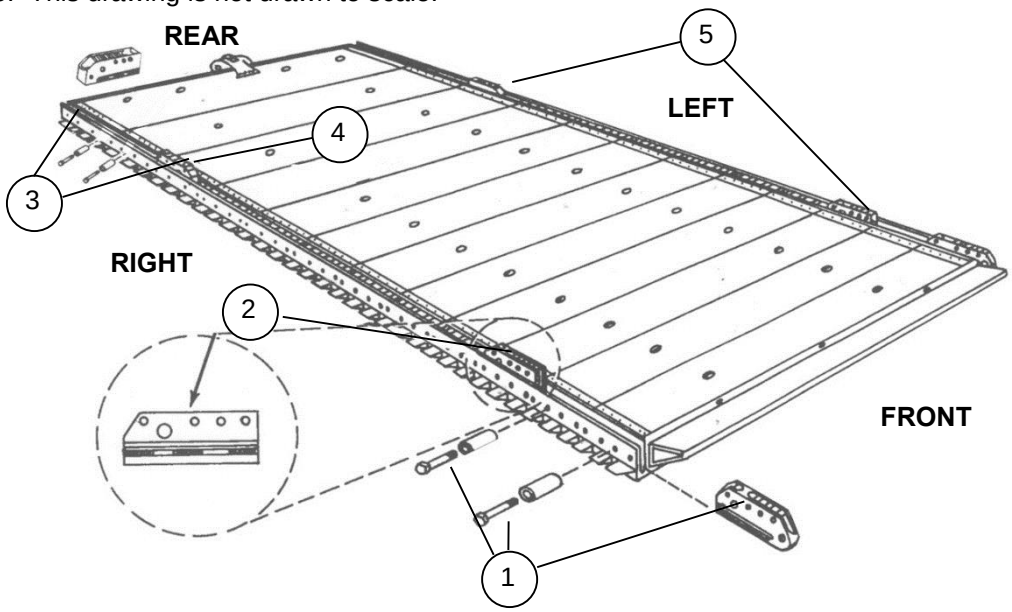
- Inspecting the platform. Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20 & P/TO 13C7-52-22.

Note. If the platform must be assembled, install the suspension links when assembling the platform. See Figure 4-2 for the location of the suspension links.

- Installing suspension links. Install the suspension links as described in Figure 4-2.
- Installing tandem links. Install a tandem link on the front of each rail as shown in Figure 4-3.
- Attaching and numbering clevises. Attach and number 46 clevises as shown in Figure 4-3.
- Labeling and numbering tiedowns. Label and number the tiedown rings as shown in Figure 4-3.

Notes 1. The nose bumper may or may not be installed.
2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.

Note. This drawing is not drawn to scale.



① Remove any bushings, bolts, and tandem links that may have been installed in holes 1 through 11 on the right rail.

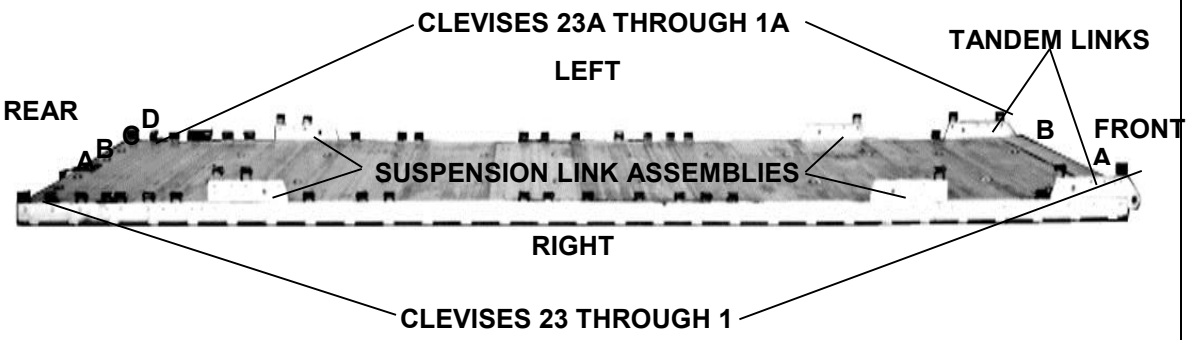
② Place a suspension link in the front of the right rail with the flat portion to the front of the rail. Slide the link along the rail until the hole in the link align with rail holes 9, 10, and 11. Bolt the link in place with the bushing bolts.

③ Remove any bushings, bolts, and tandem links that may have been installed in holes 38 through 48 on the right rail.

④ Place a suspension link on the rear of the right rail with the flat portion to rear of the rail. Slide the link along the rail until the holes in the link align with rail holes 38, 39, and 40. Bolt the link in place with the bushing bolts.

⑤ Install two suspension links on the left rail, adapting the procedures in steps 1 through 4 above.

Figure 4-2. Suspension links installed



Steps:

1 Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.

2 Install a clevis on bushings 1 and 4 of each front tandem link.

3 Install a clevis on bushings 1 on each front suspension link.

4 Install a clevis on bushings 2 and 4 on each rear suspension link.

5 Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 4, 18, 19, 20, 22, 24, 26, 27, 33, 34, 36, 42, 43, 44, 45, 46, 47, and 48.

6 Start at the front of the platform, number the clevises bolted to the right side from 1 through 23 and those bolted to the left side from 1A through 23A.

7 Label the two rows of tiedown rings in the first 11 panels A and B from right to left. Label the two rows of tiedown rings in the last panel A, B, C, and D from right to left. Starting at the front of the platform, number the rows of tiedown rings 1 through 12.

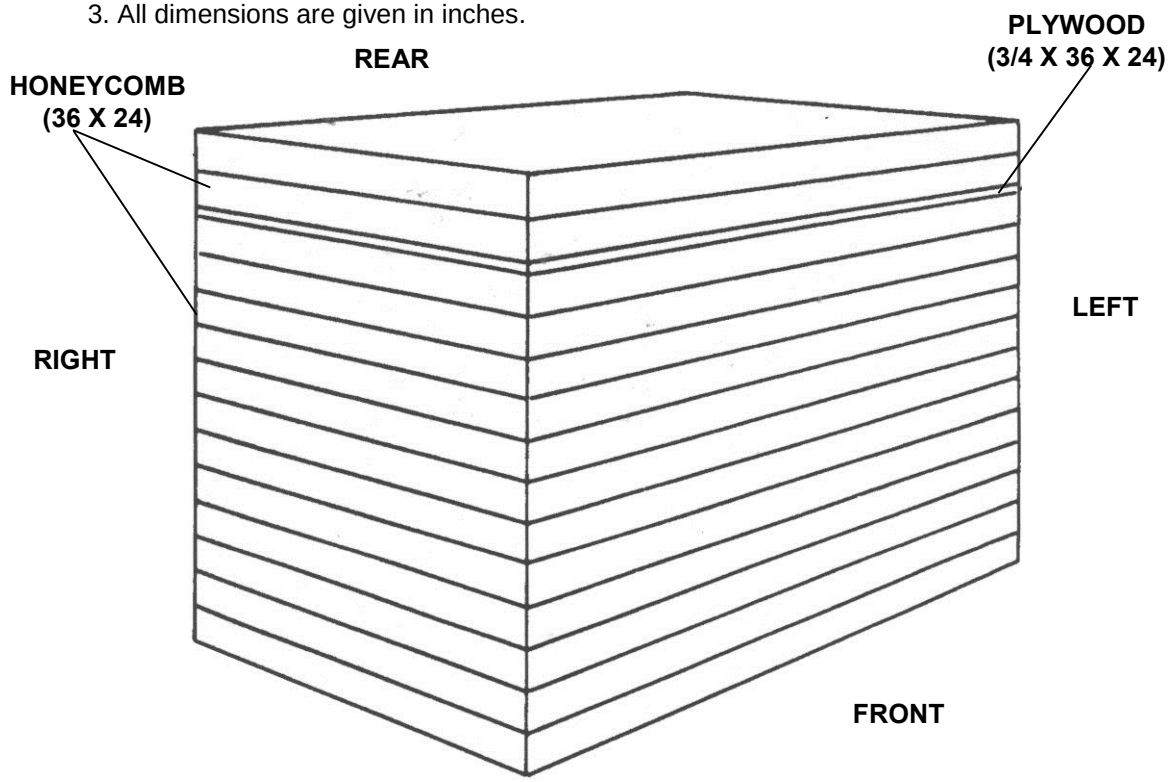
Figure 4-3. Platform prepared

BUILDING AND POSITIONING HONEYCOMB

4-3. Build and position the honeycomb stacks described below. Referenced figures on pages 4- 4 through 4-14.

- Build the honeycomb stacks as shown in Figures 4-4 through 4-11. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform.
- Position the honeycomb stacks on the platform as shown in Figures 4-12 through 4-14.

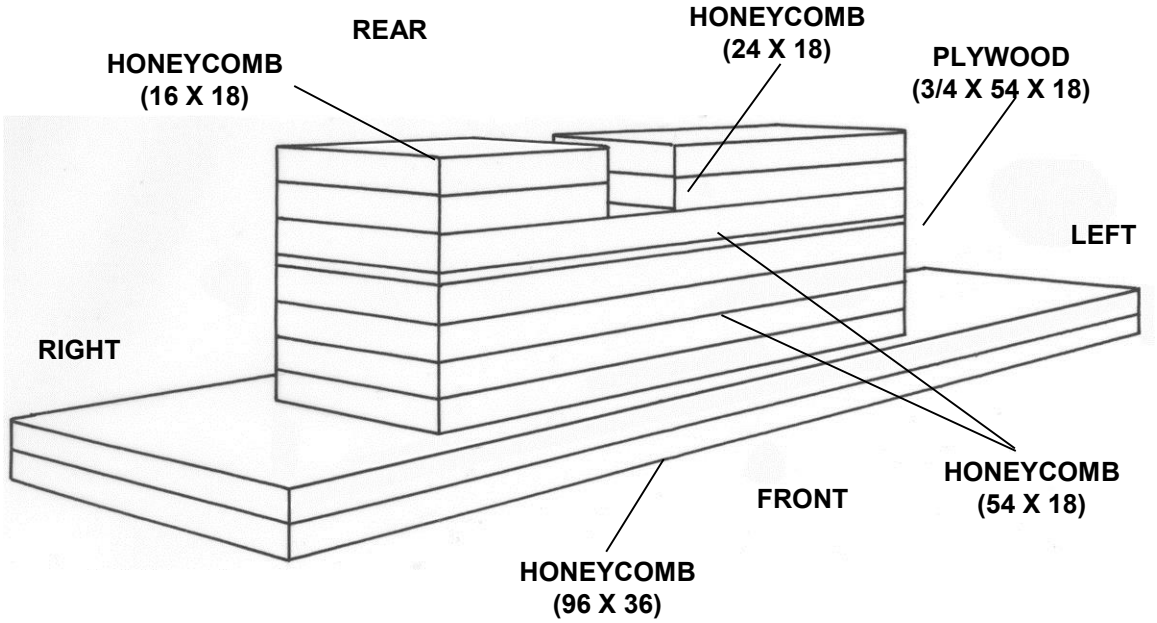
Notes. 1. This drawing is not drawn to scale.
2. If the truck you are rigging is NOT equipped with a winch, place one additional 36- by 24-inch layer of honeycomb on top of stack 1.
3. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	11	36	24	Honeycomb	Place honeycomb as the base.
	1	36	24	¾-inch plywood	Place plywood on top of the base.
	1	36	24	Honeycomb	Place honeycomb on top of the plywood.

Figure 4-4. Honeycomb stack 1 prepared

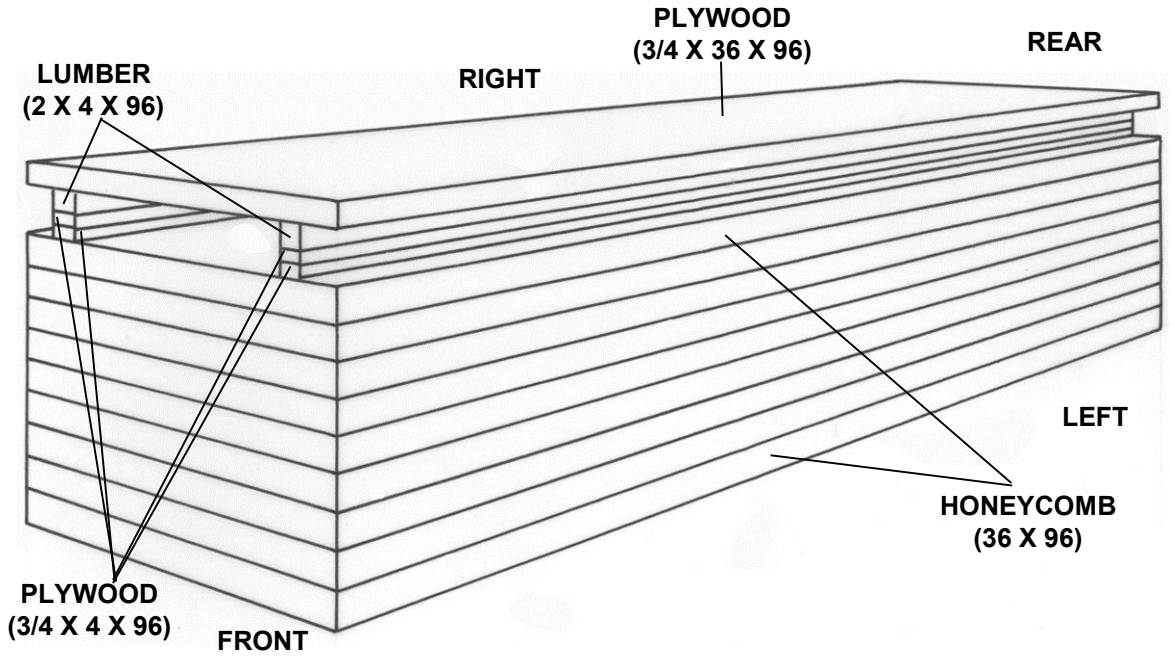
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
2	1	96	36	Honeycomb	Place honeycomb as the base.
	3	54	18	Honeycomb	Center honeycomb on top of the base.
	1	54	18	¾-inch plywood	Place plywood on top of the 54- by 18-inch honeycomb.
	1	54	18	Honeycomb	Place honeycomb on top of the plywood.
	2	16	18	Honeycomb	Place honeycomb on top of and flush with the right side of the 54- by 18-inch honeycomb.
	2	24	18	Honeycomb	Place honeycomb on top of and flush with the left side of the 54- by 18-inch honeycomb.

Figure 4-5. Honeycomb stack 2 prepared

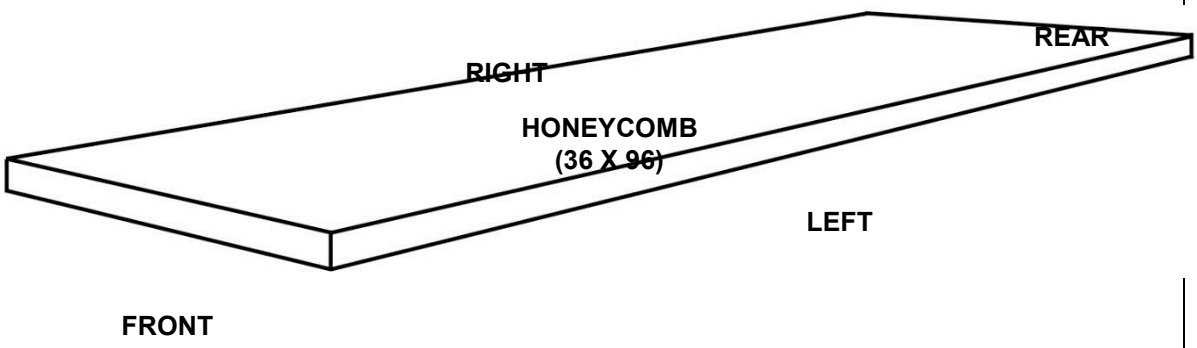
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3	7	36	96	Honeycomb	Place honeycomb as the base.
	2	4	96	¾-inch plywood	Place plywood on top of the base 8 inches from the right side.
	2	4	96	¾-inch plywood	Place plywood on top of the base8 inches from the left side.
	1	4	96	2- by 4-inch lumber	Place lumber on top of the 4- by 96-inch plywood on the right side.
	1	4	96	2- By 4-inch lumber	Place lumber on top of the 4- by 96-inch plywood on the left side.
	1	36	96	¾-inch plywood	Center plywood on top of the lumber and over the honeycomb base.

Figure 4-6. Honeycomb stack 3 prepared

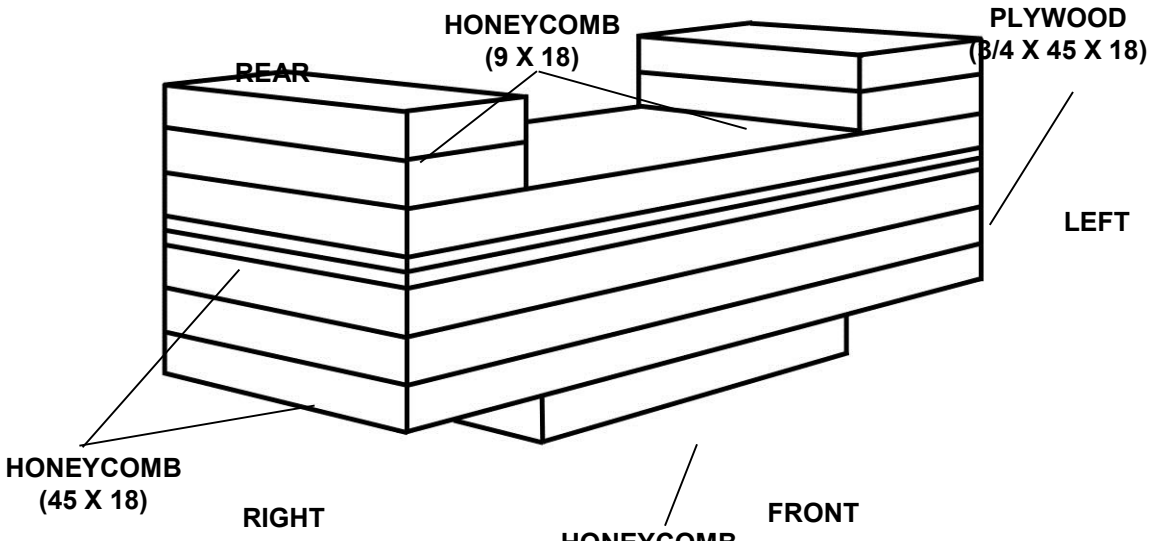
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
4	1	36	96	Honeycomb	Form stack
5	1	36	96	Honeycomb	Form stack

Figure 4-7. Honeycomb stacks 4 and 5 prepared

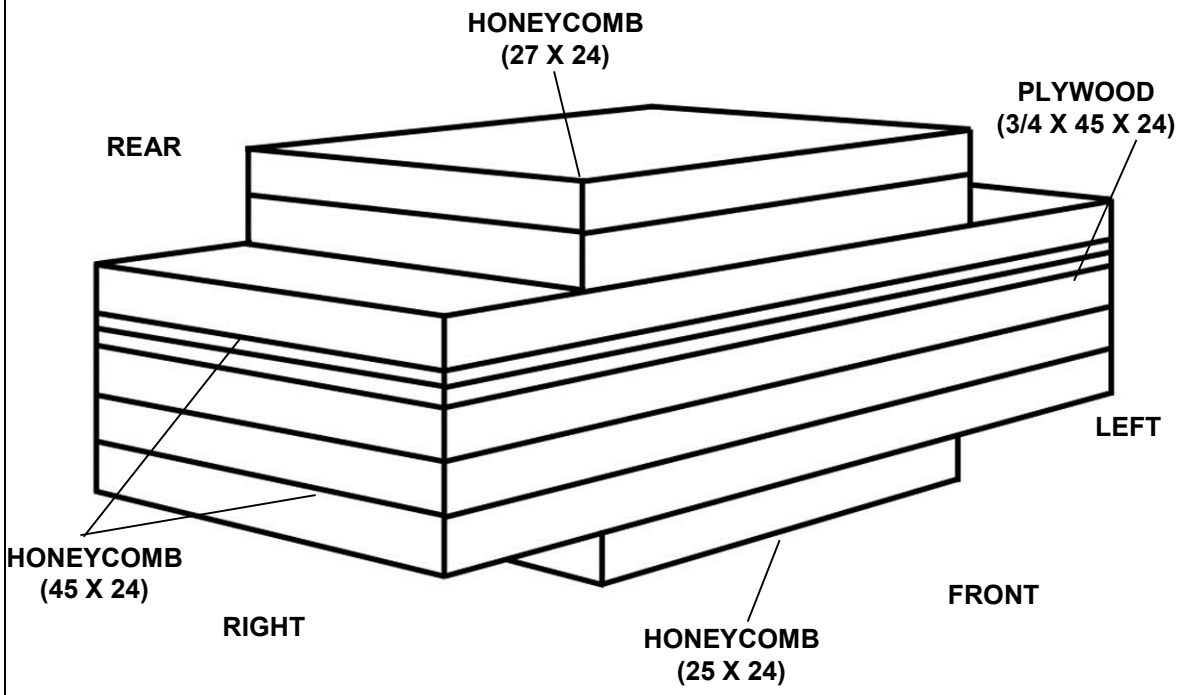
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
6	1	25	18	Honeycomb	Place honeycomb as the base.
	3	45	18	Honeycomb	Center honeycomb on top of the base.
	2	45	18	¾-inch plywood	Place plywood on top of the 45- by 18-inch honeycomb.
	1	45	18	Honeycomb	Place honeycomb on top of the plywood.
	4	9	18	Honeycomb	Place two pieces of honeycomb on each side of the 45- by 18-inch honeycomb even with the 18-inch edge.

Figure 4-8. Honeycomb stack 6 prepared

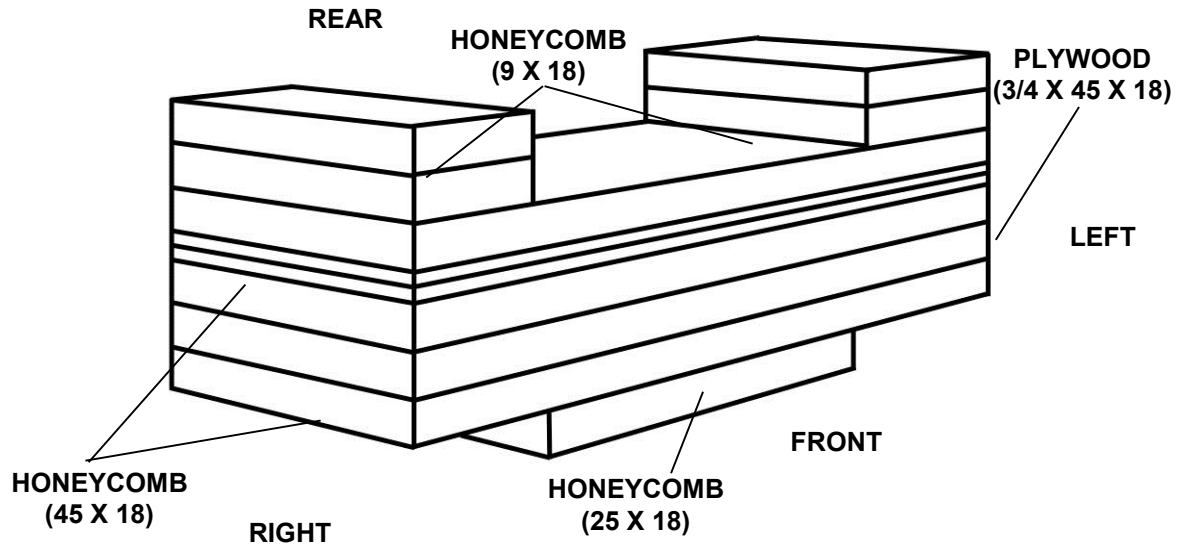
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
7	1	25	24	Honeycomb	Place honeycomb as the base.
	3	45	24	Honeycomb	Center honeycomb on top of the base.
	2	45	24	¾-inch plywood	Place plywood on top of the 45- by 24-inch honeycomb.
	1	45	24	Honeycomb	Place honeycomb on top of the plywood.
	2	27	24	Honeycomb	Center honeycomb on top of the 45- by 24-inch honeycomb.

Figure 4-9. Honeycomb stack 7 prepared

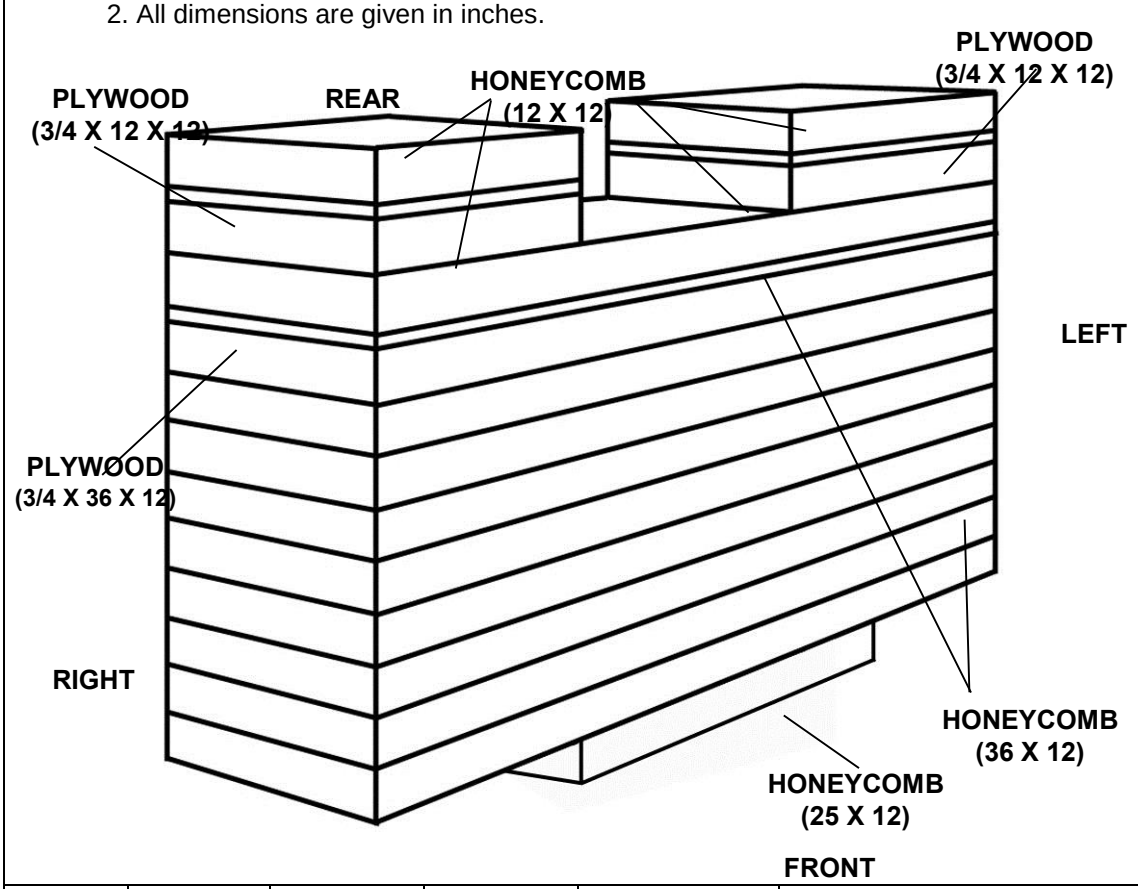
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
8	1	25	18	Honeycomb	Place honeycomb as the base.
	3	45	18	Honeycomb	Center honeycomb on top of the base.
	2	45	18	¾-inch plywood	Place plywood on top of the 45- by 18-inch honeycomb.
	1	45	18	Honeycomb	Place honeycomb on top of the plywood.
	4	9	18	Honeycomb	Place two pieces of honeycomb on each side of the 45- by 18-inch honeycomb even with the 18-inch edge.

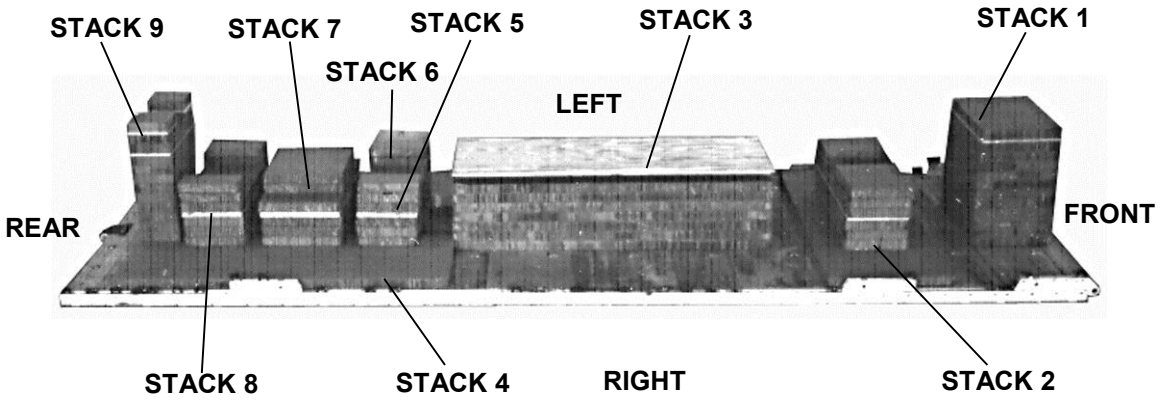
Figure 4-10. Honeycomb stack 8 prepared

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Materials	Instructions
9	1	25	12	Honeycomb	Place honeycomb as the base
	9	36	12	Honeycomb	Center honeycomb over the base.
	1	36	12	¾-inch plywood	Place plywood on top of the base.
	1	36	12	Honeycomb	Place honeycomb on top of the plywood.
	2	12	12	Honeycomb	Place one piece of honeycomb on each side of the 36- by 12-inch edge.
	2	12	12	¾-inch plywood Honeycomb	Place one piece of plywood on top of each piece of the 12- by 12-inch honeycomb.
	2	12	12		Place one piece of honeycomb on top of each piece of plywood.

Figure 4-11. Honeycomb stack 9 prepared



Stack Number	Position of Stack on Platform
	Place stack:
1	Centered flush with the front edge of the platform.
2	Centered 12 inches from the rear of stack 1.
3	Centered 12 inches from the rear of stack 2.
4	Flush with rear of stack 3, 3 inches from right rail.
5	Flush with rear of stack 3, 3 inches from left rail.
6	Between stacks 4 and 5, 10 inches from the rear of stack 3.
7	Between stacks 4 and 5, 5 inches from the rear of stack 6.
8	Between stacks 4 and 5, 5 inches from the rear of stack 7.
9	Between stacks 4 and 5, 2 inches from the rear of stack 8.

Figure 4-12. Honeycomb stacks positioned on platform

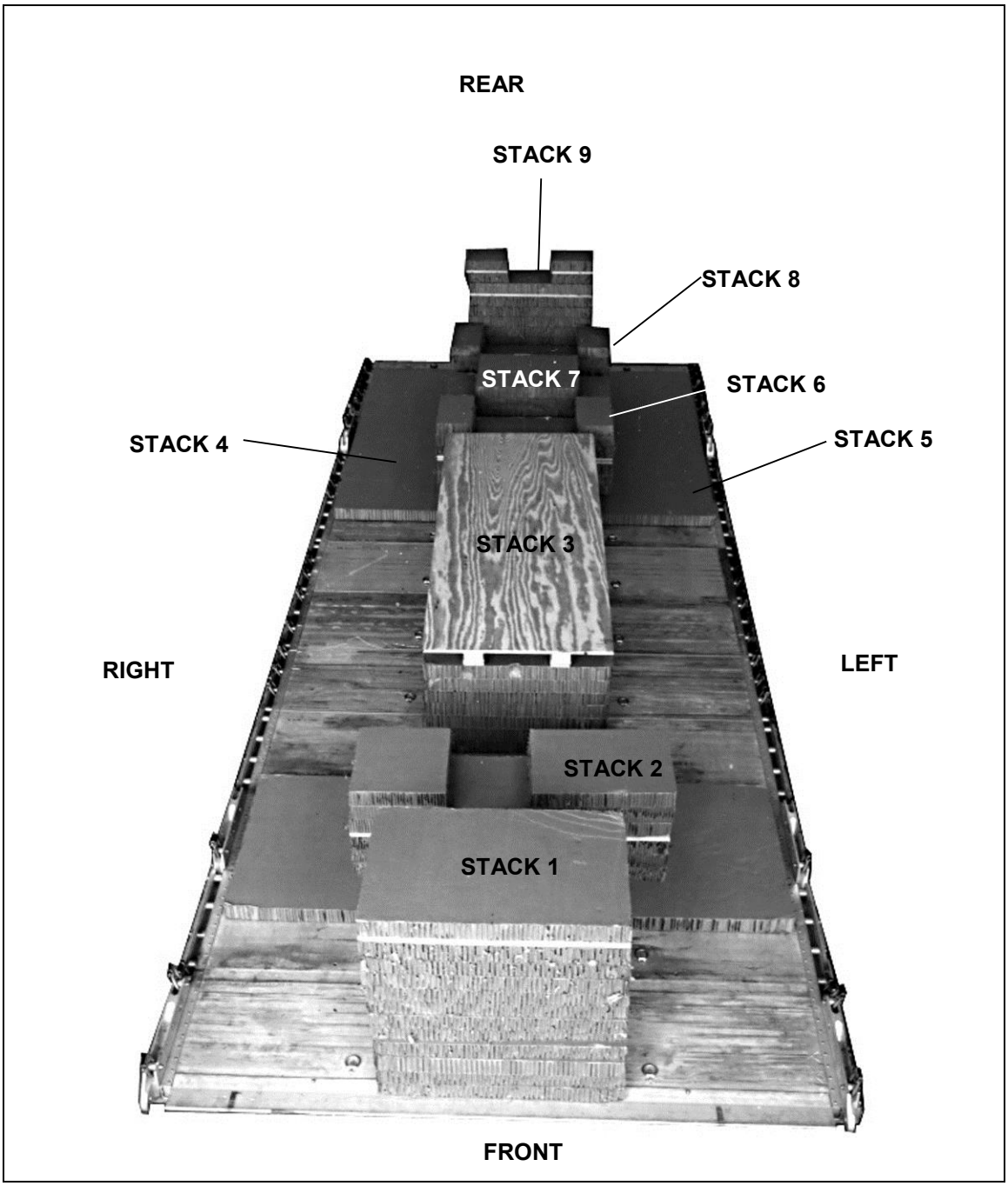


Figure 4-13. Front view of honeycomb stacks positioned on platform

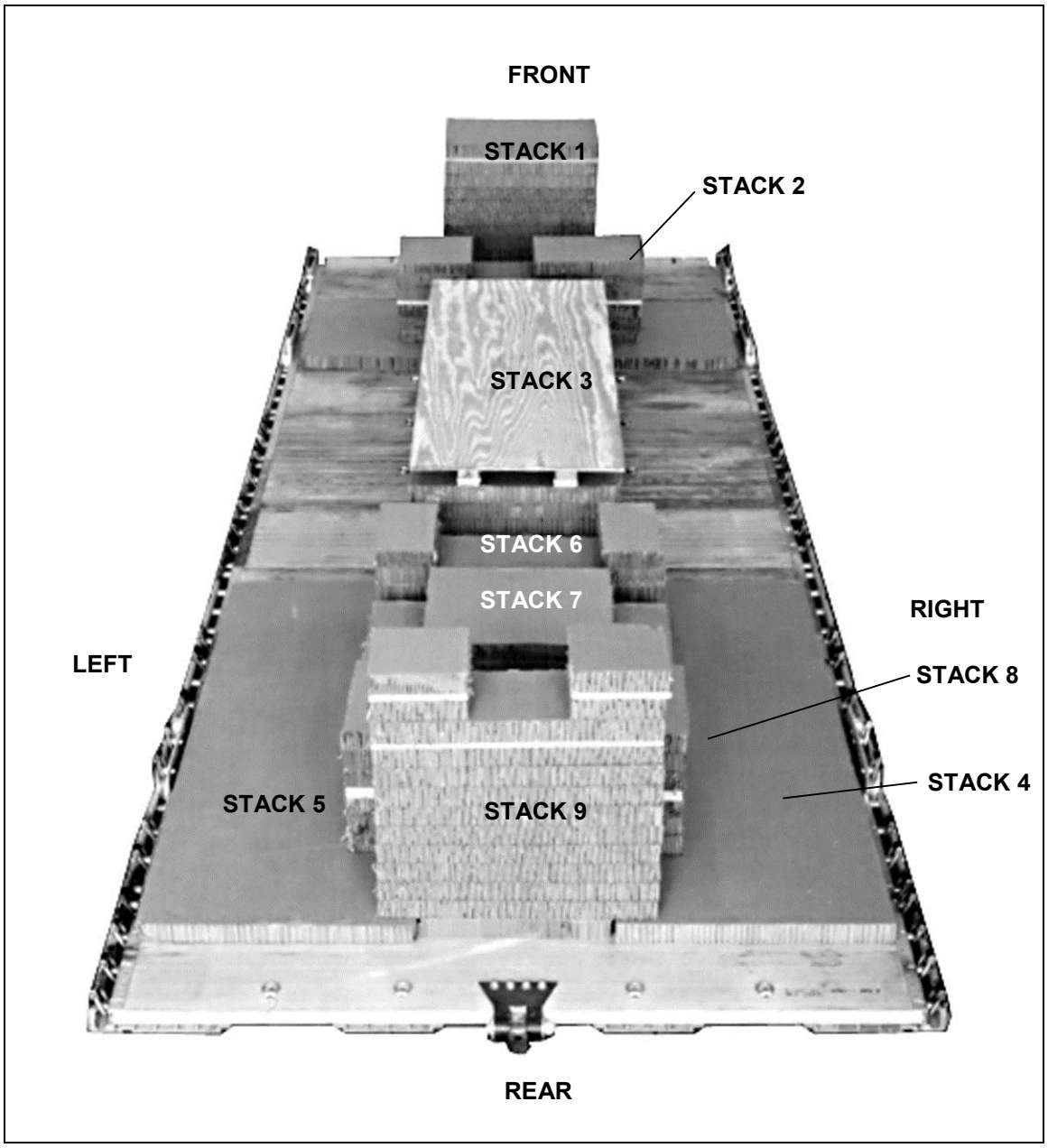


Figure 4-14. Rear view of honeycomb stacks positioned on platform

REMOVING TRUCK COMPONENTS

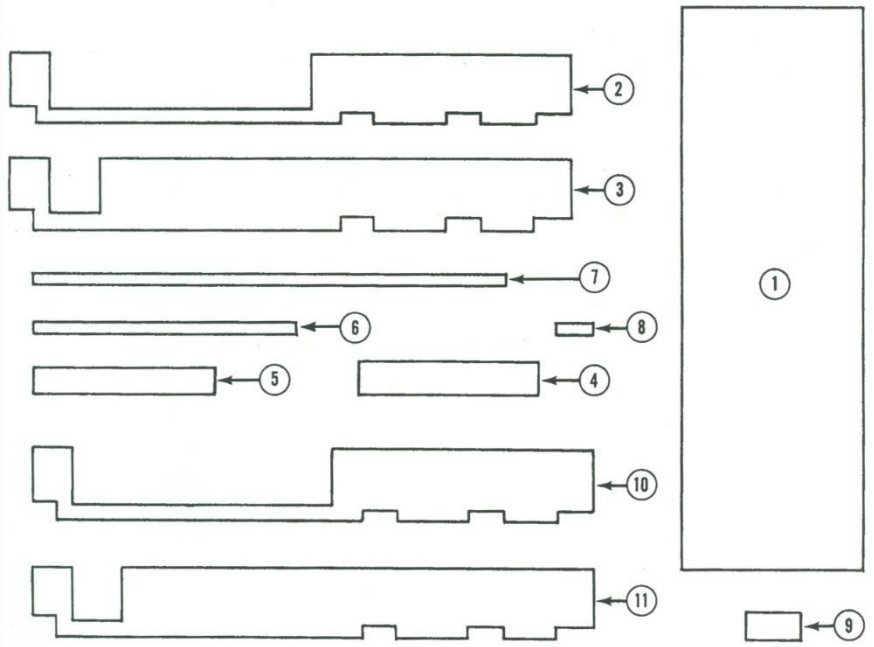
4-4. Remove the cab top cover and frame, cargo body cover, mirror assemblies, exhaust stack, cab shield, side rack troop seats, body side racks, and bow and stack assemblies according to TM 9-2320-211-10 and TM 9-2320-211-20P.

Note. The cab shield is not dropped with this load.

BUILDING FRAME SUPPORT

4-5. Use the material in Figure 4-15 to build the frame supportBuild the frame support as shown in Figure 4-16 on the following page.

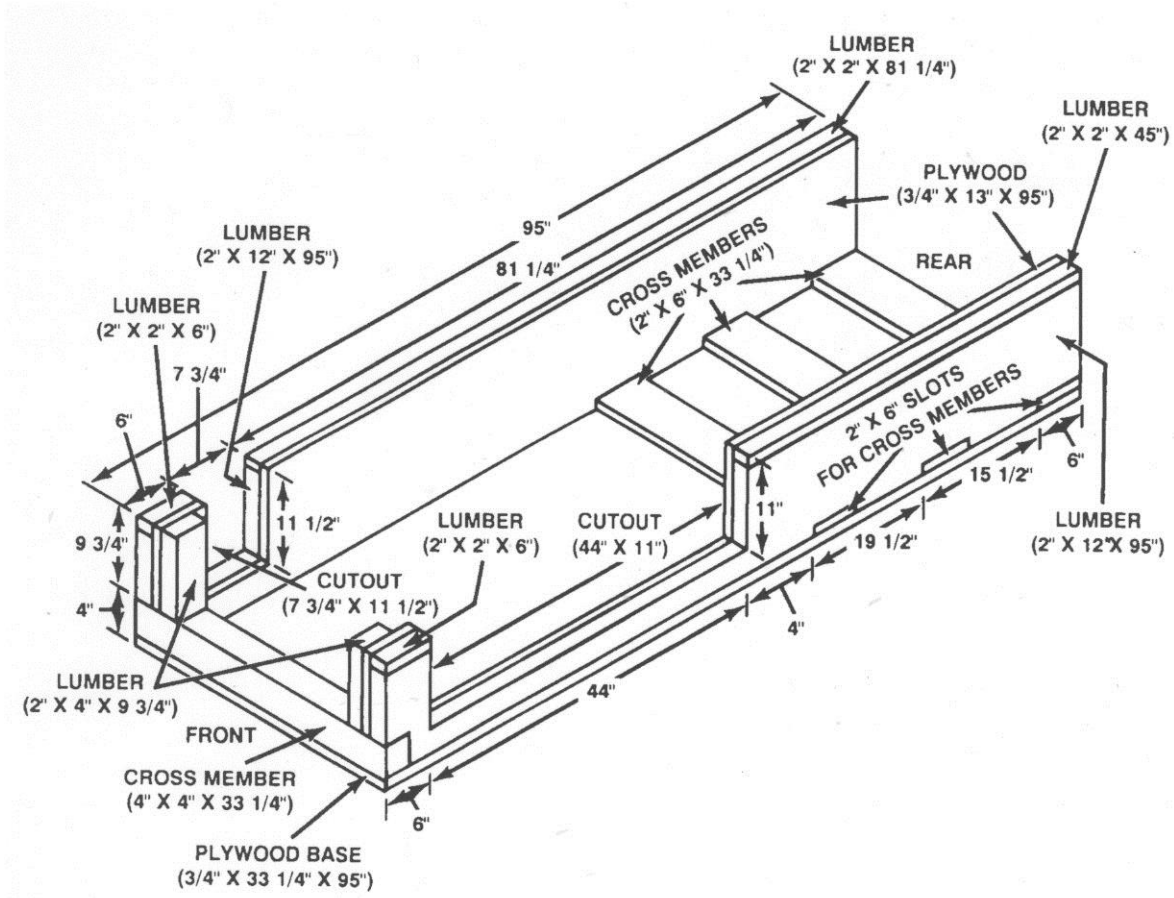
Note. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	33 ¼	95	¾-inch plywood
2	1	13	95	¾-inch plywood
3	1	13	95	¾-inch plywood
4	1	3 ½ (actual)	33 ¼	4- by 4-inch lumber
5	3	6	33 ¼	2- by 6-inch lumber
6	1	2	45	2- by 2-inch lumber
7	1	2	81 ¼	2- by 2-inch lumber
8	2	2	6	2- by 6-inch lumber
9	2	4	9 ¾	2- by 4-inch lumber
10	1	12	95	2- by 12-inch lumber
11	1	12	95	2- by 12-inch lumber

Figure 4-15. Material for frame support

Note. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.



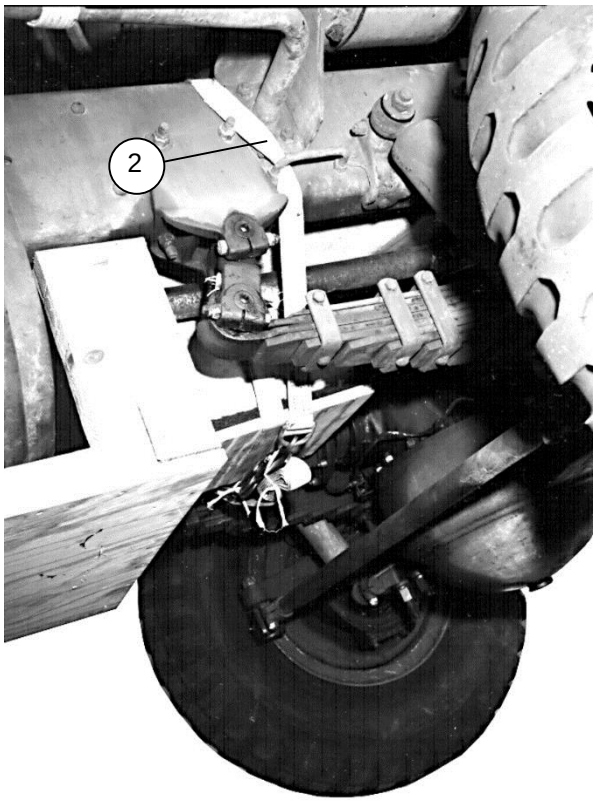
Steps:

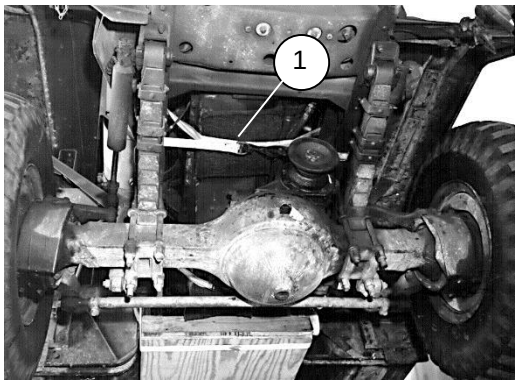
1. Construct the frame support as shown.
2. Secure the plywood and lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 4-16. Frame support constructed

INSTALLING ENGINE SUPPORTS AND FRAME

4-6. Install the engine supports and the frame support as shown in Figures 4-17 and 4-18 using four 15-foot tiedown straps.





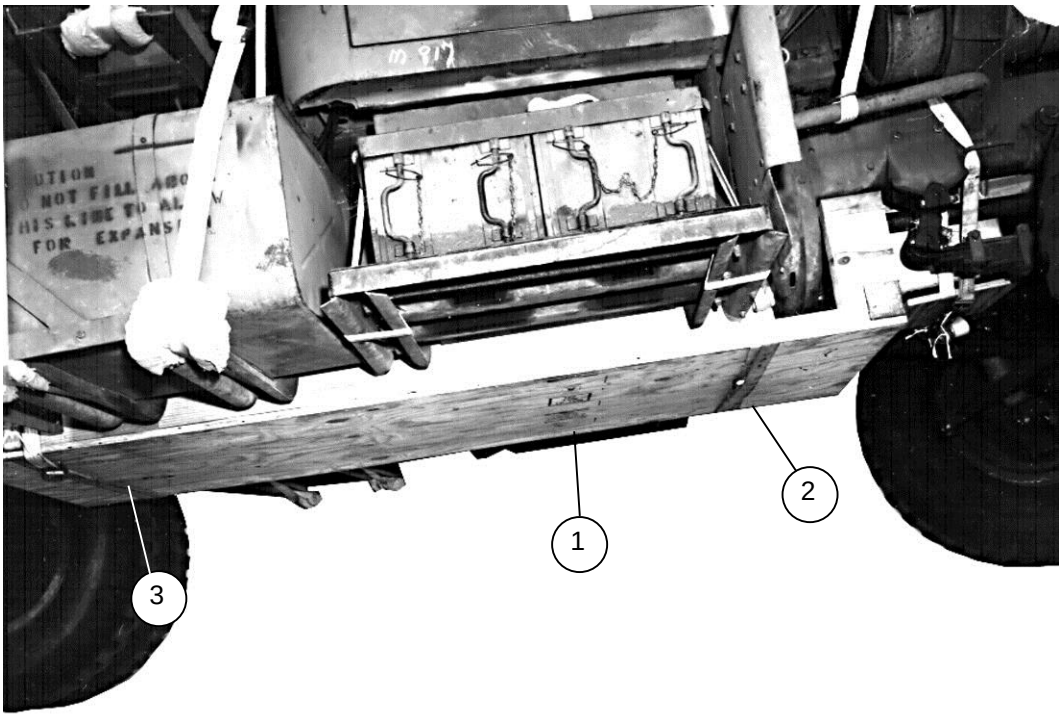
① Pass the end of a 15-foot tiedown strap around the right frame rail, under the front part of the oil pan, and around the left frame rail. Place a 12- by 12-inch piece of felt between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a second 15-foot tiedown strap as explained in step 1 above, except under the rear of the oil pan. Place a 12- by 12-inch piece of felt and a ¾- by 12- by 12-inch piece of plywood between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-17. Engine supports installed

CAUTION

Ensure the frame support is not placed on hydraulic lines.



① Position the frame support under the mainframe as shown.

② Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass one end of the strap around one mainframe rail near the front of the frame support. Pass the other end of the strap under the frame support and around the other mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Install a second 30-foot tiedown strap near the rear of the frame support, adapting the procedures in step 2 above.

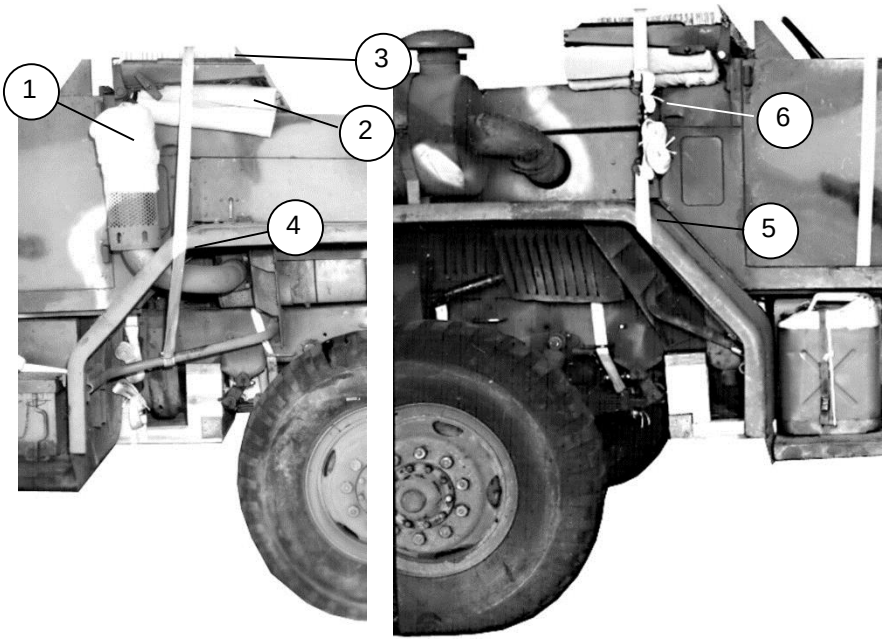
Note. Position the load binders on the side of the frame support so that load binders will not touch the honeycomb stack.

Figure 4-18. Frame support installed

PREPARING TRUCK

4-7. Prepare the truck as shown in Figure 4-19 on the following pages and as described below.

- Make sure the fuel tank is not more than ½ full.
- Make sure the fire extinguisher is charged and the safety pin is secured. Pad the fire extinguisher, and secure it to the vehicle.
- Fill the toolbox and the tool stowage box with scrap honeycomb or cellulose wadding.



① Cover the exhaust pipe opening with cellulose wadding. Tape the wadding in place.

② Wrap a ¾-by 18- by 60-inch piece of plywood in cellulose wadding, and tape the wadding in place. Place the plywood on the hood of the truck.

③ Fold the windshield down on the plywood, and place a 24- by 60-inch piece of honeycomb on top of the windshield.

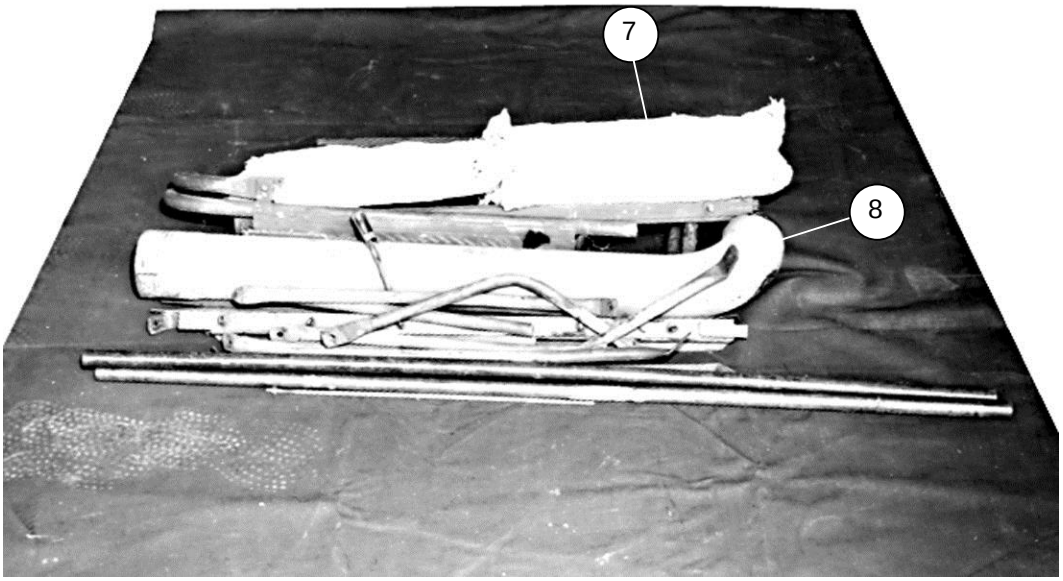
④ Pass the free end of a 15-foot tiedown strap around the right front fender brace and through its own D-ring. Pull the free end tight, and lay the strap across the honeycomb.

⑤ Pass the free end of a 15-foot tiedown strap around the left front fender brace and through its own D-ring. Pull the free end of the strap tight.

⑥ Secure the ends of the straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pad the fenders with cellulose wadding where the straps touch, and tape the wadding in place.

Figure 4-19. Truck prepared

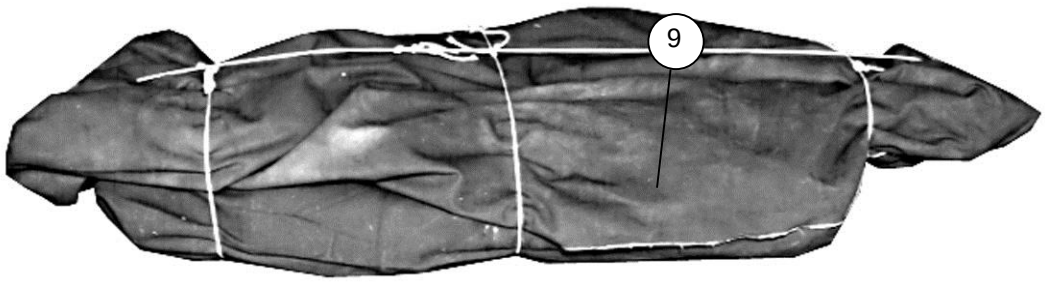


⑦ Wrap the mirror assemblies in cellulose wadding. Tape the wadding in place. Place the mirror assemblies on the cab top cover.

⑧ Place the cab top frame and exhaust stack on the cab top cover. Pad the sharp edges with cellulose wadding, and tape the wadding in place.

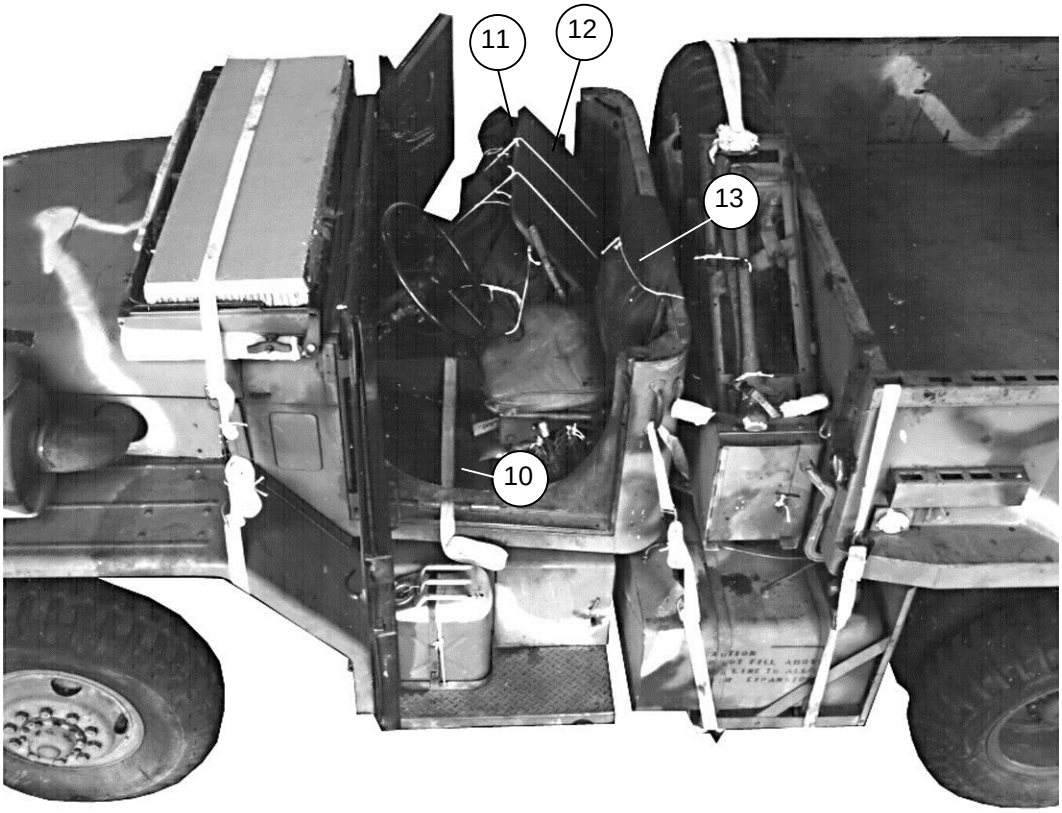
Note. Other small components may be placed on the cab top cover.

Figure 4-19. Truck prepared (continued)



⑨ Wrap the cab top cover the items placed on it. Tie the cover in place with type III nylon cord.

Figure 4-19. Truck prepared (continued)



⑩ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the strap across the cab floor, and pass the ends of the strap through the slots in the door frame.

⑪ Place the items wrapped in the cab top cover on the cab seats.

⑫ Fold the back of the passenger seat down against the cab top cover. Tie the back of the seat against the cover with type III nylon cord.

⑬ Tie the driver seat to the truck with type III nylon cord.

Figure 4-19. Truck prepared (continued)



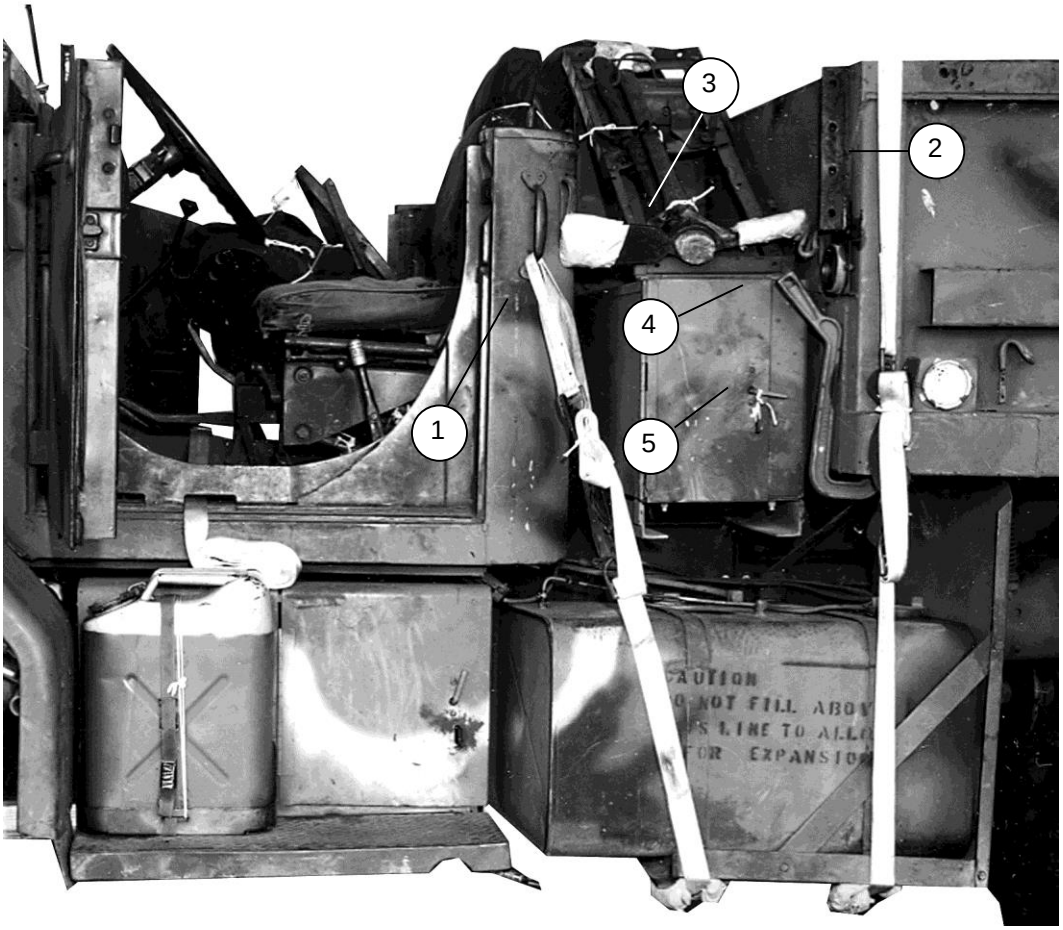
⑭ Close the truck doors.

⑮ Pass the ends of the 30-foot tiedown strap over the cab doors. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑯ Place the fuel or water can in its storage bracket, and fasten the retainer strap. Tie the can in place with type III nylon cord.

⑰ Tie the tool storage box closed with type III nylon cord.

Figure 4-19. Truck prepared (continued)



① Pass the free end of a 15-foot tiedown strap through the handhold handle, through the front fuel tank hanger using the first side rack socket, and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install another 15-foot strap as explained in step 18 above using the second side track socket and the rear fuel tank hanger.

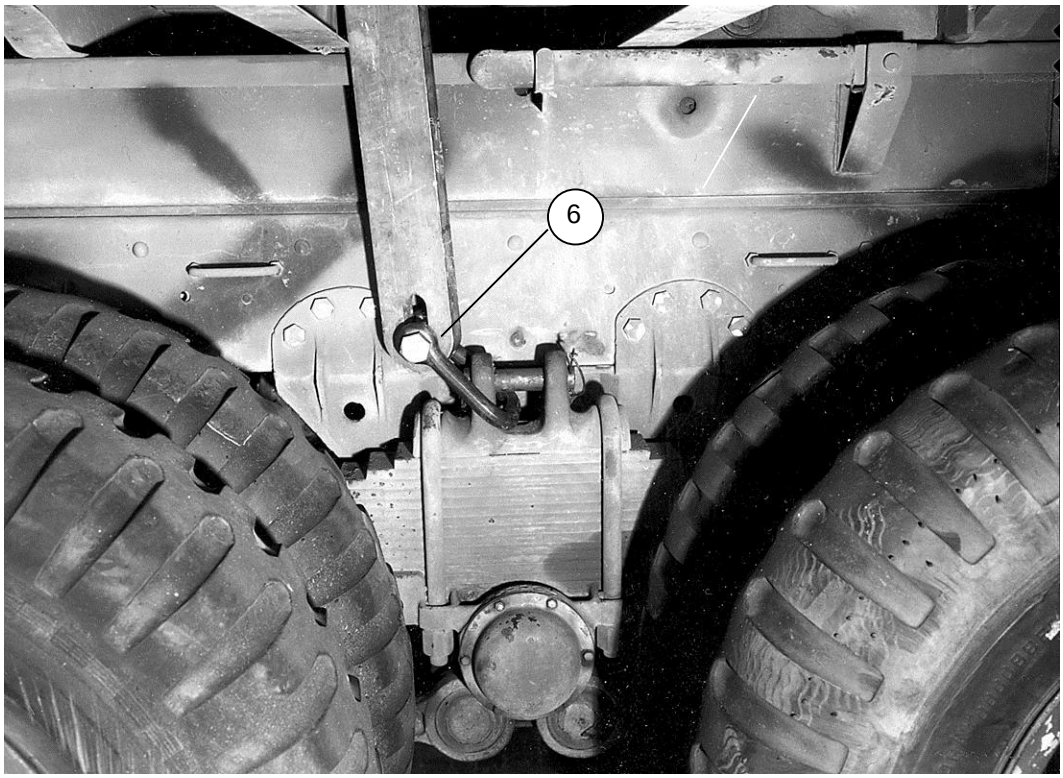
③ Place the pioneer tools in their bracket, and tie the tools in place with type III nylon cord.

④ Tie the tailgate control rod hand lever in place with a double length of type III nylon cord.

Note. Pad all sharp edges that the straps may touch with cellulose wadding.

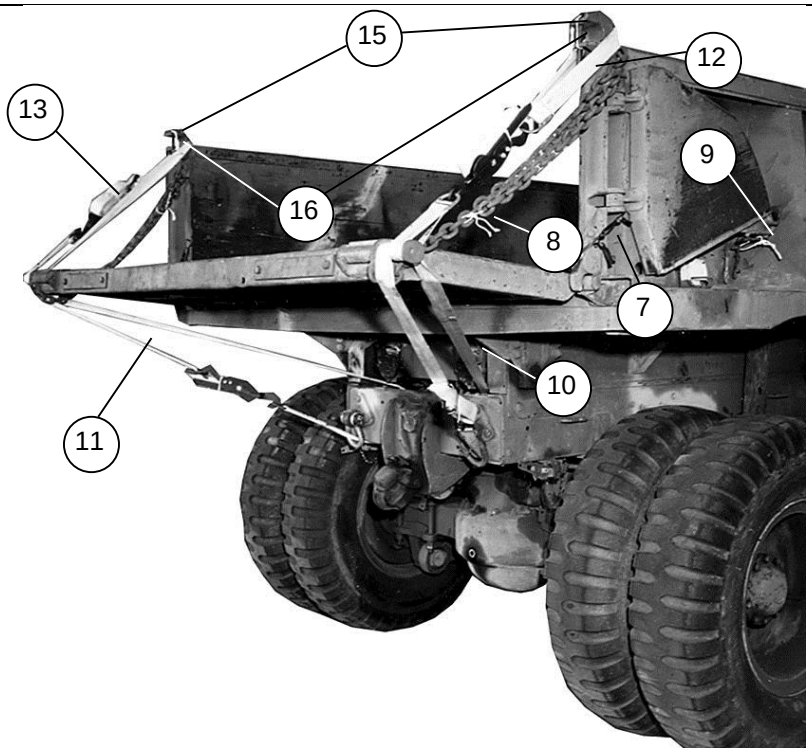
⑤ Tie the toolbox closed with type III nylon cord.

Figure 4-19. Truck prepared (continued)



⑥ Lower a suspension extension bracket down through one access hole in the body of the truck. Bolt the bracket to the spring saddle with a large suspension clevis. Bolt a second bracket to the spring saddle on the opposite side of the truck in the same way.

Figure 4-19. Truck prepared (continued)



⑦ Tie the lower tailgate hinges closed with ½-inch tubular nylon webbing.

⑧ Lower the tailgate, and hook the chains. Tie the chains to the body and tie the chains together with type III nylon cord.

⑨ Push the tailgate wings against the body and secure the wings with their hooks. Tie the wings in place with type III nylon cord.

⑩ Run a 15-foot tiedown strap around the upper hinge pin, around the rear mainframe cross member, and through the lifting shackle. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑪ Run a 15-foot tiedown strap as explained in step 27 above on the other side of the truck.

⑫ Run a 15-foot tiedown strap around the upper hinge bracket and the upper tailgate hinge pin. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

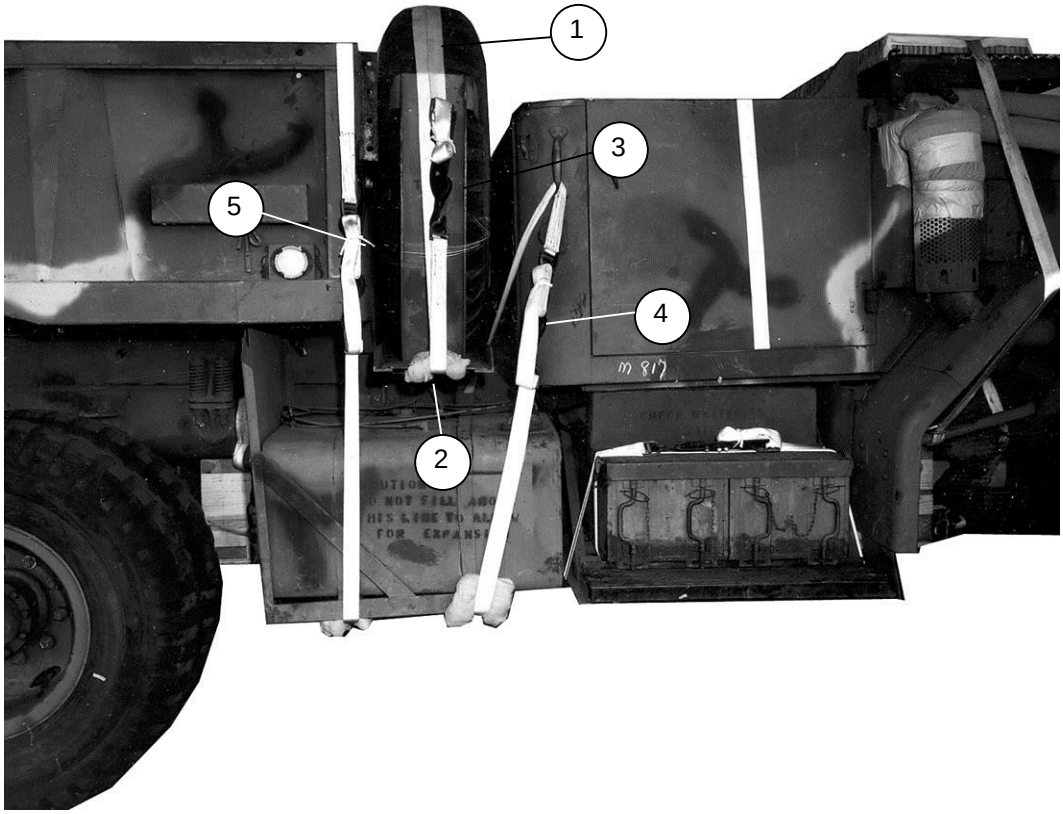
⑬ Run a 15-foot tiedown strap as explained in step 29 above on the other side of the truck.

⑭ Wrap the upper tiedown straps and the tailgate chains with cellulose wadding. Tape the wadding in place.

⑮ Bolt a large suspension clevis to each upper tailgate hinge bracket.

⑯ Tie each upper hinge bracket retaining pin its bracket with type III nylon cord.

Figure 4-19. Truck prepared (continued)



① Pass the free end o f a 15-foot tiedown strap around the top of the spare tire support bracket. Lay the strap over the tire.

② Pass the free1nd of the strap around the spare tire support clamp assembly.

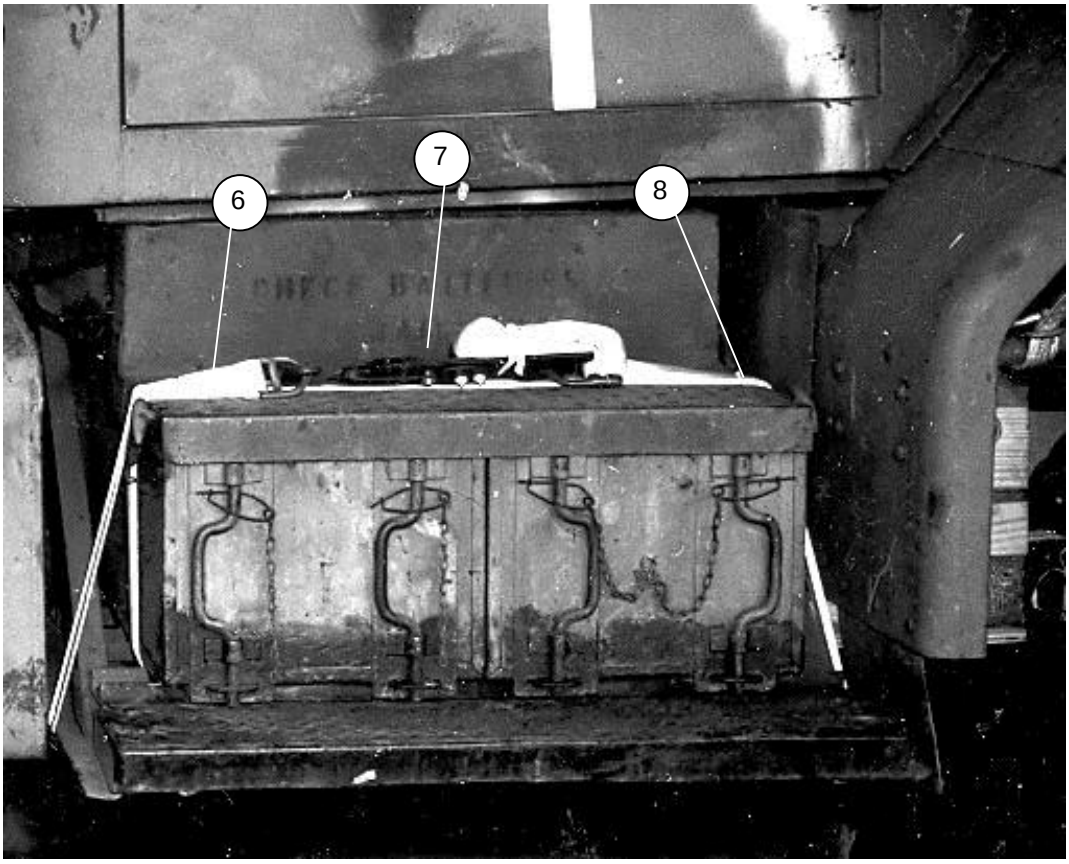
③ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Pass the free end of a 15-foot tiedown strap through the handhold handle, through the front fuel tank hanger, and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Install a 15-foot tiedown strap as explained in step 37 above using the first side rack socket and the rear fuel tank hanger.

Note. Pad all sharp edges that the straps may touch with cellulose wadding.

Figure 4-19. Truck prepared (continued)

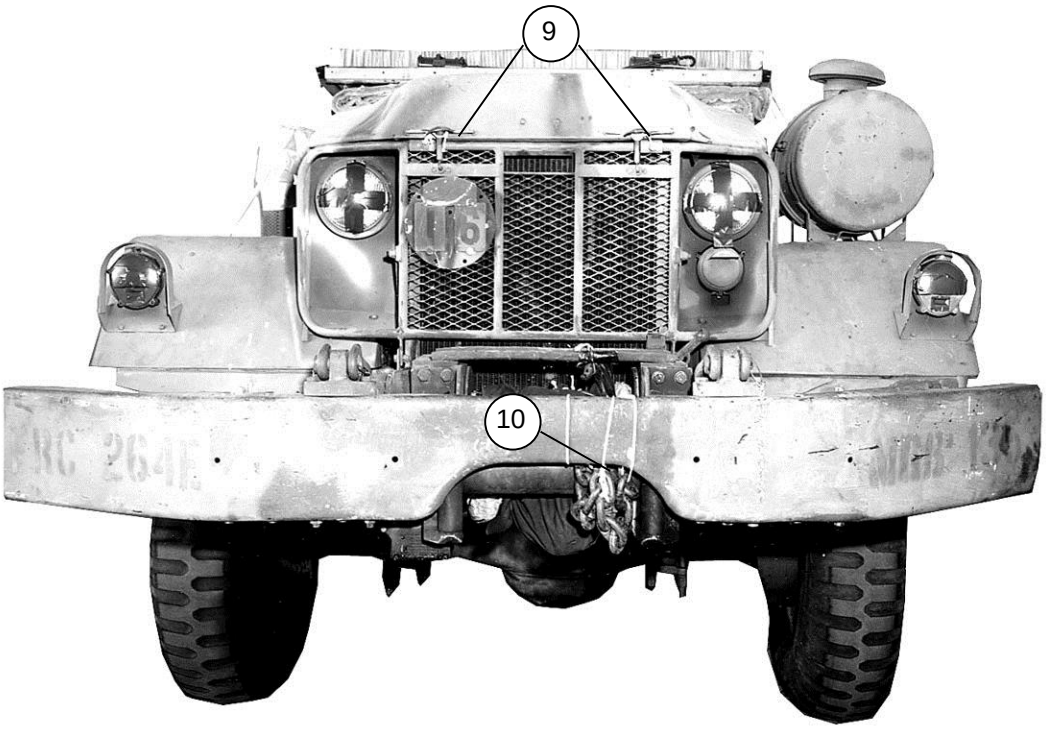


⑥ Pass one end of a 15-foot tiedown strap around the rear running board support and back to the top of the battery box.

⑦ Pass the other end of the strap around the front running board support and back to the top of the box.

⑧ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-19. Truck prepared (continued)



⑨ Tie the hood closed with type III nylon cord.

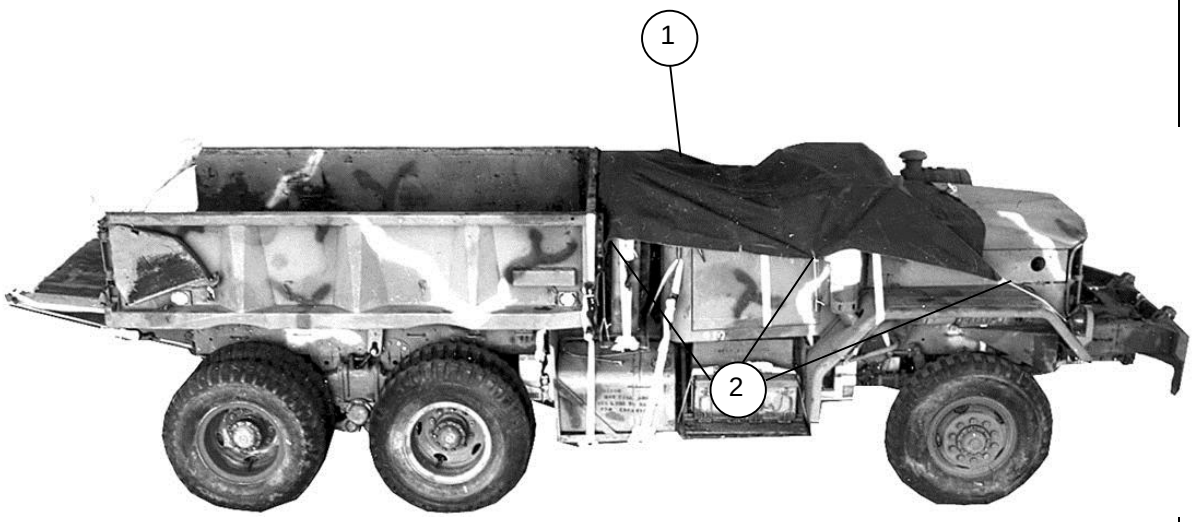
⑩ If the truck is equipped with a winch, tie the hook to the bumper with type III nylon cord.

Figure 4-19. Truck prepared (continued)

INSTALLING LOAD COVER

4-8. Install the load cover as described below.

- Place the transmission gearshift lever in the neutral position
- Make sure that the hand brake control lever is in the release position
- Tie an 8- by 12-foot piece of duck cloth (load cover) over the front of the truck as shown in Figure 4-20.



① Cover the cab and hood of the truck with an 8- by 12-foot piece of cotton duck cloth.

② Tie the cover in place with type III nylon cord.

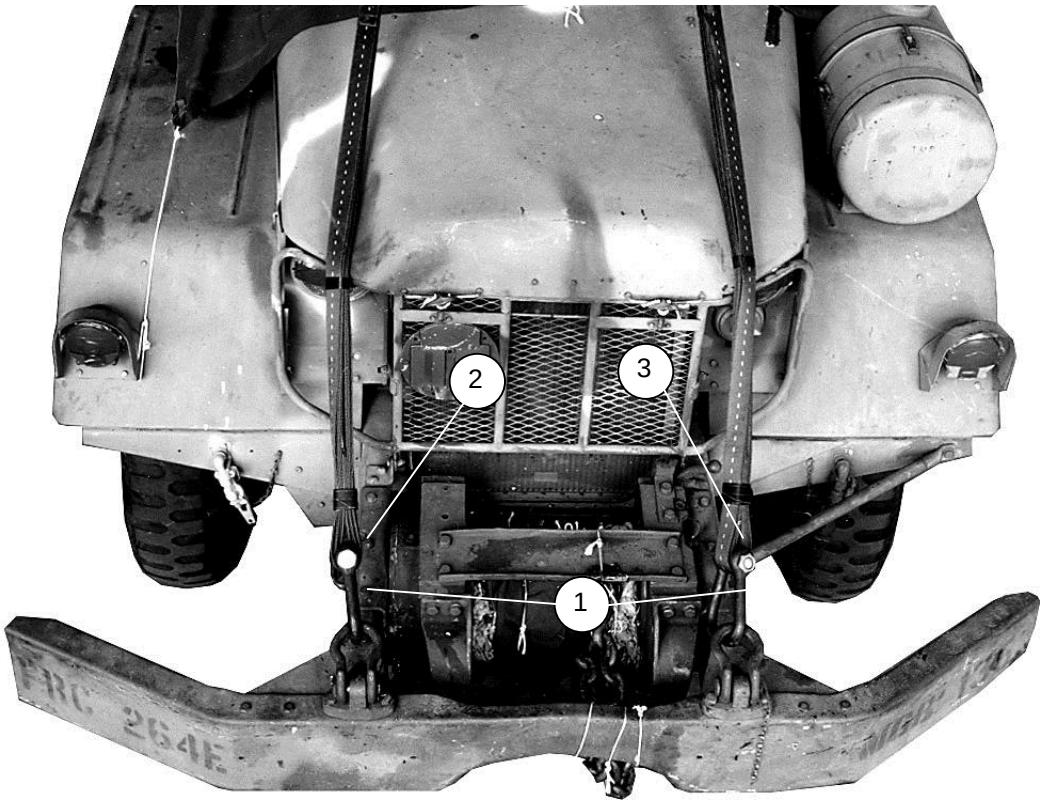
Figure 4-20. Load cover installed

POSITIONING TRUCK

4-9. Position the truck as described below.

- Install two 12-foot (4-loop), type XXVI nylon webbing slings on the rear suspension brackets.
- Install two 16-foot (4-loop) type XXVI nylon webbing slings on the front suspension clevises.
- Install the lifting slings as shown in Figure 4-21

Note. Other slings of equal or greater strength may be used to lift the truck.

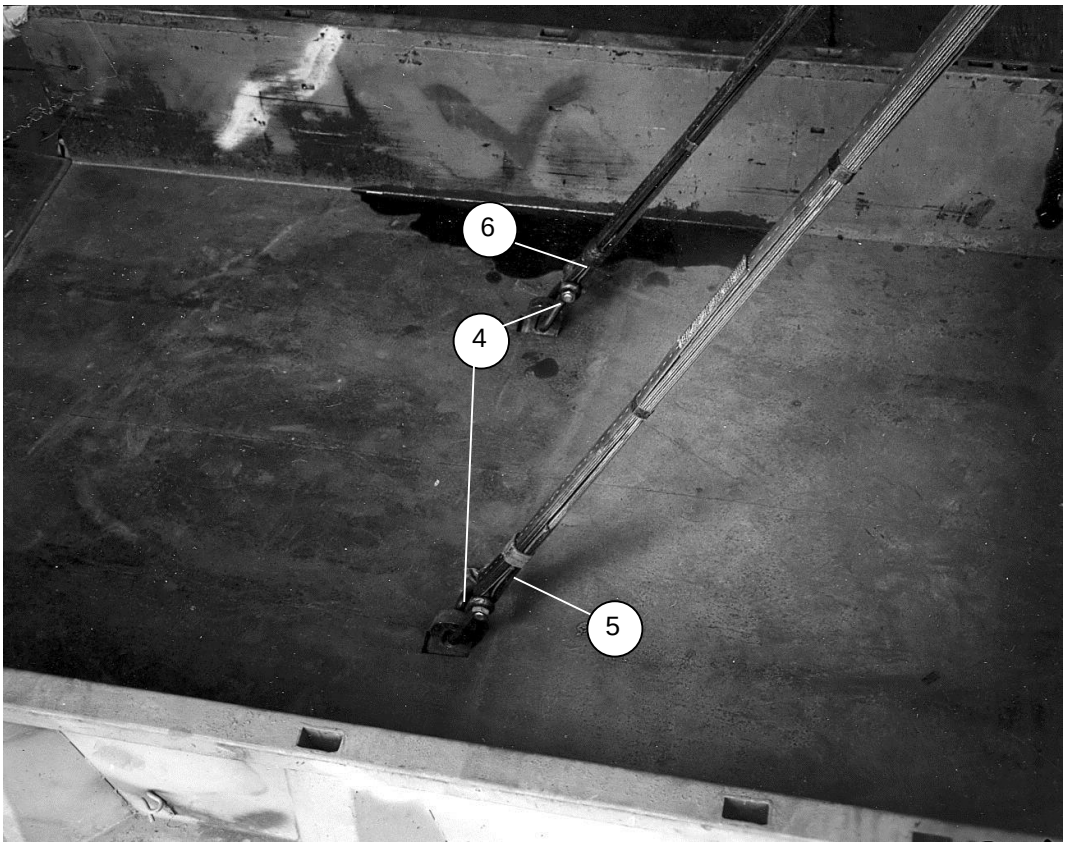


① Fit a large suspension clevis on each front lifting shackle.

② Attach the end of a 16-foot (4-loop), type XXVI nylon webbing sling to a front lifting shackle with a large clevis.

③ Bolt a second sling to the other front lifting shackle as described in step 2 above.

Figure 4-21. Lifting slings installed



④ Fit a large suspension clevis on each suspension extension bracket in the rear of the truck.

⑤ Attach the end of a 12-foot (4-loop), type XXVI nylon webbing sling to one of the large suspension clevises.

⑥ Attach a second 12-foot sling to the suspension clevis on the opposite side of the truck.

Figure 4-21. Lifting slings installed (continued)

Position the truck on the honeycomb stacks as shown in Figure 4-22

Note. The honeycomb stacks may need to be adjusted slightly when the truck is positioned on the stacks.



① Lift the truck with the lifting slings, and position it on the honeycomb stacks with the front axle centered on stack 2 and mainframe support centered on stack 3.

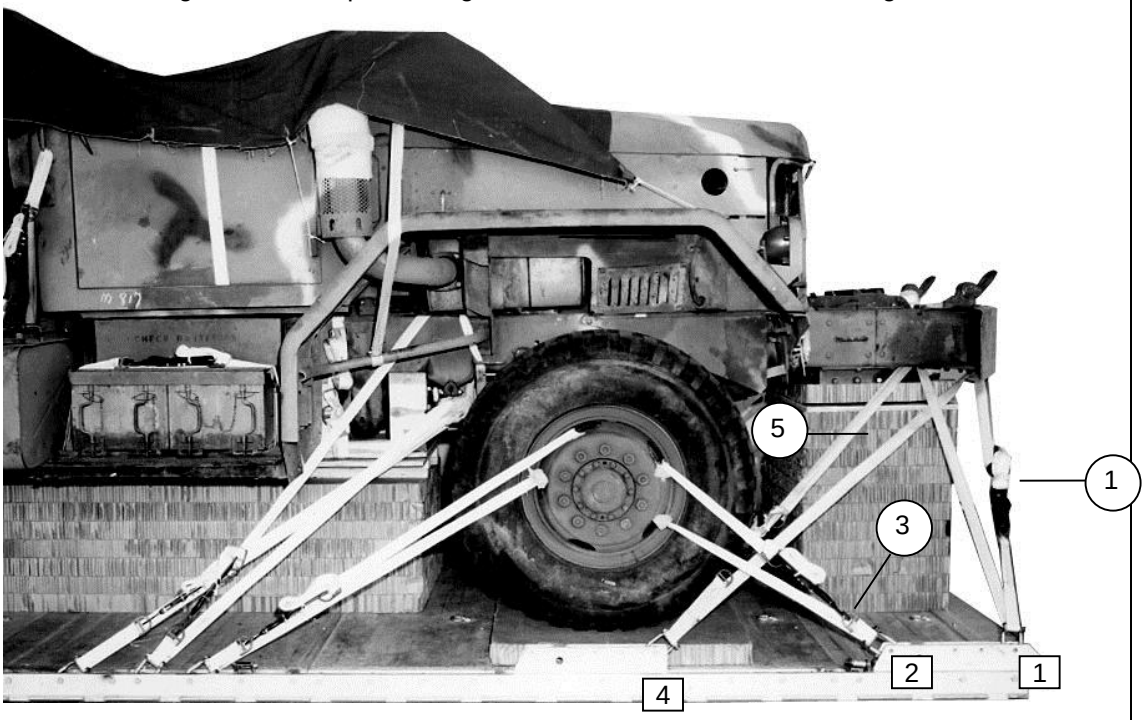
Note. The front and rear overhang may vary with the series of truck. The truck shown above has no overhang in the front and a 27-inch overhang in the rear.

Figure 4-22. Truck positioned (continued)

INSTALLING LASHINGS

4-10. Lash the truck to the platform using thirty-eight 15-foot tiedown straps, 38 D-rings and load binders as shown in Figures 4-23 through 4-27 on the following pages. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

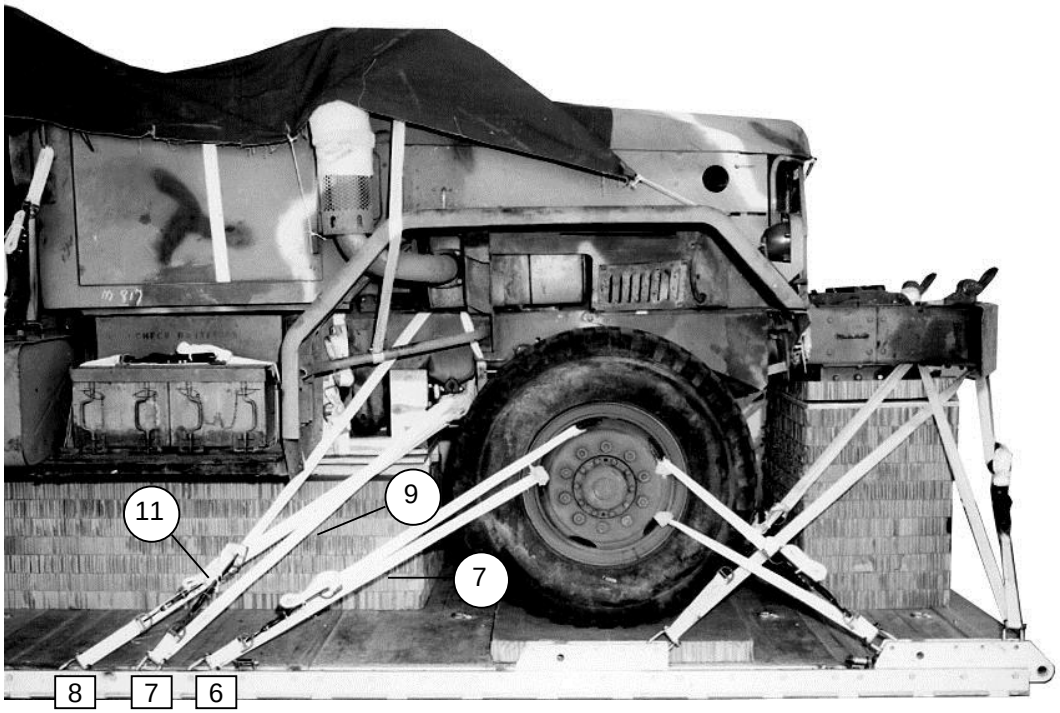
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
1	1	Around the front bumper, inside the lifting shackle, right side.
2	1A	Around the front bumper, inside the lifting shackle, left side.
3	2	Through the front wheel, right side.
4	2A	Through the front wheel, left side.
5	4	Around the front bumper, inside the lifting shackle, right side.
6	4A	Around the front bumper, inside the lifting shackle, left side.

Figure 4-23. Lashings 1 through 6 installed

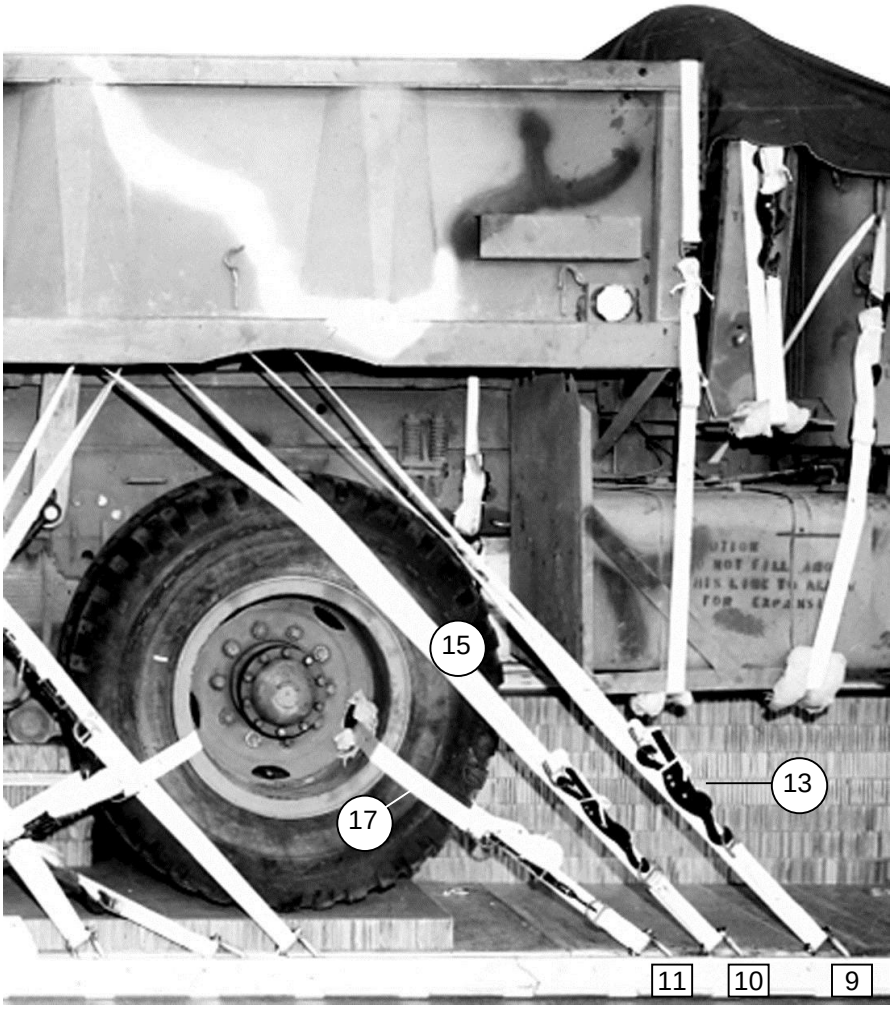
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
7	6	Through the front wheel, right side.
8	6A	Through the front wheel, left side.
9	7	Around the mainframe, in front of the spring bracket, right side.
10	7A	Around the mainframe, in front of the spring bracket, left side,
11	8	Around the top of the spring bracket, right side.
12	8A	Around the top of the spring bracket, left side.

Figure 4-24. Lashings 7 through 12 installed

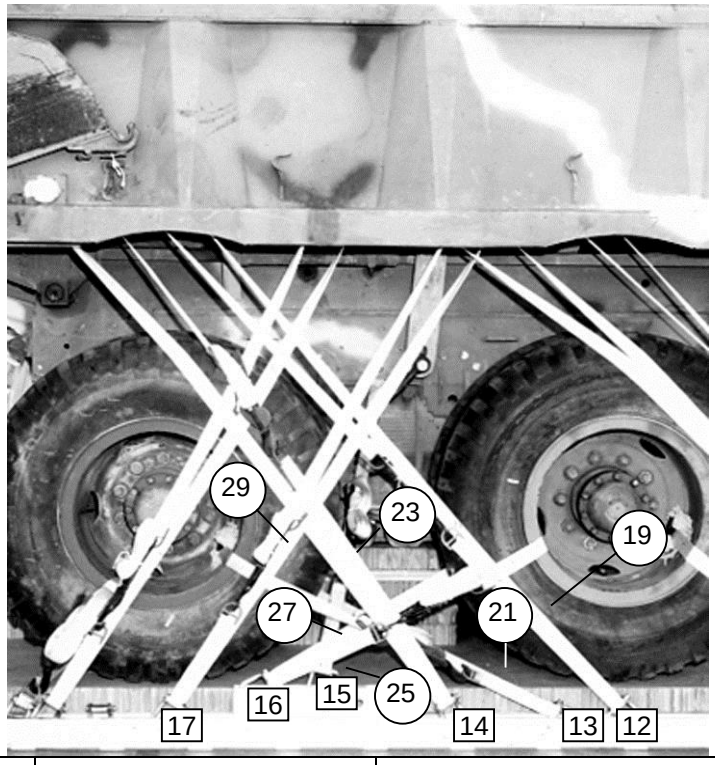
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
13	9	Around the third body support, right side.
14	9A	Around the third body support, left side.
15	10	Around the fourth body support, right side.
16	10A	Around the fourth body support, left side.
17	11	Around the front outside dual wheel, right side.
18	11A	Around the front outside dual wheel, left side.

Figure 4-25. Lashings 13 through 18 installed

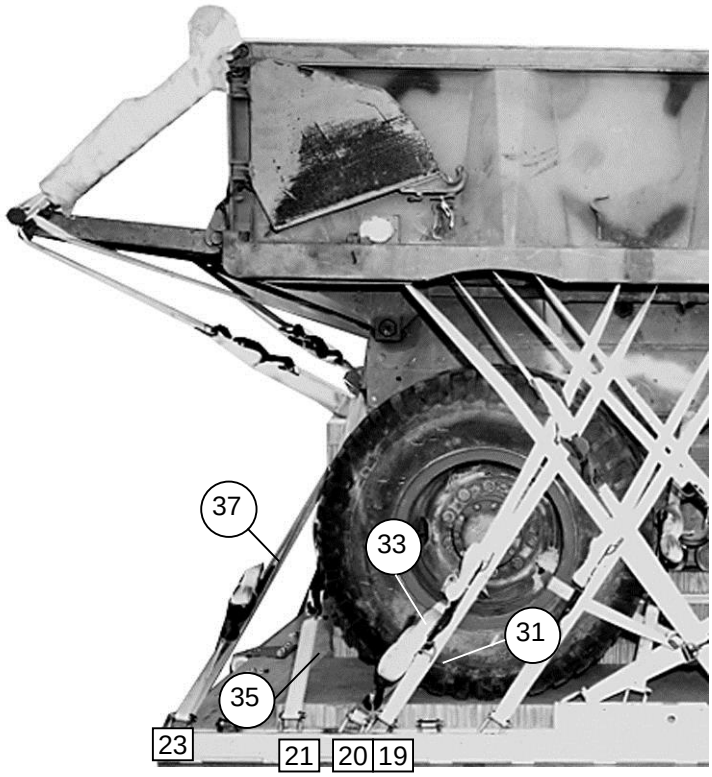
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
19	12	Around the sixth body support, right side.
20	12A	Around the sixth body support, left side.
21	13	Around the rear outside dual wheel, right side.
22	13A	Around the rear outside dual wheel, left side.
23	14	Around the seventh body support, right side.
24	14A	Around the seventh body support, left side.
25	15	Around the spring saddle, right side.
26	15A	Around the spring saddle, left side.
27	16	Around the front outside dual wheel, right side.
28	16A	Around the front outside dual wheel, left side.
29	17	Around the fourth body support, right side.
30	17A	Around the fourth body support, left side.

Figure 4-26. Lashings 19 through 30 installed

Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
31	19	Around the fifth body support, right side.
32	19A	Around the fifth body support, left side.
33	20	Around the rear outside dual wheel, right side.
34	20A	Around the rear outside dual wheel, left side.
35	21	Through the rear towing shackle, right side.
36	21A	Through the rear towing shackle, left side.
37	23	Through the towing pintle.
38	23A	Through the towing pintle.

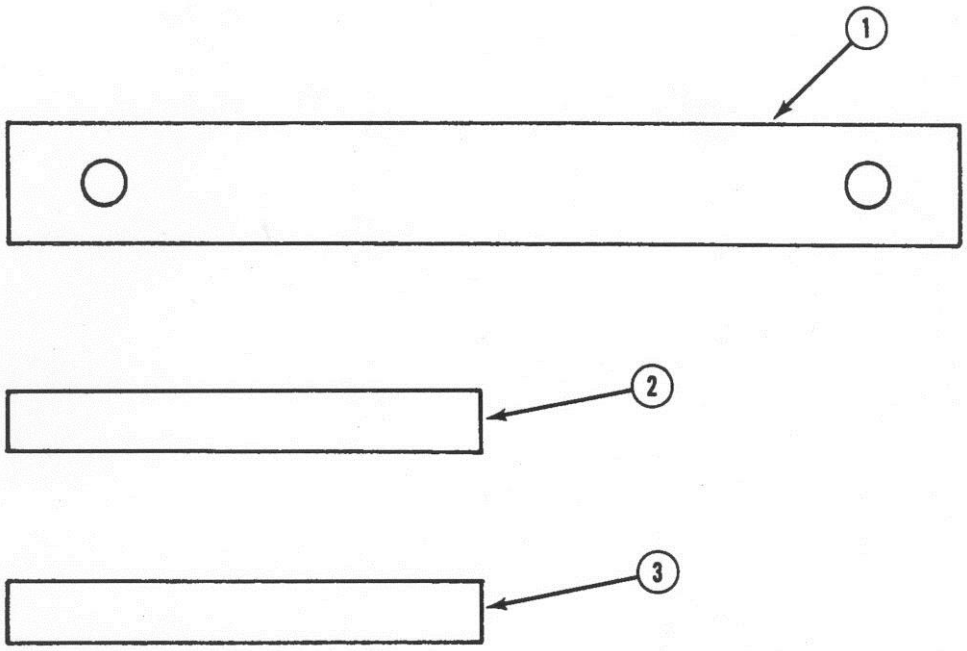
Figure 4-27. Lashings 31 through 38 installed

BUILDING SUSPENSION SLING SPREADERS

4-11. Build two front and one rear suspension sling spreaders as described below.

- Build two front suspension sling spreaders as shown in Figures 4-28 and 4-29 on the following pages. One will be used for the right; one, for the left.
- Build a rear suspension sling spreader as shown in Figures 4-30 and 4-31 on pages 4-41 and 4-42.

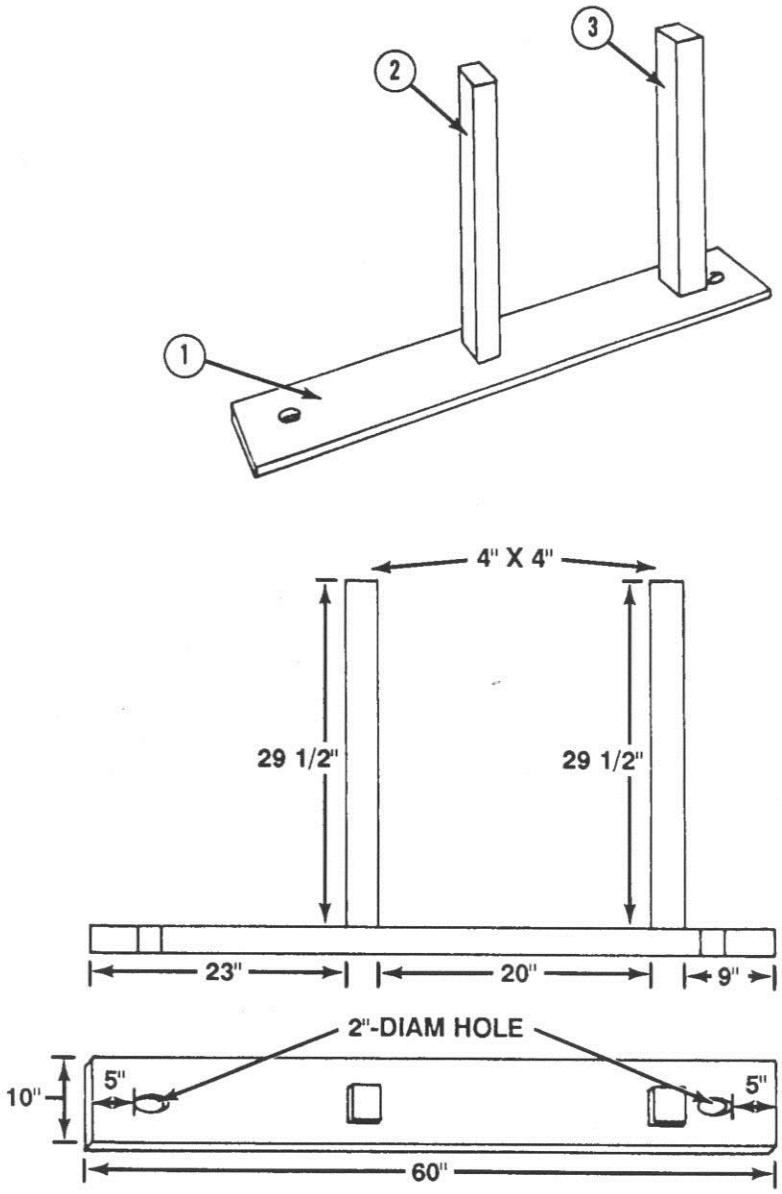
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾ (actual)	60	2- by 10 lumber
2	1	3 ½ (actual)	29 ½	4- by 4- lumber
3	1	3 ½ (actual)	29 ½	4- by 4- lumber

Figure 4-28. Material required for each front suspension sling spreader

Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.

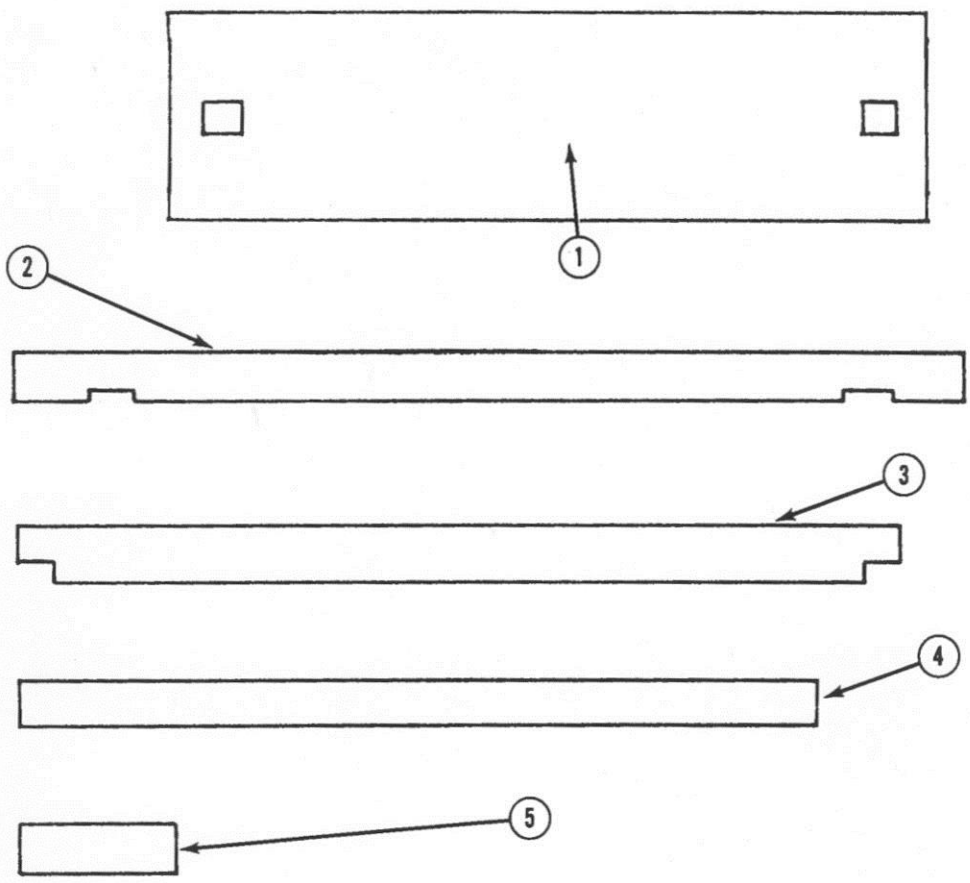


Steps:

1. Construct two front suspension sling spreaders.
2. Secure the 4- by 4-inch lumber in place, as shown, with sixteen penny nails.

Figure 4-29. Front suspension sling spreaders constructed

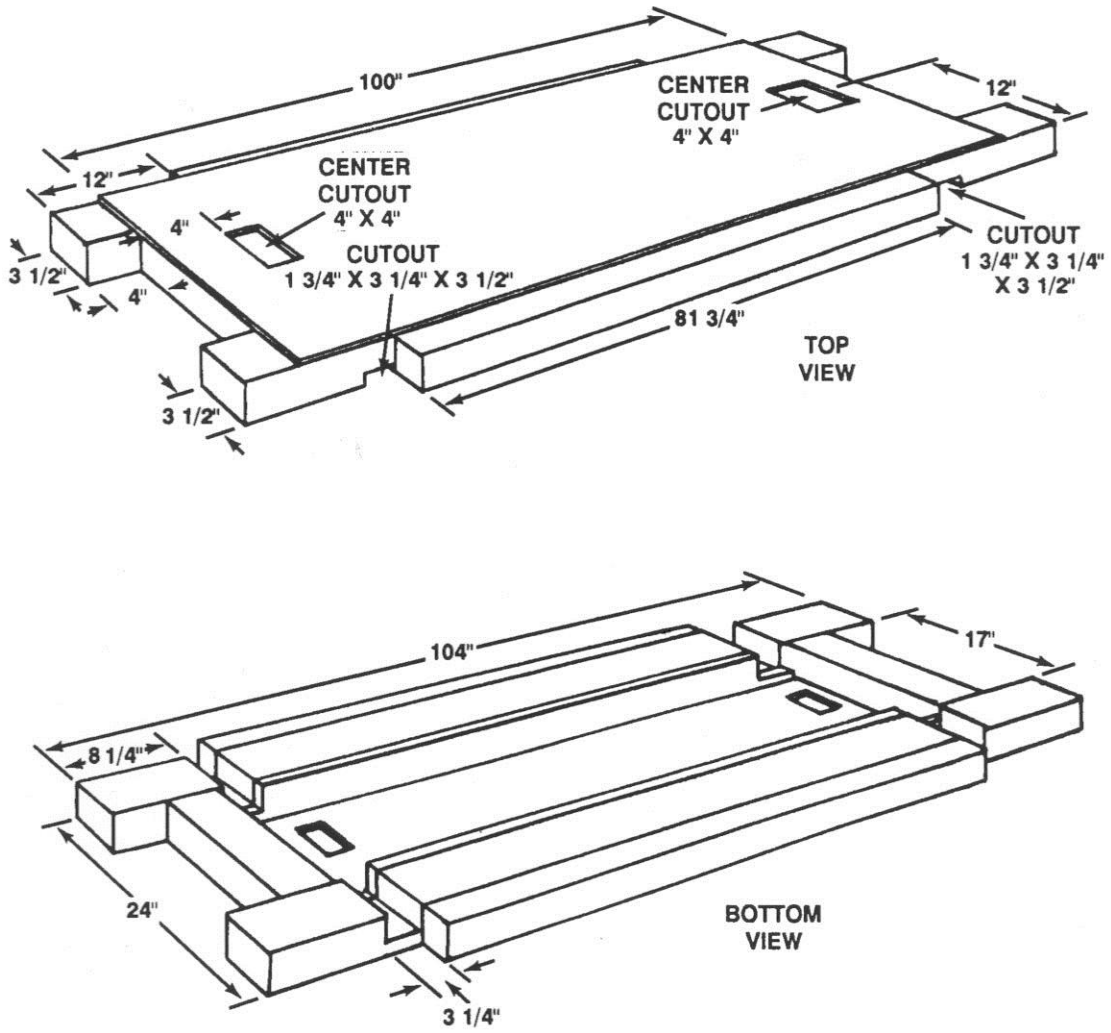
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	24	94 ½	3/4-inch plywood
2	2	3 ½ (actual)	104	4- by 4- inch lumber
3	2	1 ¾ (actual)	87 ½	2- by 4-inch lumber
4	2	1 ¾ (actual)	81 ¾	2- by 4-inch lumber
5	2	3 ½ (actual)	17	4- by 4- inch lumber

Figure 4-30. Material required for rear suspension sling spreader

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.



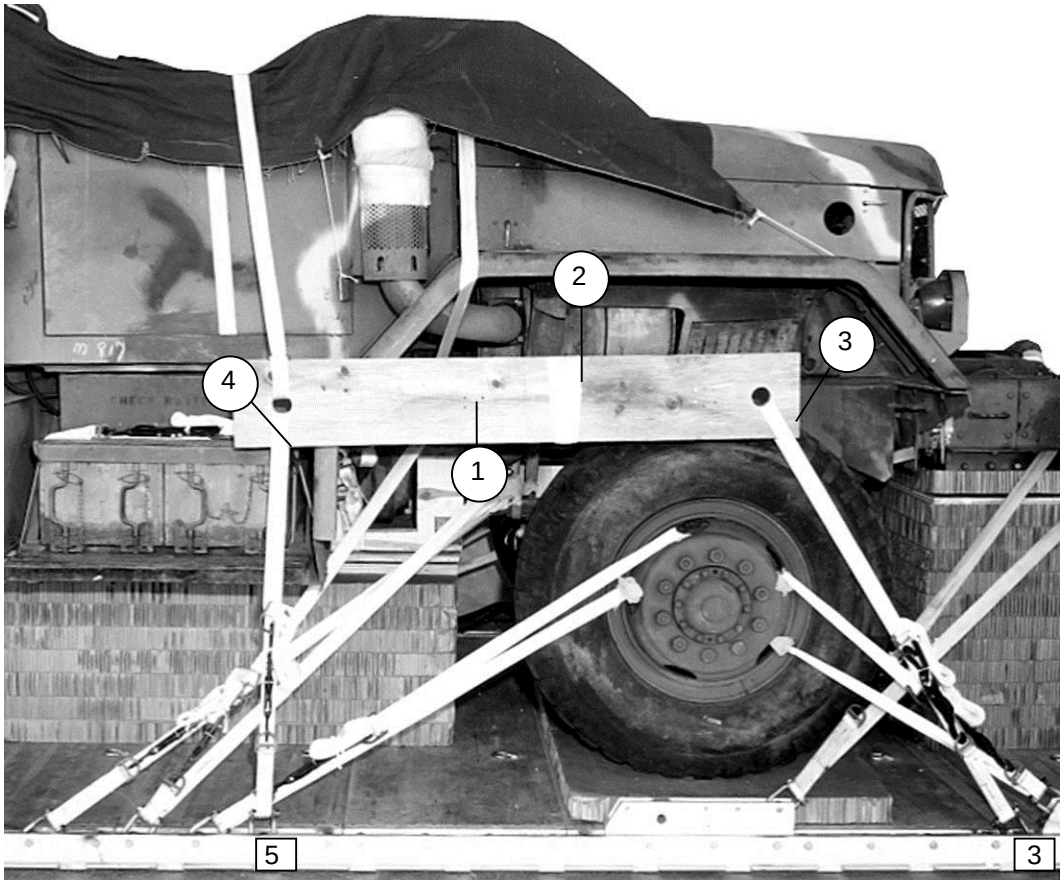
Steps:

1. Construct a rear suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 4-31. Rear suspension sling spreaders constructed

INSTALLING SUSPENSION SLING SPREADERS

4-12. Install the suspension sling spreaders as shown in Figures 4-32 and 4-33 on the following pages.



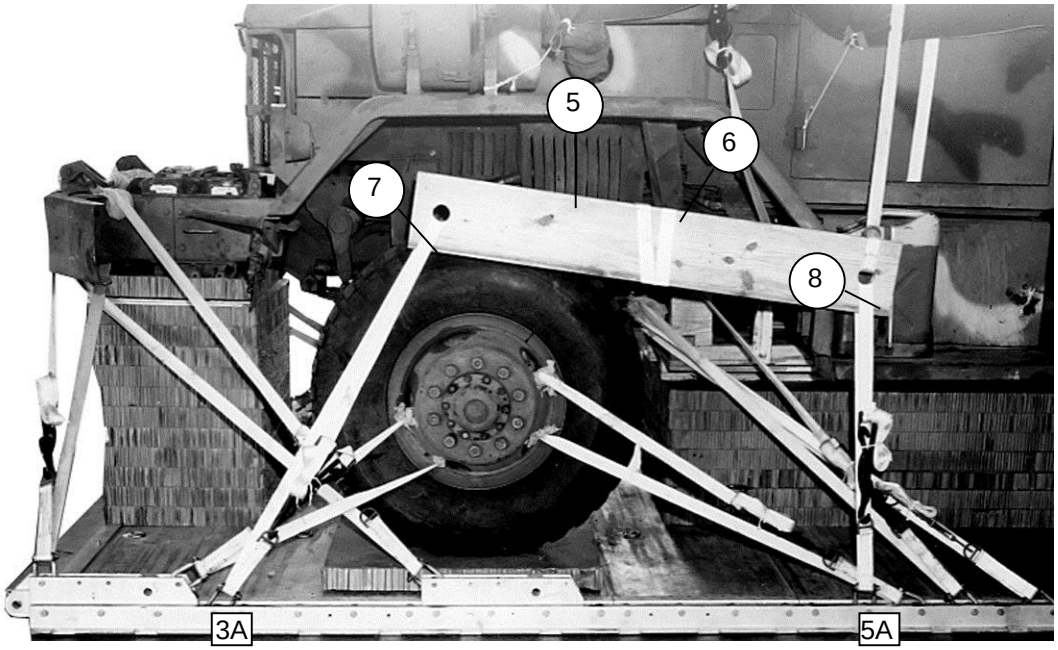
① Position the right front suspension sling spreader as shown.

② Pass the free end of a 15-foot tiedown strap through the third tiedown provision and around the center of the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass the free end of a 15-foot tiedown strap through the front hole in the sling spreader and clevis 3. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Pass the free end of a 15-foot tiedown strap through the rear hole in the sling spreader and clevis 5. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-32. Front suspension sling spreaders installed



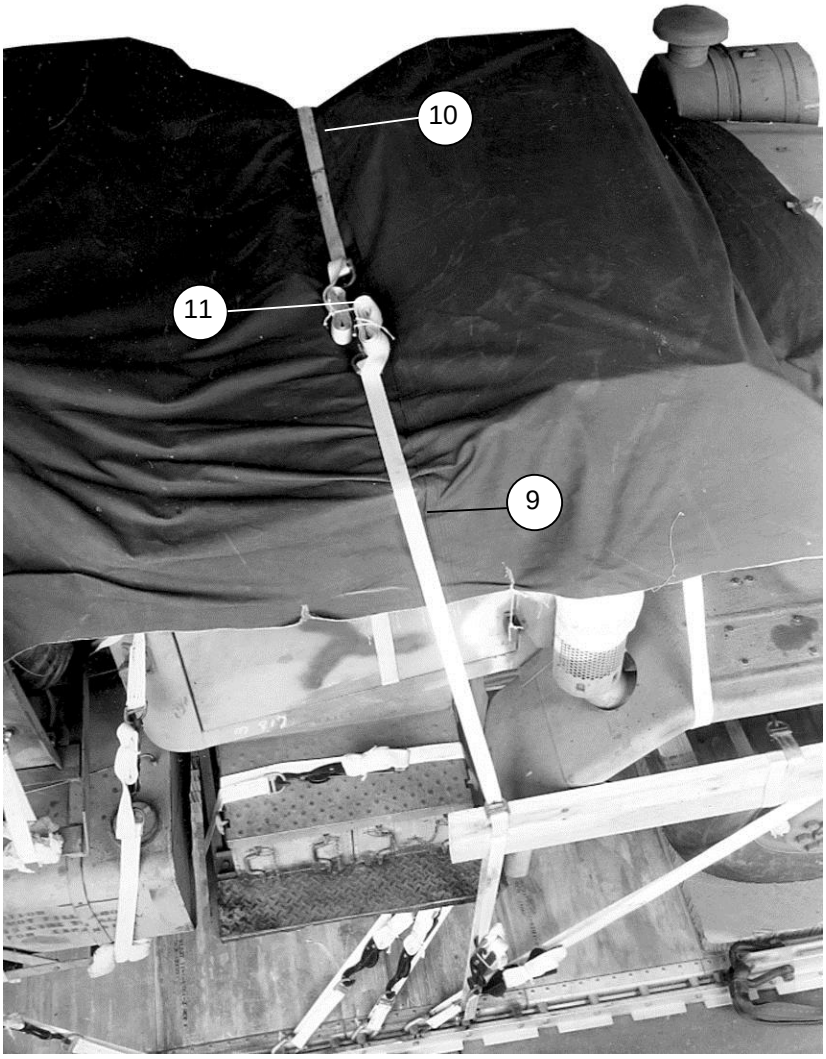
⑤ Position the left front suspension sling spreader as shown.

⑥ Pass the free end of a 15-foot tiedown strap through the third tiedown provision and around the center of the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑦ Pass the free end of a 15-foot tiedown strap through the front hole in the sling spreader and clevis 3A. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑧ Pass the free end of a 15-foot tiedown strap through the rear hole in the sling spreader and clevis 5A. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-32. Front suspension sling spreaders installed (continued)

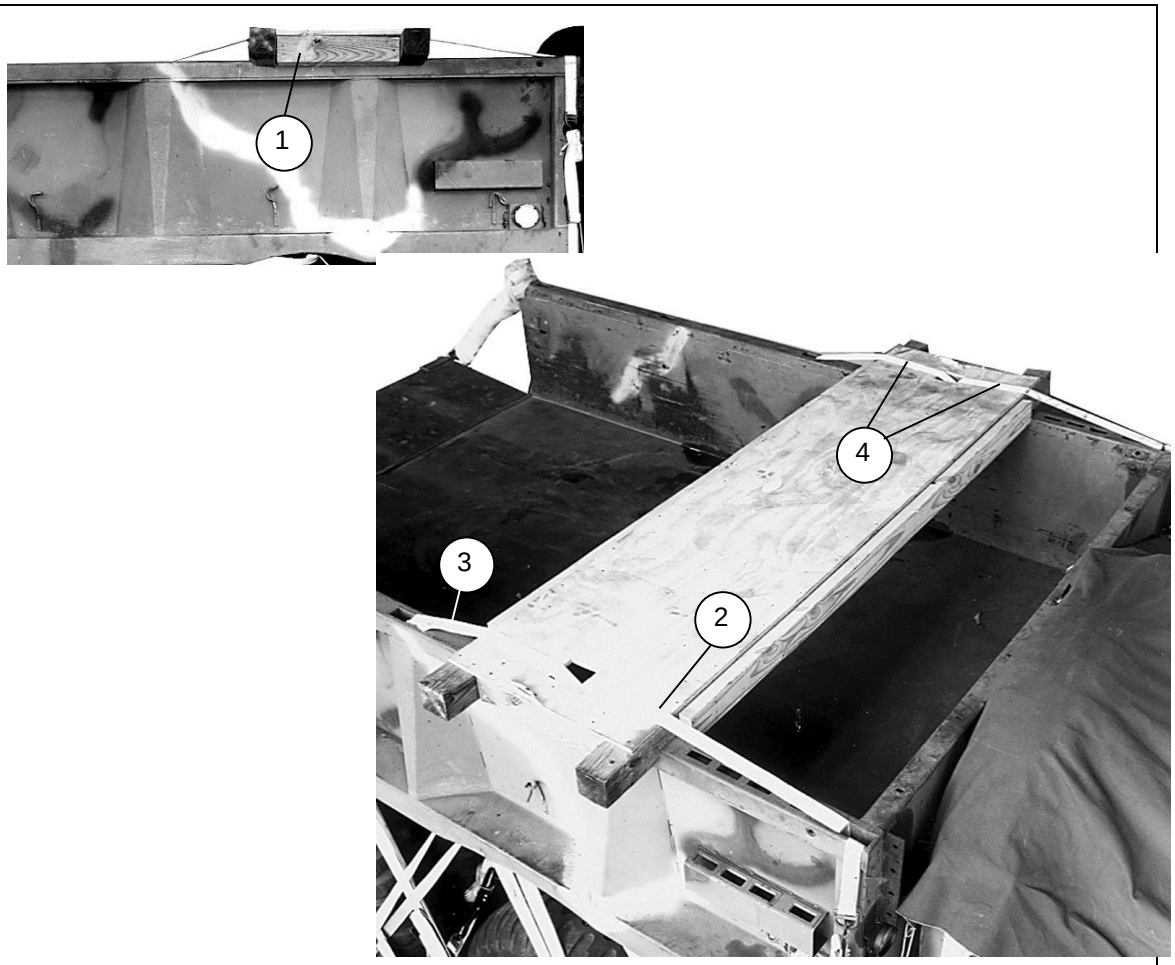


⑨ Pass the free end of a 15-foot tiedown strap through the rear hole in the right suspension sling spreader and through its own D-ring. Pass the end of the strap to the top of the load.

⑩ Pass the free end of a 15-foot tiedown strap through the rear hole in the left suspension sling spreader and through its own D-ring. Pass the end of the strap to the top of the load.

⑪ Secure the ends of the straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-32. Front suspension sling spreaders installed (continued)



① Center the rear suspension sling spreader on the body of the truck and over the front dual wheels, 23 inches from the front of the truck body.

② Pass the free end of a 15-foot tiedown strap up through the second side rack socket on the right side of the truck, through the hole in the suspension sling spreader, and down through the first side rack socket. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

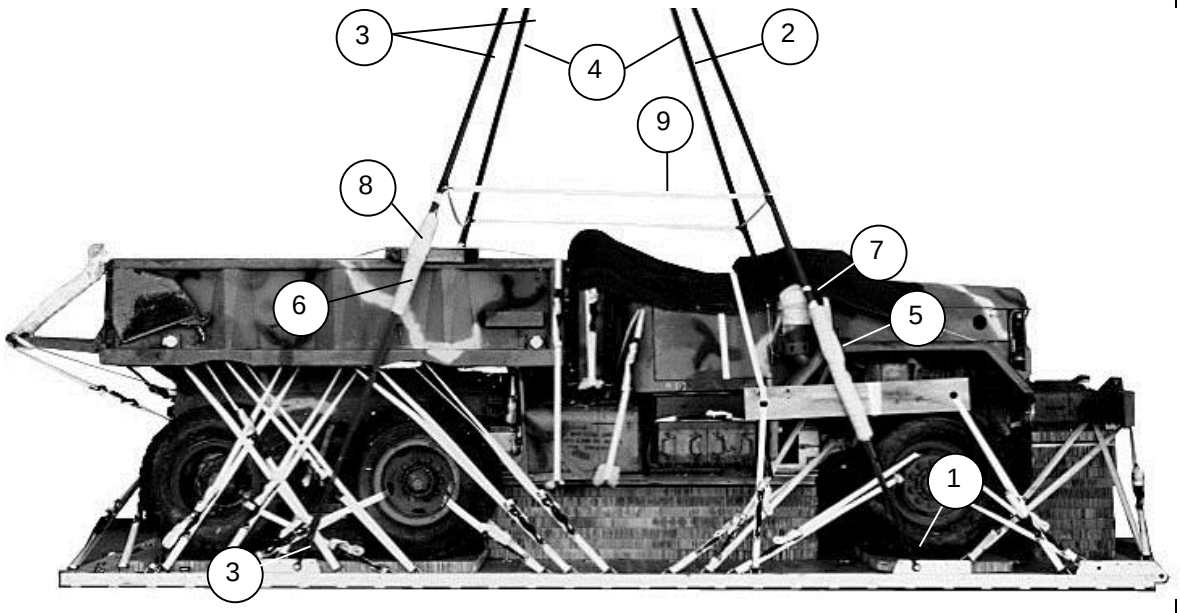
③ Pass the free end of a 15-foot tiedown strap up through the second side rack socket on the right side of the truck, through the hole in the suspension sling spreader, and down through the third side rack socket. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Secure the left of the suspension sling spreader by adapting the procedures in 2 and 3 above.

Figure 4-33. Rear suspension sling spreader installed

INSTALLING SUSPENSION SLINGS AND DEADMAN'S TIE

4-13. Install the suspension slings and deadman's tie as shown in Figure 4-34.



① Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the right front suspension link.

② Use a 20-foot, (4-loop), type XXVI nylon webbing sling to install the left front suspension sling as described in 1 above to the left front suspension link.

③ Use two 20-foot, (4-loop), type XXVI nylon webbing slings and adapt the procedures in 1 and 2 above to install the rear suspension slings to the rear suspension links.

④ Pull the suspension slings tight above the load.

⑤ a 24- by 35-inch piece of felt around each front suspension sling 30 inches from the large clevis. Tape the felt in place.

⑥ Wrap a 24- by 36-inch piece of felt around each rear suspension sling 65 inches from the clevis. Tape the felt in place.

⑦ Tie each front suspension sling to the windshield tiedown strap with type III nylon cord.

⑧ Tie each rear suspension sling to the rear suspension sling spreader with type III nylon cord.

⑨ Install a deadman's tie according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

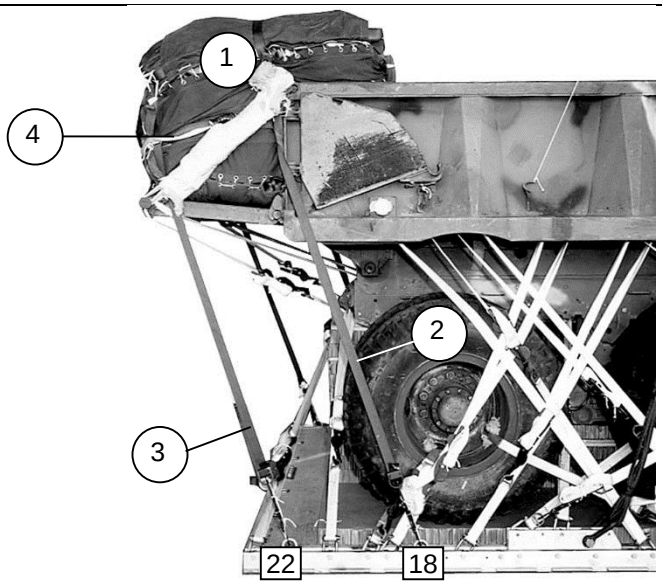
Figure 4-34. Suspension slings and deadman's tie installed

STOWING CARGO PARACHUTES

4-14. Stow six G-11C cargo parachutes on the truck as shown in Figure 4-35.

NOTICE OF EXCEPTION

The parachute requirements and the parachute restraint straps in this paragraph are not in accordance with those in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Six G-11C cargo parachutes and type X nylon webbing used as restraint straps are authorized to be used with this load. Follow the procedures shown here.



① Prepare and position six G-11C cargo parachutes in the rear of the truck as shown. Each parachute requires a 120-foot riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a 10-yard type X nylon webbing parachute restraint strap over the center of the cargo parachutes, adapting the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 for eight parachutes. Secure the ends of the strap to tiedown clevises 18 and 18A.

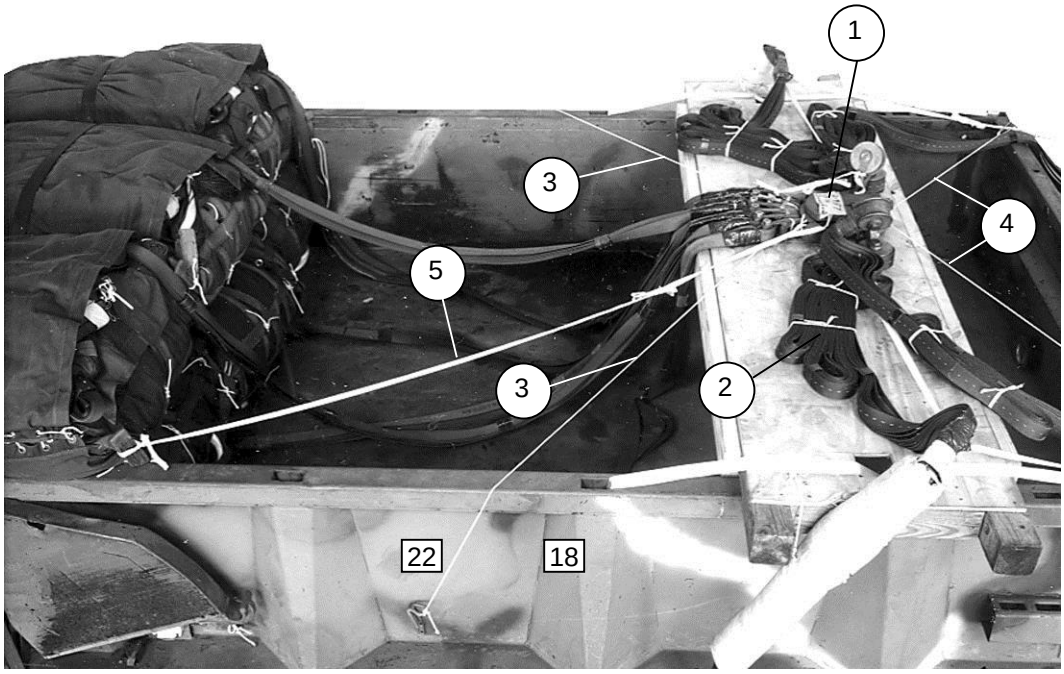
③ Install a 10-yard, type X nylon webbing parachute restraint strap at the top of the parachutes, adapting the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 for eight parachutes. Secure the ends of the strap to tiedown clevises 22 and 22A.

④ Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-35. Six G-11C cargo parachutes installed

INSTALLING RELEASE SYSTEM

4-15. Install the release system as shown in Figure 4-36.



① Prepare an M-2 cargo parachute release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on the rear suspension sling spreader.

② Fold the suspension slings and secure the folds with single turns of type I, ¼-inch cotton webbing.

③ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

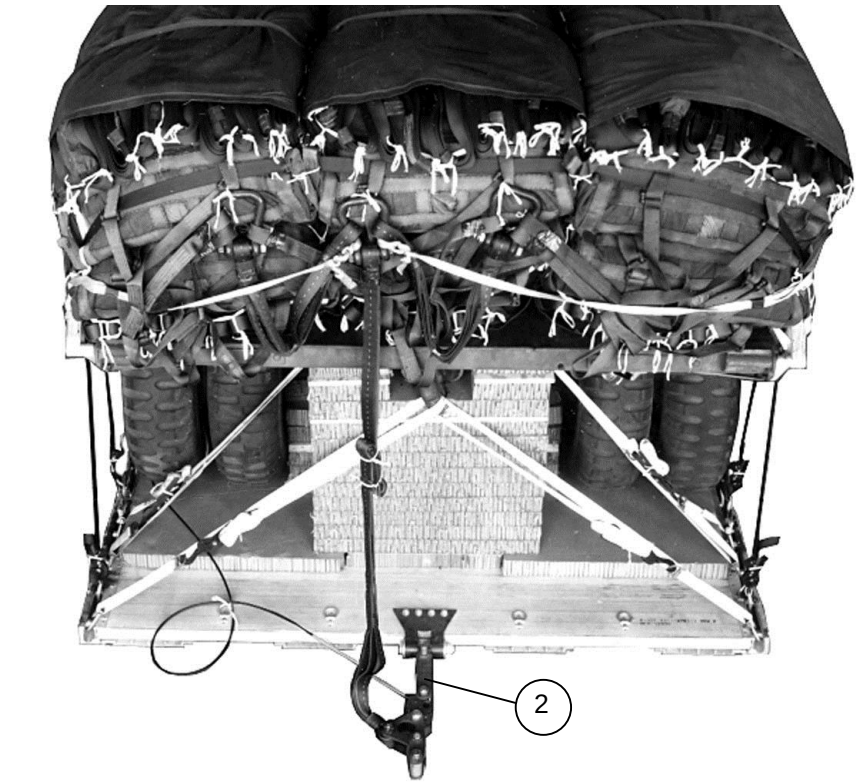
④ Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

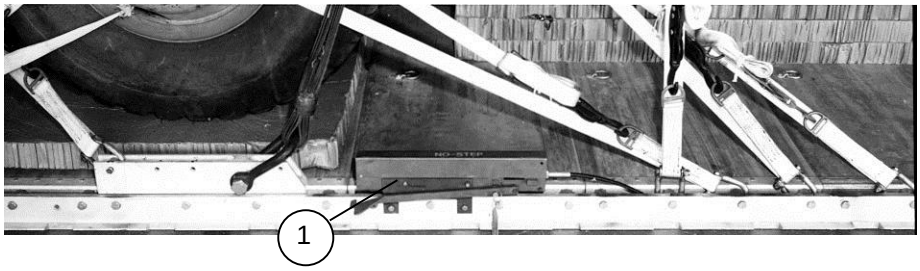
⑤ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-36. Release system installed

INSTALLING EXTRACTION SYSTEM

4-16. Install the extraction force transfer coupler extraction system as shown in Figure 4-37.





① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the front mounting holes in the left platform rail.

② Install the extraction force transfer coupler extraction system according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 4-37. Extraction system installed

PLACING EXTRACTION PARACHUTE

4-17. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-ABMMO-010/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISIONS FOR EMERGENCY RESTRAINTS

4-18. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

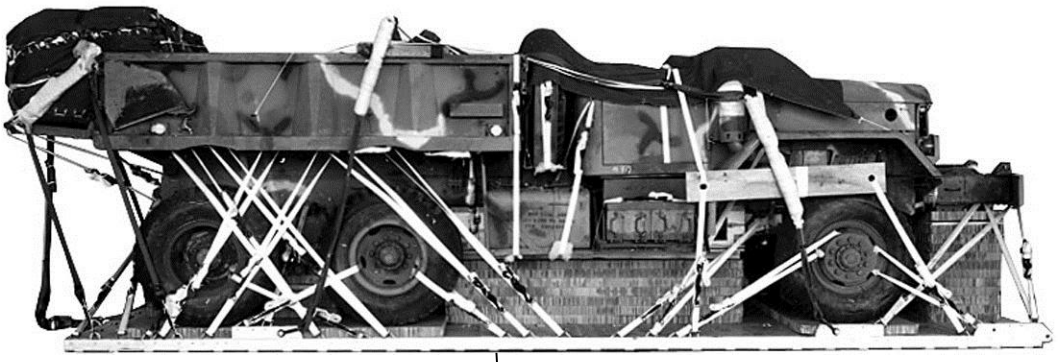
4-19. Mark the rigged load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 and as shown in Figure 4-38. Complete *Shipper's Declaration for Dangerous Goods*. If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

4-20. Use the equipment listed in Table 4-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……..……..28,620 pounds

Maximum load allowed……...……..……29,120 pounds

Height……...99 inches

Width ……..…108 inches

Length ……..….320 inches

Overhang: Front …… 5 inches

Rear ……..….27 inches

CB (from front edge of platform) ……161 inches

Extraction System……..……Extraction Force Transfer Coupler

Figure 4-38. M817, 5-ton dump truck rigged for low-velocity airdrop on a type V platform

Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low- velocity airdrop on a type V platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
4030-00-090-5354	Clevis, suspension, 1-in (large)	17
8305-00-242-3593	Cloth, cotton duck, 60-in	1
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5782	Coupling, airdrop, extraction force	
	Transfer w 24-ft cable	1
1670-00-360-0328	Cover, clevis, large	6
8135-00-664-6958	Cushioning material, packaging, cellulose	
	Wadding	As required
8305-00-958-3685	Felt, ½-inch thick	As required
1670-00-573-6790	Frame extension assembly	2
1670-01-183-2678	Leaf, extraction line	1
	Line, extraction, type XXVI nylon webbing:	
1670-01-064-4454	60-ft (6-loop) (for C-130 aircraft)	1
1670-01-107-7651	140-ft (3-loop) (for C-141 aircraft)	1
	Link assembly:	
1670-00-006-2752	Four-point	2
	Two point:	1
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in	(2)
1670-00-003-1954	Plate, side, 5 ½-in	(2)
5365-00-007-3414	Spacer, large	(2)
5510-00-220-6146	Lumber:	
	2- by 4- by 81 ¾-in	2
	2- by 4- by 87 ½-in	2
	2- by 4- by96-in	2
5510-00-220-6248	2- by 10- by 60-in	1
5510-00-220-6274	4- by 4-in:	
	17-in	2
	29 ½-in	2
	31-in	2
	104-in	2
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	30 sheets
	9- by 18-in	(8)
	12- by 12-in	(4)
	16- by 18-in	(2)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	*Item*	*Quantity*
	24- by 18-in	(2)
	24- by 60-in	(1)
	25- by 12-in	(1)
	25- by 18-in	(2)
	25- by 24-in	(1)
	27- by 24-in	(2)
	36- by 12-in	(10)
	36- by 24-in	(12)
	45- by 18-in	(8)
	45- by 24-in	(4)
	54- by 18-in	(4)
	96- by 36-in	(10)
	Parachute:	
1670-01-016-7841	Cargo, G-11C	6
1670-00-040-8135	Cargo, extraction, 28-ft, heavy-duty (for C-130 aircraft)	2
	Platform, airdrop, type V, 24-ft:	1
	Bracket:	
1670-01-162-2375	Inside Extraction Force Transfer Actuator (EFTA)	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis, load tiedown	(46)
1670-01-162-2376	Extraction bracket assembly	(1)
1670-01-247-2389	Suspension link	(4)
1670-01-162-2381	Tandem link	(2)
5530-00-128-4981	Plywood, ¾- by 48- by 96-in	5 Sheets
	4- by 96-in	(4)
	12- by 12-in	(3)
	13- by 95-in	(2)
	18- by 60-in	(1)
	24- by 951/2- in	(1)
	33¼- by 95-in	(1)
	36- by 12-in	(1)
	36- by 24- in	(1)
	36- by 98-in	(1)
	45- by 18-in	(4)
	45- by 24-in	(2)
	54- by 18-in	(1)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 4-1. Equipment required for rigging M817, 5-ton dump truck for low-velocity airdrop on a type V platform (continued)

National Stock Number	*Item*	*Quantity*
1670-01-097-8817	Release, cargo parachute, M-2	1
	Sling, cargo, airdrop, type XXVI nylon webbing:	
1670-00-432-2499	3-ft (4-loop)	4
1670-01-062-6305	9-ft (4-loop)	1
1670-01-062-6307	12-ft (4-loop)	2
1670-01-062-6308	16-ft (4-loop)	2
1670-01-062-6302	20-ft (2-loop) (riser extension)	24
1670-01-064-4453	20-ft (4-loop)	2
1670-00-040-8219	Strap, parachute release, multicult, comes W 3 knives (Use only 2 knives on each line.)	
	Support, mainframe:	
No NSN	Lumber:	(1)
No NSN	2- by 2- by 45-in	(1)
5510-00-220-6146	2- by 2- by 81 ¼-in	(2)
5510-00-220-6448	2- by 2- by 9 ¾-in	(2)
5510-00-220-6448	2- by 6- by 6-in	(3)
5510-00-220-6250	2- by 6- by 33 ¼-in	(2)
5510-00-220-6274	2- by 12- by 95-in	(1)
	4- by 4- by 33 ¼-in	
5315-00-010-4659	Nail, steel wire, common:	(As required)
5315-00-010-4663	8d	(As required)
5530-00-128-4981	16d	(4 sheets)
	Plywood, ¾- by 48- by 96-in:	(6)
	13 ½- by 96-in	(2)
7510-00-266-5016	33- by 96-in	As required
1670-00-937-0271	Tape, adhesive, 2-in	68
	Tiedown assembly, 15-ft	
8305-00-268-2411	Webbing:	As required
8305-00-082-5752	Cotton, type I, ¼-inch	As required
8305-00-261-8584	Nylon, tubular, ½-in	20 yd
	Nylon, type X, treated	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

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Chapter 5

Rigging M925 5-Ton Cargo Truck on a Type V Platform

DESCRIPTION OF LOAD

5-1. The M925, 5-ton cargo truck is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M925 truck with winch weighs 22,360 pounds. Its height is 116 inches, reducible to 91 inches. The width of the truck is 98 inches. The length of the truck with winch is 329 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. Figures 5-1 and 5-2 show the unrigged M925 truck equipped with a winch and a hardtop cab cover. The truck you are rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

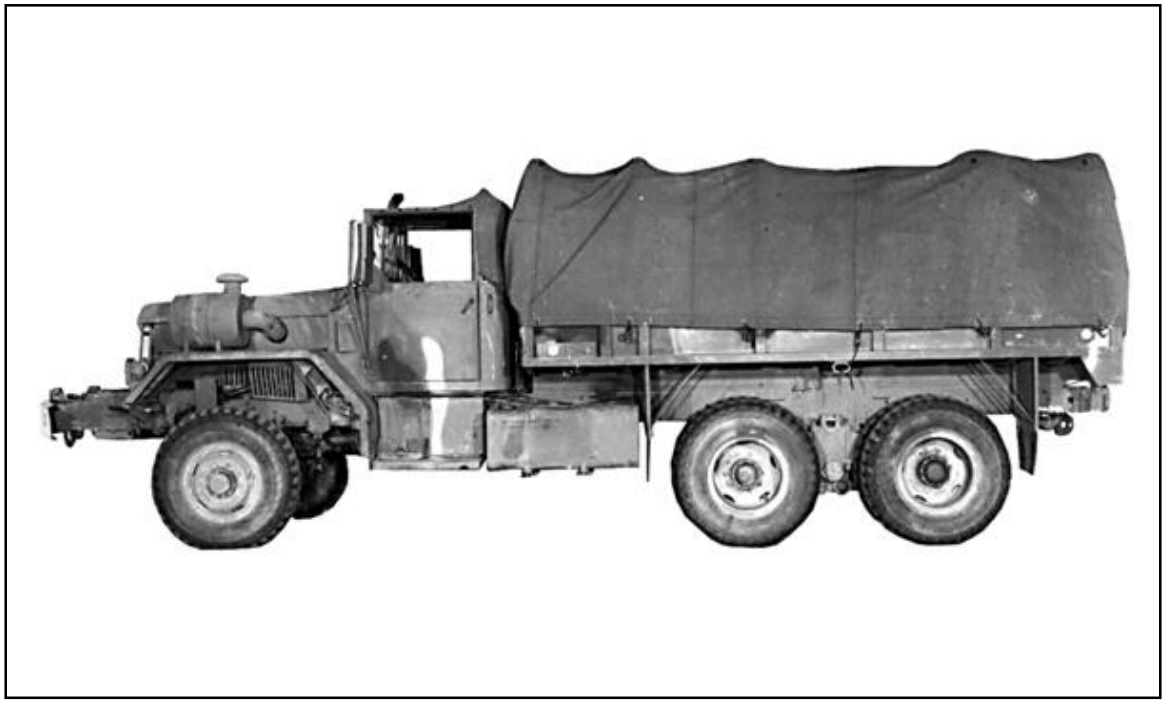


Figure 5-1. Left side of unrigged M925, 5-ton cargo truck



Figure 5-2. Right side of unrigged M925, 5-ton cargo truck

PREPARING PLATFORM

5-2. Prepare a 24-foot, type V airdrop platform as described below.

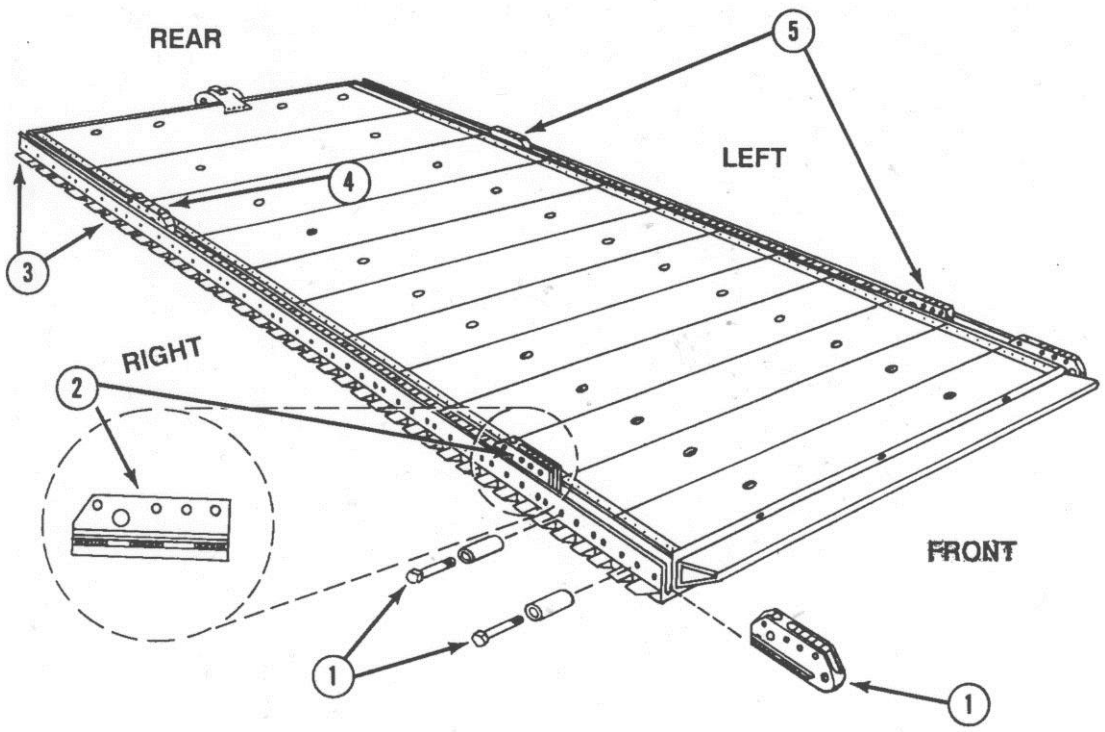
- **Inspecting Platform.** Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.

Note. If the platform must be assembled, install the suspension links when assembling the platform.

- **Installing Suspension Links.** Install the suspension links as described in Figure 5-3 on page 5-4.
- **Installing Tandem Links.** Install a tandem link on the front of each rail as shown in Figure 5-4 on page 5-5.
- **Attaching and Numbering Clevises.** Attach and number 38 clevises as shown in Figure 5-4.
- **Labeling and Numbering Tiedown Rings.** Label and number the tiedown rings as shown in Figure 5-4.

Notes. 1. The nose bumper may or may not be installed.
2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.

Note. This is drawing is not drawn to scale.



① Remove bushings, bolts, and any tandem links that may have been installed in holes 1 through 11 on the right rail.

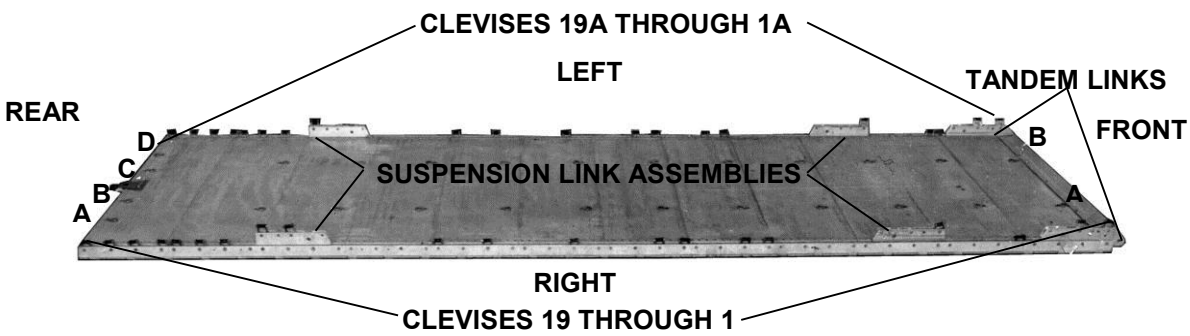
② Place a suspension link in the front of the right rail with the flat portion to the front of the rail. Slide the link along the rail until the holes in the link align with rails holes 9, 10, and 11. Bolt the link in place with bushing bolts.

③ Remove bushings, bolts, and any tandem links that may have been installed in holes 38 through 48 on the right rail.

④ Place a suspension link in the rear of the right rail with the flat portion to the rear of the rail. Slide the link along the rail until the holes in the link align with rail holes 38, 39, and 40. Bolt the link in place with the bushing bolts.

⑤ Install two suspension links on the left rail, adapting the procedures in steps 1 through 4 above.

Figure 5-3. Suspension links installed



Steps:

1. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
2. Install a clevis on bushings 1 and 3 of each front tandem link.
3. Install a clevis on bushings 1 on each front suspension link.
4. Install a clevis on bushings 4 on each rear suspension link.
5. Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 5, 17, 18, 21, 22, , 26, 30, 32, 42, 43, 44, 45, 46, 47, and 48.
6. Start at the front of the platform, number the clevises bolted to the right side from 1 through 19 and those bolted to the left side from 1A through 19A.
7. Label the two rows of tiedown rings in the first 11 panels A and B from right to left. Label the two rows of tiedown rings in the last panel A, B, C, and D from right to left. Starting at the front of the platform, number the rows of tiedown rings 1 through 11.

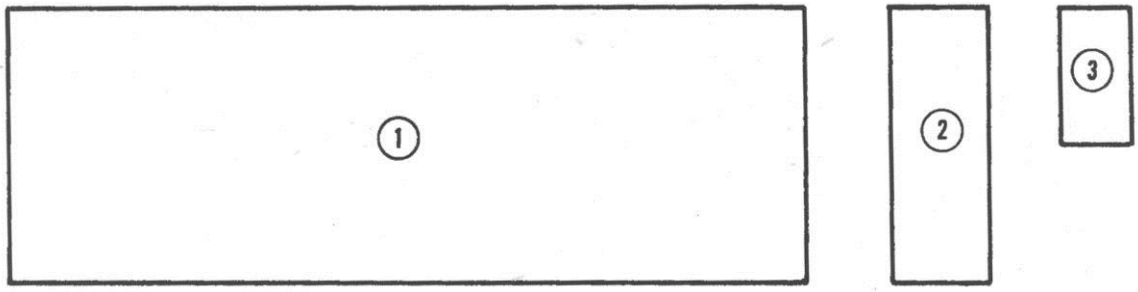
Figure 5-4. Platform prepared

BUILDING AND POSITIONING HONEYCOMB STACKS

5-3. Build and position the honeycomb stacks as described below on pages 5-6 through 5-22.

- Build the load spreaders for the honeycomb stacks as described in Figures 5-5 through 5-12.
- Build the honeycomb stacks as shown in Figures 5-13 through 5-18. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform
- Position the honeycomb stacks on the platform as shown in Figures 5-19 through 5-21.

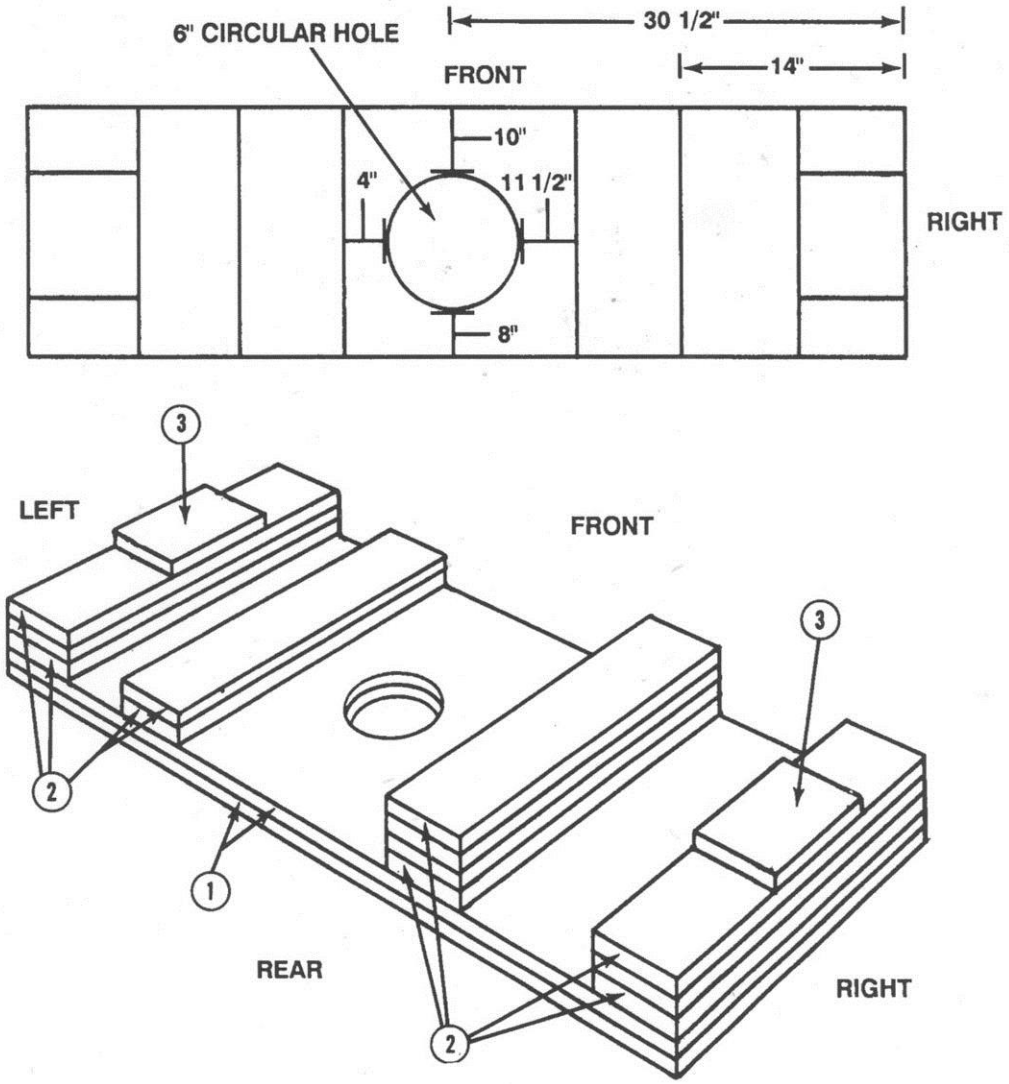
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	54	24	¾-inch plywood
2	12	5 ½ (actual)	24	2- by 6-inch lumber
3	2	5 ½ (actual)	8	2- by 6-inch lumber

Figure 5-5. Material required for load spreader for honeycomb stack 2

Note. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 5-5.

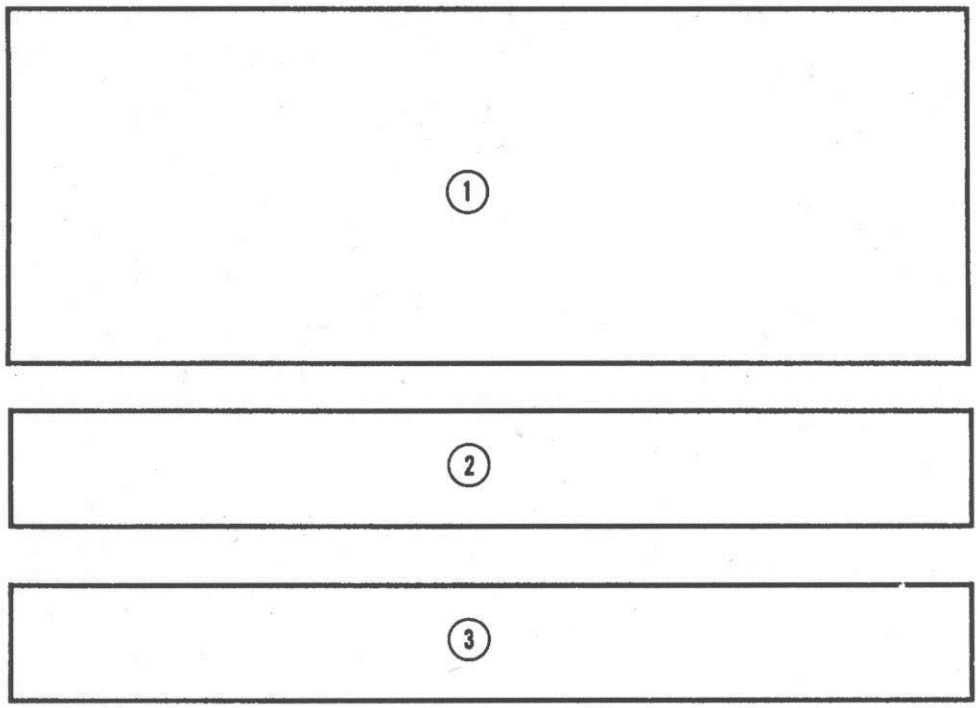


Steps:

1. Construct the load spreader for honeycomb stack 2 as shown.
2. Secure the plywood and lumber in place, as shown, with sixteen-penny nails.

Figure 5-6. Load spreader for honeycomb stack 2 constructed

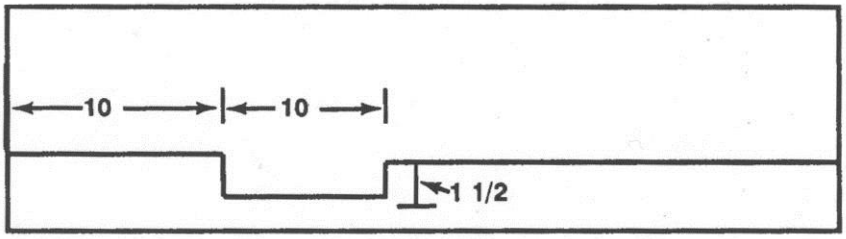
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	36	12	¾-inch plywood
2	2	36	3 ½ (actual)	2- by 4-inch lumber
3	1	36	3 ½ (actual)	2- by 4-inch lumber

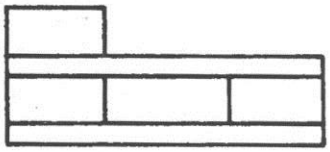
Figure 5-7. Material required for load spreader for honeycomb stack 3

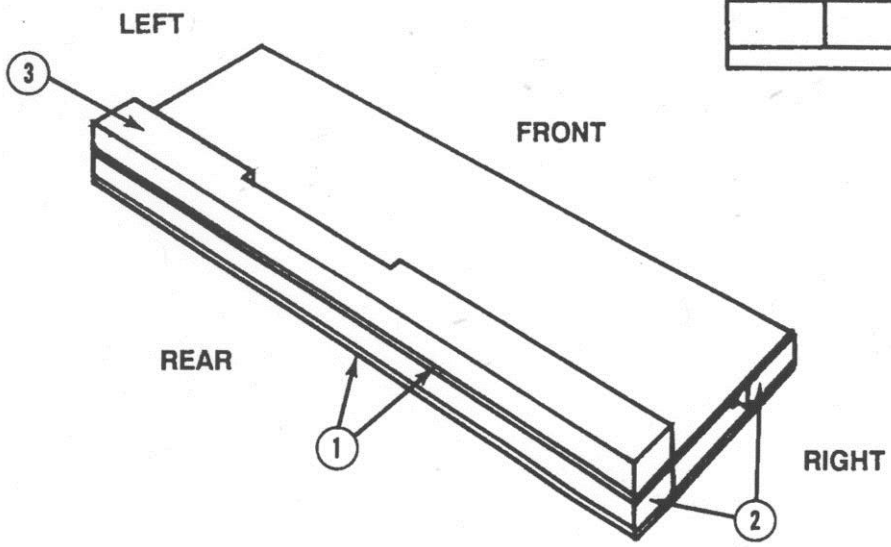
Note. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 5-7.



TOP VIEW

END VIEW



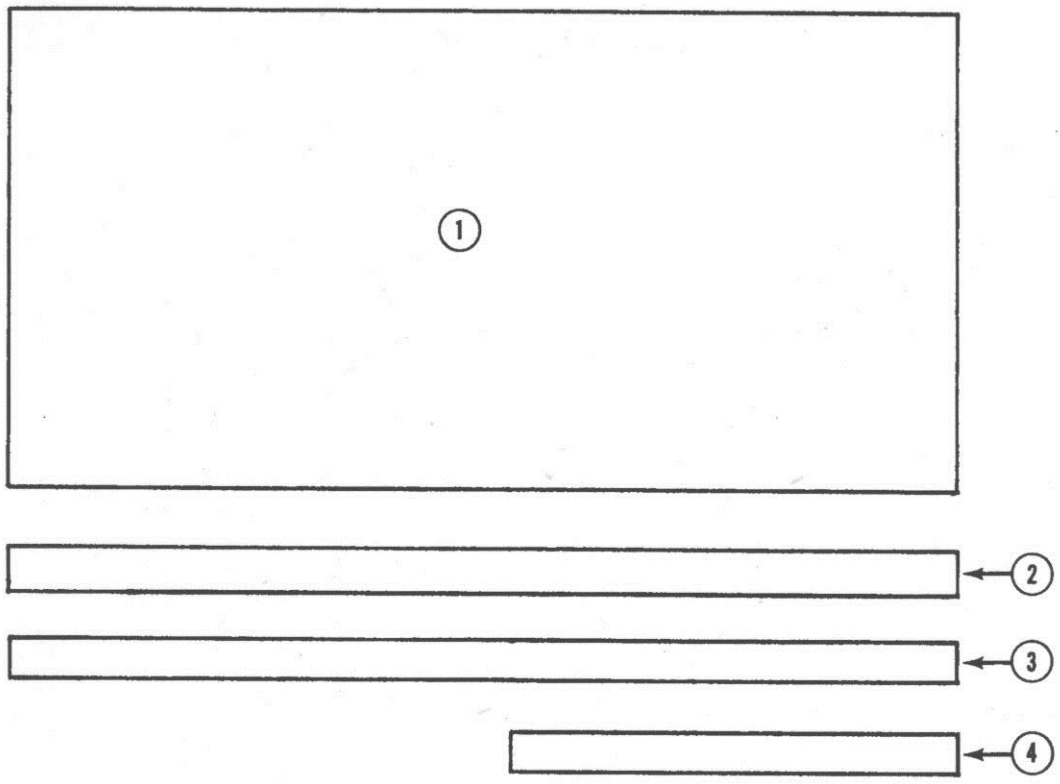


Steps:

1. Construct the load spreader for honeycomb stack 3 as shown.
2. Secure the plywood and lumber in place, as shown, with sixteen-penny nails.

Figure 5-8. Load spreader for honeycomb stack 3 constructed

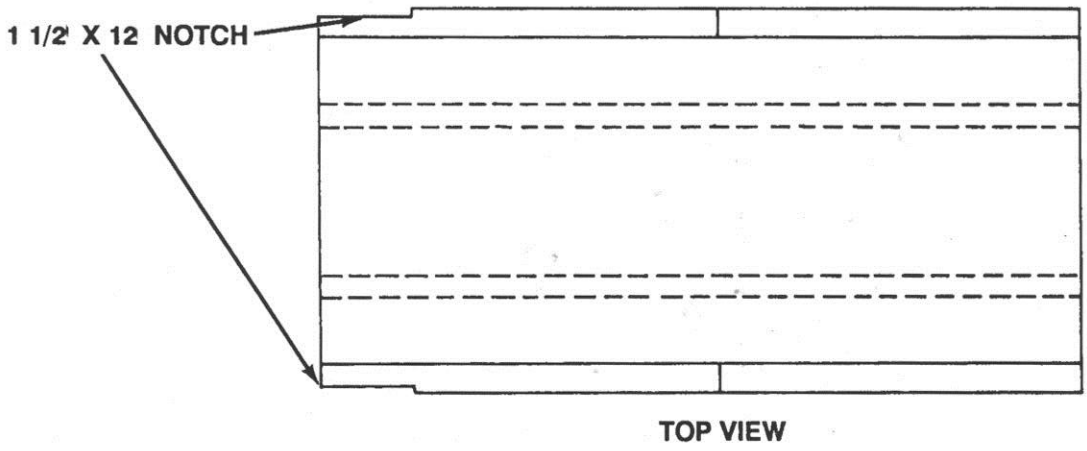
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.

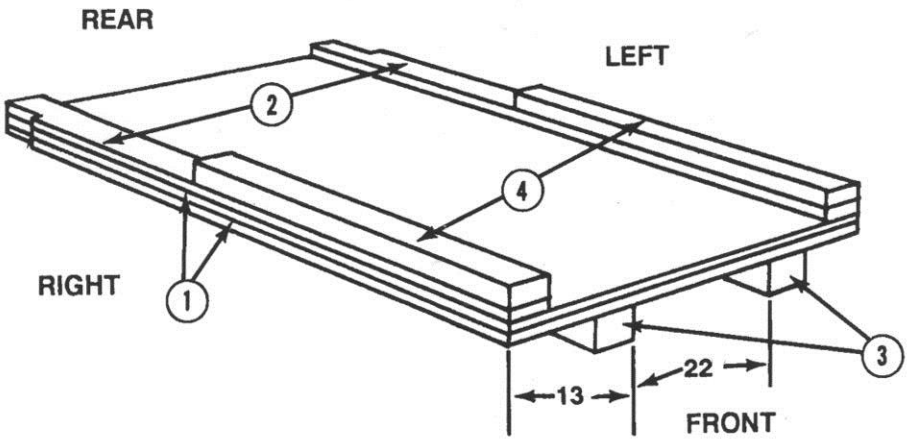


Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	48	96	¾-inch plywood
2	2	4	96	¾-inch plywood
3	2	3 ½ (actual)	96	2- by 4-inch lumber
4	2	3 ½ (actual)	46	2- by 4-inch lumber

Figure 5-9. Material required for load spreader for honeycomb stack 4

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 5-9.



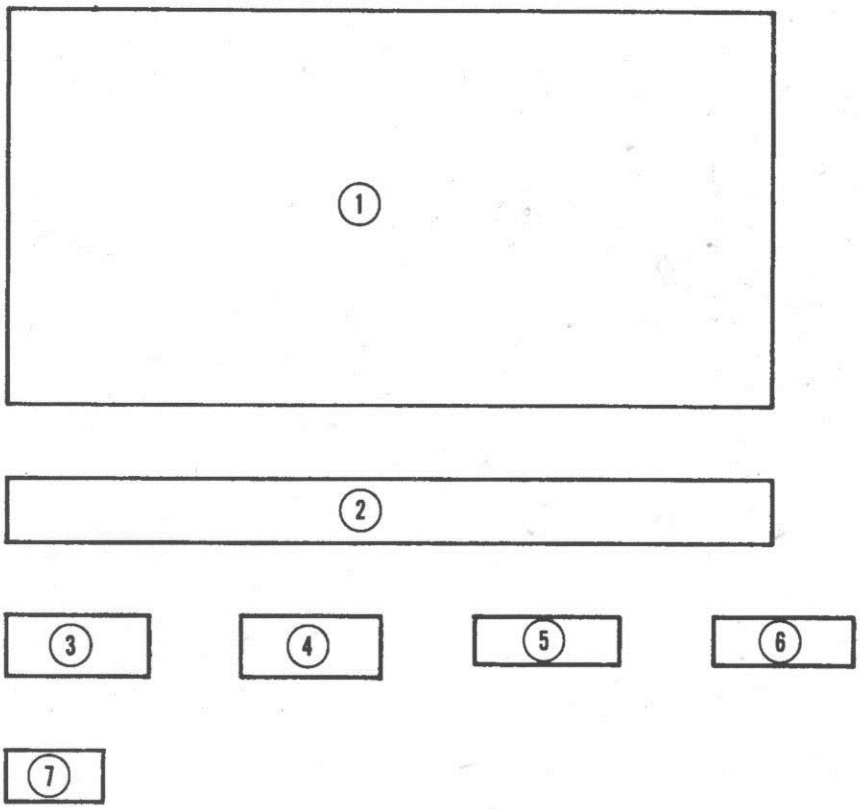


Steps:

1. Construct the load spreader for honeycomb stack 4 as shown.
2. Secure the plywood and lumber in place, as shown, with eightpenny and sixteen-penny nails.

Figure 5-10. Load spreader for honeycomb stack 4 constructed

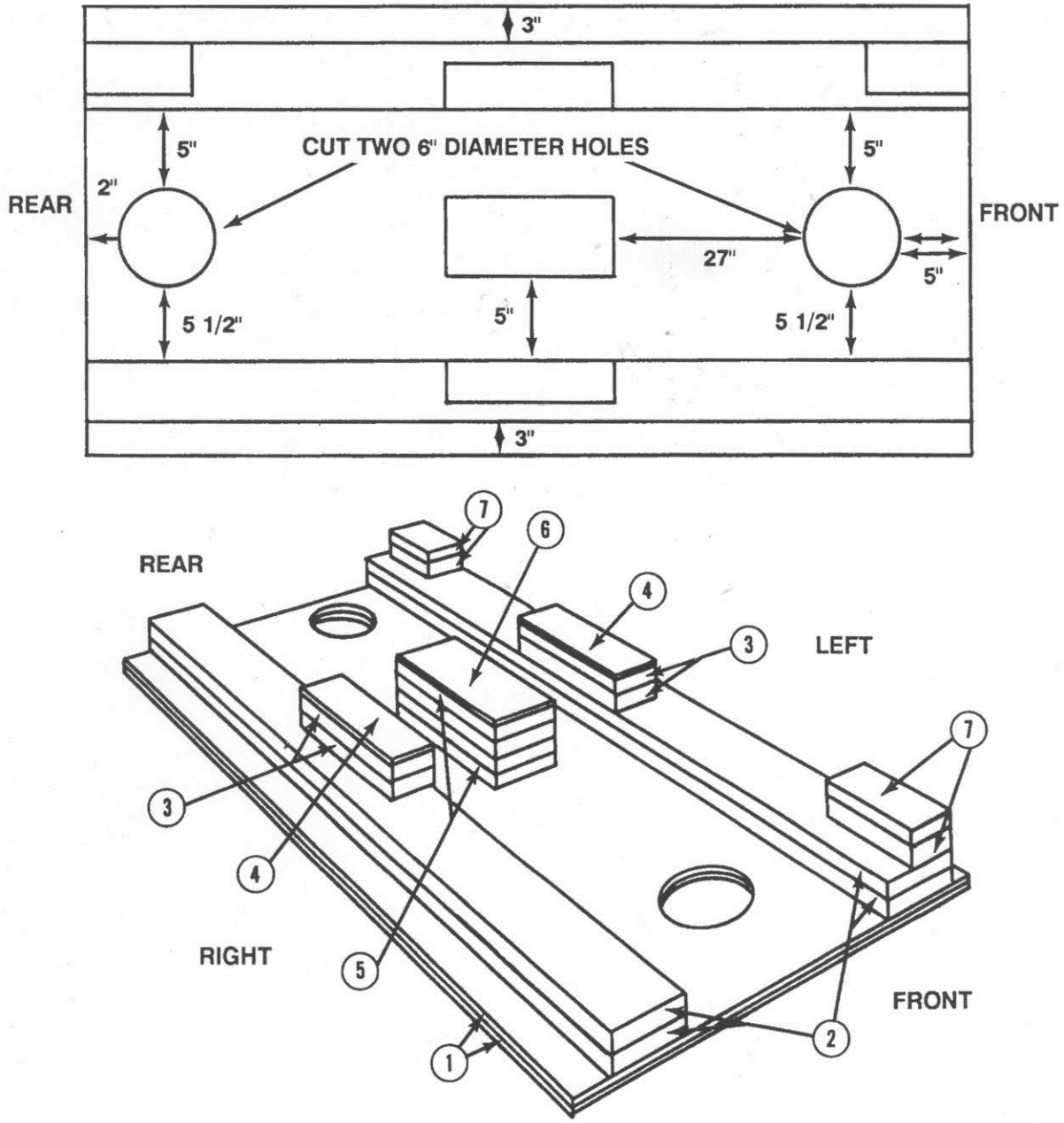
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	33 ½	66	¾-inch plywood
2	4	5 ½ (actual)	66	2- by 6-inch lumber
3	4	3 ½ (actual)	12	2- by 4-inch lumber
4	2	4	12	¾-inch plywood
5	4	5 ½ (actual)	12	2- by 6-inch lumber
6	1	6	12	¾-inch plywood
7	4	3 ½ (actual)	8	2- by 4-inch lumber

Figure 5-11. Material required for load spreader for honeycomb stack 5

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 5-11.

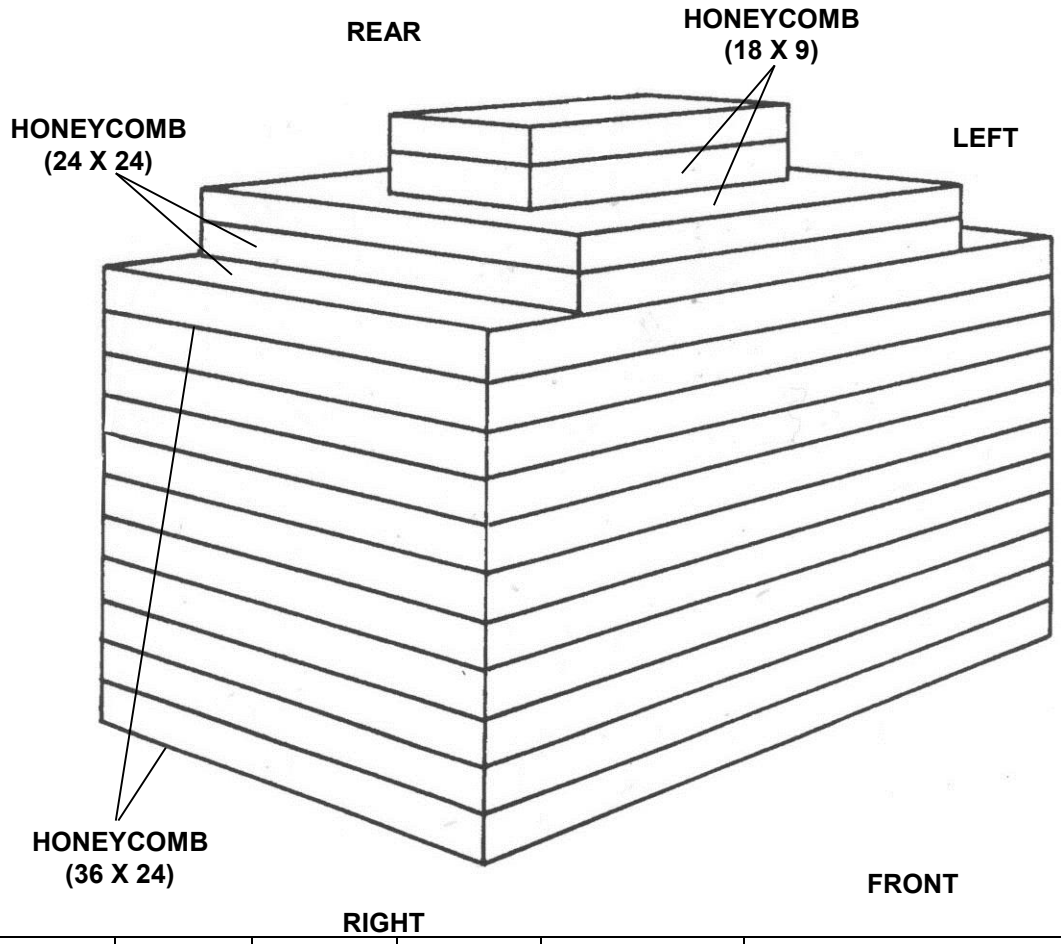


Steps:

1. Construct the load spreader for honeycomb stack 5 as shown.
2. Secure the plywood and lumber in place, as shown, with eight penny and sixteen-penny nails.

Figure 5-12. Load spreader for honeycomb stack 5 constructed

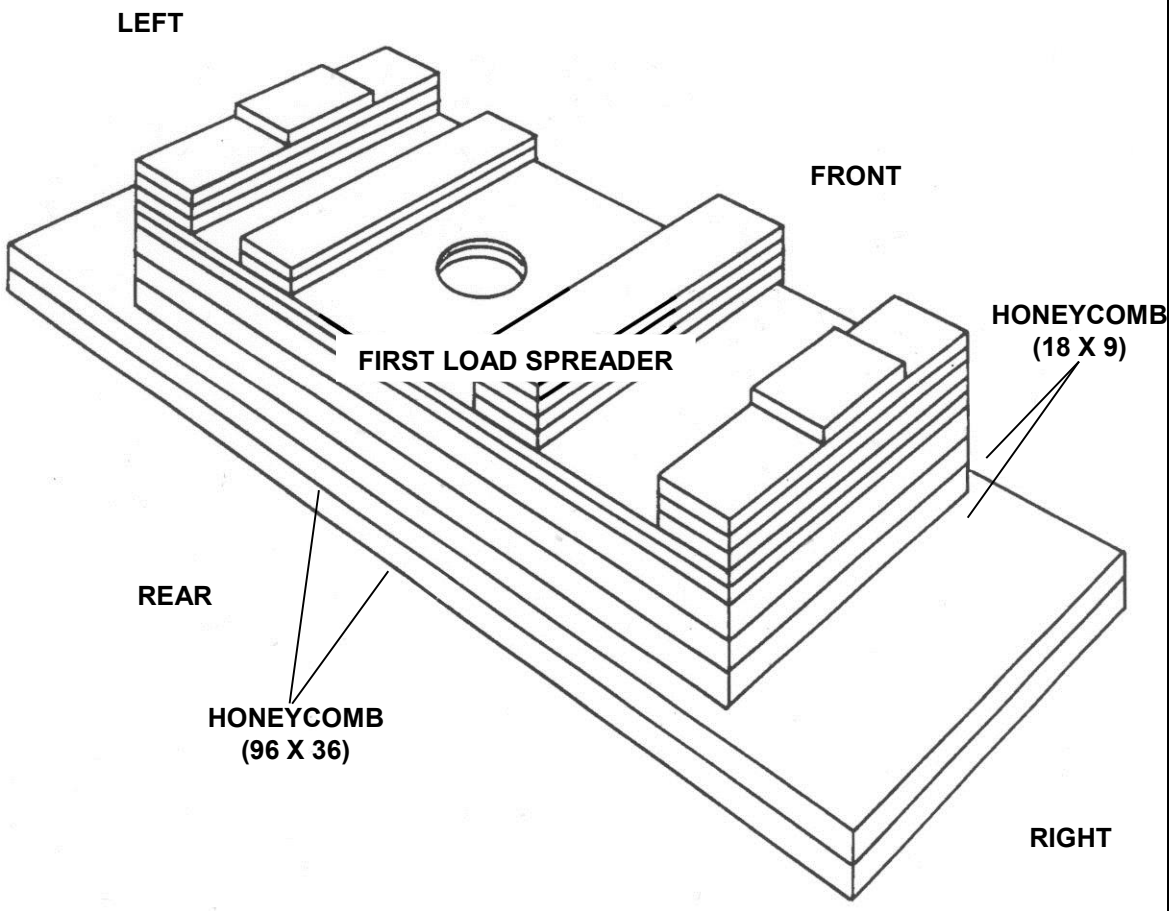
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
1	11	36	24	Honeycomb	Place honeycomb as the base.
	2	24	24	Honeycomb	Center honeycomb on top of the base.
	2	16	18	Honeycomb	Center honeycomb on top of 24-by 24-inchhoneycomb.

Figure 5-13. Honeycomb stack 1 prepared

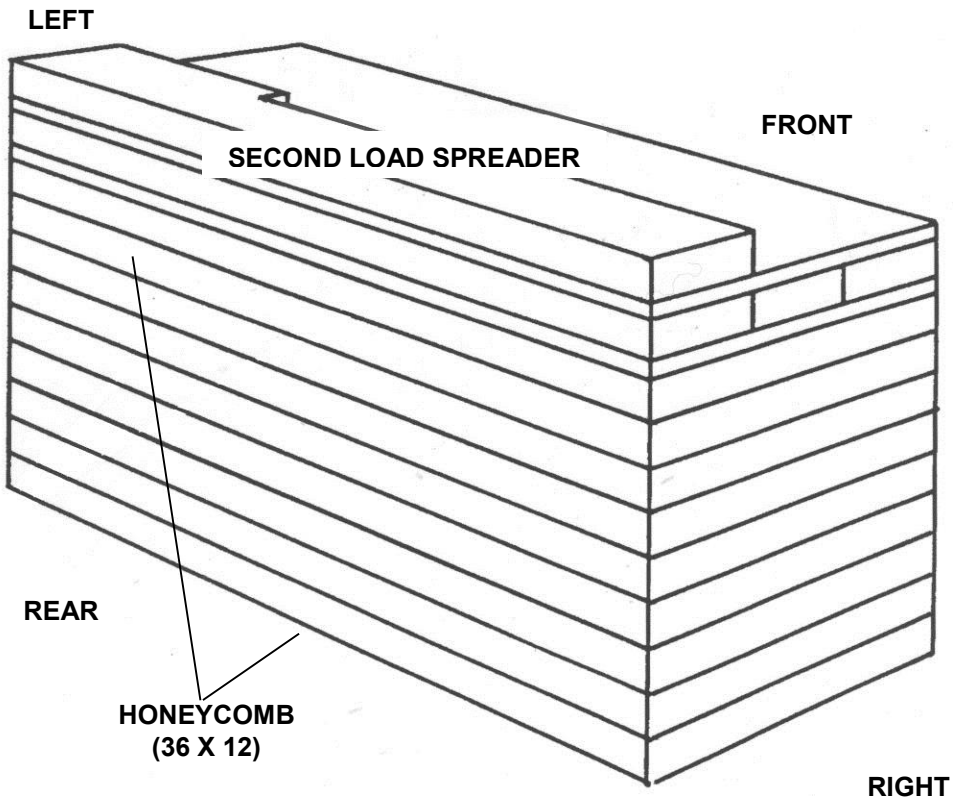
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
2	2	96	36	Honeycomb	Place honeycomb as the base.
	3	54	24	Honeycomb	Center honeycomb on top of the base.
				Load Spreader	Place load spreader on top of 54- by 24-inch honeycomb.

Figure 5-14. Honeycomb stack 2 prepared

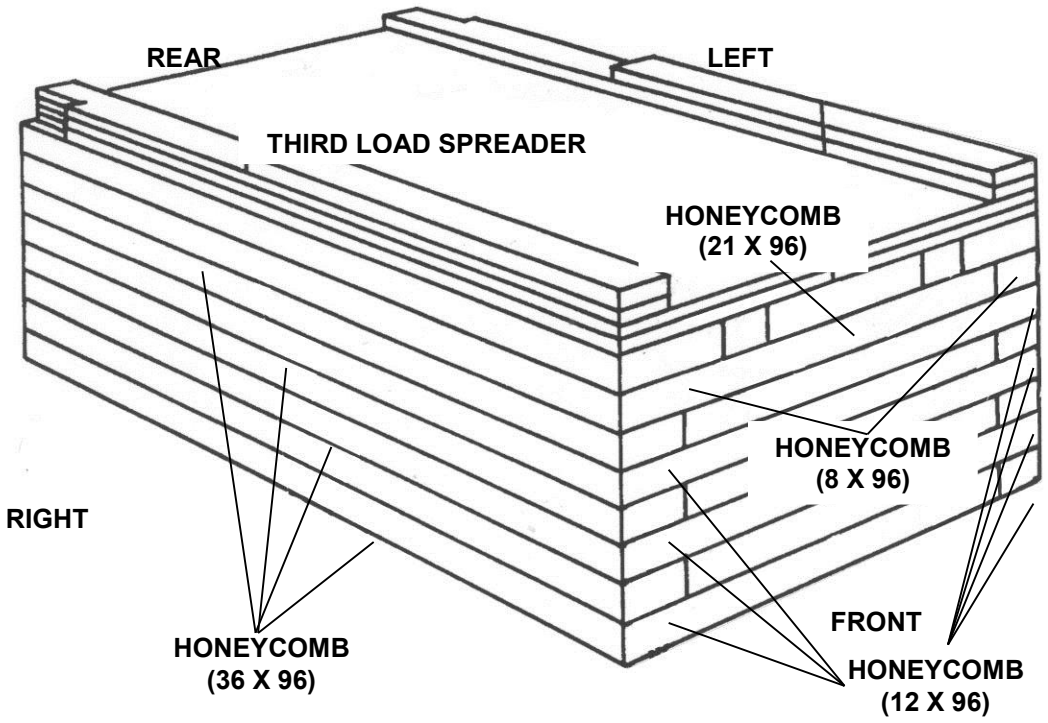
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
3	9	36	12	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of 54- by 24-inch honeycomb.

Figure 5-15. Honeycomb stack 3 prepared

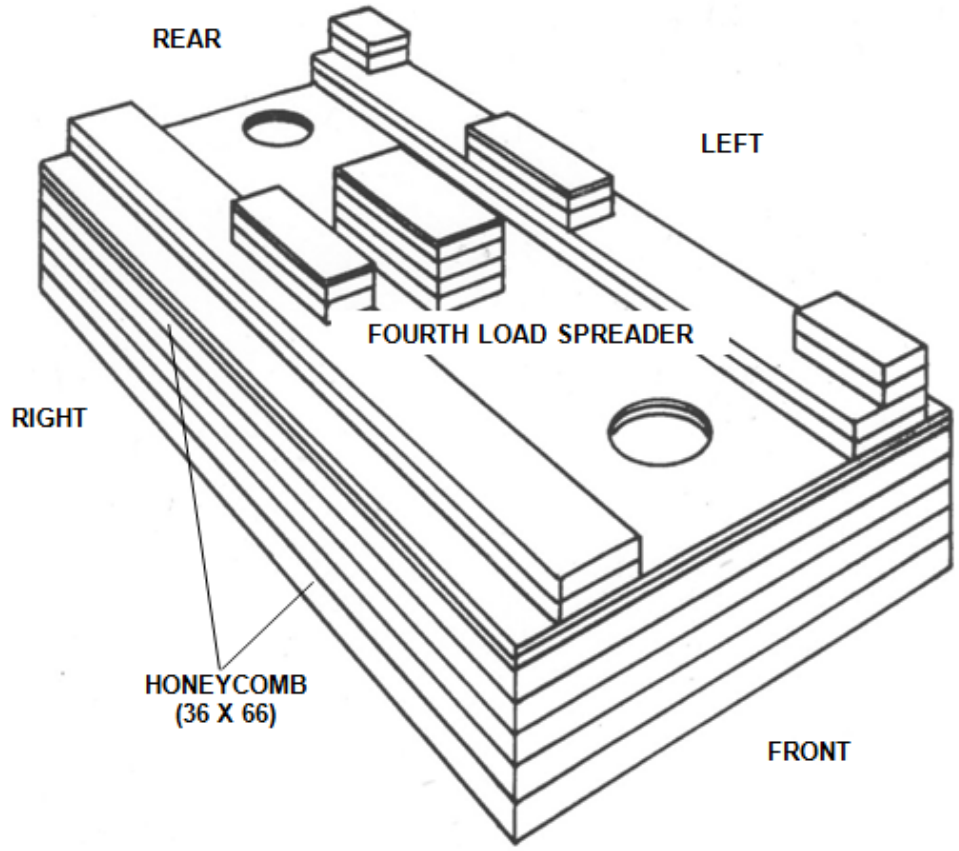
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
4	7 7	36 12	96 96	Honeycomb Honeycomb	Form a 48- by 96-inch base using the 36- by 96-inch and 12- by 96-inch pieces of honeycomb. Alternate the layers.
	1	21	96	Honeycomb	Center honeycomb on top of the base.
	2	8	96	Honeycomb	Place one piece of honeycomb on each side of the base even with the 96-inch edge.
				Load Spreader	Place load spreader on top of the base.

Figure 5-16. Honeycomb stack 4 prepared

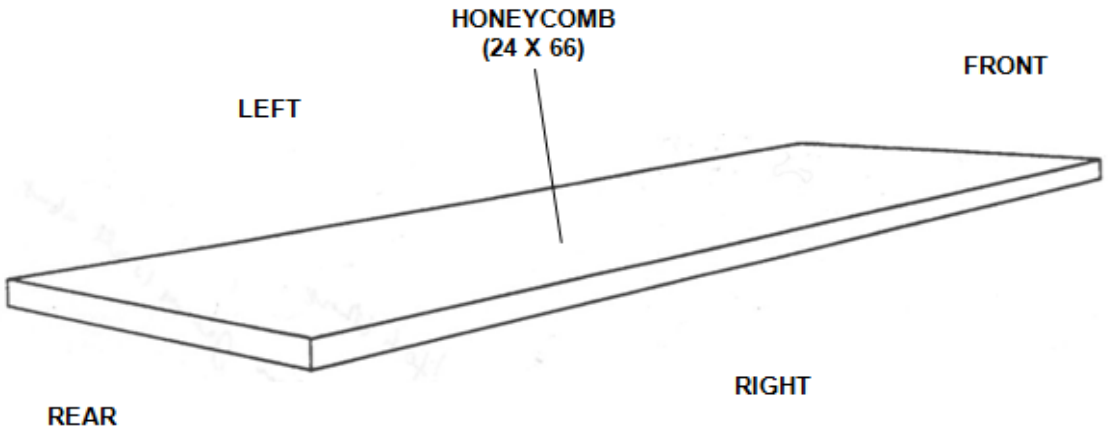
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
5	5	36	66	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base.

Figure 5-17. Honeycomb stack 5 prepared

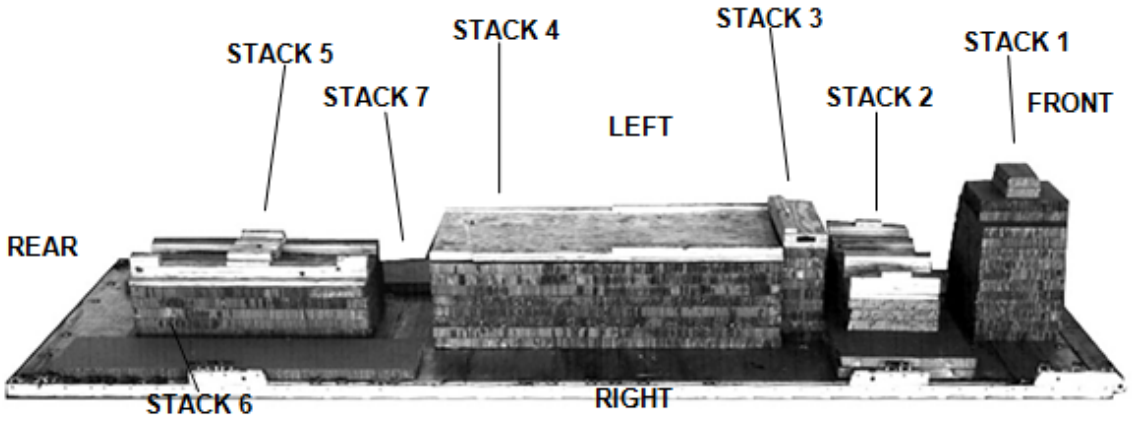
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
6	1	24	96	Honeycomb	Form stack.
7	1	24	96	Honeycomb	Form stack.

Figure 5-18. Honeycomb stacks 6 and 7 prepared

Note. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.



Stack Number	*Position of Stack on Platform*
	Place stack:
1	Centered 5 inches from the front edge of the platform.
2	Centered 6 inches from the rear of stack 1.
3	Centered flush against the rear of stack 2.
4	Centered flush against the rear of stack 3.
5	Centered 18 inches from the rear of stack 4.
6	3 inches from the right side rail and 3 inches from the rear of stack 4.
7	3 inches from the left side rail and 3 inches from the rear of stack 4.

Figure 5-19. Honeycomb stacks positioned on platform

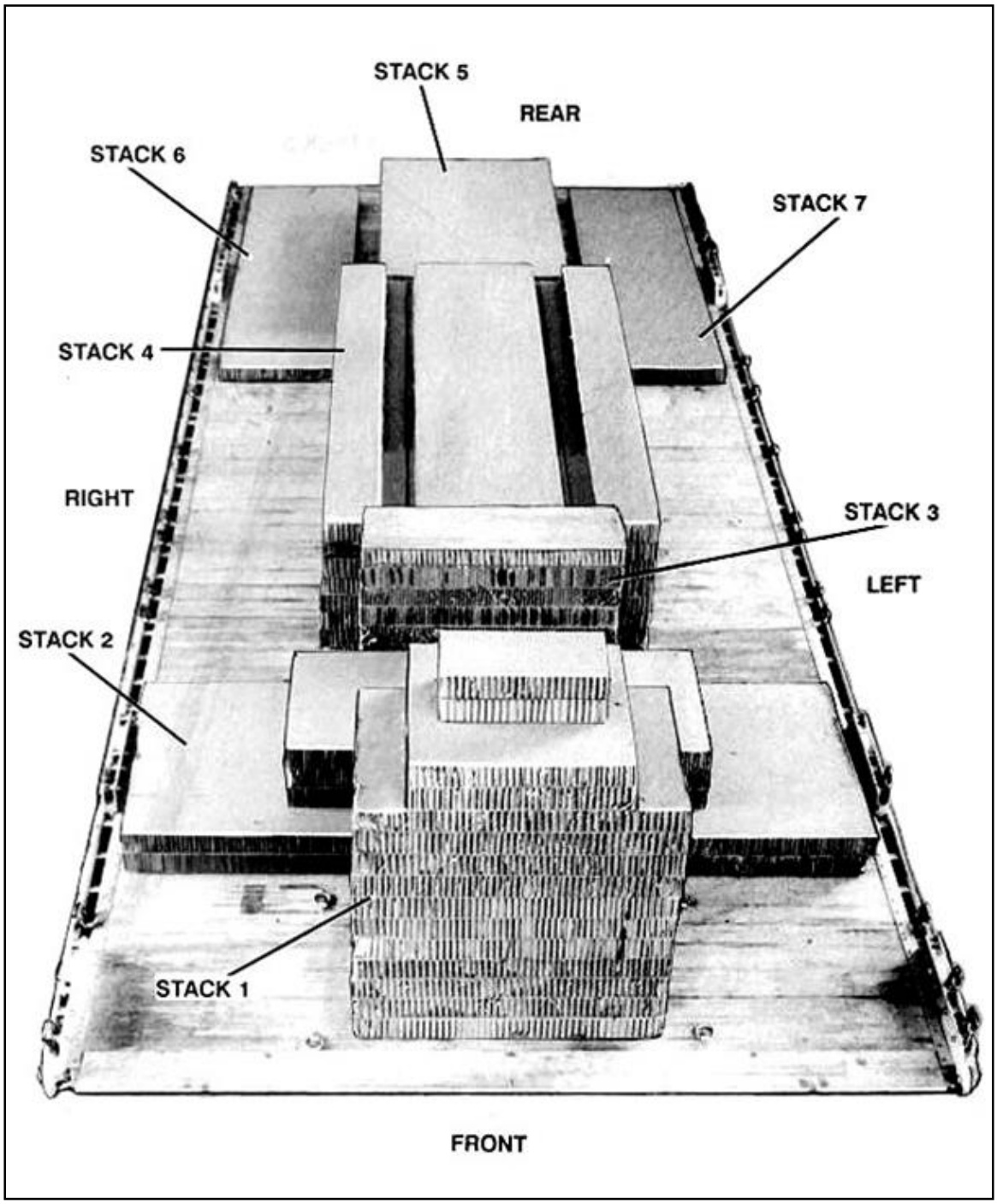


Figure 5-20. Front view of honeycomb stacks (without load spreaders) positioned on platform

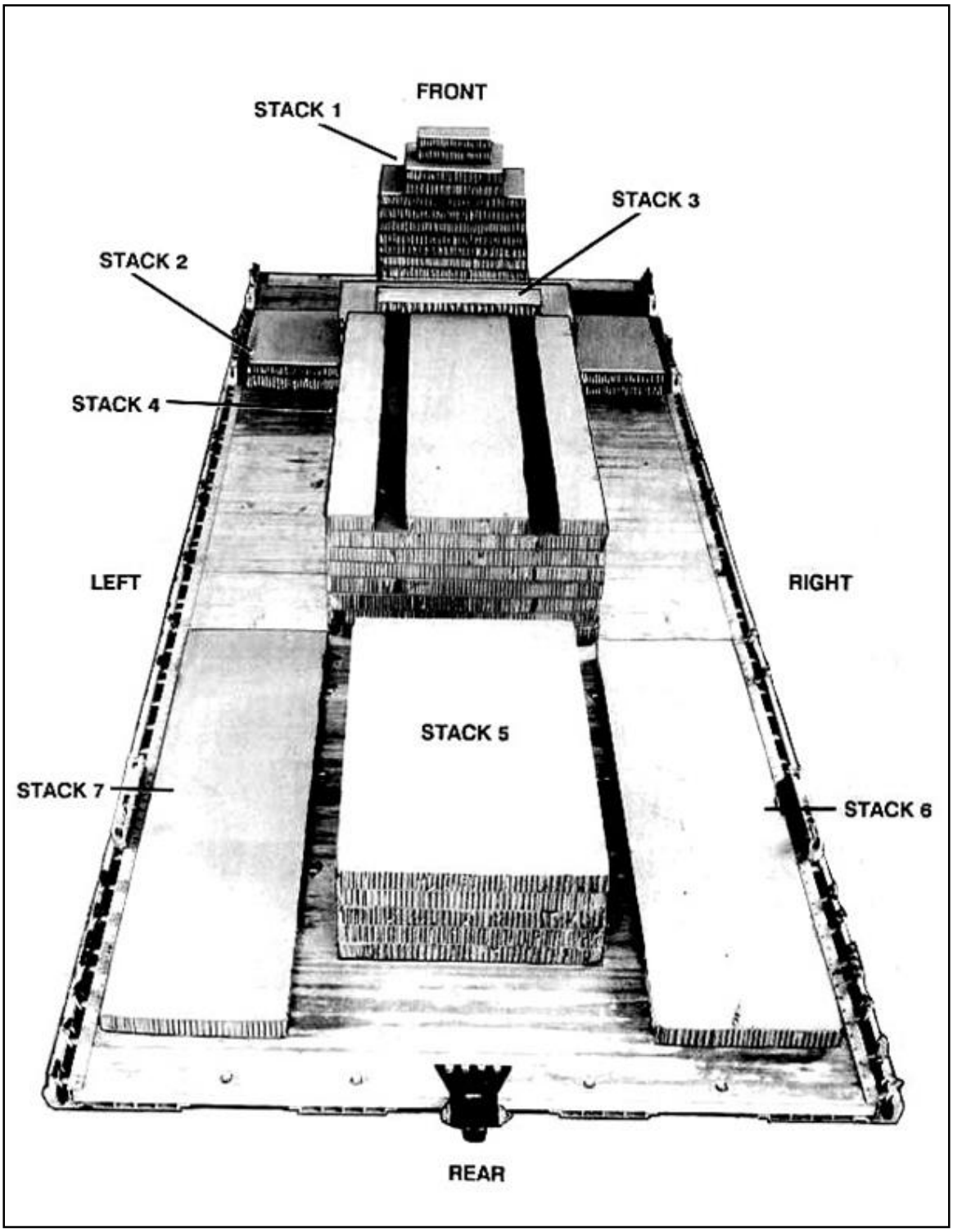


Figure 5-21. Rear view of honeycomb stacks (without load spreaders) positioned on platform

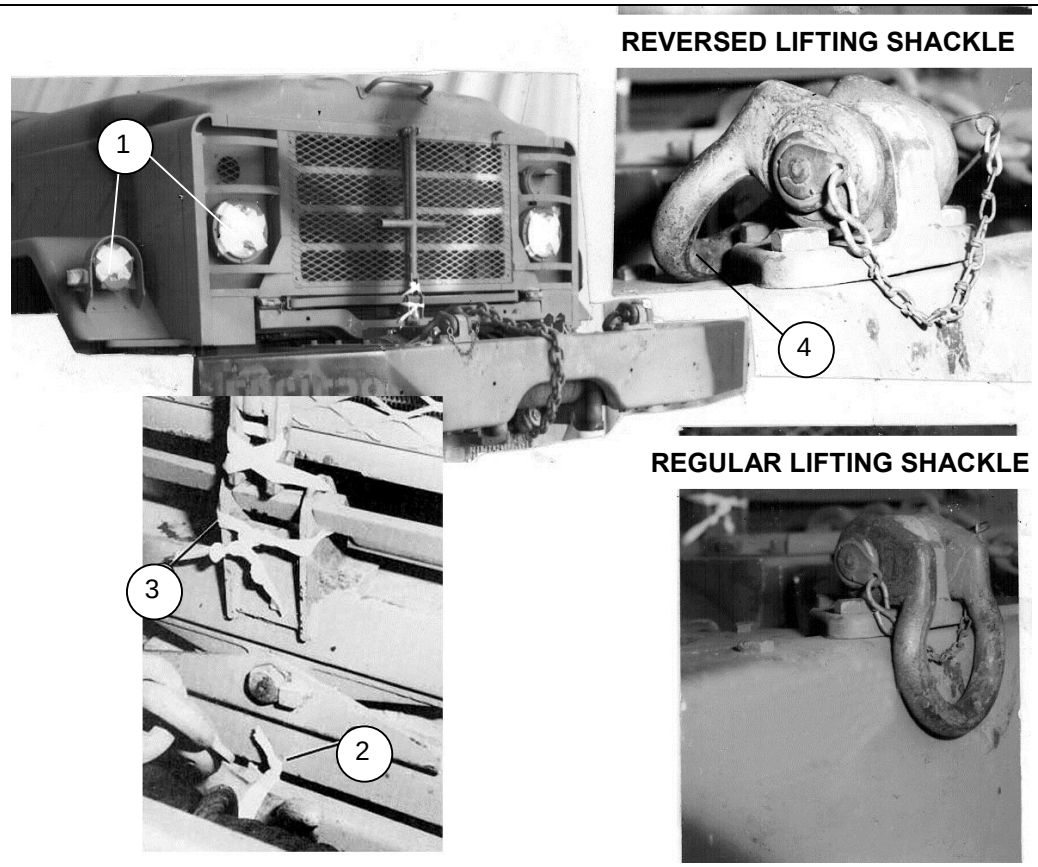
REMOVING TRUCK COMPONENTS

5-4. Remove the hardtop cab cover, cargo body cover, mirror assemblies, exhaust stack, air cleaner stack, side rack troop seats, body side racks, and bow and stack assemblies according to TM 9-2320-272-10.

PREPARING TRUCK

5-5. Prepare the truck as shown in Figure 5-22 and as described below.

- Reduce the tire pressure in all tires to 28 pounds per square inch.
- Make sure the fuel tank is not more than ½ full.



① Tape the headlights and blackout lights.

② Tie the winch chain hook to the rear bar of the winch with ½-inch tubular nylon webbing.

③ Secure the grill retainer bar in the retainer bag link of tie the grill retainer bar to the front of the truck with ½-inch tubular nylon webbing.

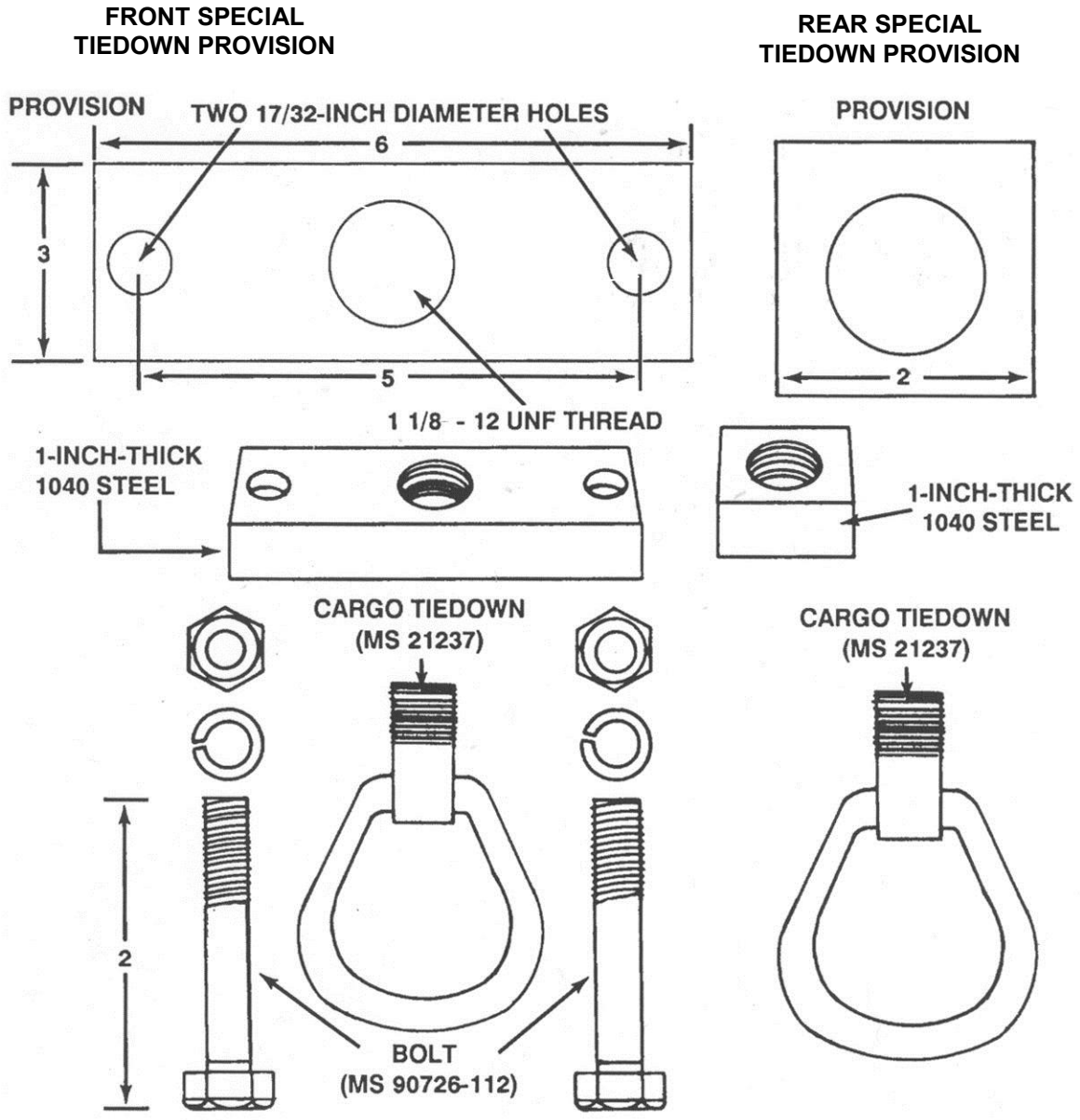
④ Remove the front lifting shackles from their links. Reverse the shackles, and fasten them to the links with their pins. Place the safety pins in the holes in the ends of the retaining pins.

Figure 5-22. Truck prepared

CAUTION

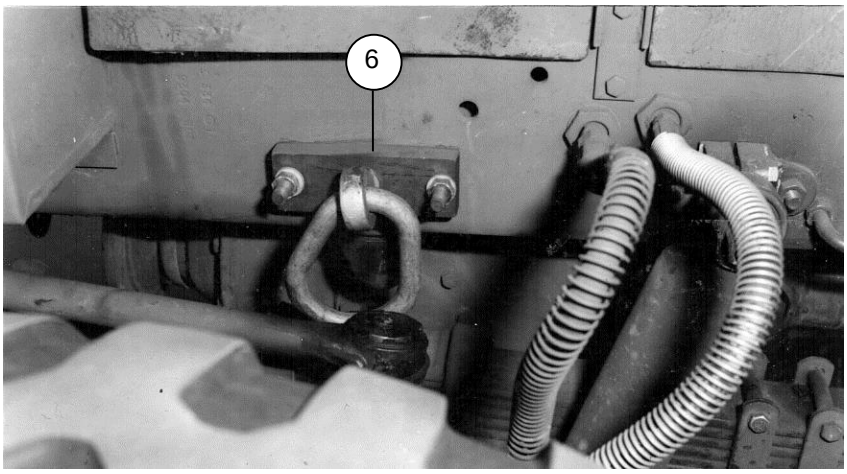
These special tiedown provisions must be constructed by qualified maintenance personnel.

Note. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks

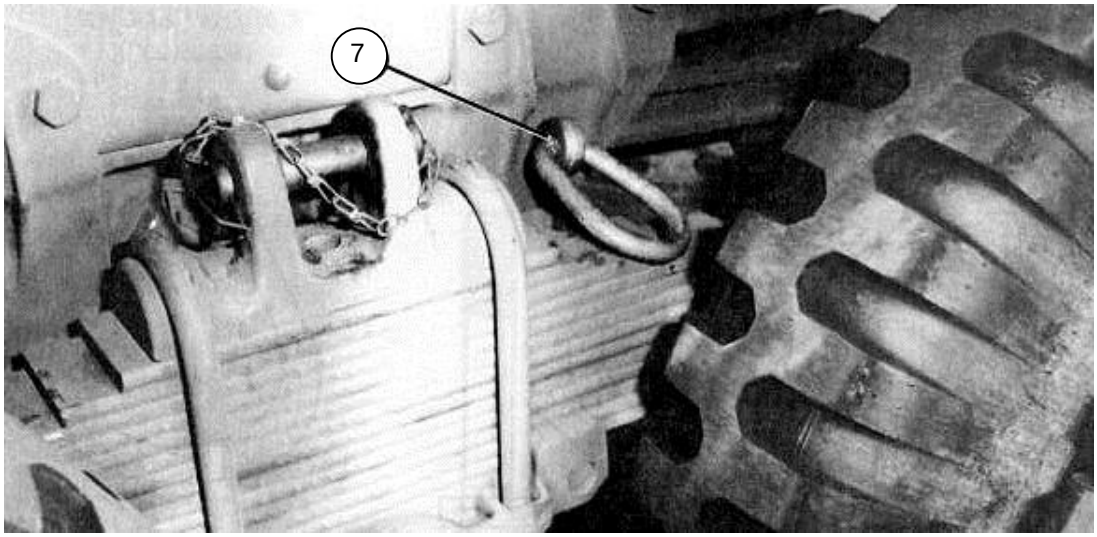


⑤ Form two sets of components of the front and rear special tiedown provisions as shown above.

Figure 5-22. Truck prepared (continued)

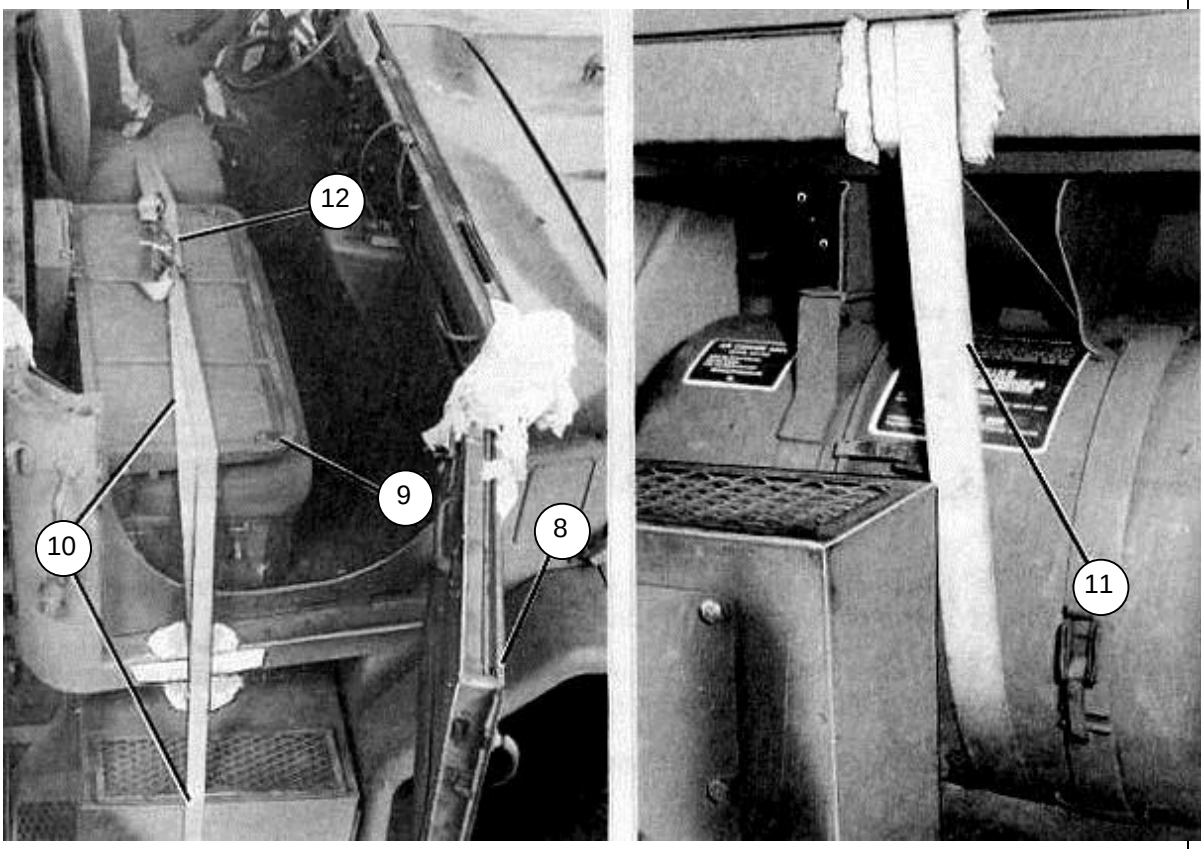


⑥ Remove the two ½-inch diameter rubber snubber attaching bolts from each side of the mainframe (The rubber snubber attaching bolts are located above the front axle.). Using the front special tiedown provision bolts, insert the bolts through the rubber snubber mounting block and through the mainframe. Place the front special tiedown provision mounting block on the bolts against the mainframe. Use the original washers and nuts to secure the mounting block. Screw the tiedown ring tightly into the mounting block.



⑦ Insert the screw end of the tiedown ring into the hole in the mainframe slightly in front of the rear lifting point. Screw the tiedown ring tightly into the square nut.

Figure 5-22. Truck prepared (continued)



⑧ Open the truck doors.

⑨ Fold the back of the passenger seat down.

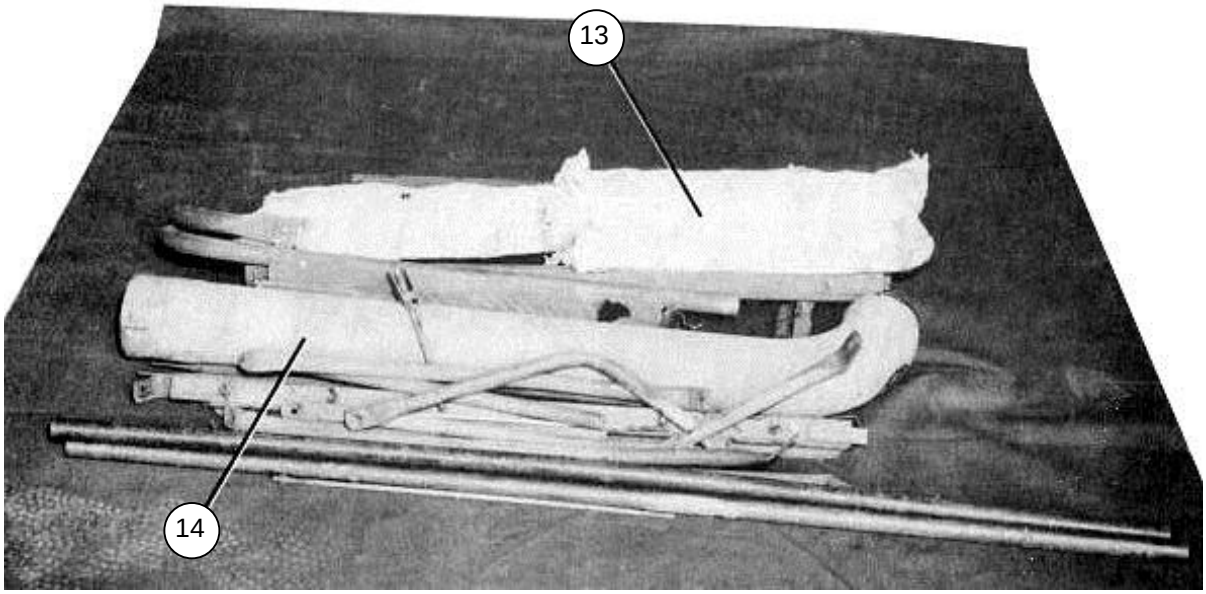
⑩ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the 30-foot tiedown strap across the front seat. Pass one end of the strap out of the right door, around the battery box, back in the right door, and up across the front seat.

⑪ Pass the other end of the 30-foot tiedown strap out of the left door, around the air cleaner, back in the left door, and up across the front seat.

Note. Pad the door frames with cellulose wadding where the strap touches the door frame.

⑫ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

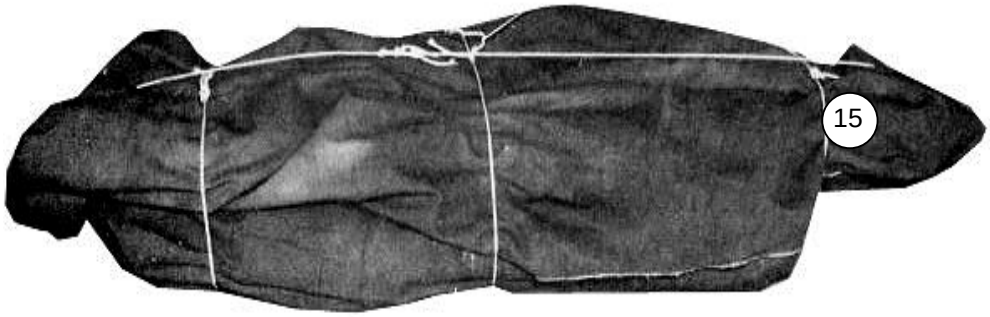
Figure 5-22. Truck prepared (continued)



⑬ Wrap small pieces of equipment in cellulose wadding. Tape the wadding in place. Place the wrapped items on the cargo body cover.

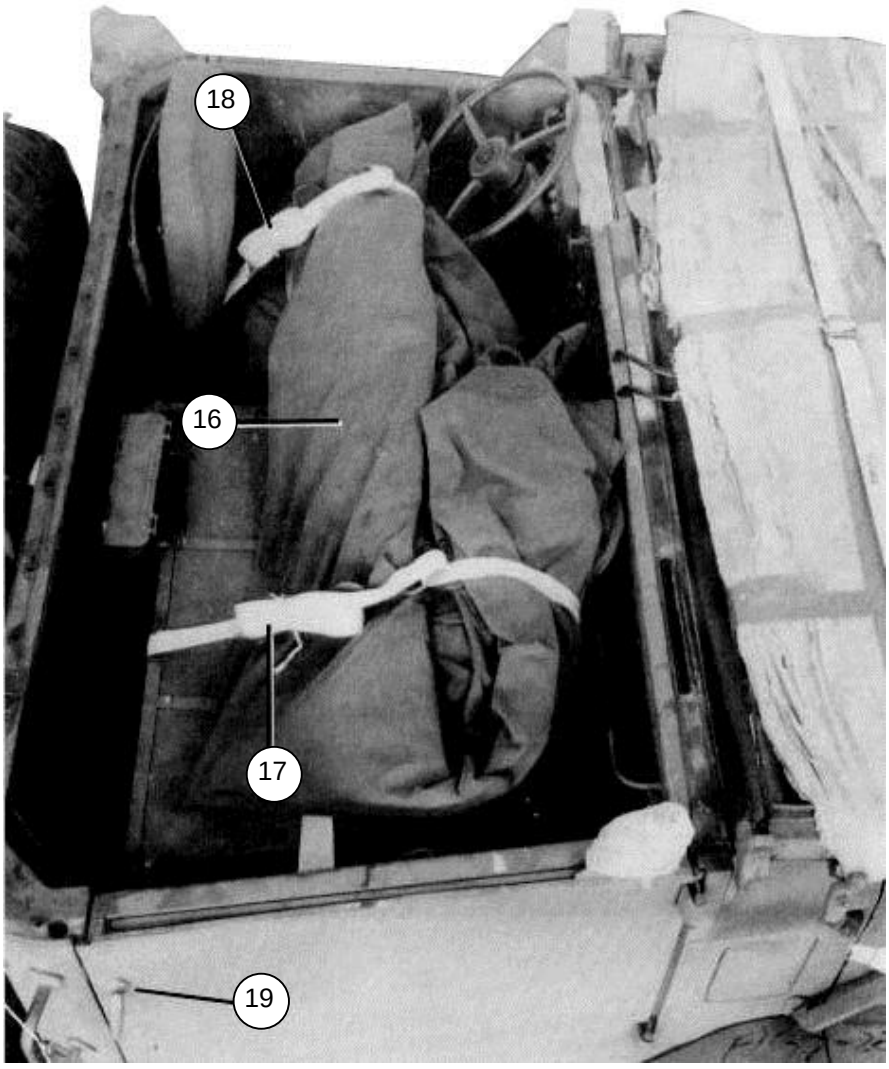
⑭ Place the air breather stack and the exhaust stack on the cover. Pad the sharp edges with cellulose wadding, and tape the wadding in place.

Note. Other small components may also be placed on the cover.



⑮ Wrap the cover over the items placed on it. Tie the cover in place with type III nylon cord.

Figure 5-22. Truck prepared (continued)



⑯ Place the wrapped equipment in the cover on the cab seats.

⑰ Pass the of 15-foot tiedown strap under the passenger seat and over the cover. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑱ Pass the end of a 15-foot tiedown strap between the back of the driver seat and seat portion of the driver seat, under the driver seat, and over the cover. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑲ Close and lock the doors.

Figure 5-22. Truck prepared (continued)



① Cover the instrument gages with tape.

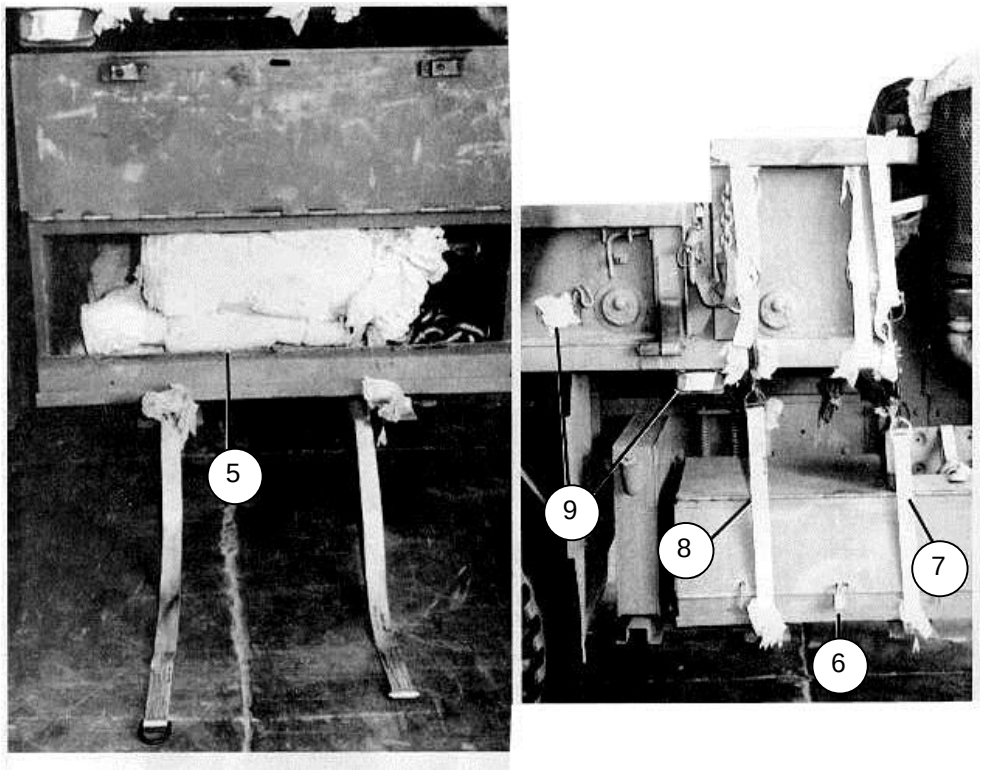
Note. Pad all sharp edges on doors and windshield brackets with cellulose wadding. Tape the wadding in place.

② Push the side mirror mounts against the doors. Pad the mounts with cellulose wadding, and tape the wadding in place.

③ Tie the battery box closed with type III nylon cord.

④ Pad the top of the muffler with cellulose wadding, and tape the wadding in place.

Figure 5-22. Truck prepared (continued)



⑤ Pad the tools in the toolbox with cellulose wadding. Pad the mirrors with cellulose wadding, and tape the wadding in place. Place the mirrors in the toolbox.

Note. Pad other small items with cellulose wadding and store them in the toolbox.

⑥ Close and secure the toolbox.

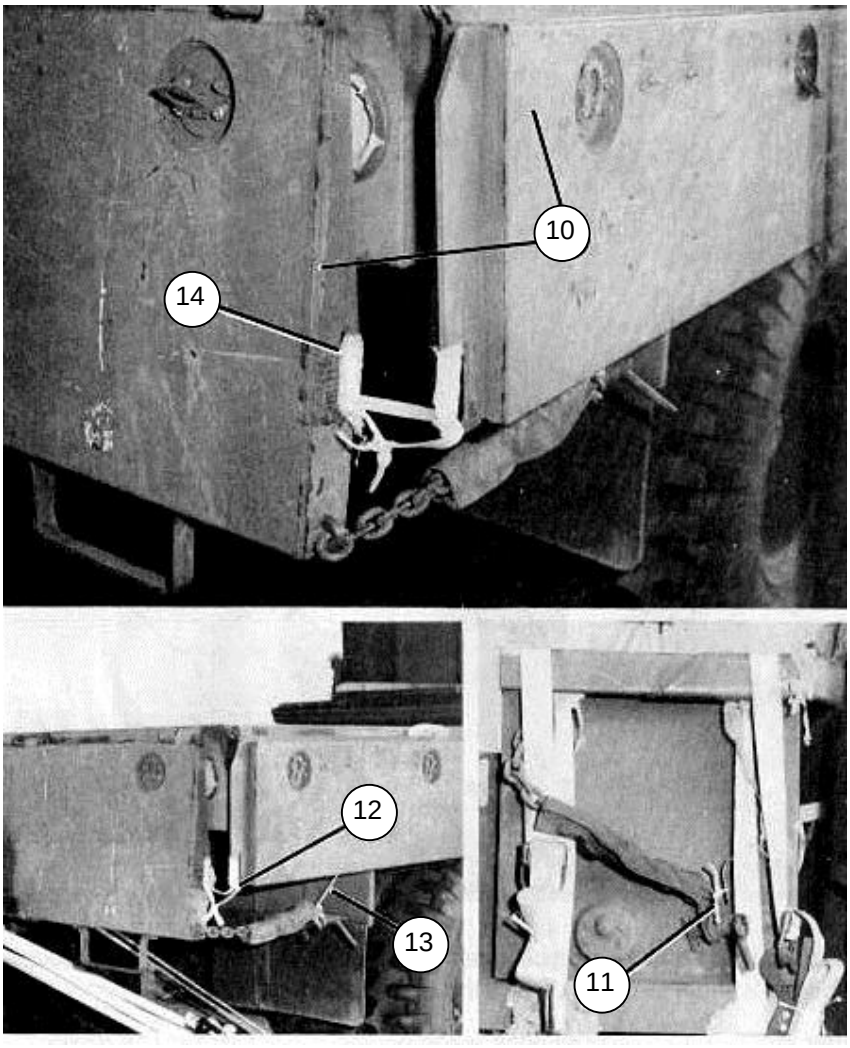
⑦ Pass the free end of a 15-foot tiedown strap down through the first side rack socket, through the front toolbox hanger, and under the toolbox. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑧ Pass the free end of a 15-foot tiedown strap down through the second side rack socket, through the rear toolbox hanger, and under the under the toolbox. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pad all sharp edges with cellulose wadding where the straps touch.

⑨ Tape all lights and reflectors on the truck body.

Figure 5-22. Truck prepared (continued)



⑩ Lower the tailgate and sides of the truck body.

⑪ Secure the front chains with type III nylon cord.

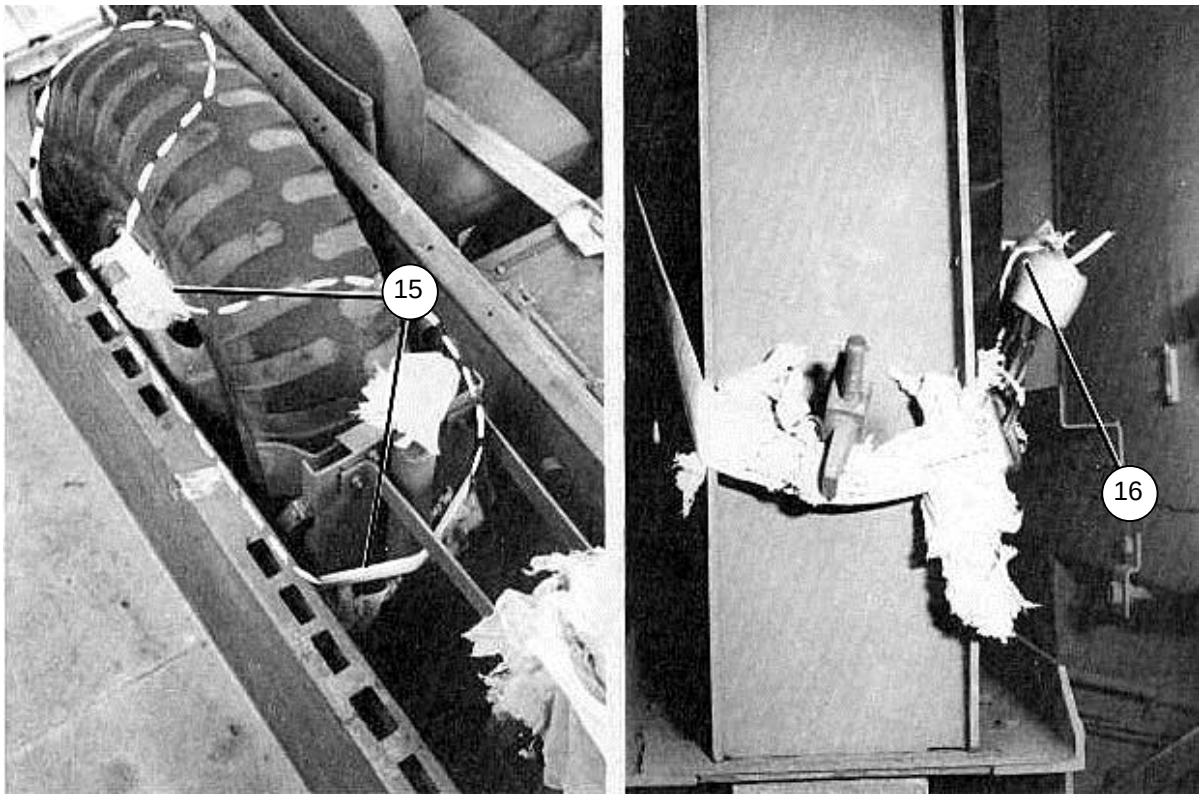
⑫ Tie both sides of the tailgate to the side bodies with ½-inch give in the tie.

Note. Do NOT pull the ½-inch webbing tight. Leave about ½-inch give in the tie.

⑬ Hook the chains to the side body tiedown rings. Tie the hooks to the side bodies with type III nylon cord.

⑭ Pass the free end of a 15-foot tiedown strap through the slot in the right side of the tailgate and through the rear tiedown provision. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Do not install a 15-foot tiedown strap on the left side of the truck.

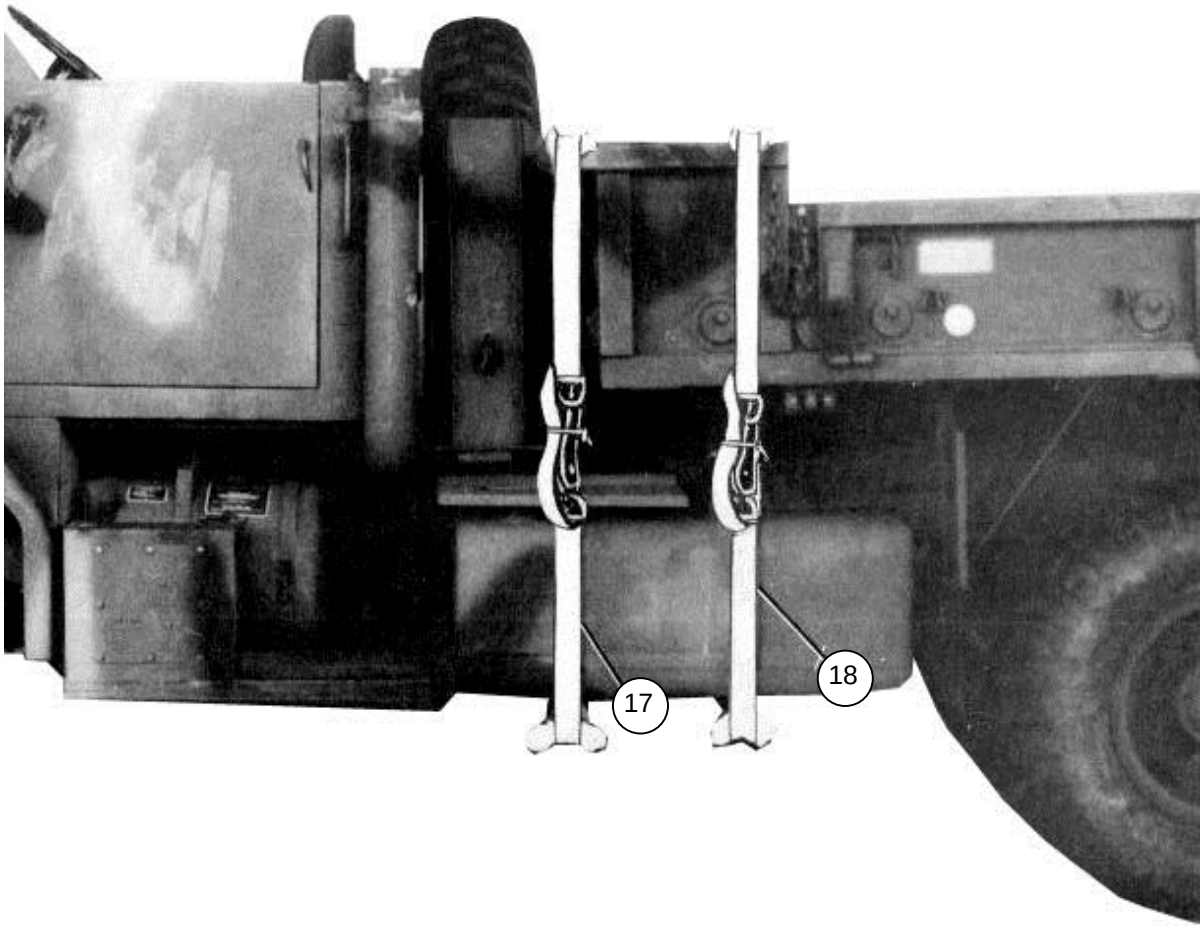
Figure 5-22. Truck prepared (continued)



⑮ Pass the end of a 15-foot tiedown strap around the spare tire brace in one hole in the spare tire and out another hole, around the center of the spare tire frame and to the outside of the left side of the truck.

⑯ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-22. Truck prepared (continued)

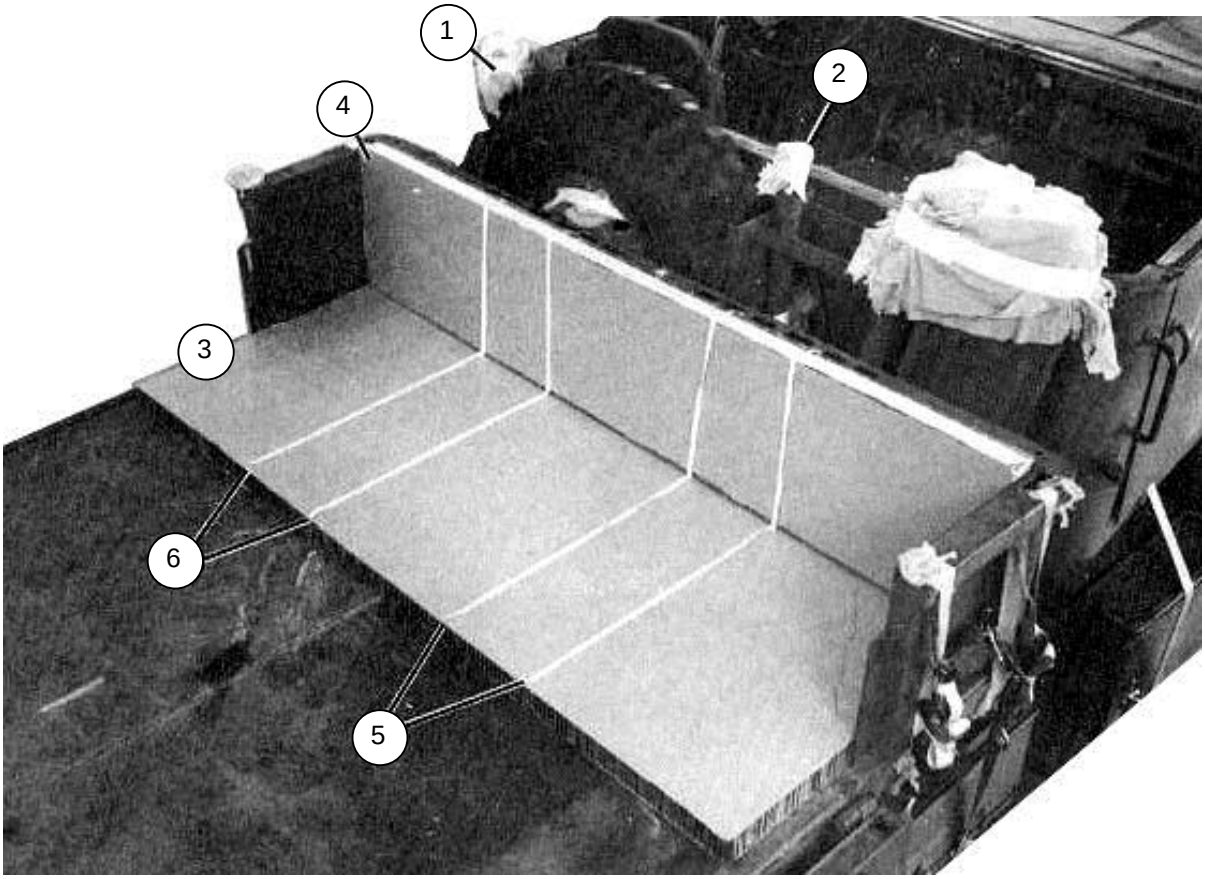


⑰ Pass free end of a 15-foot tiedown strap down the first side rack socket, through the front fuel tank hanger and under the fuel tank. Secure the ends of the strap according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑱ Pass the free end of a 15-foot tiedown strap down through the second side rack socket, through the rear fuel tank hanger and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pad all sharp edges with cellulose wadding where the straps touch.

Figure 5-22. Truck prepared (continued)



① Pad the air cleaner intake with cellulose wadding, and tape the wadding in place.

② Pad the davit boom brace with cellulose wadding, and tape the wadding in place.

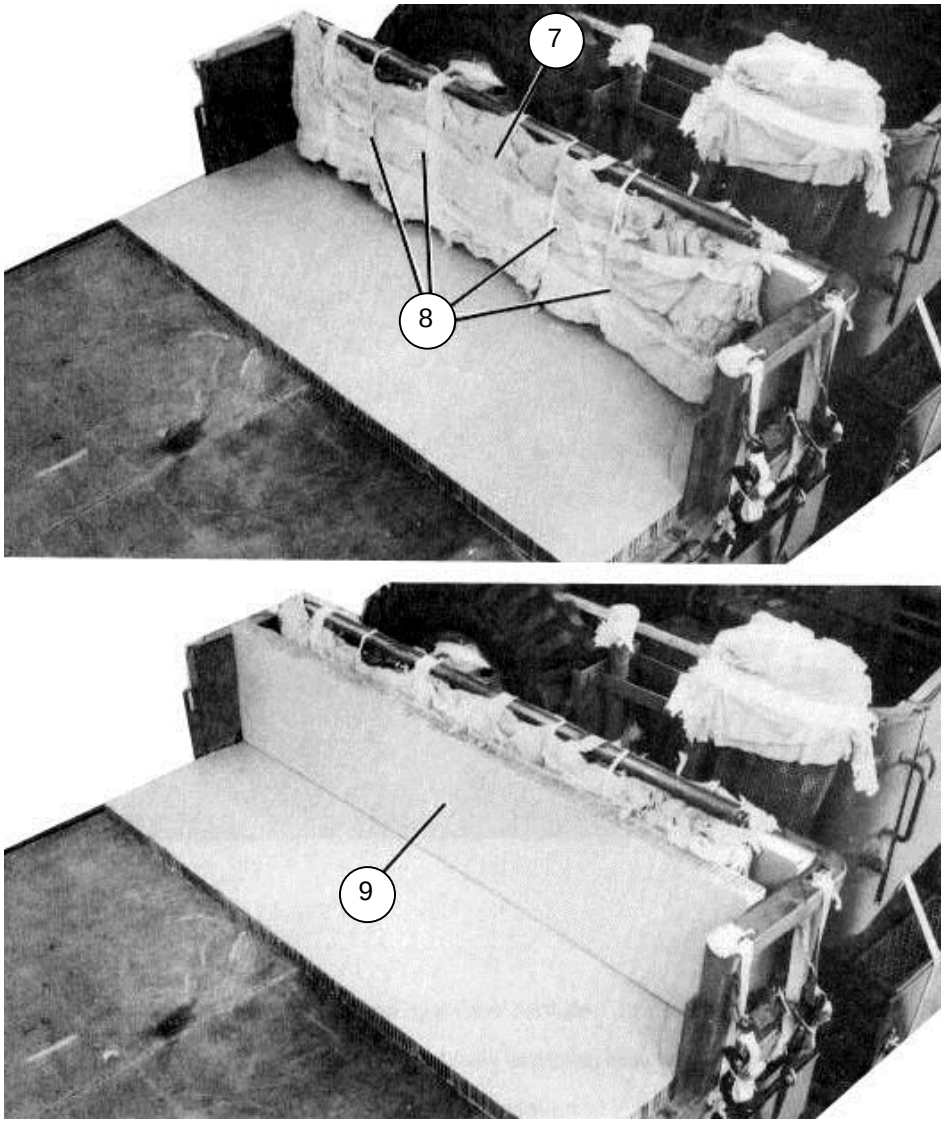
③ Place a 36- by 88-inch piece of honeycomb on the cargo body floor against the front of the truck body.

④ Place an 18- by 88-inch piece of honeycomb against the front of the truck body.

⑤ Pass one end of a 10-foot length of ½-inch tubular nylon webbing through one socket on the right side of the front of the truck body. Pass the same end of the ½-inch webbing over to another socket. Pass the end through the socket and even the ends of the webbing.

⑥ Install a second 10-foot length of ½-inch tubular nylon webbing on the left side as described in step 42 above.

Figure 5-22. Truck prepared (continued)

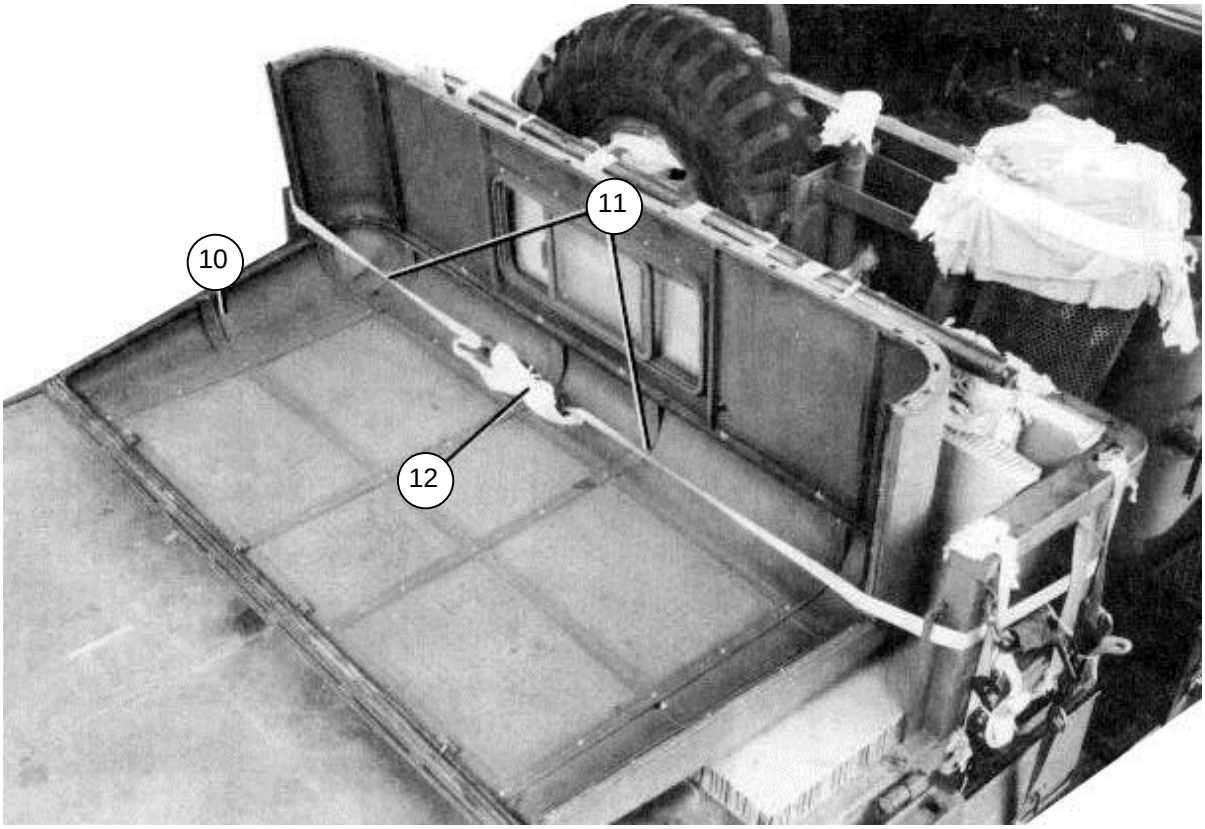


⑦ Pad the windshield with cellulose wadding and tape the wadding in place. Place the windshield on the 36- by 88-inch piece of honeycomb and against the 18- by 88-inch piece of honeycomb.

⑧ Tie the windshield in place with the ½-inch tubular nylon webbing positioned in steeps 42 and 43.

⑨ Place another 18- by 88-inch piece of honeycomb against the windshield.

Figure 5-22. Truck prepared (continued)



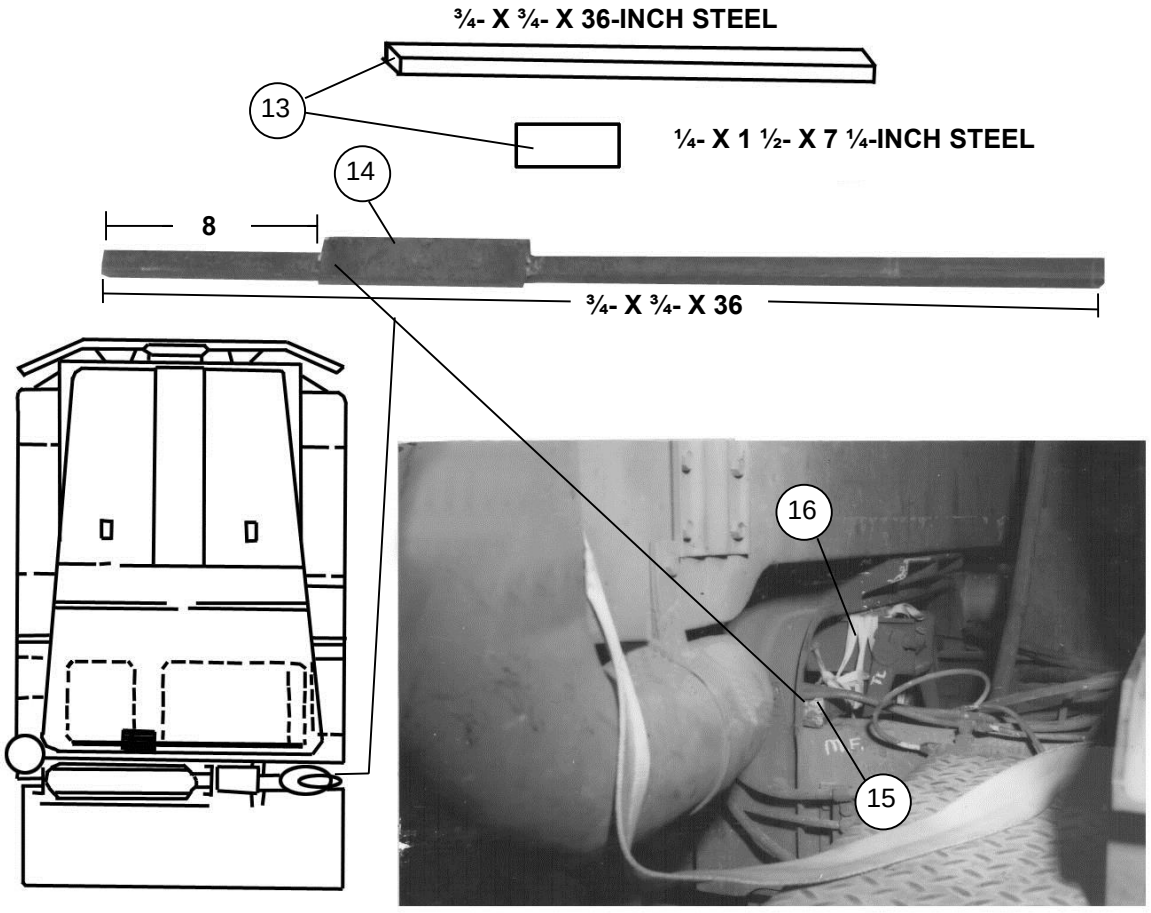
⑩ Place the hardtop cab cover on the 36- by 88-inch piece of honeycomb with the back of the hardtop cab cover against the 18- by 88-inch piece of honeycomb.

⑪ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass the strap around the front of the truck body, through the retainer slots and over the hardtop cab cover.

⑫ Secure the ends of the 30-foot strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-22. Truck prepared (continued)

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



⑬ Construct the components of a cab support bar using a ¼- by 1 ½- by 7 ¼-inch piece of steel and a ¾ by ¾- by 36-inch piece of steel.

Note. The 36-inch piece of steel must be ¾-inch thick. A single piece or a combination of pieces may be used to get the correct thickness. This item will be supplied by the unit.

⑭ Weld the pieces of steel together as shown.

⑮ Slide the bar in place with the 7 ¼-inch piece of steel up with one end of the bar over each main frame rail and the bar under the transfer link assembly support. The 7 ¼-inch metal plate must be closest to the left side of the truck.

Note. The bar must be positioned from the right side of the truck.

⑯ Tie each end of the bar securely in place with several turns of ½-inch tubular nylon webbing.

Figure 5-22. Truck prepared (continued)

BUILDING FRAME SUPPORT

5-6. Use the material in Figure 5-23 to build the frame support. Build the frame support as shown in Figure 5-24 on page 5-40.

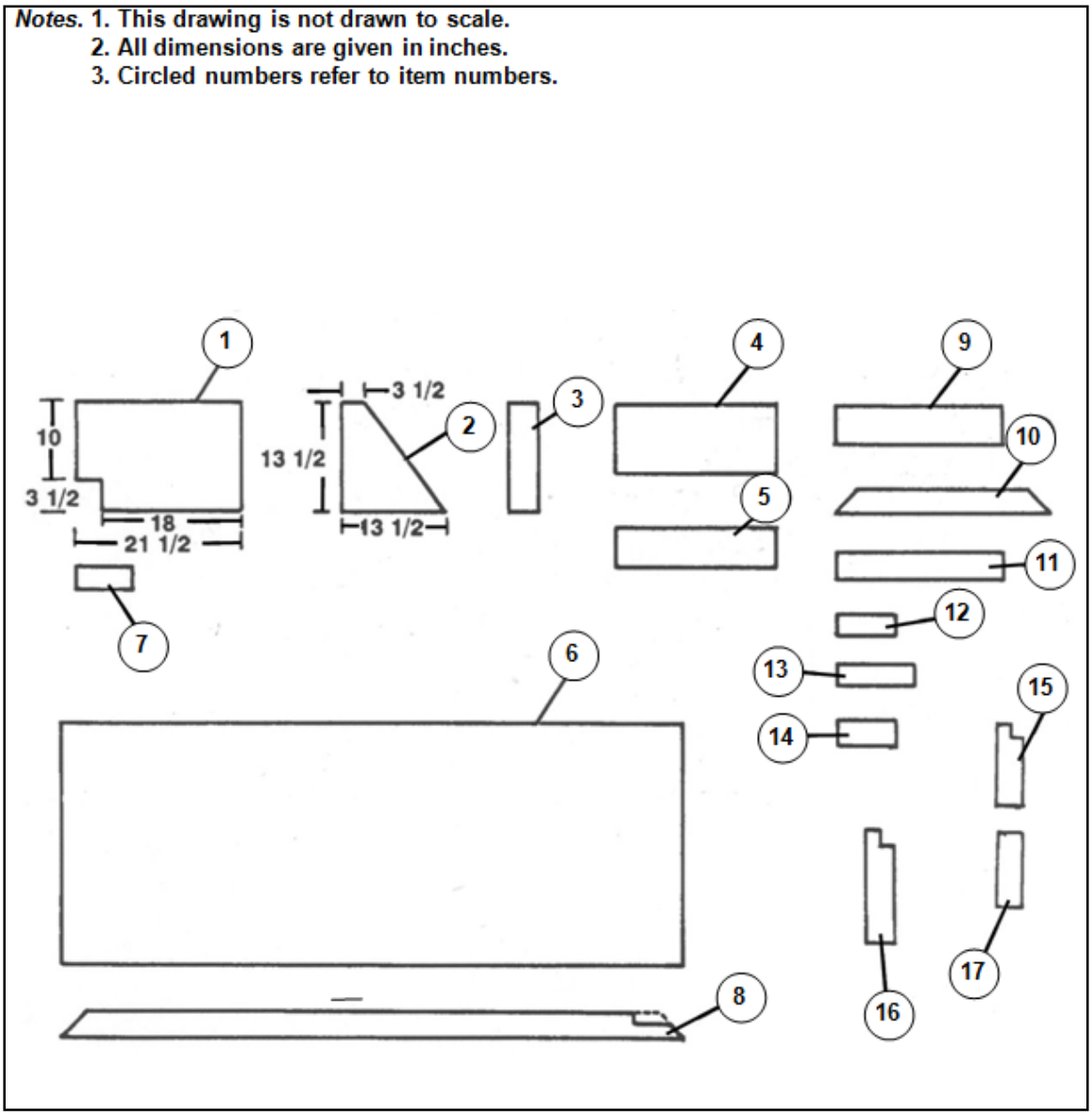
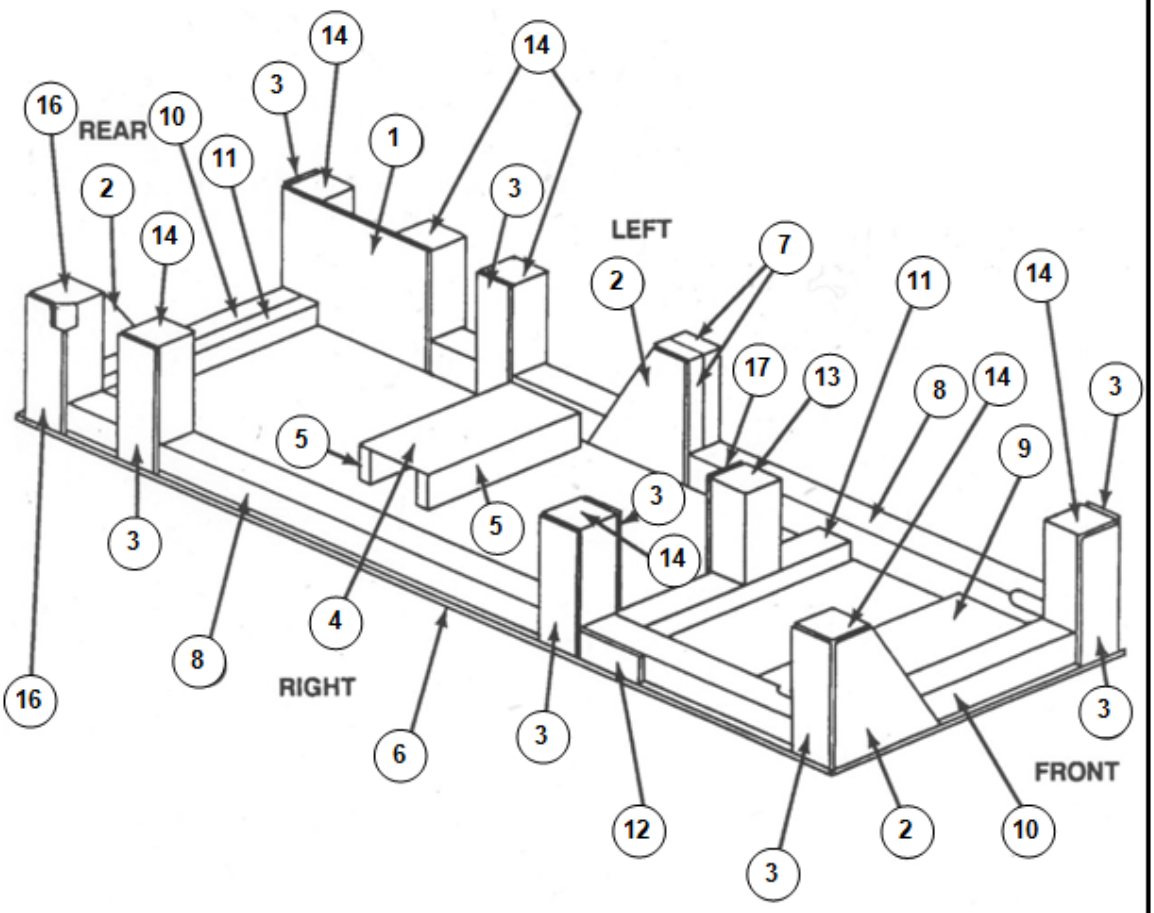


Figure 5-23. Material required for frame support

Item Number	Pieces	Width (Inches)	Length (Inches)	Material
1	1	13 ½	21 ½	¾-inch plywood
2	3	13 ½	13 ½	¾-inch plywood
3	8	3 ½	13 ½	¾-inch plywood
4	1	8 ½	20	¾-inch plywood
5	2	3 ½ (actual)	20	2- by 4-inch lumber
6	1	36	96	¾-inch plywood
7	2	3 ½ (actual)	10	2- by 4-inch lumber
8	2	3 ½ (actual)	96	4- by 4-inch lumber
9	1	5 ½ (actual)	26	2- by 6-inch lumber
10	2	3 ½ (actual)	33	4- by 4-inch lumber
11	2	3 ½ (actual)	26	2- by 4-inch lumber
12	1	3 ½ (actual)	10 ½	4- by 4-inch lumber
13	1	3 ½ (actual)	10	4- by 4-inch lumber
14	7	3 ½	13 ½	¾-inch plywood
15	1	3 ½	12 ¼	¾-inch plywood
16	1	3 ½ (actual)	10	4- by 4-inch lumber
17	1	3 ½ (actual)	13 ½	¾-inch plywood

Figure 5-23. Material required for frame support (continued)

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-23.
3. This drawing is not drawn to scale.



Steps:

1. Construct the frame support as shown.
2. Secure the plywood and lumber in place, as shown, with eight-penny sixteen-penny nails.

Figure 5-24. Frame support constructed

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-23.
3. This drawing is not drawn to scale.

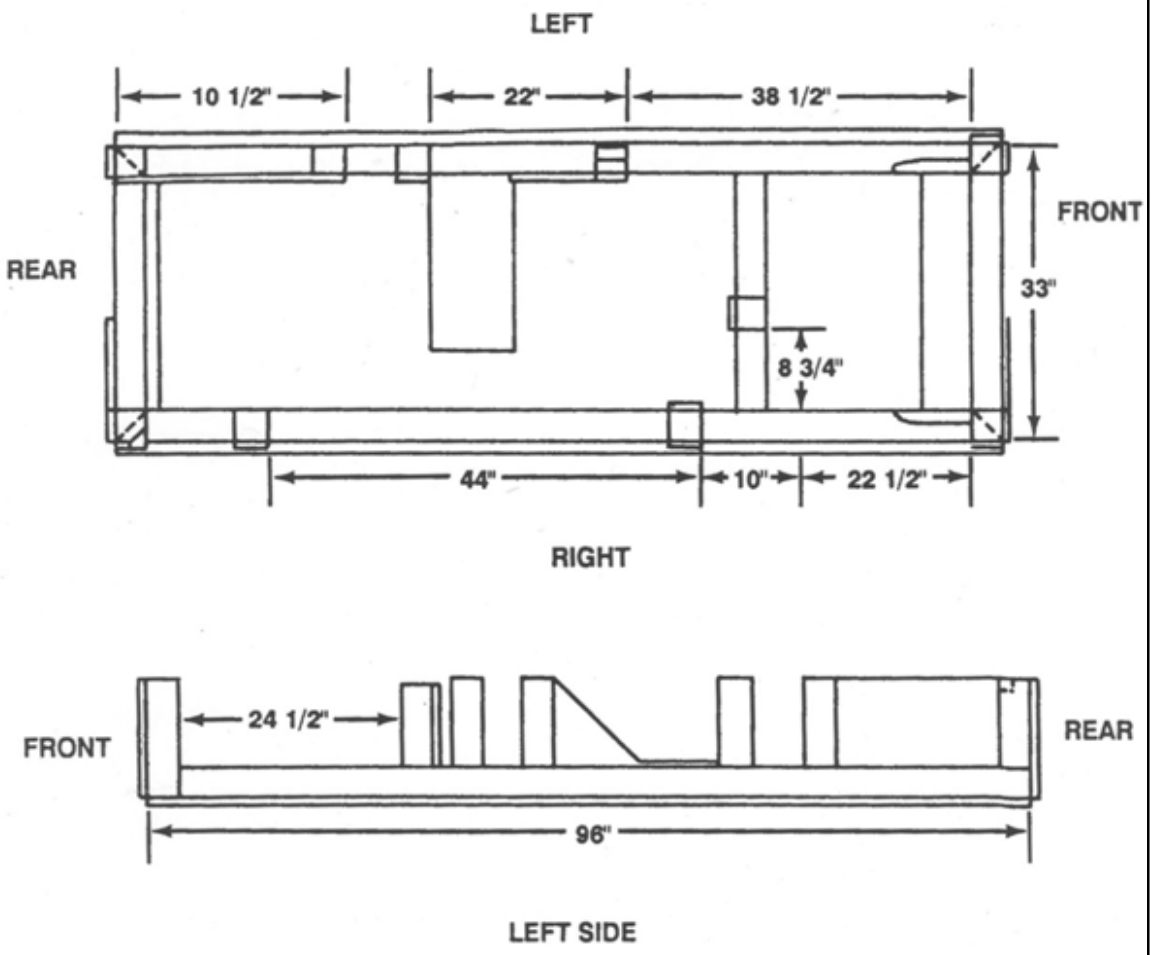
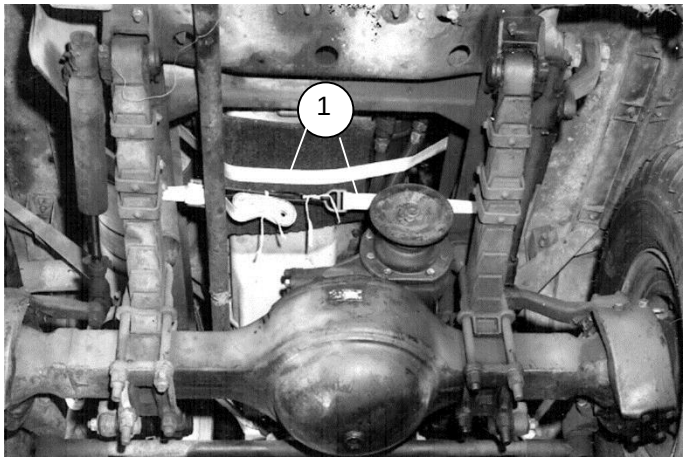
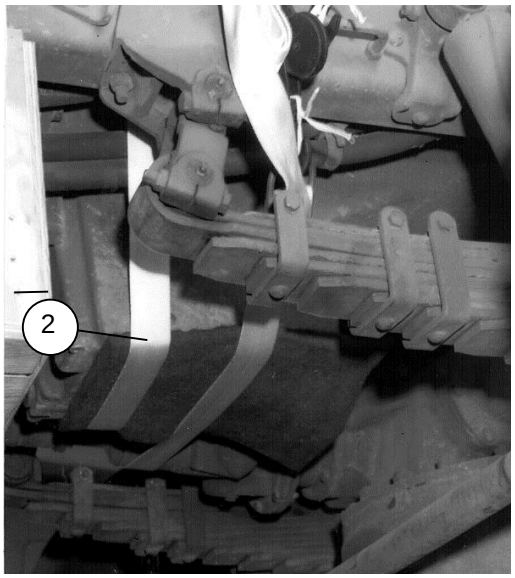


Figure 5-24. Frame support constructed (continued)

INSTALLING ENGINE SUPPORTS AND FRAME SUPPORT

5-7. Install the engine supports and the frame support as shown in Figures 5-25 and 5-26 using four 15-foot tiedown straps.





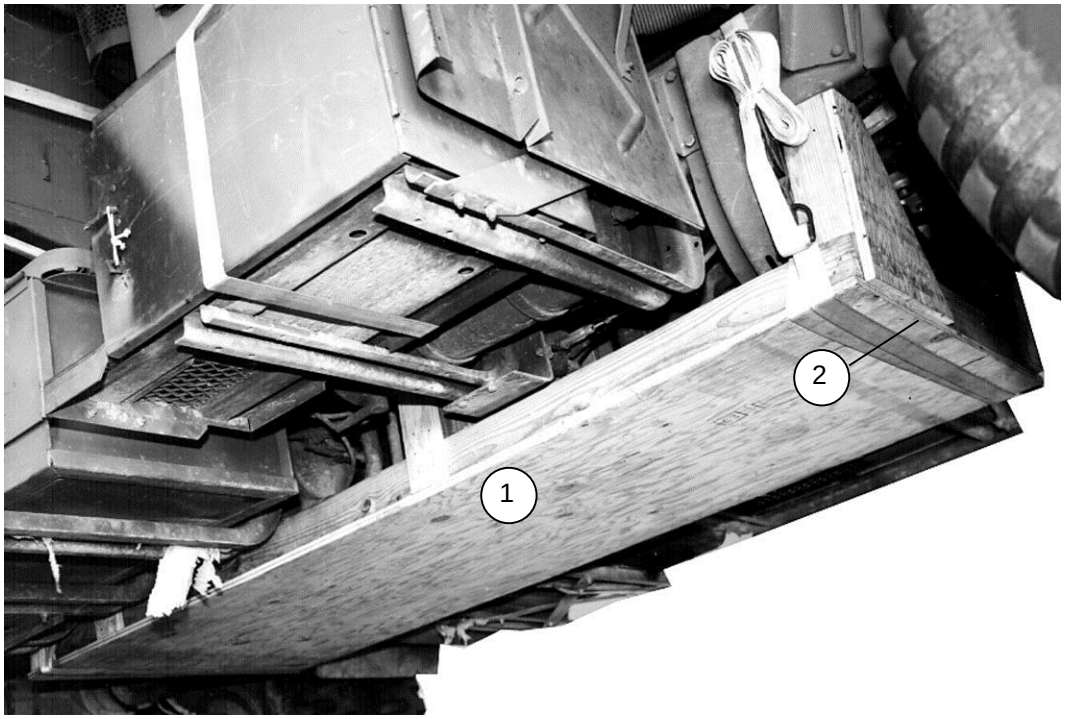
① Pass the end of a 15-foot tiedown strap around the right frame rail, under the front part of the oil pan, and around the left frame rail. Place a 12- by 12-inch piece of felt between the oil pan and strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a second 15-foot tiedown strap as explained in step 1 above, except under the rear of the oil pan. Place 12- by 12-inch piece of felt between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-25. Engine supports installed

CAUTION

Ensure the frame support is not placed on hydraulic lines.



① Position the frame support under the mainframe as shown.

② Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass one end of the strap around one mainframe rail near the front of the frame support. Pass the other end of the strap under the frame support and around the other mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Install a second 30-foot tiedown strap near the rear of the frame support, adapting the procedures in step 2 above.

Note. Position the load binders on the side of the frame support so that they will not touch the honeycomb stack.

Figure 5-26. Frame support installed

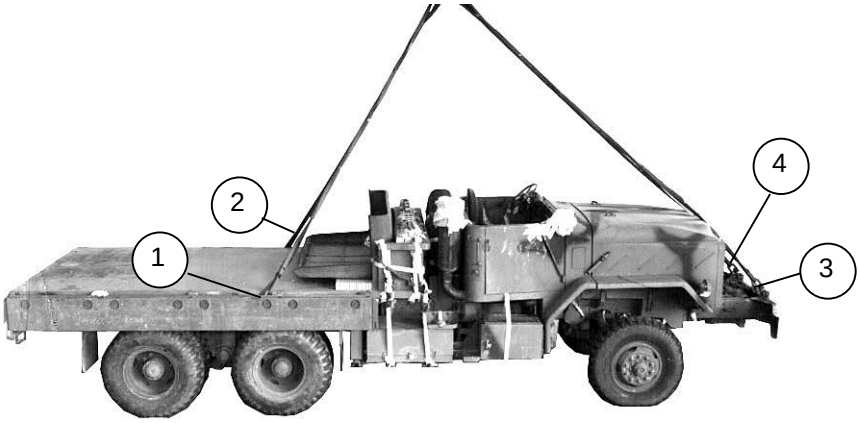
POSITIONING TRUCK

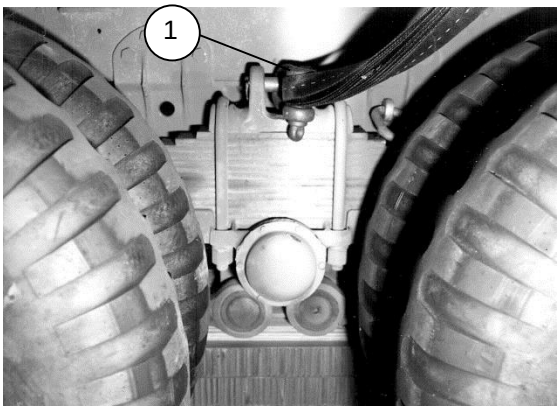
5-8. Position the truck as described below.

- Install four 16-foot (4-loop), type XXVI nylon webbing slings as shown in Figure 5-27.
- Position the truck on the honeycomb stacks as shown in Figure 5-28.
- Remove the slings as shown in Figure 5-28.

Note. Other slings of equal or greater strength may be used to lift the truck.

Note. Pad or tape the area where the slings touch the truck to protect the slings.





① Pass the end of a 16-foot (4-loop), type XXVI nylon webbing sling between the side body and the body floor of the truck. Attach the end of the sling to the spring saddle with a screw-pin clevis.

② Install another sling on the other side of the truck as described in step 1 above.

③ Attach the end of a 16-foot (4-loop), type XXVI nylon webbing sling to a front lifting shackle with a large clevis.

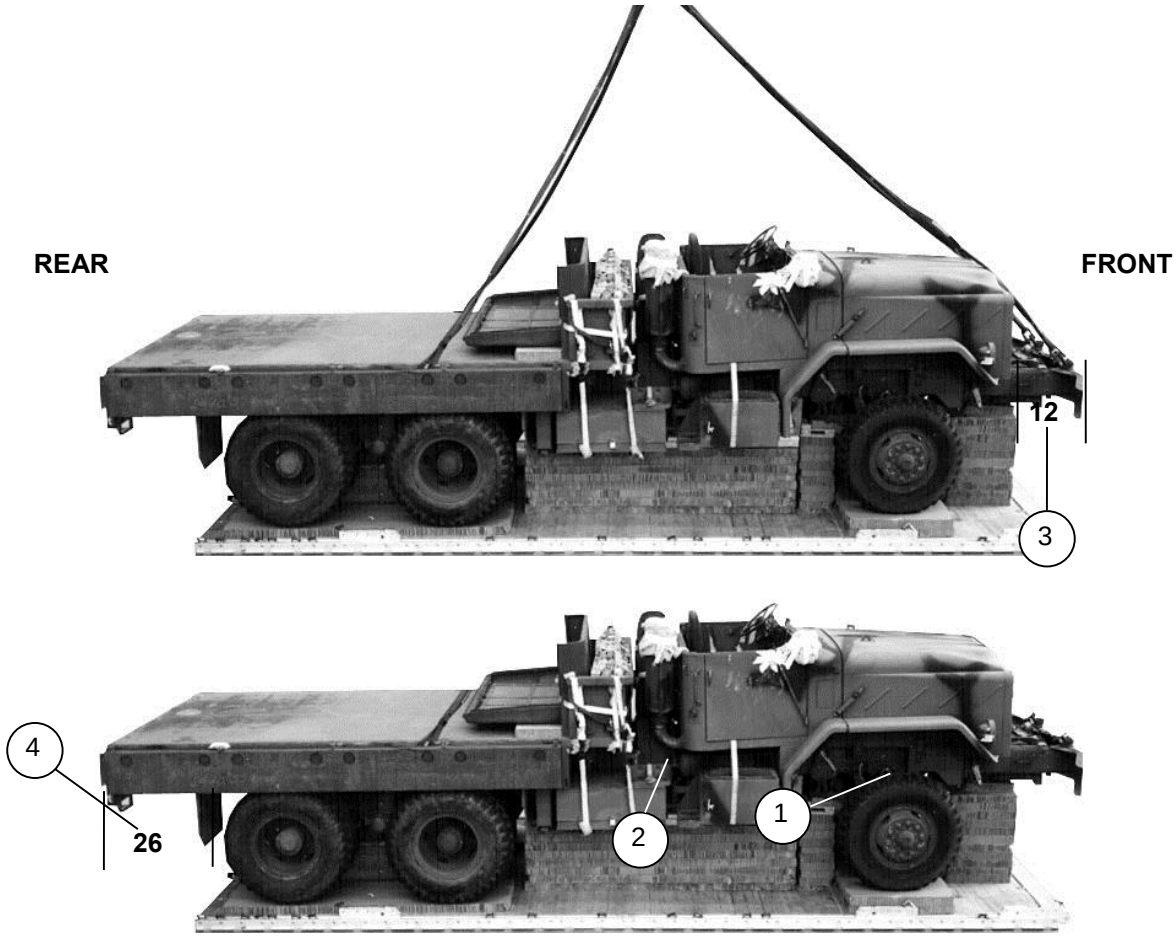
④ Install another sling on the other side of the truck as described in step 3 above.

Note. After slings are attached to the truck and the lifting device, place the transmission lever in neutral and release the brakes.

Figure 5-27. Lifting slings installed

Notes. 1. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.

2. All Dimensions are given in inches.



Lift the truck with the lifting slings, and position it on the honeycomb stacks with:

① The front axle centered on stack 2.

② The frame support centered on stack 4.

③ The front bumper overhanging the front of the platform by 12 inches.

④ The rear of the truck overhanging the rear of the platform by 26 inches.

Note. After the truck is positioned remove the lifting slings.

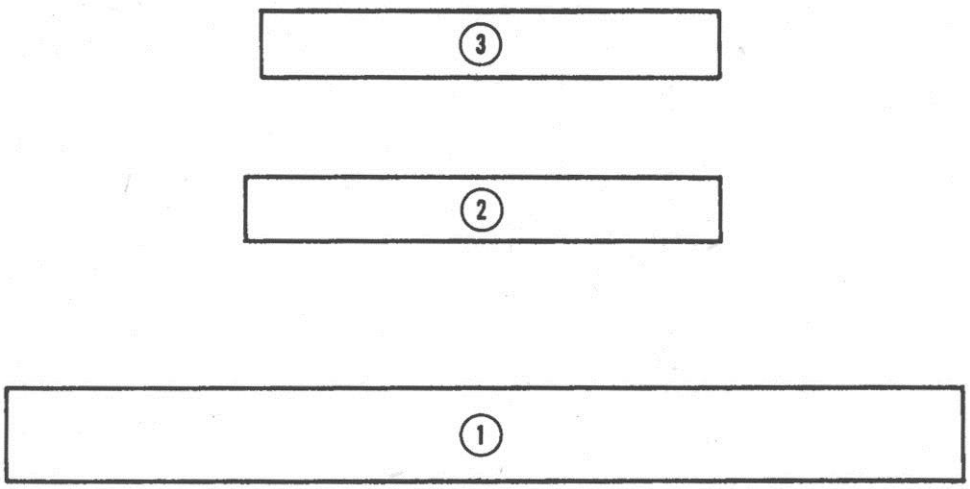
Figure 5-28. Truck positioned

CONSTRUCTING AND INSTALLING FRONT SUSPENSION SLING SPREADERS

5-9. Construct and install the front suspension sling spreaders as described below referencing figures on the following pages.

- Construct the front suspension sling spreaders as shown in Figures 5-29 through 5-32.
- Install the front suspension sling spreaders as shown in Figure 5-33.

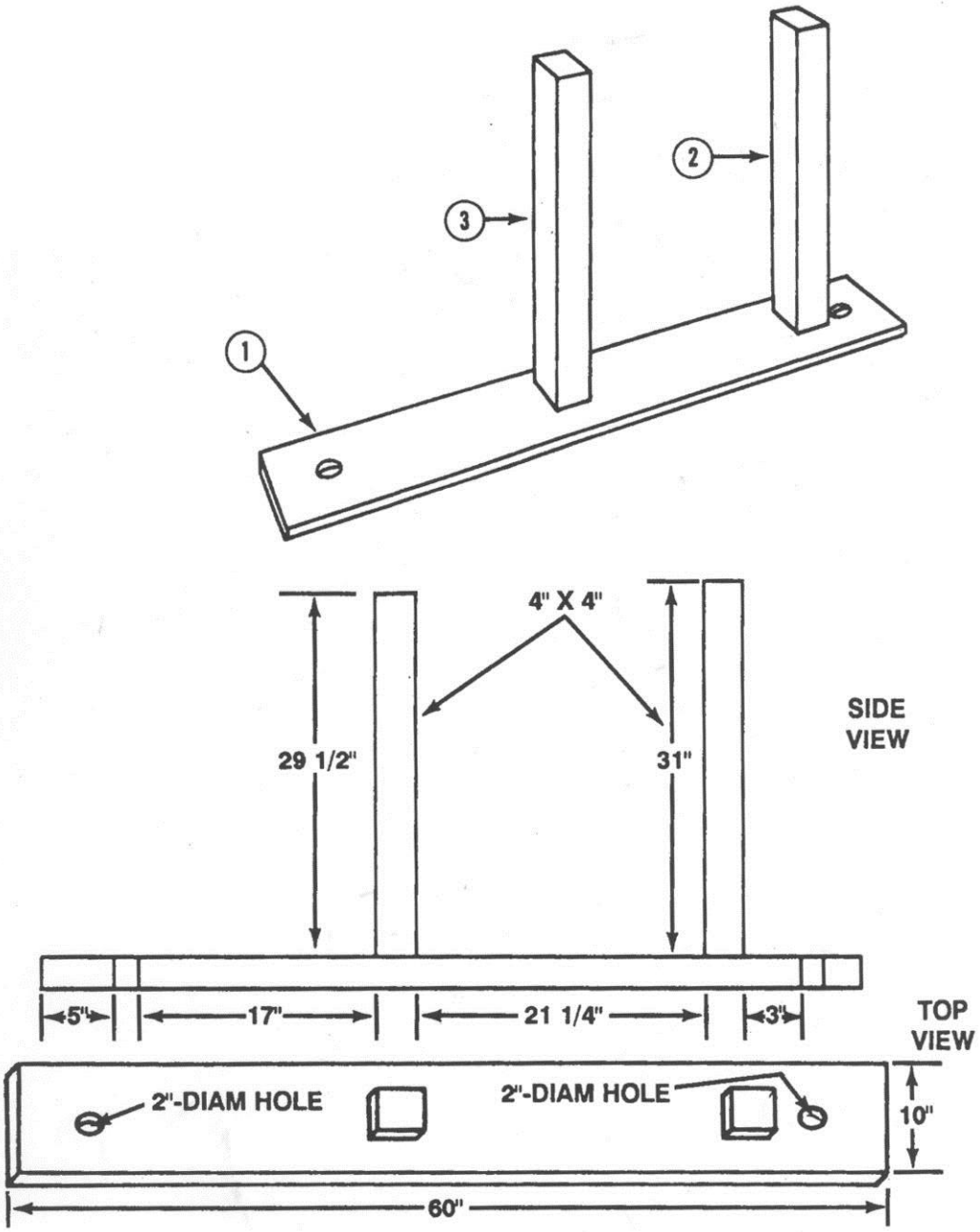
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾	60	2- by 10-inch lumber
2	1	3 ½ (actual)	31	4- by 4-inch lumber
3	1	3 ½ (actual)	29 ½	4- by 4-inch lumber

Figure 5-29. Material required for left front suspension sling spreader

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-23.
3. This drawing is not drawn to scale.

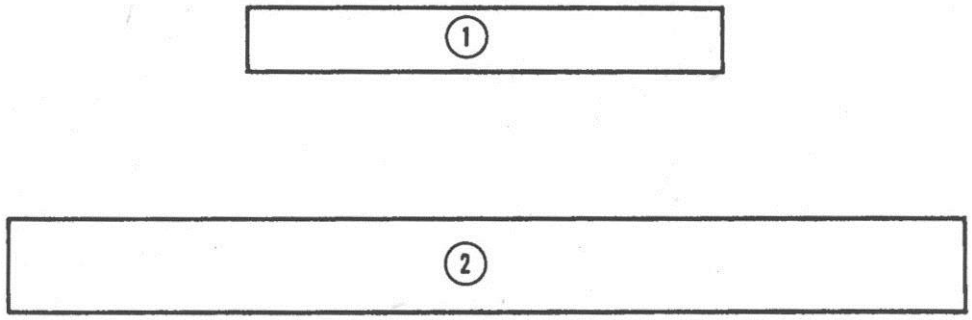


Steps:

1. Construct a left front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 5-30. Left front suspension sling spreader constructed

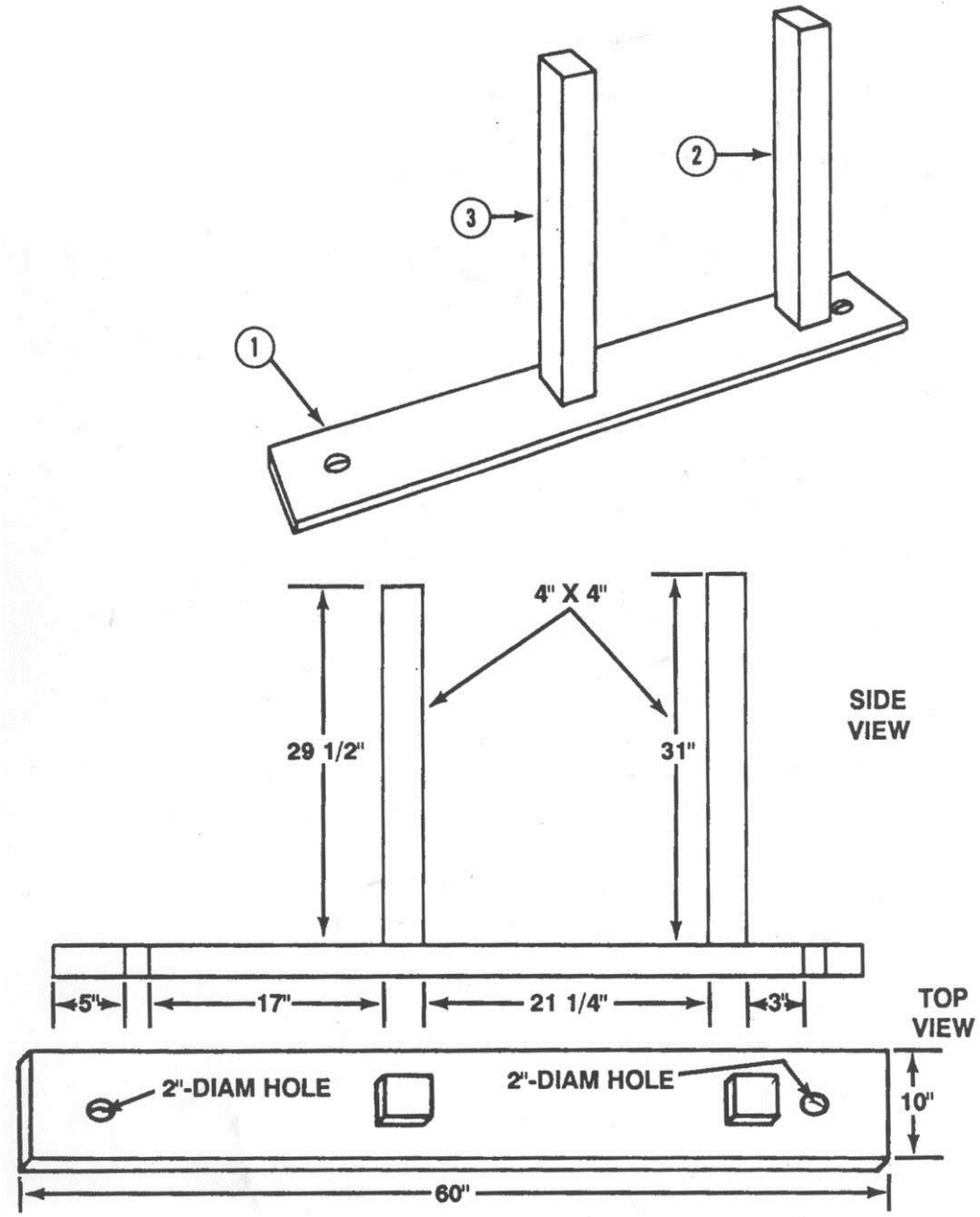
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾ (actual)	60	2- by 10-inch lumber
2	3	3 ½ (actual)	30 ¾	4- by 4-inch lumber

Figure 5-31. Material required for right front suspension sling spreader

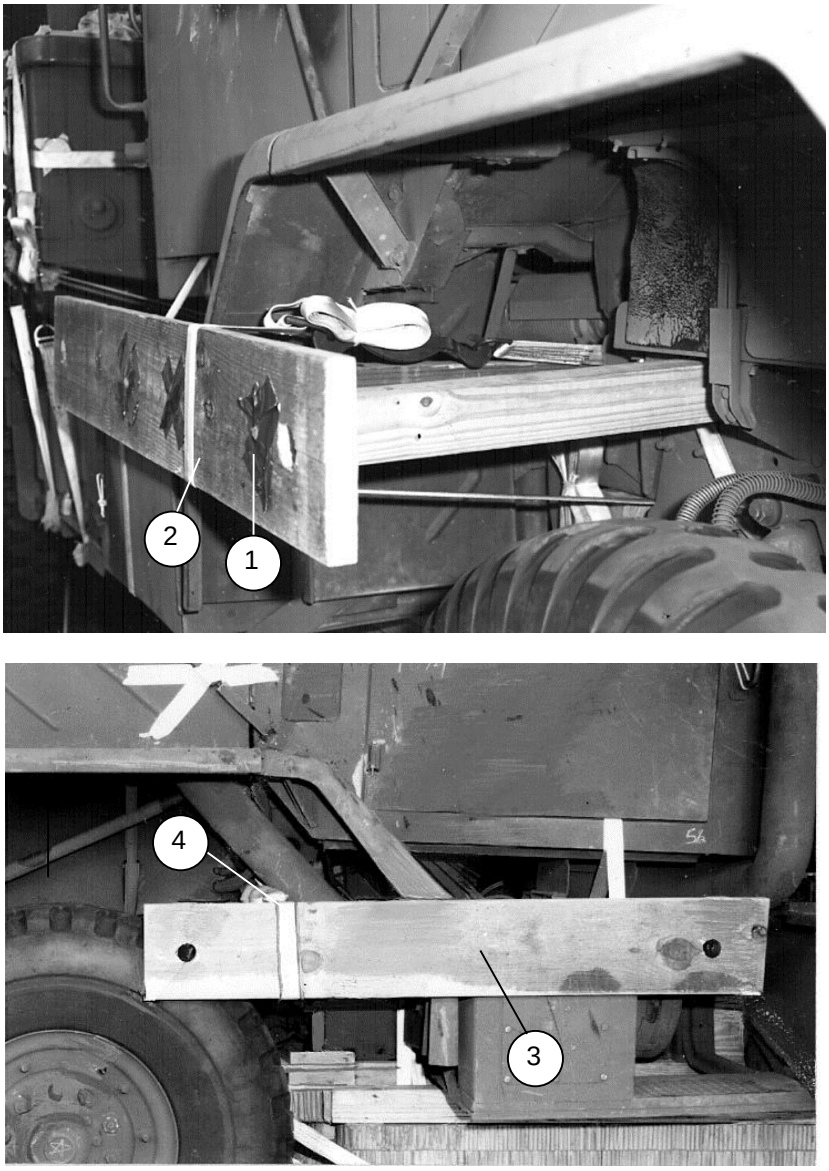
Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-23.
3. This drawing is not drawn to scale.



Steps:

1. Construct a right front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 5-32. Right front suspension sling spreader constructed



① Position the right front suspension sling spreader against the mainframe of the truck as shown.

② Pass the free end of a 15-foot tiedown strap around the mainframe and around the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Position the left front suspension sling spreader against the mainframe of the truck as shown.

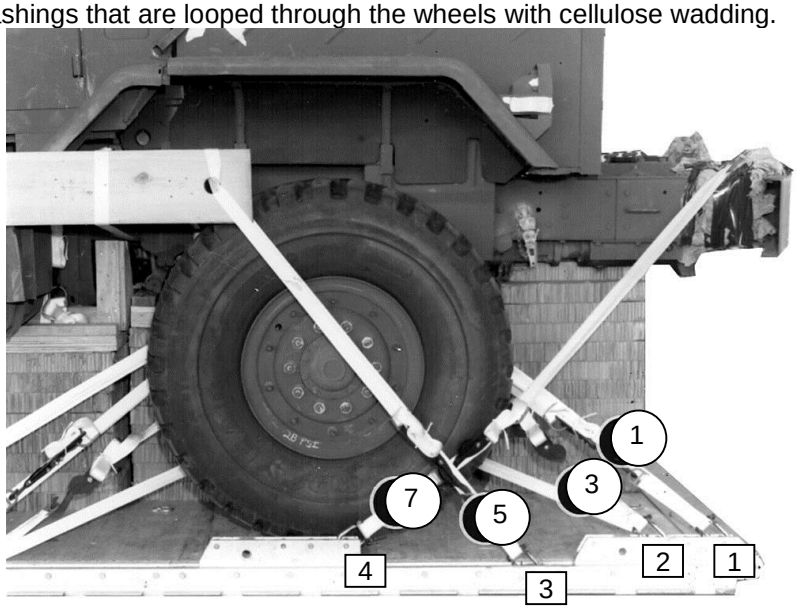
④ Pass the free end of a 15-foot tiedown strap around the mainframe and around the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-33. Front Suspension Sling Spreaders Installed

INSTALLING LASHINGS

5-10. Lash the truck to the platform using thirty 15-foot tiedown assemblies as shown in Figures 5-34 through 5-38 on pages 5-51 through 5-55. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

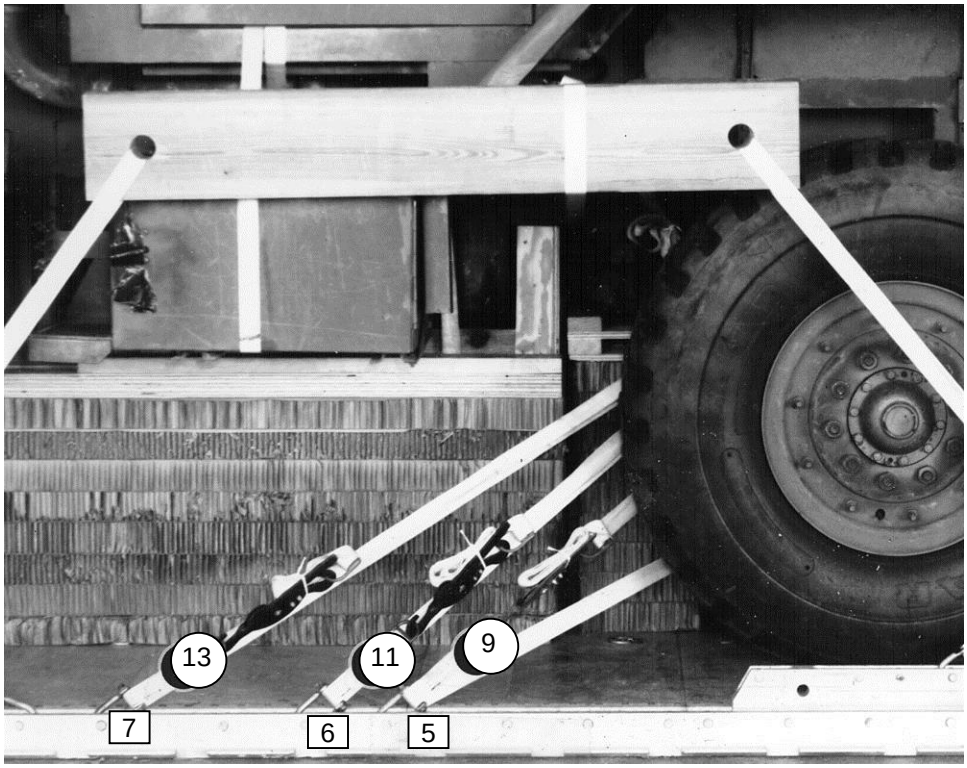
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
1	1	Through the front special tiedown provision on the right mainframe.
2	1A	Through the front special tiedown provision on the left mainframe.
3	2	Through the front wheel, right side.
4	2A	Through the front wheel, left side.
5	3	Through the front hole in the right front suspension sling spreader.
6	3A	Through the front hole in the left front suspension sling spreader.
7	4	Through the front lifting shackle, right side.
8	4A	Through the front lifting shackle, left side

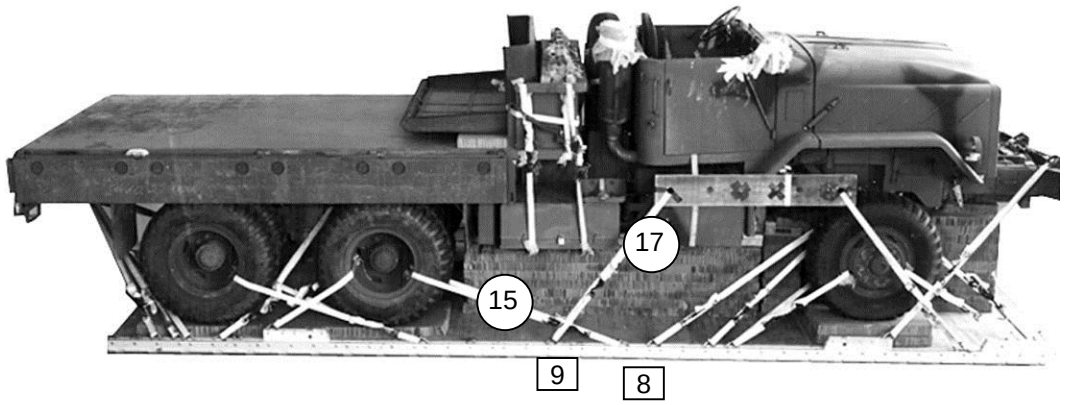
Note. See Figure 5-22, step 6, for the location of the front special tiedown provisions.

Figure 5-34. Lashings 1 through 8 installed



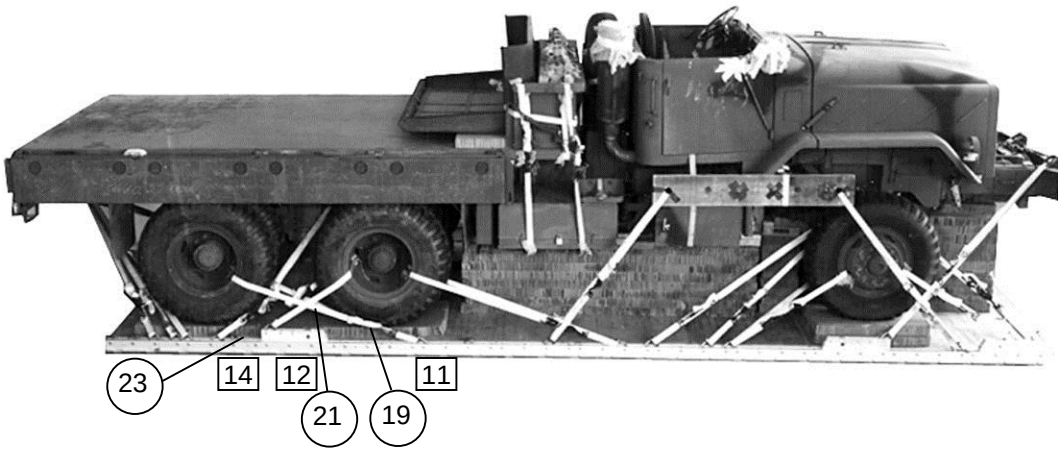
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
9	5	Through the front wheel, right side.
10	5A	Through the front wheel, left side.
11	6	Through the front special tiedown provision on the right mainframe.
12	6A	Through the front special tiedown provision on the left mainframe.
13	7	Through the front special tiedown provision on the right mainframe.
14	7A	Through the front special tiedown provision on the left mainframe.

Figure 5-35. Lashings 9 through 14 installed



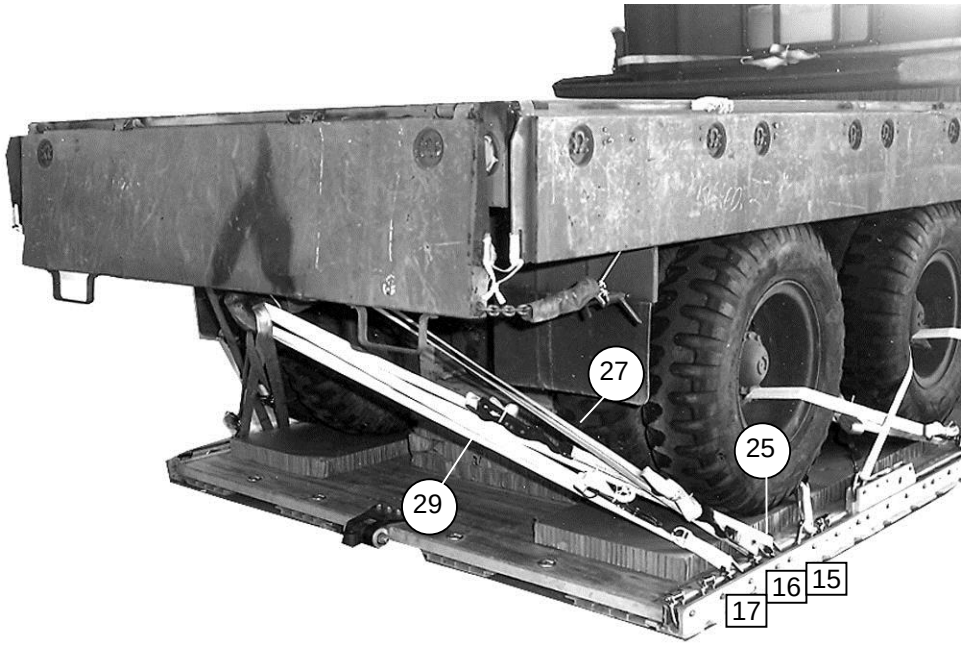
Lashing Number	*Tiedown Clevis Number*	*Instructions*
15 16 17 18	8 8A 9 9A	Pass lashing: Through the front outside dual wheel, right side. Through the front outside dual wheel, left side. Through the rear hole in the right front suspension sling spreader. Through the rear hole in the left front suspension sling spreader.

Figure 5-36. Lashings 15 through 18 installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
19 20 21 22 23 24	11 11A 12 12A 14 14A	Pass lashing: Through the rear outside dual wheel, right side. Through the rear outside dual wheel, left side. Through the front outside dual wheel, right side. Through the front outside dual wheel, left side. Through the special tiedown provision on the right mainframe. Through the special tiedown provision on the left mainframe.
Note. See Figure 5-22, step 7, for the locations of the rear special tiedown provisions.		

Figure 5-37. Lashings 19 through 24 installed



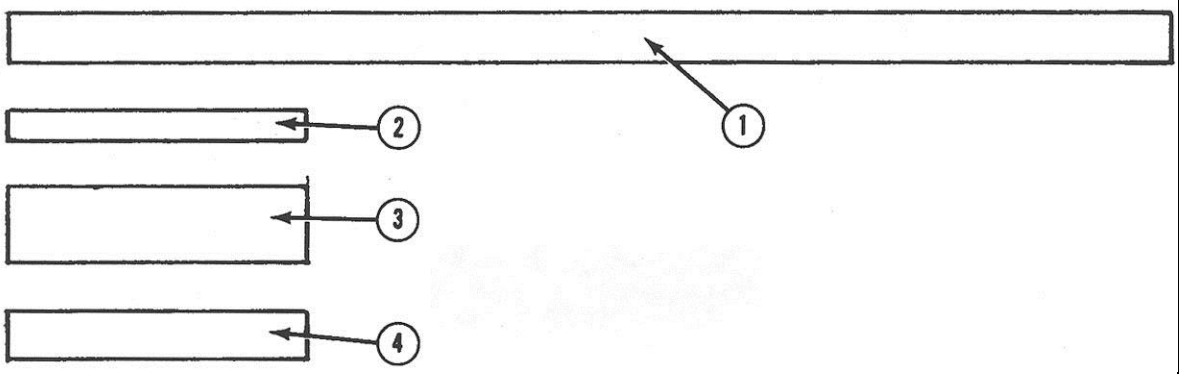
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
25	15	Through the towing pintle.
26	15A	Through the towing pintle.
27	16	Through the rear towing shackle, right side.
28	16A	Through the rear towing shackle, left side.
29	17	Through the towing pintle.
30	17A	Through the towing pintle.

Figure 5-38. Lashings 25 through 30 installed

CONSTRUCTING AND INSTALLING REAR SUSPENSION SLING SPREADER

5-11. Use the material in Figure 5-39 to build the rear suspension sling spreader. Construct the rear suspension sling spreader as shown in Figure 5-40. Install the rear suspension sling spreader as shown in Figure 5-41.

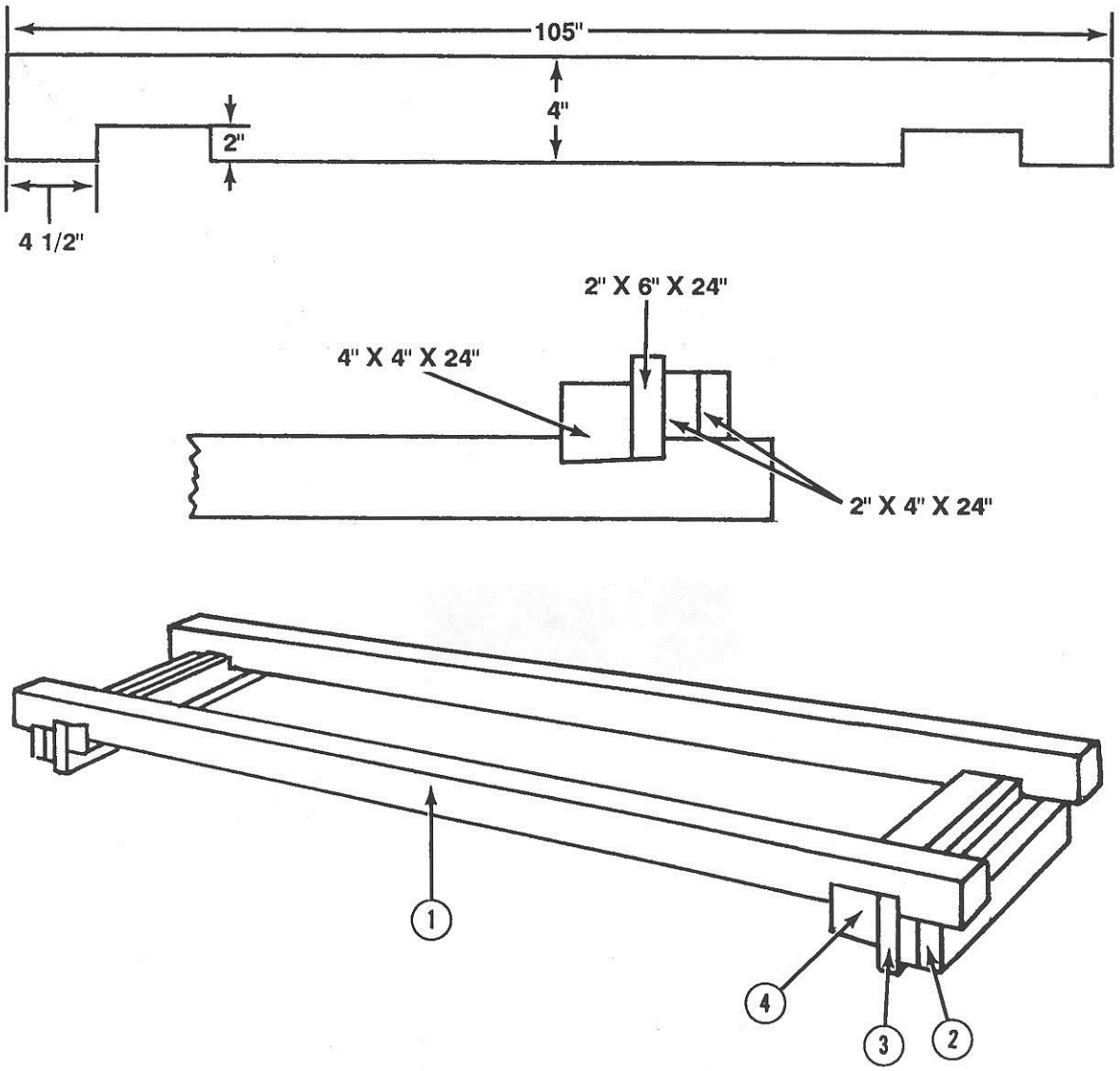
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	1 ¾ (actual)	105	4- by 4-inch lumber
2	4	1 ¾ (actual)	24	2- by 4-inch lumber
3	2	1 ¾ (actual)	24	2- by 6-inch lumber
4	2	3 ½ (actual)	24	4- by 4-inch lumber

Figure 5-39. Material required for the rear suspension sling spreader

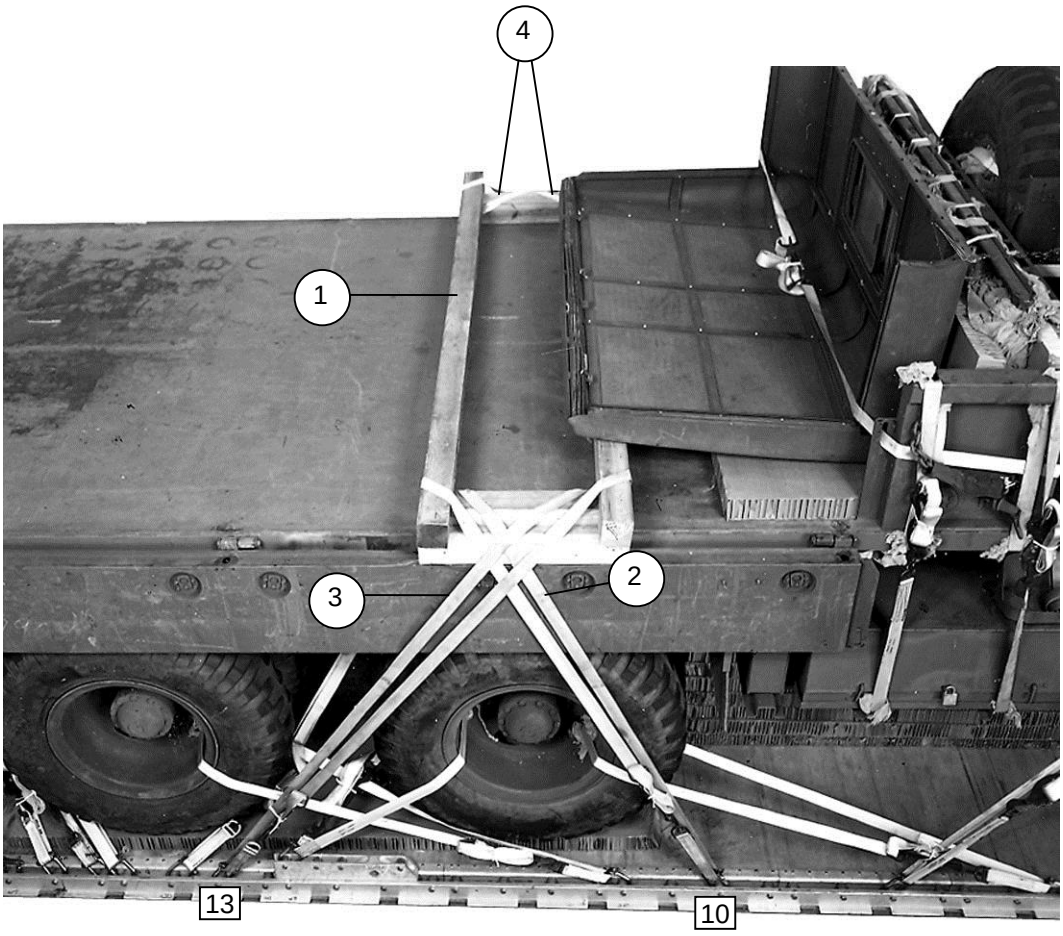
Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-39.
3. This drawing is not drawn to scale.



Steps:

1. Construct a rear suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 5-40. Rear suspension sling spreader constructed



① Center the rear suspension sling spreader on the truck body and over the front dual wheels. Make sure the notched portion of the 2- by 6-inch lumber is over the second (from the front) side body hinge.

② Pass the free end of a 15-foot tiedown strap around the rear 4- by 4- by 105-inch piece of lumber on the right side of the truck. Pass the free end of the lashing through clevis 10. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

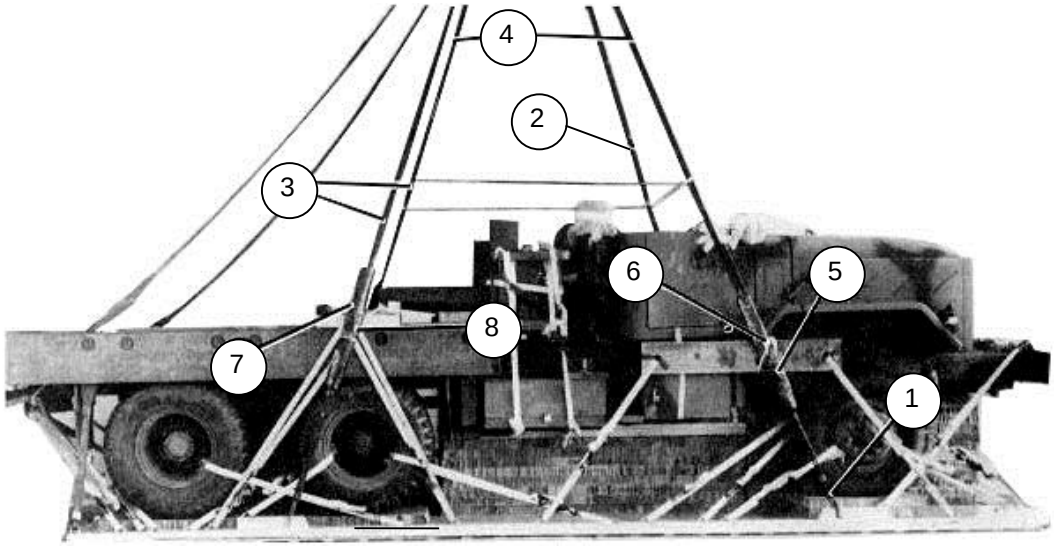
③ Pass the free end of a 15-foot tiedown strap around the front 4- by 4- by 105-inch piece of lumber on the right side of the truck. Pass the free end of the lashing through clevis 13. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Adapt the procedures in steps 2 and 3 above and secure the left side of the rear suspension.

Figure 5-41. Rear suspension sling spreader installed

INSTALLING SUSPENSION SLINGS AND ANTITUMBLE SLINGS

5-12. Install the suspension slings and antitumble slings as shown in Figure 5-42 on the following pages.



① Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the right front suspension link.

② Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the left front suspension link.

③ Using two 16-foot, (4-loop), type XXVI nylon webbing slings, adapt the procedures in steps 1 and 2 above and install the rear suspension slings to the rear suspension links.

④ Pull the suspension slings tight above the load.

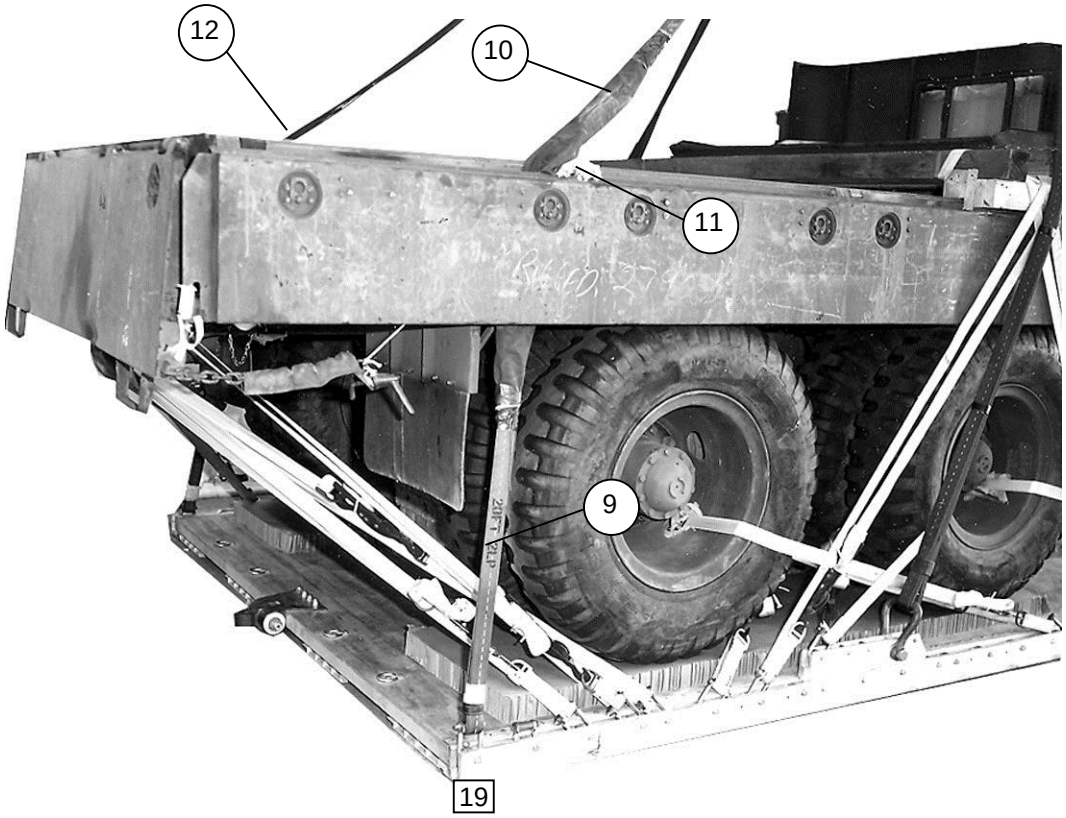
⑤ Wrap a 15- by 36-inch piece of felt around each front suspension sling 30 inches from the large clevis. Tape the felt in place.

⑥ Tie each front suspension sling to the front suspension sling spreader with a turn of ½-inch tubular nylon webbing.

⑦ Wrap a 15- by 36-inch piece of felt around each rear suspension sling 30 inches from the large clevis. Tape the felt in place.

⑧ Tie each rear suspension sling to the side board ring tiedown with a single turn of ½-inch tubular nylon webbing.

Figure 5-42. Suspension slings and antitumble slings installed



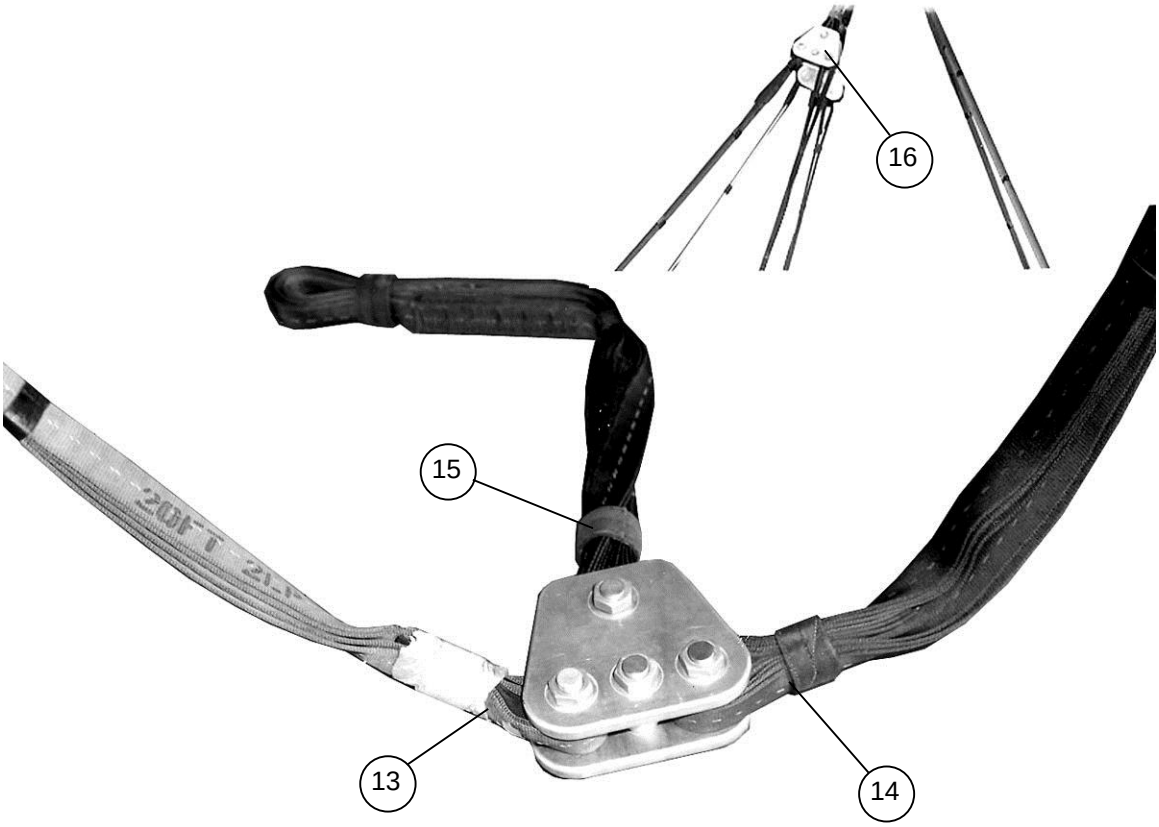
⑨ Pass one end of a 20-foot (2-loop), type XXVI nylon sling (antitumble sling) between the right side body and the body floor to the rear of the fourth side body hinge. Attach the end of the sling to tiedown clevis 19.

⑩ Slide a cloth sling cover over the sling. Slide the cover toward the clevis until covers the area of the sling which touches the truck. Tape the sling cover in place. Cloth material or cellulose wadding may be substituted for the sling cover.

⑪ Pad the fourth side body hinge with cellulose wadding and tape the wadding in place.

⑫ Adapt the procedures in steps 9 through 11 above and install an antitumble sling on the left side of the truck.

Figure 5-42. Suspension slings and antitumble slings installed (continued)



⑬ Attach the free end of the right antitumble sling to the left outside bolt of a four-point link assembly.

⑭ Attach the free end of the right rear suspension sling to the right outside bolt of the four-point link assembly.

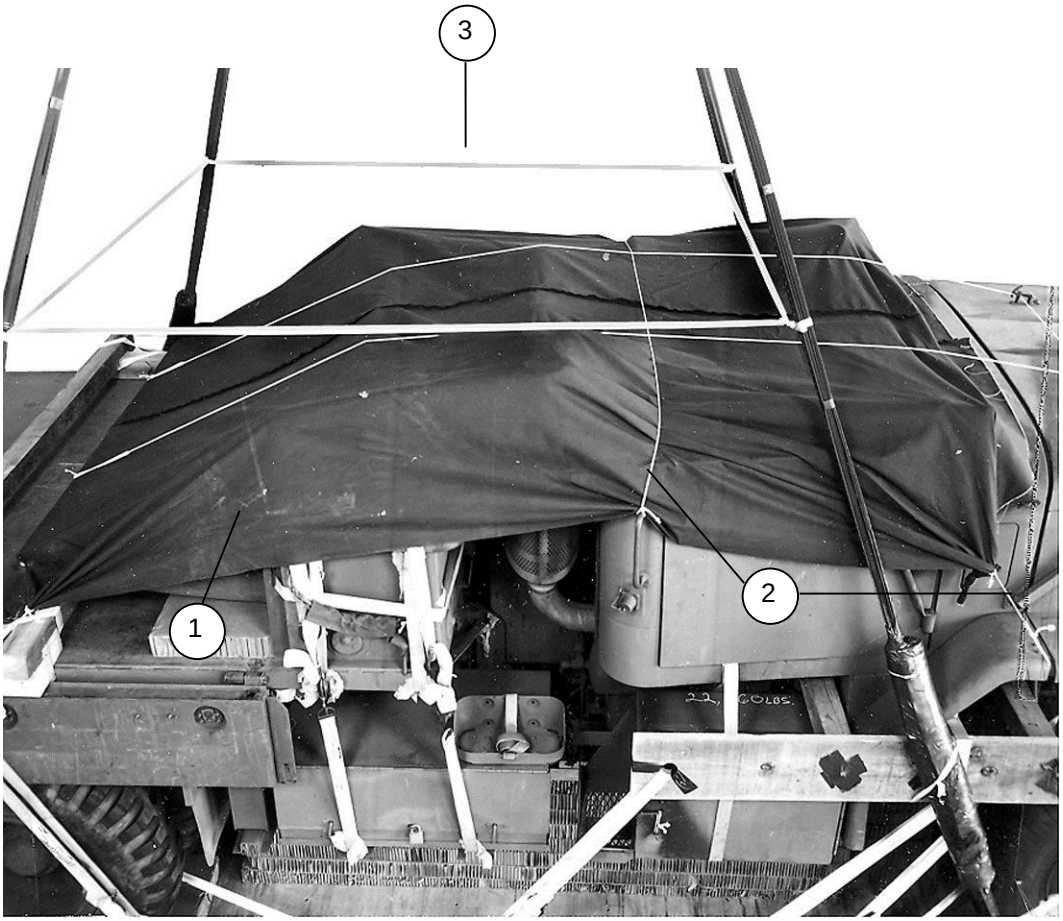
⑮ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the top bolt of the four-point link assembly.

⑯ Adapt the procedures in steps 13 through 15 above and install a four-point link assembly and 3-foot sling on the left side of the load.

Figure 5-42. Suspension slings and antitumble slings installed (continued)

INSTALLING LOAD COVER AND DEADMAN'S TIE

5-13. Install the load cover and deadman's tie as shown in Figure 5-43.



① Place a 10- by 12-foot piece of duck cloth (load cover) over the truck cab.

② Tie the load cover in place with type III nylon cord.

③ Install a deadman's tie according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

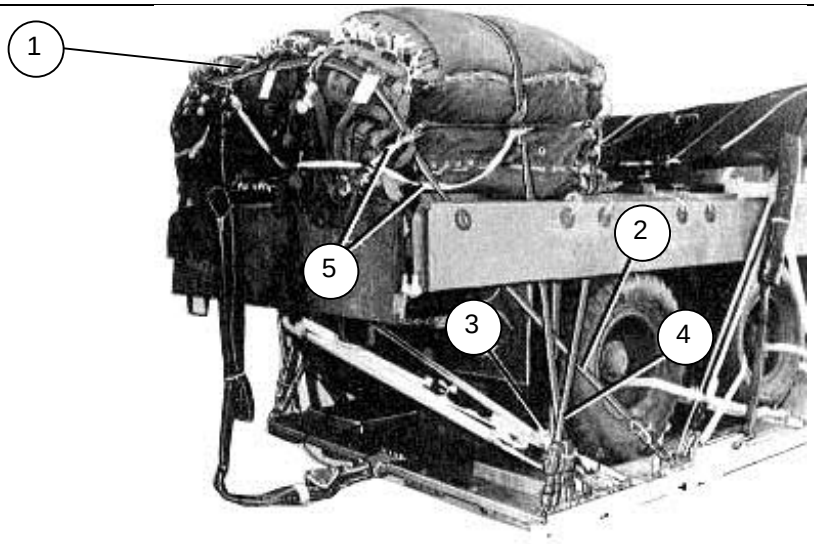
Figure 5-43. Load cover and deadman's tie installed

STOWING CARGO PARACHUTES

NOTICE OF EXCEPTION

The parachute requirements and restraint straps in this paragraph are not in accordance with TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Six G-11C cargo parachutes and type X nylon webbing used as restraint straps are authorized to be used with this load.

5-14. Stow six G-11C cargo parachutes on the truck as shown in Figure 5-44.



① Prepare and position six G-11C cargo parachutes in the rear of the truck as shown. Each parachuted requires a 120-foot riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Bolt a load tiedown clevis to clevises 14 and 14A in an inverted manner. Install a 10-yard, type X nylon webbing parachutes between the side body and the truck bed. Use a D-ring and a load binder to secure each end of the strap to the inverted clevises according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Install a 10-yard, type X nylon webbing parachute restraint strap over the bottom of the parachutes between the side body and the truck bed. Use a D-ring and a load binder to secure each end of the strap to clevises 19 and 19A according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

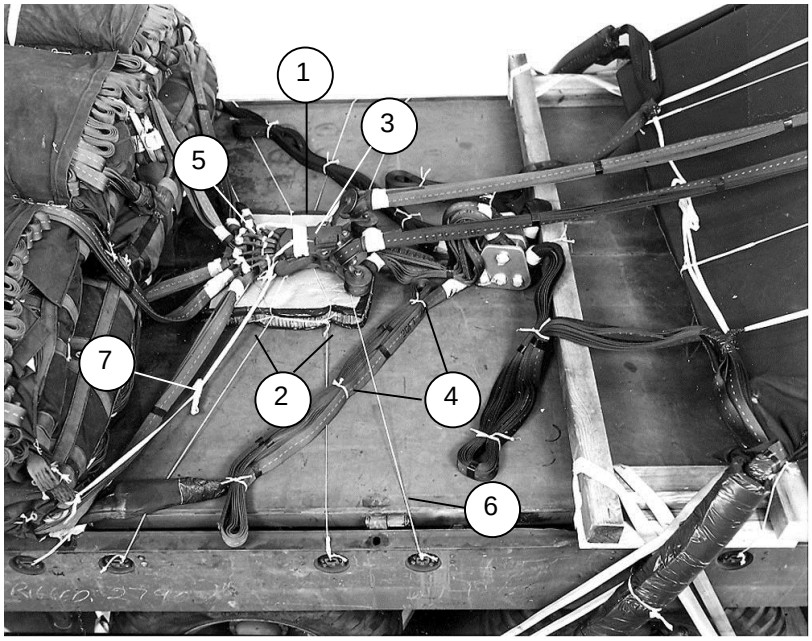
④ Bolt a load tiedown clevis to clevises 18 and 18A in an inverted manner. Install a 10-yard, type X nylon webbing parachute restraint strap over the center of the cargo parachutes between the side body and the truck bed. Use a D-ring and a load binder to secure each end of the strap to the inverted clevises according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-44. Six G-11C cargo parachutes installed

INSTALLING RELEASE SYSTEM

5-15. Prepare and install the release system as shown in Figure 5-45.



① Center a 24- by 24-inch piece of honeycomb on the body floor of the truck, 12 inches in front of the parachutes. Tape all top and bottom edges of the honeycomb.

② Tie the honeycomb in place to convenient points on the truck with lengths of type III nylon cord.

③ Prepare an M-2 cargo parachute release assembly according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on the honeycomb positioned in step 1 above.

④ Fold the suspension slings and secure the folds with single turns of type I, ½-inch cotton webbing.

⑤ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

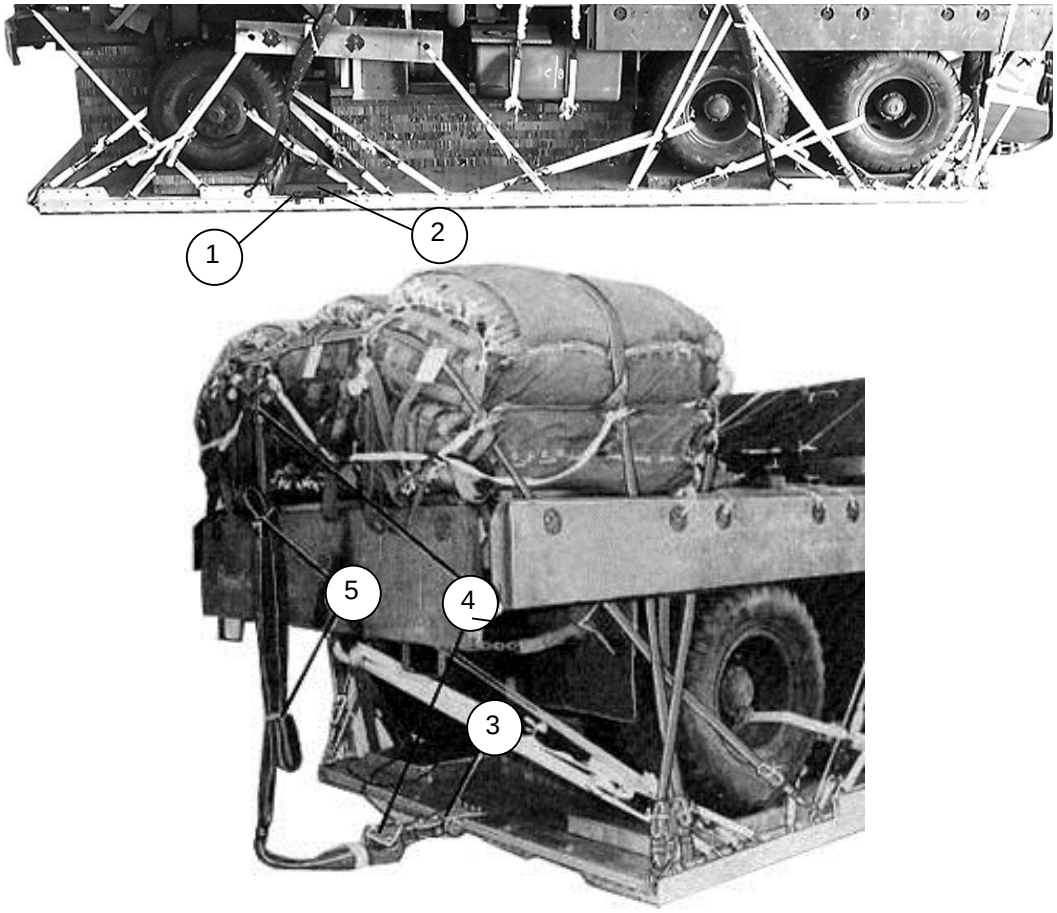
⑥ Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑦ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 5-45. Release system installed

INSTALLING EXTRACTION SYSTEM

5-16. Install the extraction force transfer coupler extraction system as shown in Figure 5-46.



① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the rear mounting holes in the left platform rail.

② Install an actuator with a 24-foot cable to the EFTA mounting brackets according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Use a 5-inch latch assembly adapter, and attach the latch assembly to the extraction bracket according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 with the locking nut hole facing toward the left side of the platform.

④ Connect one end of a 9-foot (4-loop), type XXVI nylon webbing sling (deployment line) to the top spacer of the link assembly. Connect the free end to the center large suspension clevis on the 3-foot clustering slings.

⑤ Fold the excess deployment line and secure the folds in place with tape or type I, ¼-inch cotton webbing.

Figure 5-46. Extraction System Installed

PLACING EXTRACTION PARACHUTE

5-17. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISION FOR EMERGENCY RESTRAINTS

5-18. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

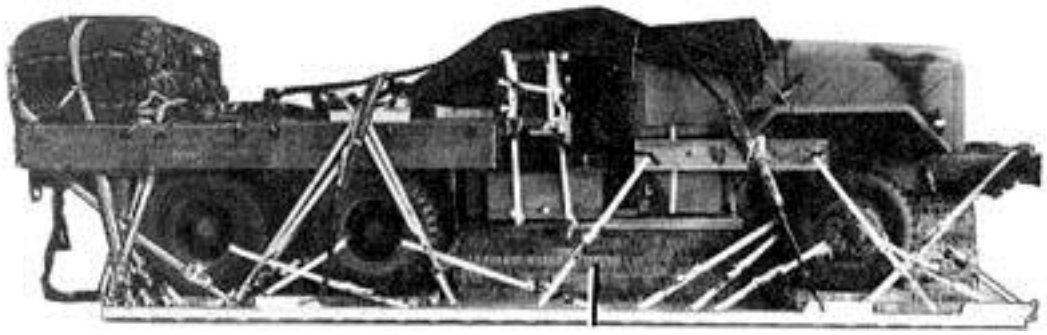
5-19. Mark the rigged and load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 and as shown in Figure 5-47 on the following page. Complete *Shipper's Declaration for Dangerous Goods*. If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

5-20. Use the equipment listed in Table 5-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……27,900 pounds

Maximum load allowed……....……....28,450 pounds

Height……..99 inches

Width ……108 inches

Length ……..326 inches

Overhang: Front ……12 inches

Rear ……26 inches

Center of Balance (CB) (from front edge of platform)……..154 inches

Extraction System……..……Extraction Force Transfer Coupler

Figure 5-47. M925, 5-Ton Cargo Truck Rigged for Low-Velocity Airdrop on a Type V Platform

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
3990-00-937-0272	Binder, load, 10,000-lb	6
1670-01-035-6054	Bridle, extraction line bag (Use w extraction	1
4030-00-090-5354	line leaf.)	
8305-00-242-3593	Clevis, suspension, 1-in (large)	6
8305-00-242-3593	Cloth, cotton duck, 60-in	As required
4020-00-240-2146	Cord, nylon, type III, 550-lb	As required
1670-00-434-5782	Coupling, airdrop, extraction force transfer, w	
	24-ft cable]	1
	Cover:	
1670-00-360-0328	Clevis, large	6
8135-00-664-6958	Cushioning material, packaging, cellulose	As required
5365-00-958-3685	wadding	6
8305-00-958-3685	D-ring, heavy-duty, 10,000-lb	As required
	Felt, ½-inch thick	
	Frame support:	
5510-00-220-6146	Lumber:	
	2- by 4-in:	2
	10-in	2
	20-in	2
5510-00-220-6448	26-in	1
5510-00-220-6274	2- by 6- by 26-in	
	4- by 4-in:	8
	10-in	1
	10 ¾-in	2
	33-in	2
5530-00-128-4981	96-in	
	Plywood, ¾-in	1
	3 ½- by 12 ¼-in	8
	3 ½- by 13 ½-in	1
	8 ½- by 20-in	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	13 ½- by 13 ½-in	3
	13 ½- by 21 ½-in	1
	36- by 96-in	1
1670-01-183-2678	Leaf, extraction line	2
	Line, extraction	
	60-ft (6-loop), type XXVI nylon webbing or	1
	60-ft (6-loop), type XXVI nylon webbing	
	(for C-1390 aircraft)	1
	Link assembly:	
1670-00-006-2752	Four-point	2
	Two-point:	1
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in	(2)
1670-00-003-1954	Plate, side, 5 ½-in	(2)
5365-00-007-3414	Spacer, large	(2)
	Load spreader for honeycomb stack 2:	
5510-00-220-6448	Lumber, 2-by 6-in:	
	8-in	2
	24-in	12
5530-00-128-4981	Plywood, ¾- by 54- by 24-in	2
	Load spreader for honeycomb stack 3:	
5510-00-220-6146	Lumber, 2- by 4- by36-in	3
5530-00-128-4981	Plywood, ¾- by 36- by 12-in	2
	Load spreader for honeycomb stack 4:	
	Lumber:	
5510-00-220-6146	2- by 4- by 46-in	2
5510-00-220-6274	4- by 4- by 96-in	2
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
5530-00-128-4981	Plywood, ¾-in:	
	4- by 96-in	2
	48- by 96-in	2
	Load spreader for honeycomb stack 5:	
5510-00-220-6146	Lumber:	
	2- by 4-in:	
	8-in	4
	12-in	4
5510-00-220-6448	2- by 6-in:	
	12-in	4
	66-in	4
5530-00-128-4981	Plywood, ¾-in	
	4- by 12-in	4
	6- by 12-in	4
	33 ½- by 66-in	4
5315—00-010-4659	Nail, steel wire, common:	
	8d	As required
5315-00-010-4663	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	28 sheets
	8- by 96-in	(2)
	12- by 96-in	(7)
	18- by 9-in	(2)
	18- by 88-in	(2)
	21- by 96-in	(1)
	24- by 24-in	(3)
	36- by 12-in	(9)
	36- by 24-in	(11)
	36- by 66-in	(5)
	36- by 88-in	(1)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	54- by 24-in	(3)
	96- by 36-in	(9)
	Parachute:	
1670-01-016-7841	Cargo, G-11C	6
	Cargo extraction:	
1670-00-262-1797	28-ft or	2
1670-00-040-8135	28-ft, heavy-duty	2
	Platform, airdrop, type V, 24-ft:	1
	Bracket:	
1670-01-162-2375	Inside Extraction Force Transfer Actuator (EFTA)	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis, load tiedown	(38)
1670-01-162-2376	Extraction bracket assembly	(1)
1670-01-247-2389	Suspension link	(4)
1670-01-162-2381	Tandem link	(2)
	Release, cargo parachute:	
1670-01-097-8817	M-2 (with modified components)	1
	Bolt, clevis (w sleeves), hardened	(2)
	Bolt, sleeve, hardened	(4)
	Shaft, toggle, reinforced	
	Spacer, steel, 2 3/8-in	(4)
	Sling, cargo, airdrop:	
	For antitumble slings:	
1670-01-062-6302	20-ft (2-loop), type XXVI nylon webbing	2
	For deployment line:	
1670-00-432-2501	9-ft (4-loop), type XXVI nylon webbing or	1
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing	1
	For lifting:	
1670-00-432-2507	16-ft (4-loop), type XXVI nylon webbing or	4
1670-00-003-7237	16-ft (4-loop), type XXVI nylon webbing or	4
1670-01-062-6308	16-ft (r-loop), type XXVI nylon webbing	4
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	For riser extensions:	
1670-01-06206311	120-ft (2-loop), type XXVI nylon webbing	6
1670-01-016-7841	Parachute:	6
	Cargo, G-11C	
1670-00-262-1797	Cargo extraction:	2
1670-00-040-8135	28-ft or	2
	28-ft, heavy-duty	
	Platform, airdrop, type V, 24-ft:	
1670-01-162-2375	Bracket:	(1)
1670-01-162-2374	Inside EFTA	(1)
1670-01-162-2372	Outside EFTA	(38)
1670-01-162-2376	Clevis, load tiedown	(1)
1670-01-247-2389	Extraction bracket assembly	(4)
1670-01-162-2381	Suspension link	(2)
	Tandem link	
1670-01-097-8817	Release, cargo parachute:	1
	M-2 (with modified components)	(2)
	Bolt, clevis (w sleeves), hardened	(4)
	Bolt, sleeve, hardened	
	Shaft, toggle, reinforced	(4)
	Spacer, steel, 2 3/8-in	
	Sling, cargo, airdrop:	
1670-01-062-6302	For antitumble slings:	2
	20-ft (2-loop), type XXVI nylon webbing	
1670-00-432-2501	For deployment line:	1
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing or	1
	9-ft (4-loop), type XXVI nylon webbing	
1670-00-432-2507	For lifting:	4
1670-00-003-7237	16-ft (4-loop), type XXVI nylon webbing	4
1670-01-062-6308	or	4
	16-ft (4-loop), type XXVI nylon webbing	
1670-01-062-6311	16-ft (4-loop), type XXVI nylon webbing	6
	For riser extensions:	
	120-ft (2-loop), type XXVI nylon webbing	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	For suspension:	
1670-00-432-2499	3-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6306	3f-ft (4-loop), type XXVI nylon webbing	2
1670-00-432-2507	16-ft (4-loop), type XXVI nylon webbing	2
1670-00-003-7237	or	2
1670-01-062-6308	16-ft (4-loop), type XXVI nylon webbing	2
1670-00-003-1956	or	2
1670-00-432-2511	16-ft (4-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
1670-00-040-8219	or	
	20-ft (4-loop), type XXVI nylon webbing	2
	or	
	20-ft (4-loop), type XXVI nylon webbing	
	Strap, parachute release, multicult, comes	
5510-00-220-6248	W 3 knives	1
5510-00-220-6274	Suspension sling spreader:	
	Front, left:	1
	Lumber:	1
	2- by 10- by 60-in	
	4- by 4-in:	
5510-00-220-6248	29 ½-in	1
5510-00-220-6274	31-in	3
	Front, right:	
	Lumber:	
5510-00-220-6146	2- by 10- by 60-in	
	4- by 4- by 30 ¾-in	4
	Rear:	2
5510-00-220-6448	Lumber:	2
5510-00-220-6274	2- by 4-in:	2
8125-00-074-5124	24-in	As required
1670-00-937-0271	105-in	58
	2- by 6- by 24-in	
	4- by 4- by 24-in	
	Tape, adhesive, cloth-backed, type IV, 2-in	
	Tiedown assembly, 15-ft	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 5-1. Equipment Required for Rigging the M925 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	Tiedown provision	
	Front, special:	
No NSN	Steel, 1040, 1-in thick	2
No NSN	Cargo tiedown, (MS 21237)	2
No NSN	Bolt (MS 90726-112)	4
	Rear, special:	
No NSN	Steel, 1040, 1-in thick	2
No NSN	Cargo tiedown (MS 21237)	2
	Webbing:	
8305-00-268-2411	Cotton, ¼-inch, type I	As required
	Nylon:	
	Tubular:	
8305-00-082-5752	½-in or	As required
8305-00-268-2453	½-in	As required
8305-00-261-8584	Type X	As required
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Chapter 6

Rigging M925A1 5-Ton Cargo Truck on a Type V Platform

DESCRIPTION OF LOAD

6-1. The M925A1, 5-ton cargo truck is rigged on a 24-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M925A1 truck with winch weighs 22,360 pounds. Its height is 116 inches, reducible to 91 inches. The width of the truck is 98 inches. The length of the truck with winch is 320 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. The truck you are rigging may vary slightly from the one shown in figure 6-1 and 6-2, depending on the make and model. Adapt these procedures as necessary to rig your truck.



Figure 6-1. Right Side of Unrigged M925A1, 5-Ton Cargo Truck



Figure 6-2. Front and Rear Views of Unrigged M925A1, 5-Ton Cargo Truck

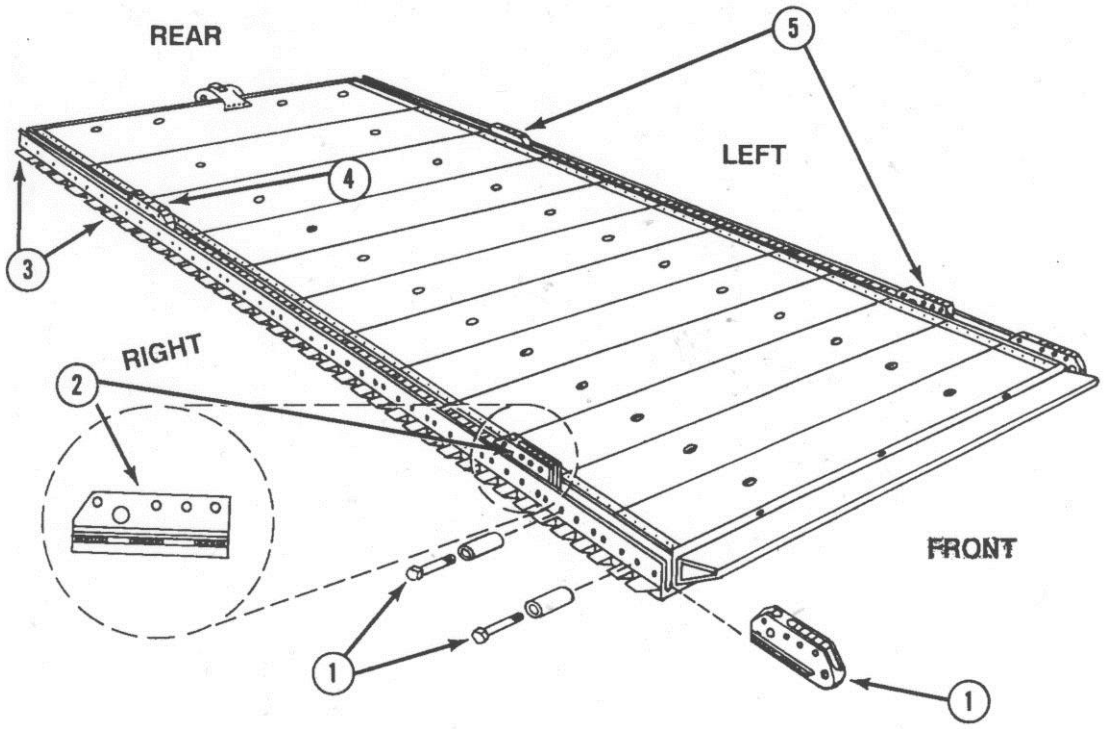
PREPARING PLATFORM

6-2. Prepare a 24-foot, type V airdrop platform as described below and depicted in figures 6-3 and 6-4 on the following pages.

- **Inspecting Platform.** Inspect, or assemble and inspect, the platform according to TM 10-1670-268-20&P/TO 13C7-52-22.
- **Installing Suspension Links.** Install the suspension links as described in Figure 6-3.
- **Installing Tandem Links.** Install a tandem link on the front of each rail as shown in Figure 6-4.
- **Attaching and Numbering Clevises.** Attach and number 38 clevises as shown in Figure 6-4.
- **Labeling and Numbering Tiedown Rings.** Label and number the tiedown rings as shown in Figure 6-4.

Notes. 1. The nose bumper may or may not be installed.
2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.

Note. This is drawing is not drawn to scale.



① Remove bushings, bolts, and any tandem links that may have been installed in holes 1 through 11 on the right rail.

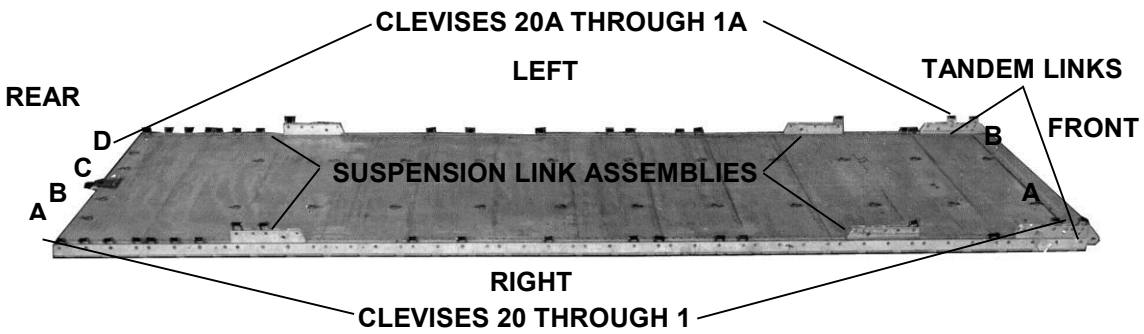
② Place a suspension link in the front of the right rail with the flat portion to the front of the rail. Slide the link along the rail until the holes in the link align with rails holes 9, 10, and 11. Bolt the link in place with bushing bolts.

③ Remove bushings, bolts, and any tandem links that may have been installed in holes 38 through 48 on the right rail.

④ Place a suspension link in the rear of the right rail with the flat portion to the rear of the rail. Slide the link along the rail until the holes in the link align with rail holes 38, 39, and 40. Bolt the link in place with the bushing bolts.

⑤ Install two suspension links on the left rail, adapting the procedures in steps 1 through 4 above.

Figure 6-3. Suspension Links Installed



Steps:

1 Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.

2 Install a clevis on bushings 1 and 3 of each front tandem link.

3 Install a clevis on bushings 1 on each front suspension link.

4 Install a clevis on bushings 2 and 4 on each rear suspension link.

5 Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 5, 17, 18, 21, 22, , 26, 30, 32, 42, 43, 44, 45, 46, 47, and 48.

6 Start at the front of the platform, number the clevises bolted to the right side from 1 through 20 and those bolted to the left side from 1A through 20A.

7 Label the two rows of tiedown rings in the first 11 panels A and B from right to left. Label the two rows of tiedown rings in the last panel A, B, C, and D from right to left. Starting at the front of the platform, number the rows of tiedown rings 1 through 11.

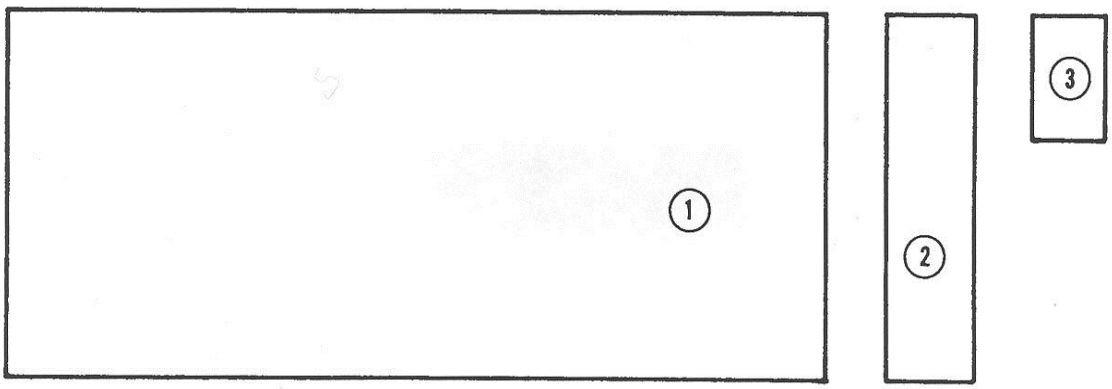
Figure 6-4. Platform Prepared

BUILDING AND POSITIONING HONEYCOMB STACKS

6-3. Build and position the honeycomb stacks as described below.

- Build the load spreaders for the honeycomb stacks as shown in Figures 6-5 through 6-14.
- Build the honeycomb stacks as shown in Figures 6-15 through 6-20. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform.
- Position the honeycomb stacks on the platform as shown in Figures 6-21 through 6-23.

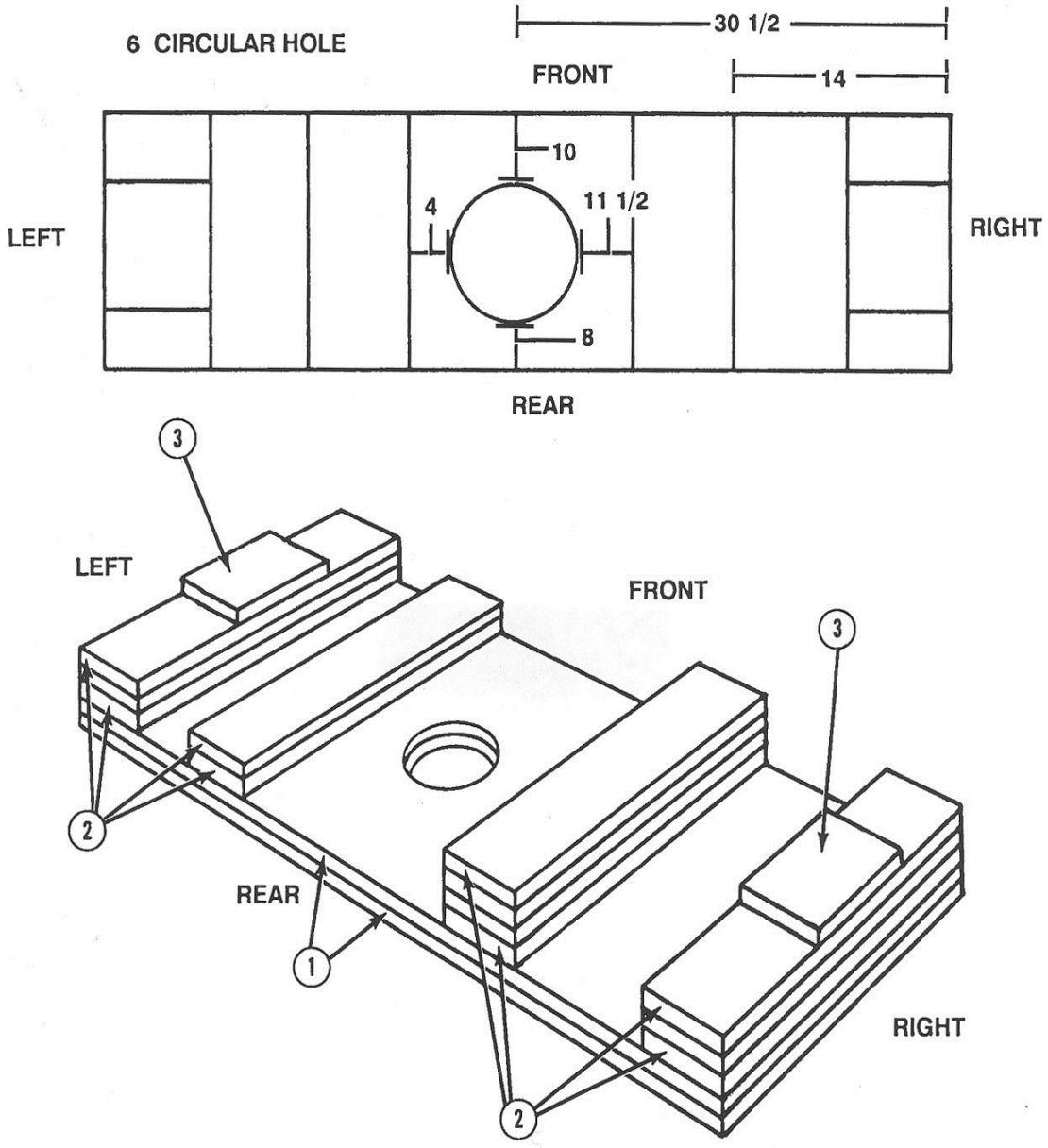
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	54	24	3/4-inch plywood
2	12	5 ½ (actual)	24	2- by 6- inch lumber
3	2	5 ½ (actual)	8	2- by 6-inch lumber

Figure 6-5. Material Required for Load Spreader for Honeycomb Stack 2

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 6-5.

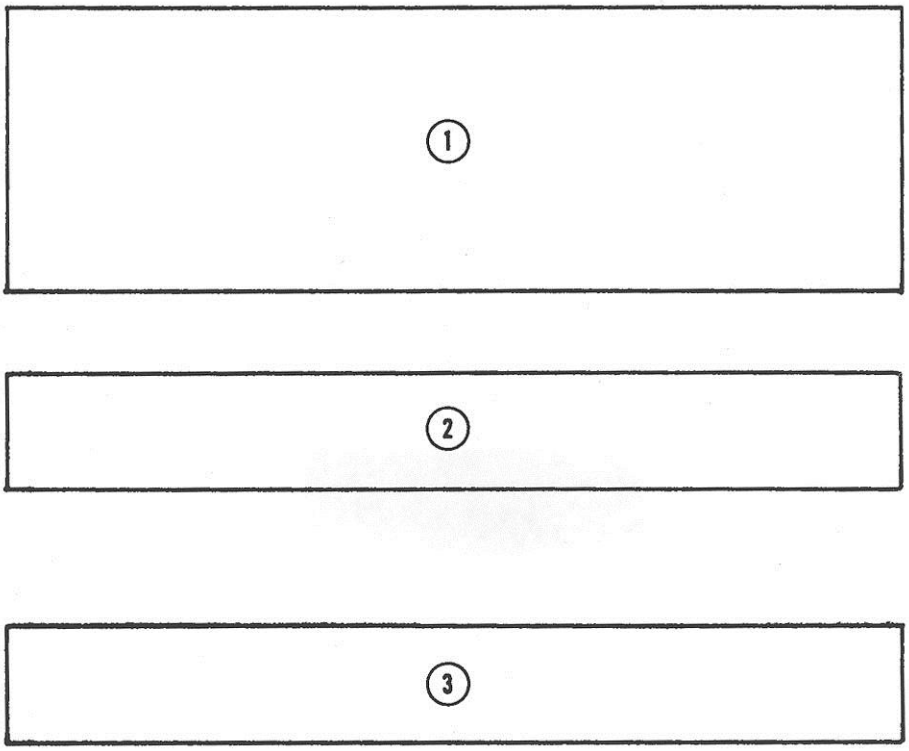


Steps:

1. Construct the load spreader for honeycomb stack 2 as shown.
2. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 6-6. Load Spreader for Honeycomb Stack 2 Constructed

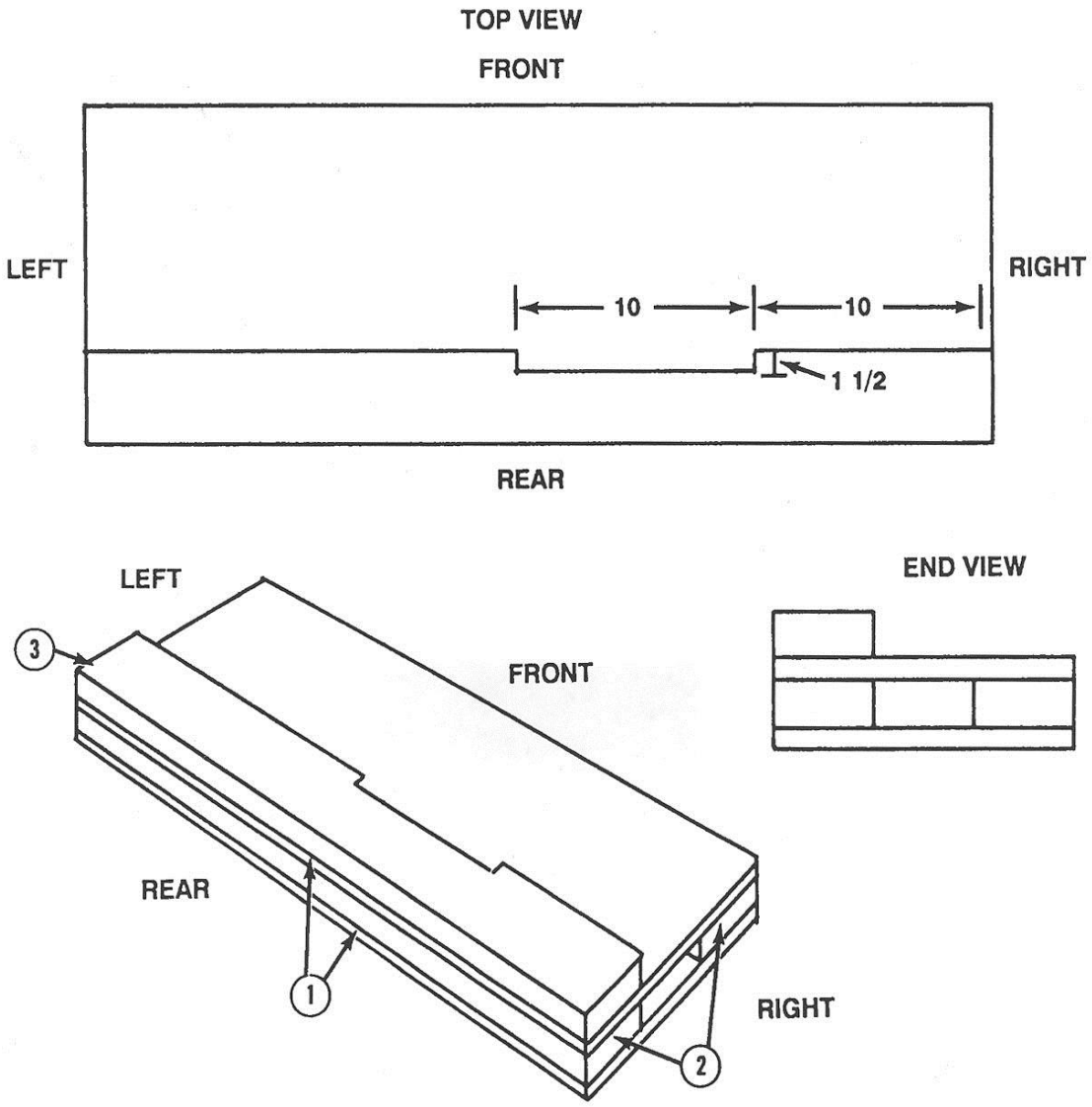
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	36	12	3/4-inch plywood
2	2	36	3 ½ (actual)	2- by 4- inch lumber
3	1	36	3 ½ (actual)	2- by 4-inch lumber

Figure 6-7. Material Required for Load Spreader for Honeycomb Stack 3

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 6-7.

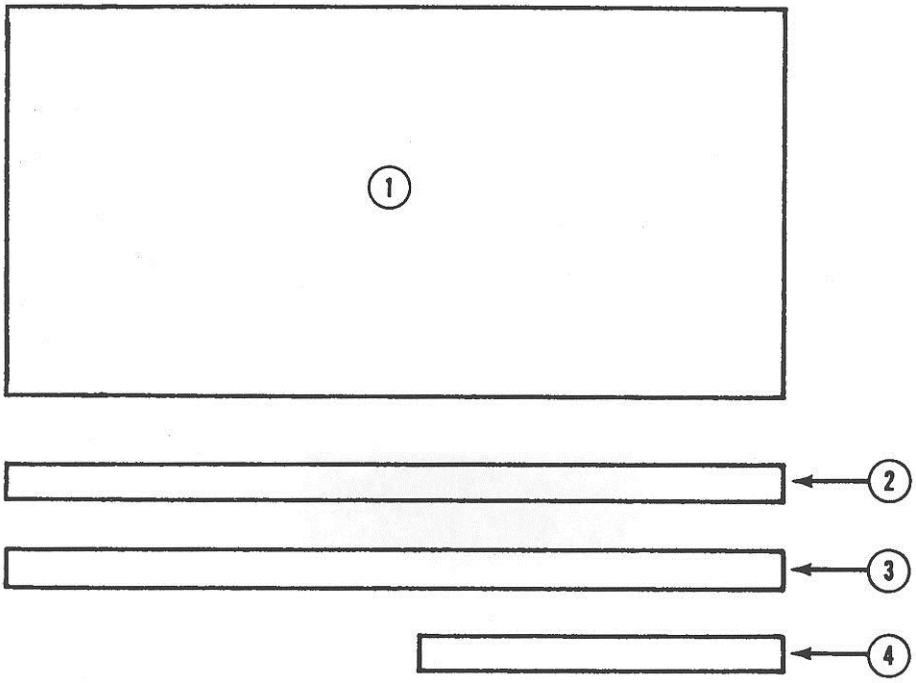


Steps:

1. Construct the load spreader for honeycomb stack 3 as shown.
2. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 6-8. Load Spreader for Honeycomb Stack 2 Constructed

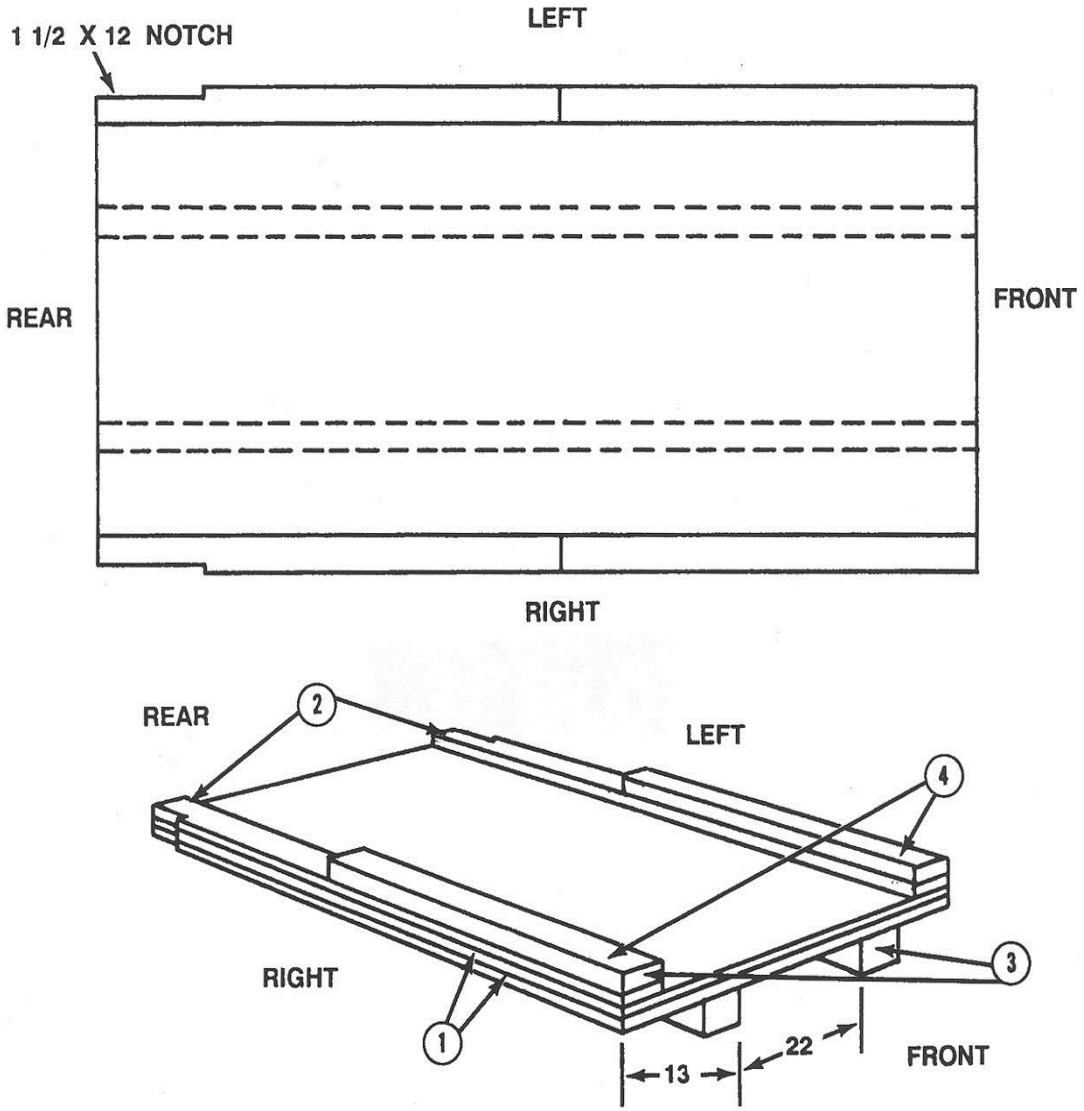
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	48	96	3/4-inch plywood
2	2	4	96	3/4-inch plywood
3	2	3 ½ (actual)	96	4- by 4- inch lumber
4	2	3 ½ (actual)	46	2- by 4-inch lumber

Figure 6-9. Material Required for Load Spreader for Honeycomb Stack 4

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 6-9.

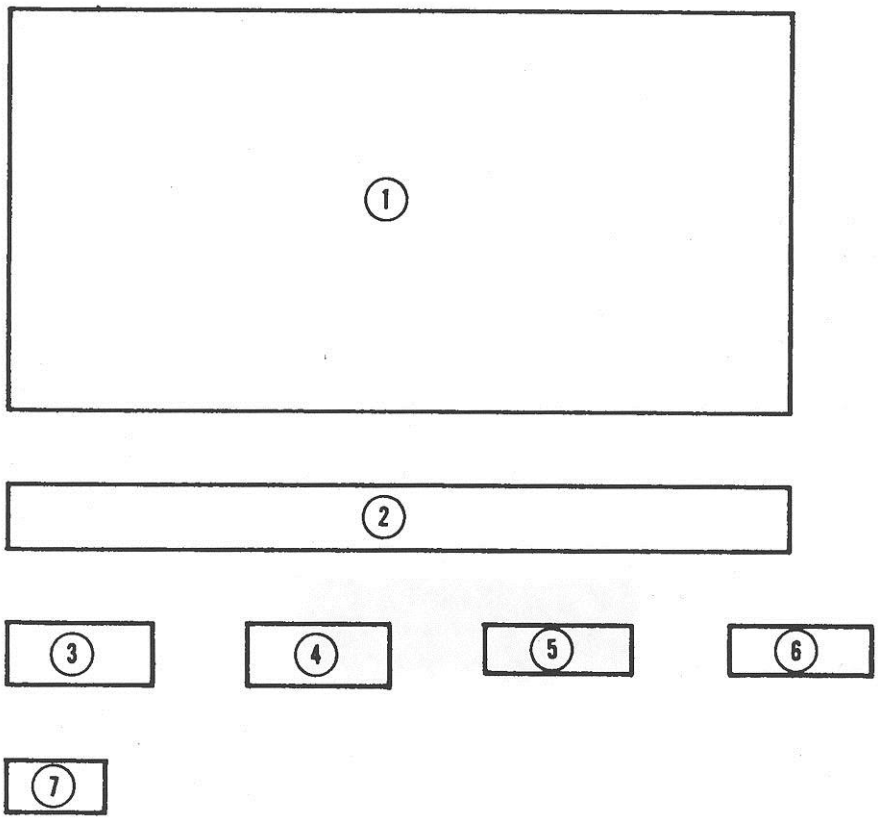


Steps:

1. Construct the load spreader for honeycomb stack 4 as shown.
2. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 6-10. Load Spreader for Honeycomb Stack 4 Constructed

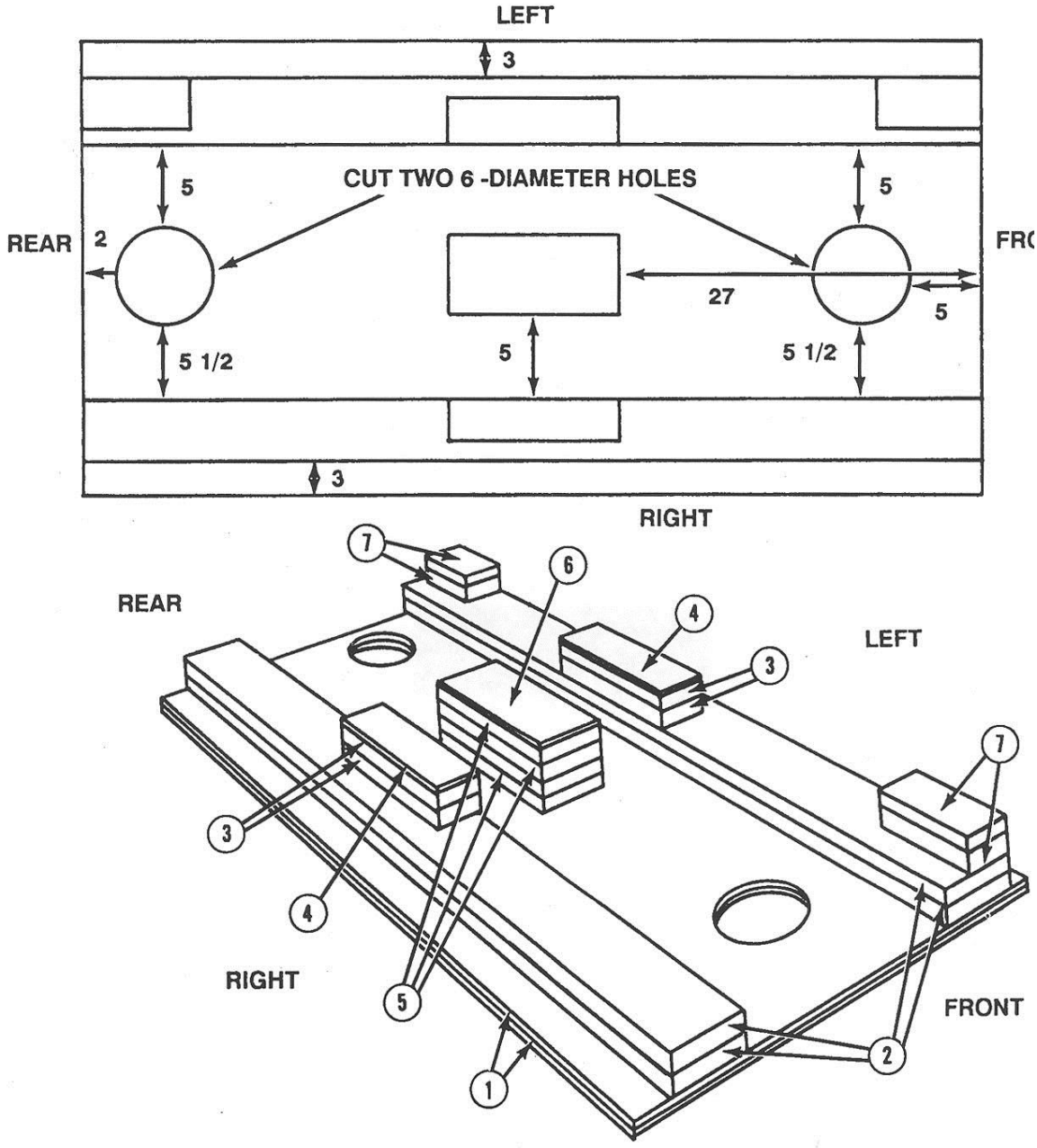
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	33 ½	66	3/4-inch plywood
2	4	5 ½ (actual)	66	2- by 6-inch lumber
3	4	3 ½ (actual)	12	2- by 4-inch lumber
4	2	4	12	3/4-inch plywood
5	4	5 ½ (actual)	12	2- by 6- inch lumber
6	1	5 ½ (actual)	12	3/4-inch plywood
7	4	3 ½ (actual)	8	2- by 4-inch lumber

Figure 6-11. Material Required for Load Spreader for Honeycomb Stack 5

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 6-11.

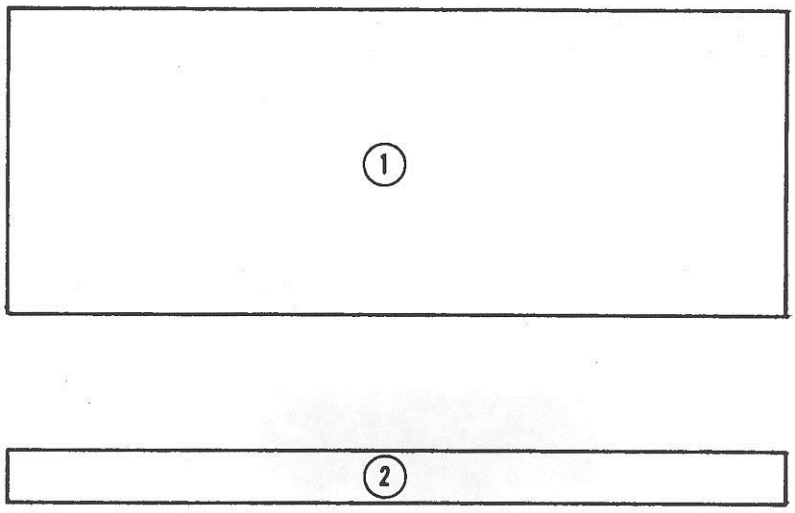


Steps:

1. Construct the load spreader for honeycomb stack 5 as shown.
2. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 6-12. Load Spreader for Honeycomb Stack 5 Constructed

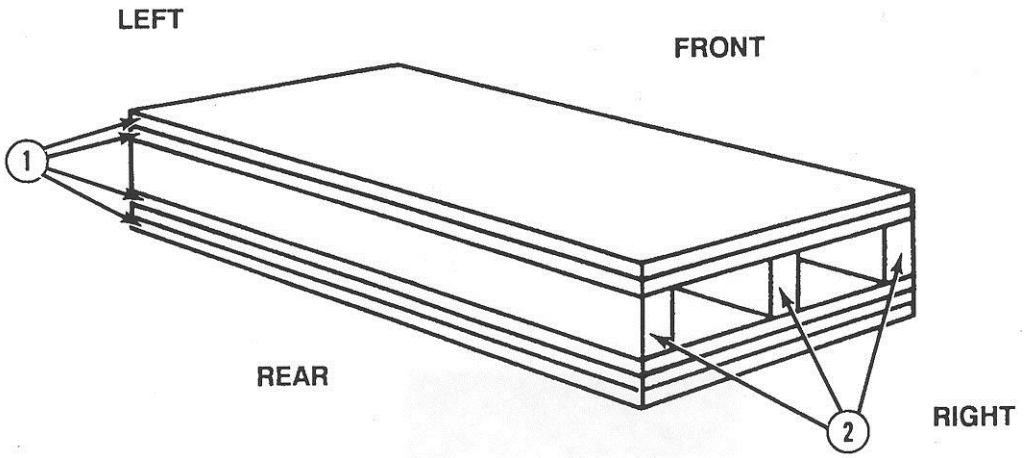
Notes. 1. These drawings are not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	5	36	14	3/4-inch plywood
2	3	36	1 ¾ (actual)	2- by 4-inch lumber

Figure 6-13. Material Required for Load Spreader for Honeycomb Stack 6

Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers in Figure 6-13.

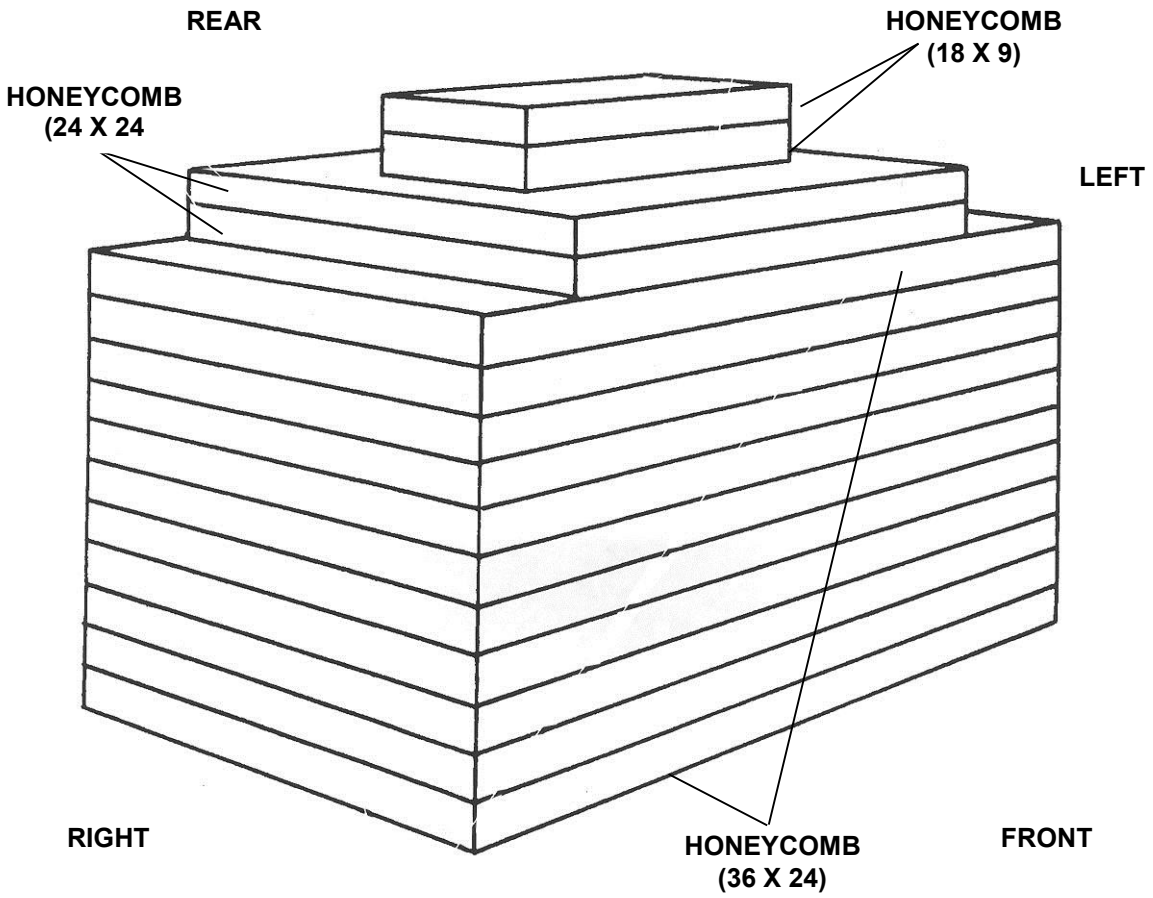


Steps:

1. Construct the load spreader for honeycomb stack 6 as shown.
2. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 6-14. Load Spreader for Honeycomb Stack 6 Constructed

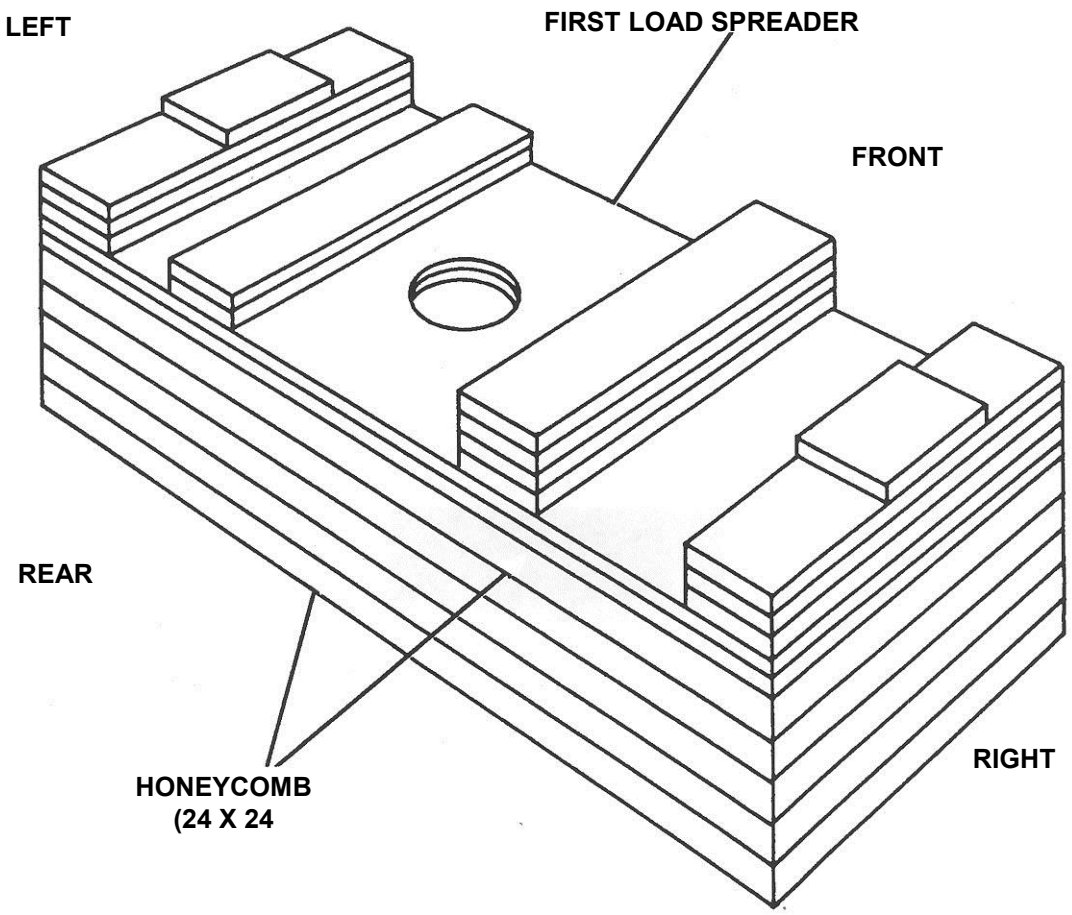
Notes. 1. These drawings are not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
1	11	36	24	Honeycomb	Place honeycomb as the base.
	2	24	24	Honeycomb	Center honeycomb on top of the base.
		18	9	Honeycomb	Center honeycomb on top of 24- by 24-inch honeycomb.

Figure 6-15. Honeycomb Stack 1 Prepared

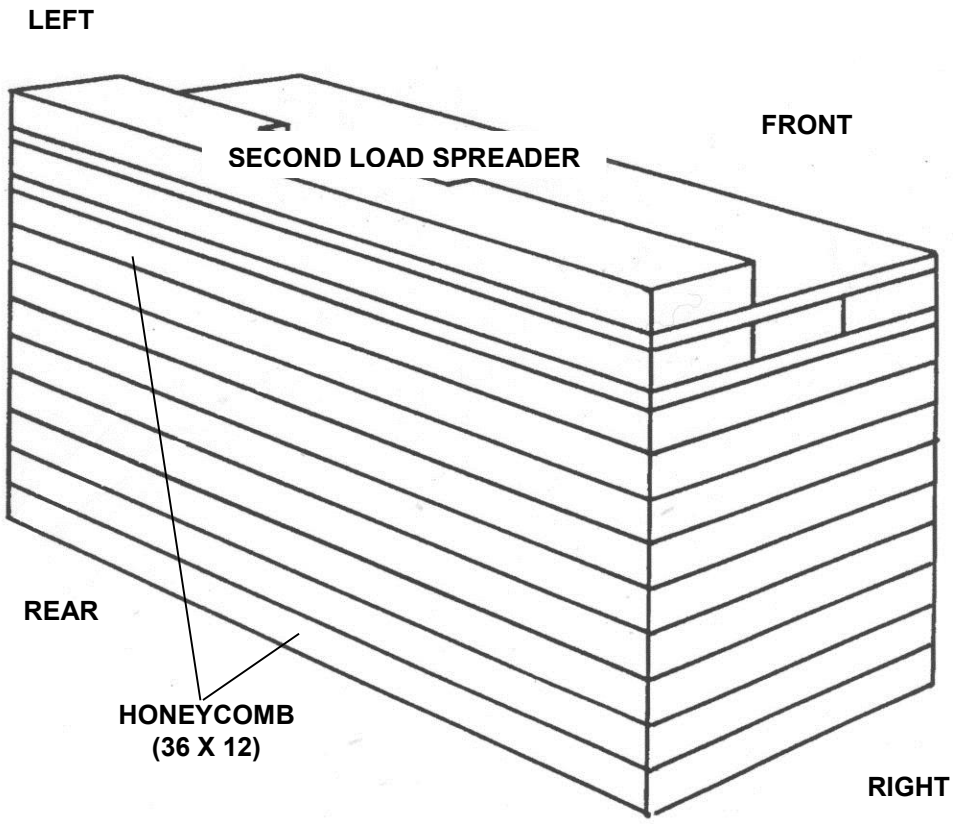
Notes. This drawing is not drawn to scale.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
2	5	54	24	Honeycomb	Place honeycomb as the base.

Figure 6-16. Honeycomb Stack 2 Prepared

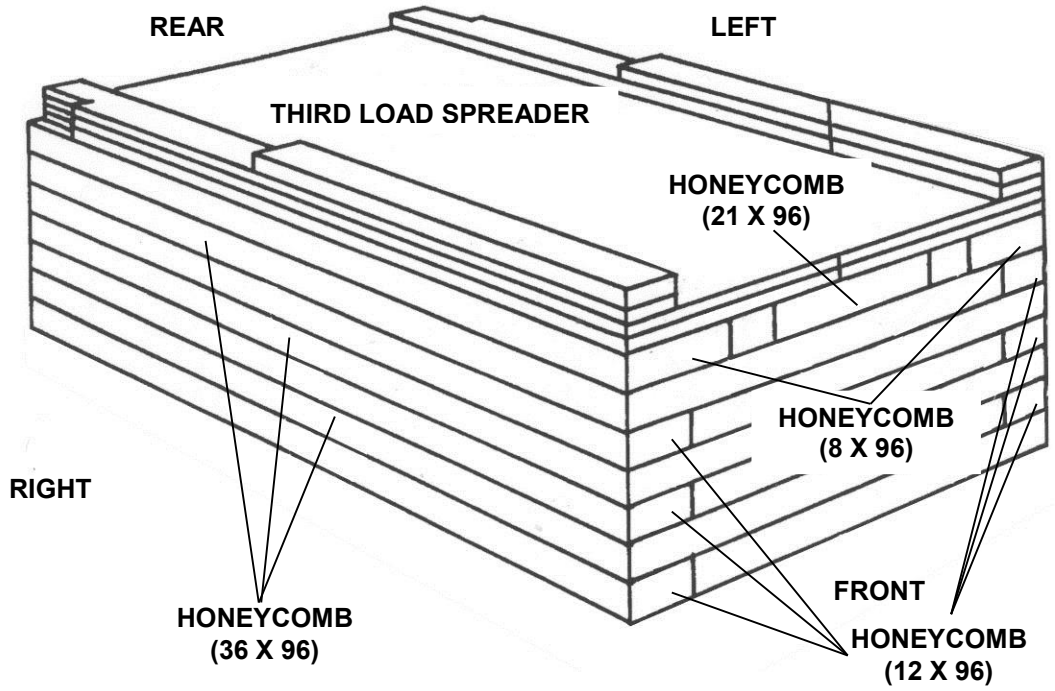
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
3	9	36	12	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base.

Figure 6-17. Honeycomb Stack 3 Prepared

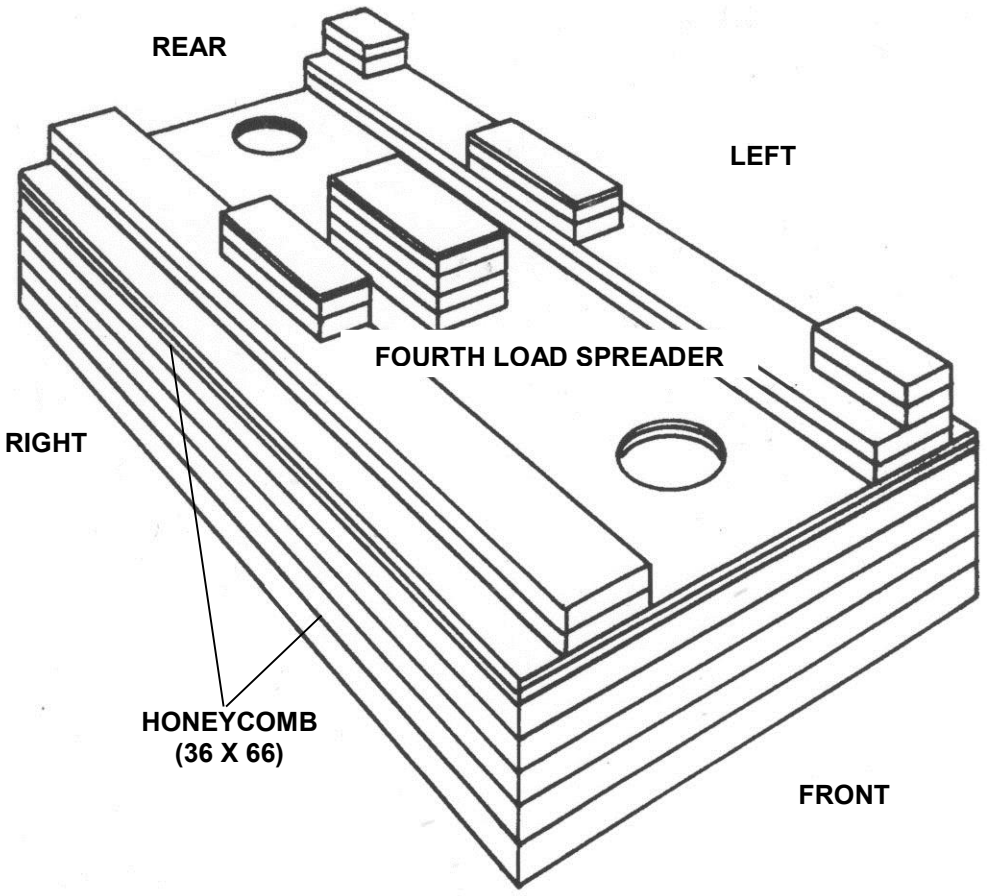
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
4	6 6	36 12	96 96	Honeycomb Honeycomb	Form a 48- by 96-inch base using the 36- by 96-inch and 12- by 96-inch pieces of honeycomb. Alternate the layers.
	1	21	96	Honeycomb	Center honeycomb on top of the base.
	2	8	96	Honeycomb	Place one piece of honeycomb on each side of the base even with the 96-inch edge.
				Load Spreader	Place load spreader on top of the base.

Figure 6-18. Honeycomb Stack 4 Prepared

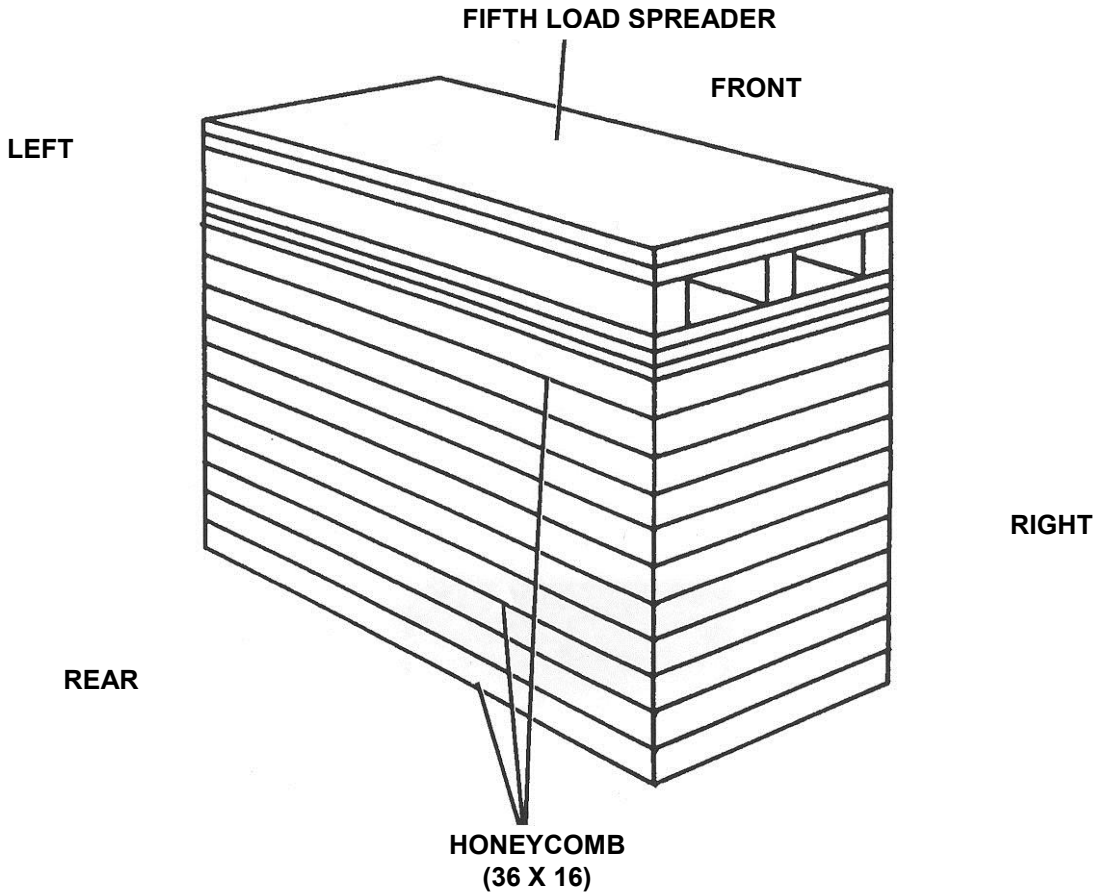
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
5	5	36	66	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base.

Figure 6-19. Honeycomb Stack 5 Prepared

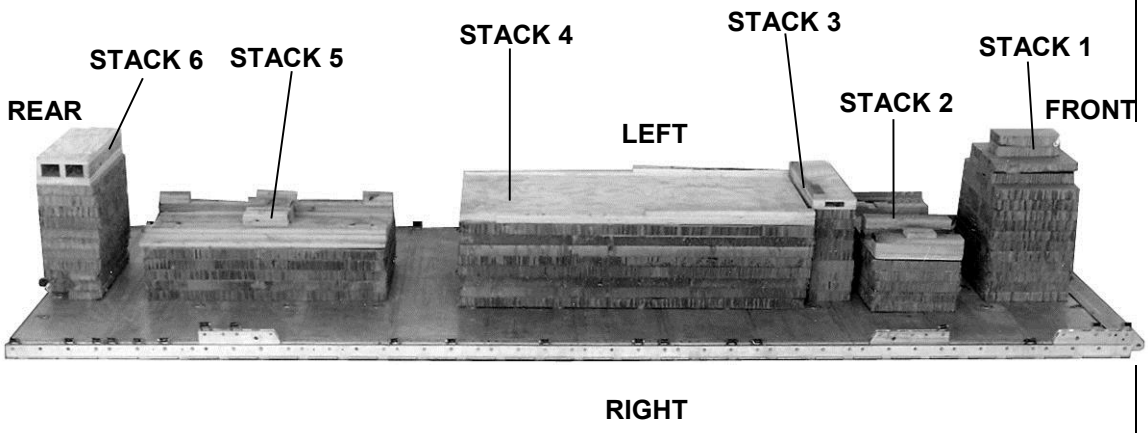
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*	*Instructions*
6	11	36	16	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base.

Figure 6-20. Honeycomb Stack 6 Prepared

Note. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.



Stack Number	*Position of Stack on Platform*
	Place stack:
1	Centered 5 inches from the front edge of the platform.
2	Centered 11 inches from the rear of stack 1.
3	Centered 3 ½ inches from the rear of stack 2.
4	Centered flush against the rear of stack 3.
5	Centered 20 inches from the rear of stack 4.
6	Centered even with the rear edge of the platform.

Notes. 1. Whether the nose bumper is installed or not, all measurements are from the front edge of the platform, not the nose bumper.
2. The rear edge of the platform does not include the extraction bracket.
3. Make cutouts in the bottom layer of stack 6 for the tiedown rings and the extraction bracket.

Figure 6-21. Honeycomb Stacks Positioned on Platform

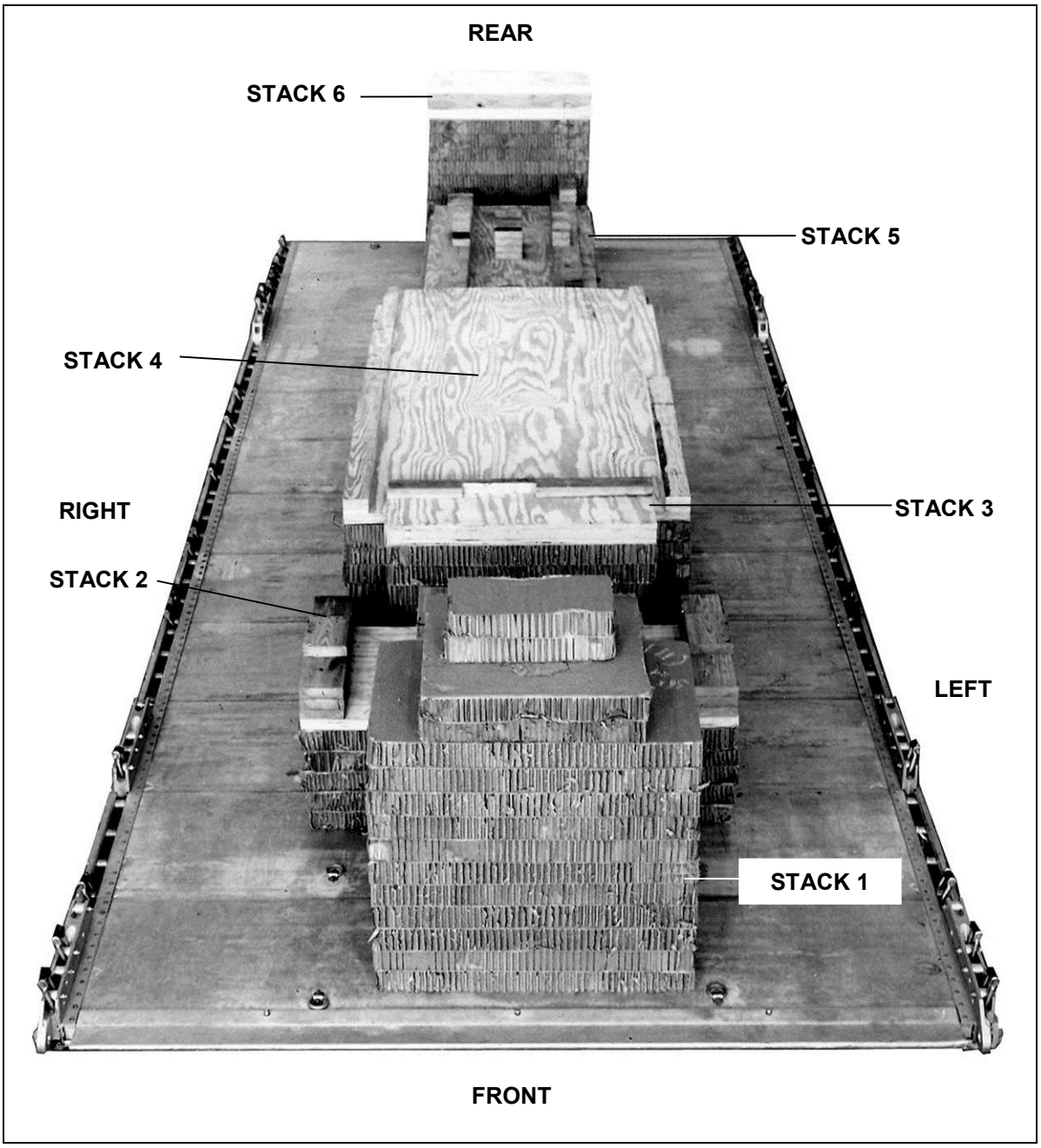


Figure 6-22. Front View of Honeycomb Stacks Positioned on Platform

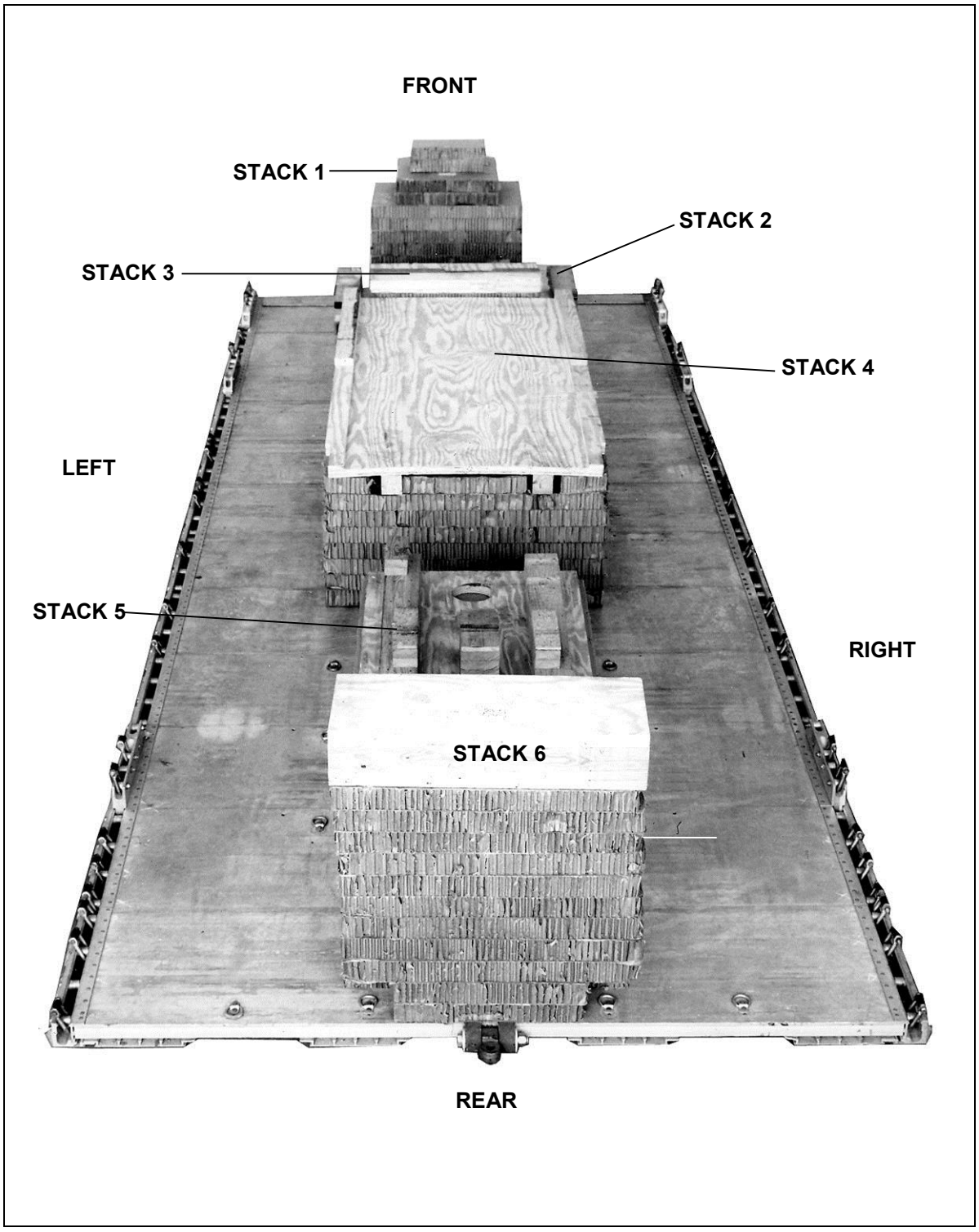


Figure 6-23. Rear View of Honeycomb Stacks Positioned on Platform

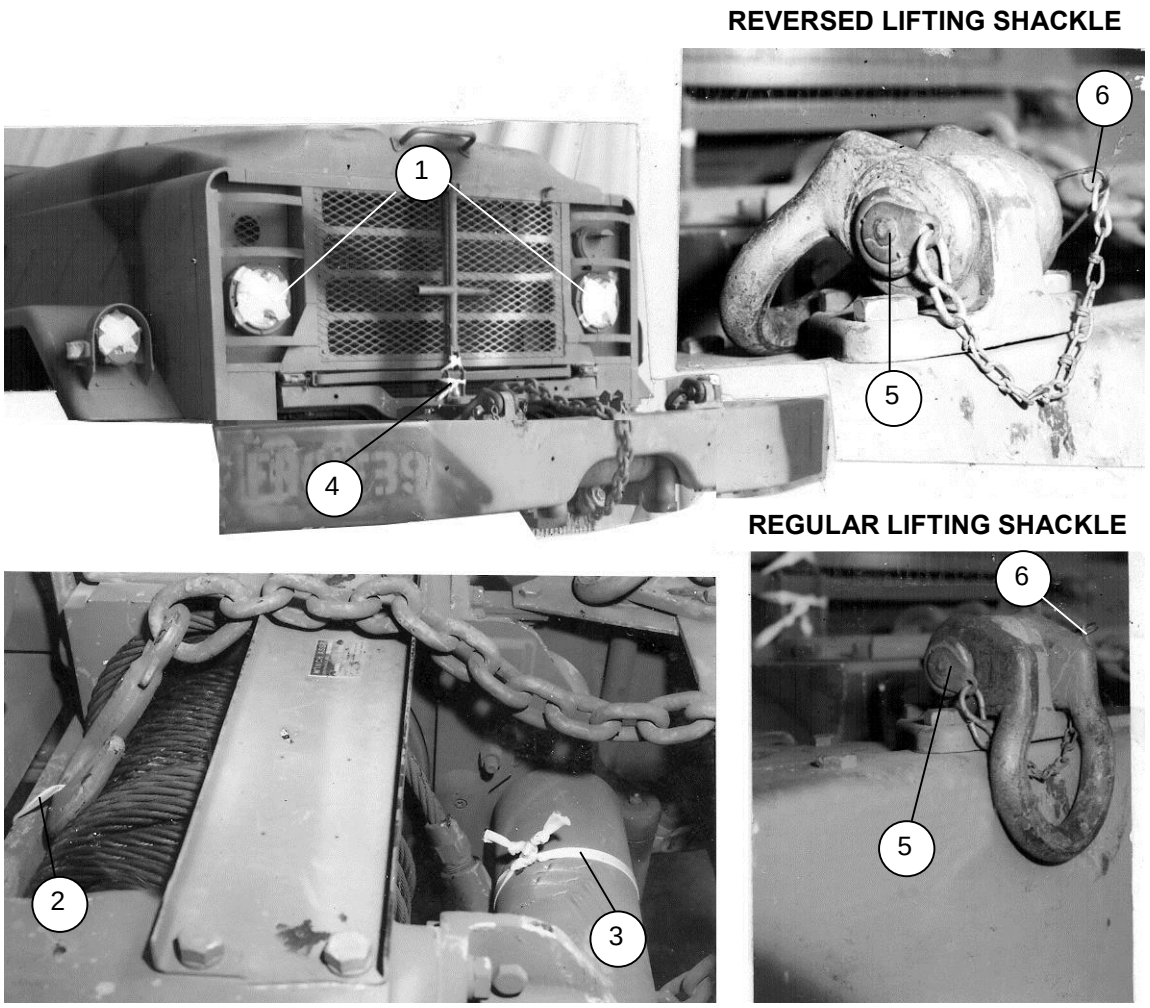
REMOVING TRUCK COMPONENTS

6-4. Remove the hardtop cab cover, cargo body cover, hood handle, mirror assemblies, exhaust stack, air cleaner stack, side rack troop seats, body side racks, and bow and stack assemblies according to TM 9-2320-272-10.

PREPARING TRUCK

6-5. Prepare the truck as shown in Figure 6-24 on pages 6-25 through 6-39 and as described below.

- Reduce the tire pressure in all tires to 28 pound per square inch.
- Make sure the fuel tank is not more than ½ full.



① Tape the headlights and blackout lights.

② Tie the winch chain hook to the rear bar of the winch with 1/2 –inch tubular nylon webbing.

③ Tie the winch chain and cable to the front bar of the winch with ½-inch tubular nylon webbing.

④ Secure the grill retainer bar in the retainer bar bracket of tie the grill retainer bar to the front of the truck with ½-inch tubular nylon webbing.

⑤ Remove the front lifting shackles from their brackets. Reverse the shackles and fasten them to the brackets with their retaining pins.

⑥ Place the safety pins in the holes in the ends of the retaining pins.

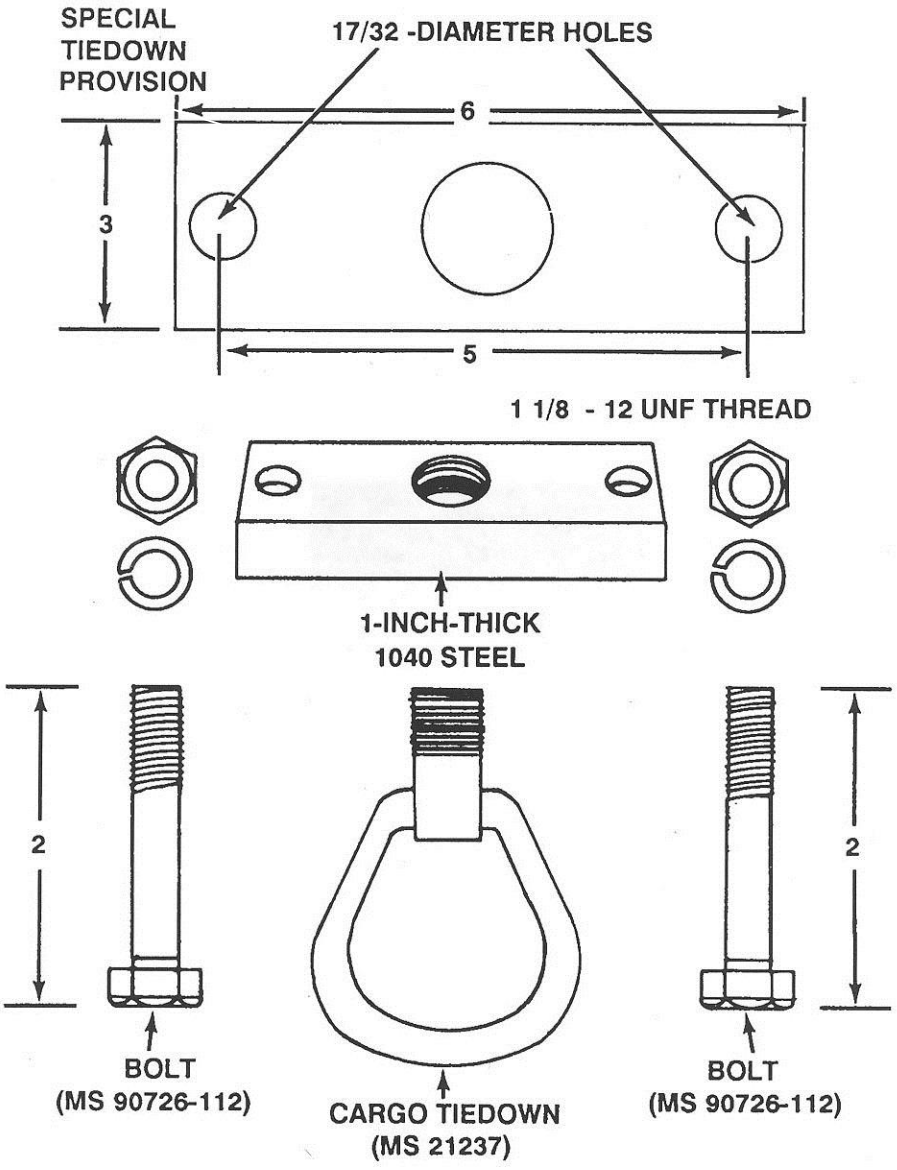
Figure 6-24. Truck Prepared

CAUTION

These special tiedown provisions must be constructed by qualified maintenance personnel.

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.

FRONT SPECIAL TIEDOWN PROVISION

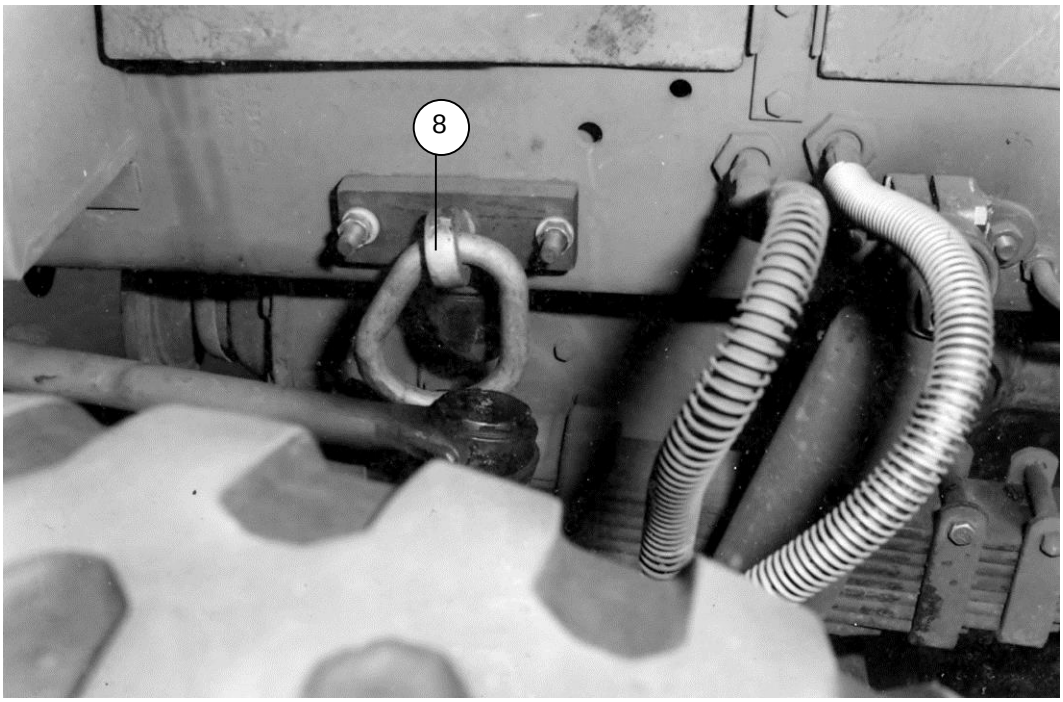


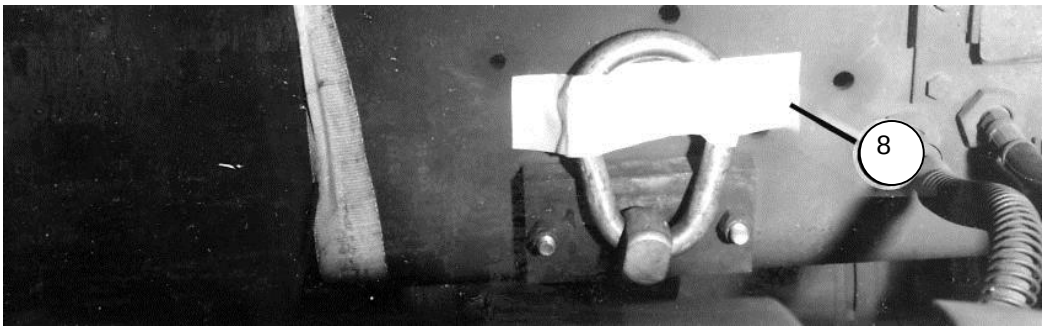
⑦ Form two sets of components of the front special tiedown provisions as shown above.

Figure 6-24. Truck Prepared (continued)

CAUTION

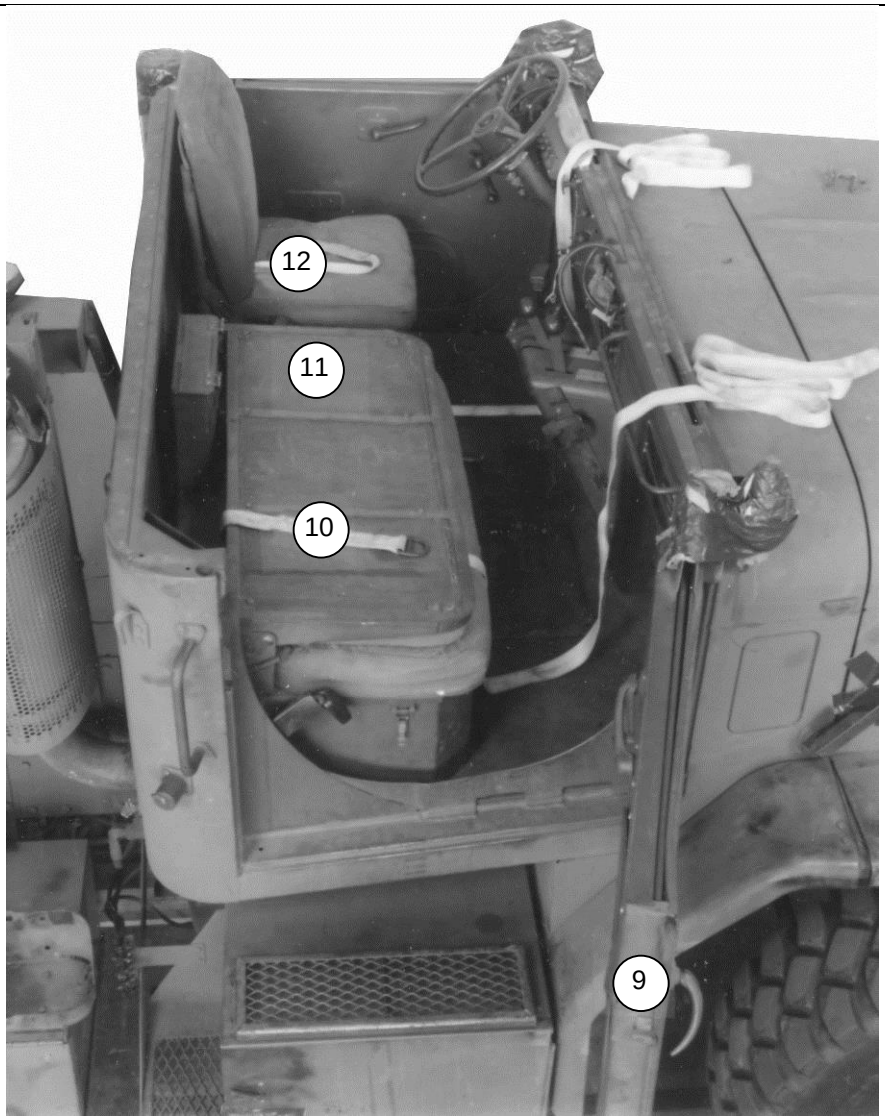
Remove the special tiedown provision “cargo tiedown” after airdrop to avoid damage to power steering unit and parts.





⑧ Remove the two ½-inch diameter rubber snubber attaching bolts from each side of the mainframe. (The rubber snubber attaching bolts are located above the front axle.) Using the front special tiedown provision bolts, insert the bolts through the rubber snubber mounting block and through the mainframe. Place the front special tiedown provision mounting block on the bolts against the mainframe. Use the original washers and nuts to secure the mounting block. Screw the tiedown ring tightly into the mounting block. Tape the cargo Tiedown in the UP position to the vehicle during positioning of the truck on the platform

Figure 6-24. Truck Prepared (continued)



⑨ Open the truck doors.

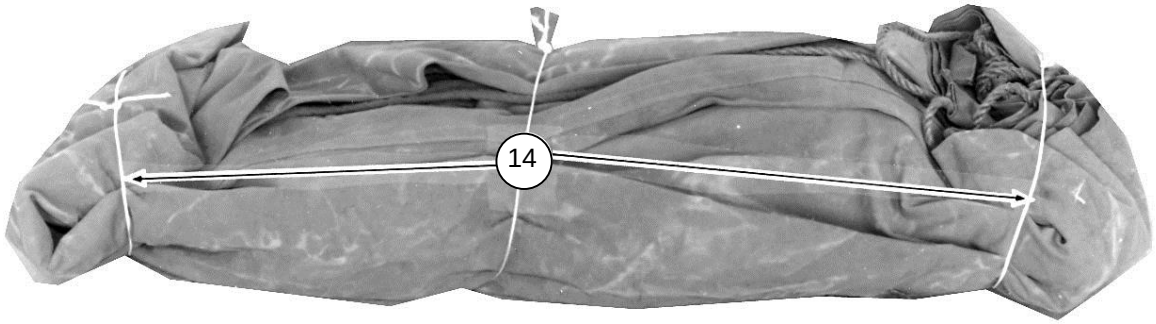
⑩ Fold the back of the passenger seat down.

⑪ Pass a 15-foot tiedown strap down behind and between the folded passenger seat back and seat cushion. Allow enough slack in the strap so that it comes in contact with the floor. Place the remainder of the strap on top of the hood. This will be secured later.

⑫ Pass the end of a 15-foot tiedown strap between the back of the driver seat and seat portion of the driver seat. Allow enough slack in the strap so that it comes in contact with the floor. Place the remainder of the strap on top of the hood. This will be secured later

Figure 6-24. Truck Prepared (continued)





⑬ Place the air cleaner stack, exhaust stack, pieces of canvas ribs, front section of the cargo bed cover, and lacing rope for the canvas cover on top of the cargo body cover.

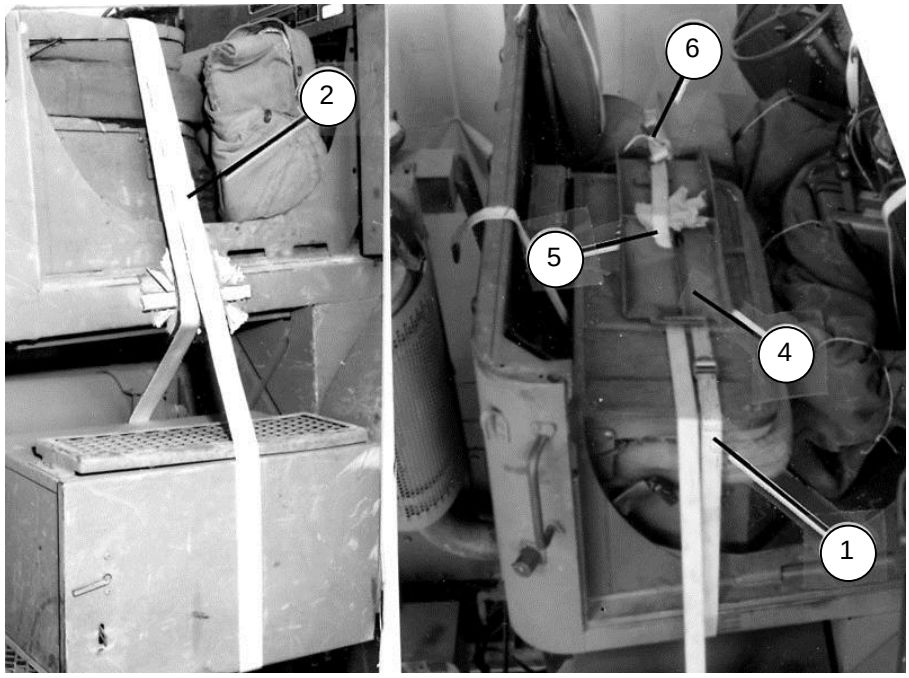
⑭ Wrap the canvas cover around the items. Secure the canvas cover using type III nylon cord.

Figure 6-24. Truck Prepared (continued)



⑮ Place the canvas cover with the items on the floor of the vehicle on top of the two pre-positioned straps (steps 11 and 12).

Figure 6-24. Truck Prepared (continued)



① Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the 30-foot tiedown strap across the front seat.

② Pass the right end of the strap out of the right door, around the battery box, back in the right door, and up the folded front passenger seat.

③ Pass the other end of the 30-foot tiedown strap out of the left door, around the air cleaner, and back through the door (not shown).

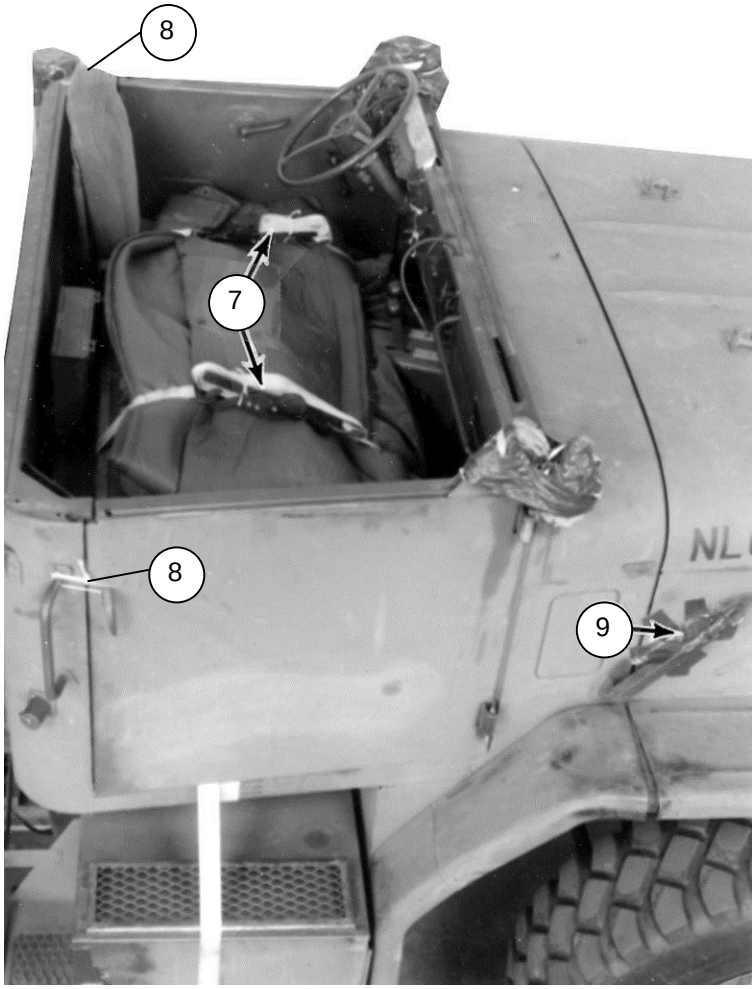
④ Place the spare tire rack on top of the passenger seat.

⑤ Continue to pass the right end of the strap from the bottom and up through the hole of the tire bracket.

Note. Pad the areas of the spare tire rack and doors with cellulose wadding where the straps touch.

⑥ Secure the seats and spare tire rack in place using two D-rings and a load binder. Make sure the load binder is secured over the driver seat.

Figure 6-24. Truck Prepared (continued)

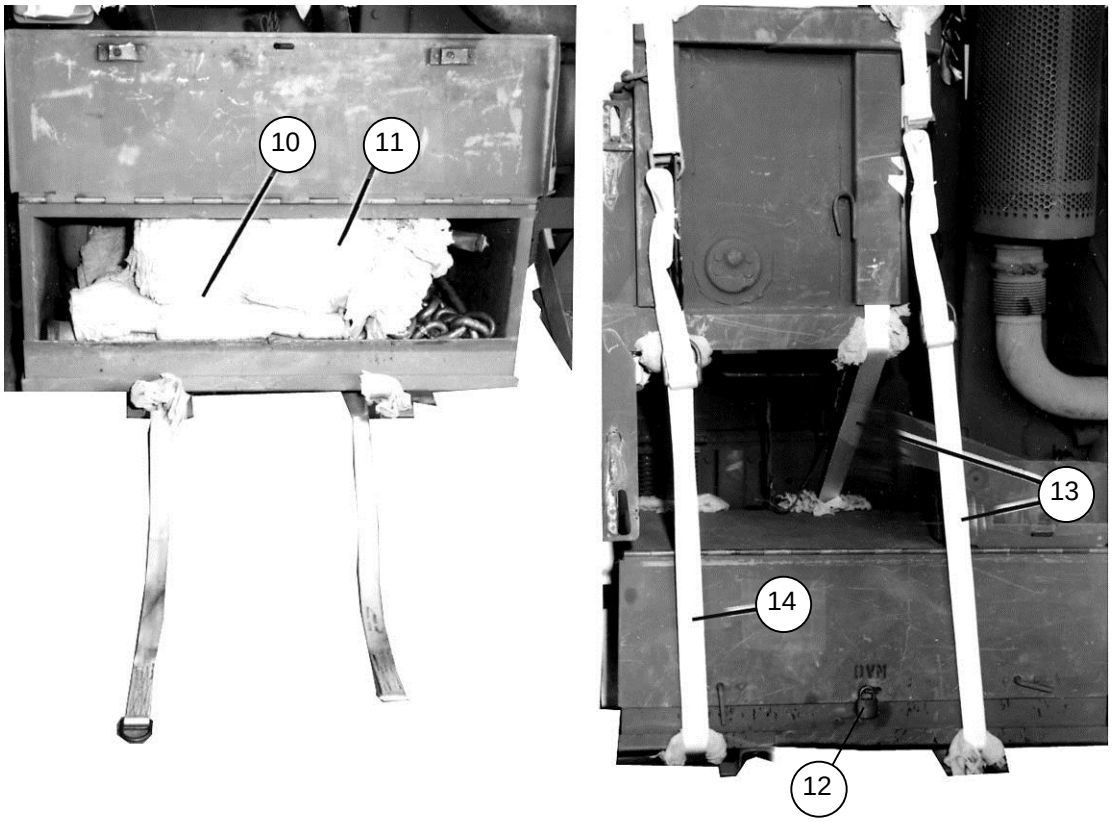


⑦ Place the canvas top cab cover on top of the seats and spare tire rack. Secure the cover with the two pre-positioned straps (steps 11 and 12) using two D-rings and two load binders.

⑧ Close the doors. Safety the door handles with type III nylon cord.

⑨ Make sure the hood is secured with the hood latches. Tape the latches in place.

Figure 6-24. Truck Prepared (continued)



⑩ Place the tools in the tool box. Pad the tools with cellulose wadding and tape the wadding in place. Place the tools in the toolbox.

Note. Other small items may be padded with cellulose wadding and stored in the toolbox.

⑪ Pad the mirrors with cellulose wadding and tape the wadding in place. Place the mirrors in the toolbox.

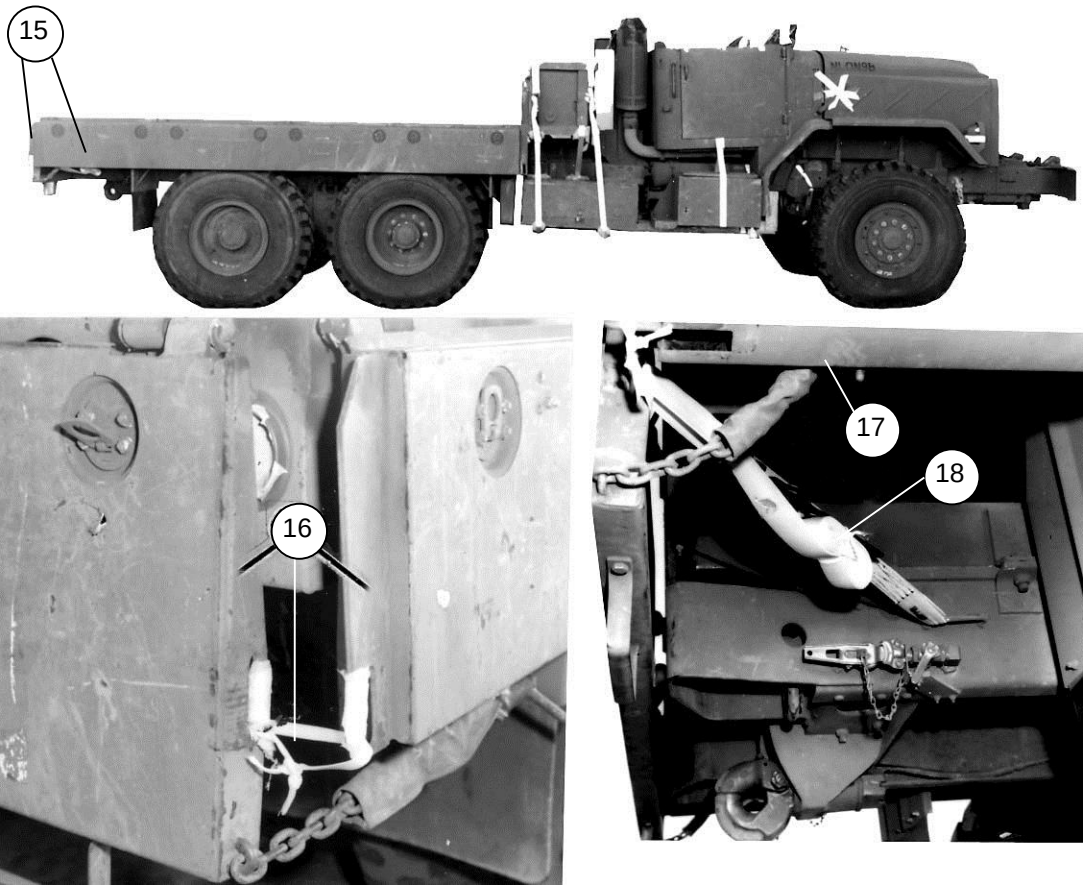
⑫ Close and secure the toolbox.

⑬ Pass the free end of a15-foot tiedown strap down through the first side rack socket, through the front toolbox hanger and under the toolbox. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑭ Pass the free end of a 15-foot tiedown strap down through the second side rack socket, through the rear toolbox hanger, and under the toolbox. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pad all sharp edges with cellulose wadding where the straps touch.

Figure 6-24. Truck Prepared (continued)



⑮ Lower the tailgate and sides of the body of the truck.

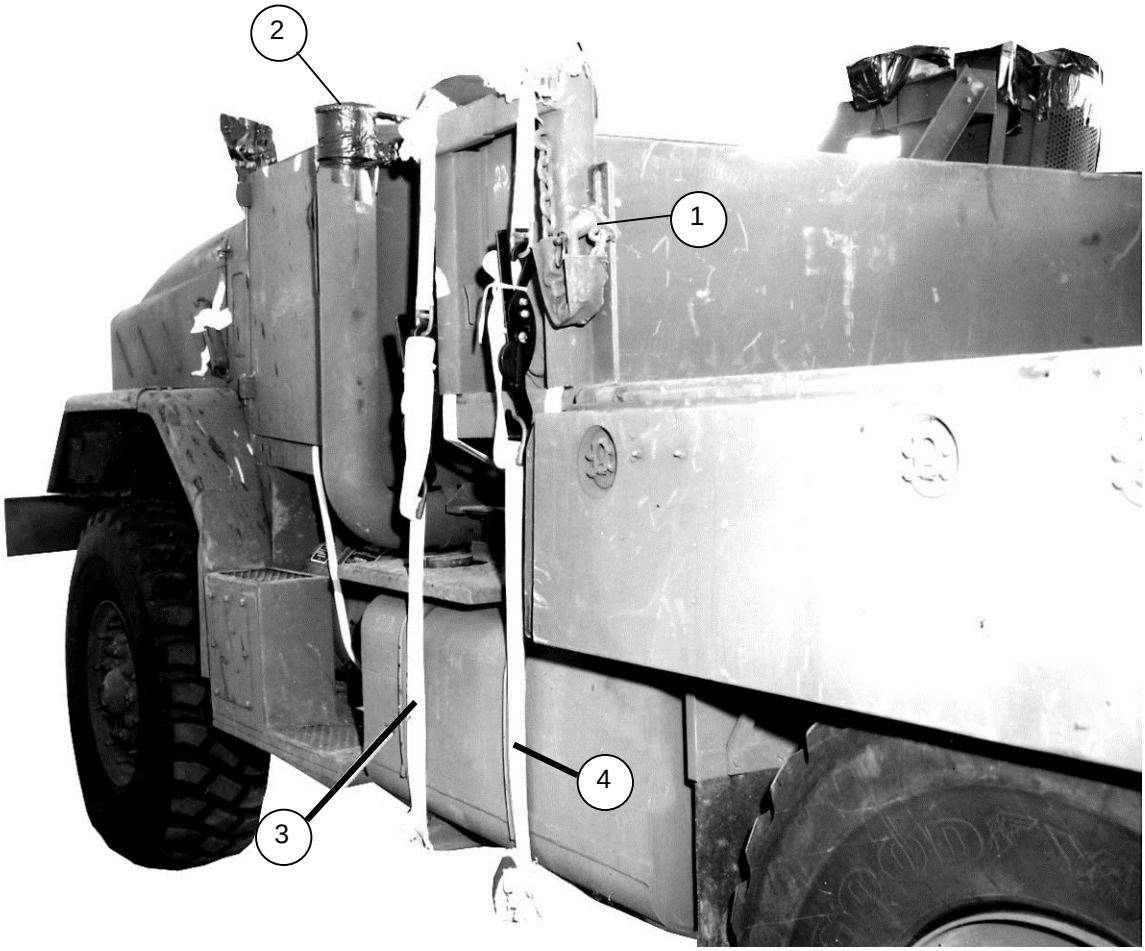
⑯ Tie both sides of the tailgate to the side bodies with ½-inch tubular nylon webbing.

Note. Do NOT pull the ½-inch webbing tight. Leave about ½-inch give in the tie

⑰ Hook each tailgate chain to a side body tiedown ring. Tie the chains in place with type III nylon cord.

⑱ Pass the free end of a 15-foot tiedown strap through the slot in the right side of the tailgate and through the rear tiedown provision. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 6-24. Truck Prepared (continued)



① Secure the front body chains with type III nylon cord.

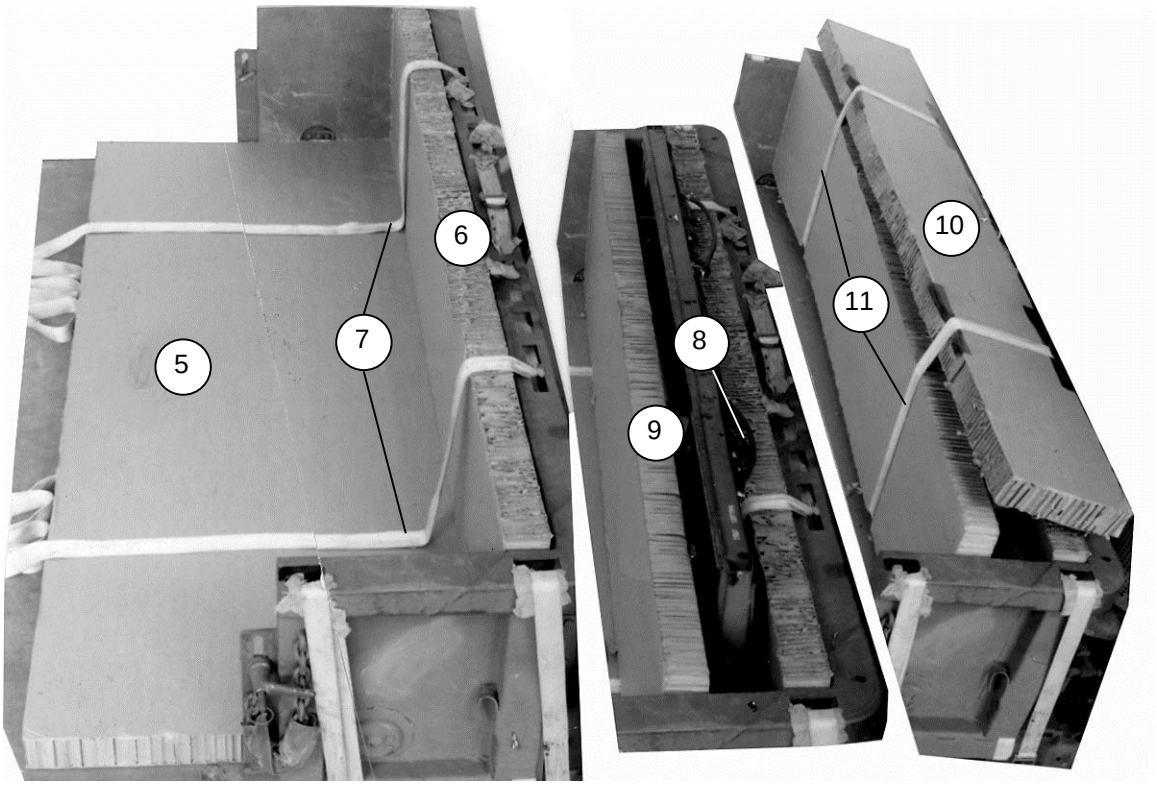
② Pad the air cleaner intake with cellulose wadding and tape the wadding in place.

③ Pass the free end of a 15-foot tiedown strap down through the first side rack socket through the front fuel tank hanger and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Pass the free end of a 15-foot tiedown strap down through the second side rack socket through the rear fuel tank hanger and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. Pall all sharp edges with cellulose wadding where the straps touch.

Figure 6-24. Truck Prepared (continued)



⑤ Place a 36- by 88-inch piece of honeycomb on the body floor against the front of the body of the truck.

⑥ Place an 18- by 88-inch piece of honeycomb against the front body of the truck.

⑦ From a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Position the strap through the front of the body of the truck passing the free ends through the rack support holes, then over the honeycomb as shown.

⑧ Pad the windshield with cellulose wadding and tape the wadding in place. Place the windshield against the 18- by 88-inch piece of honeycomb.

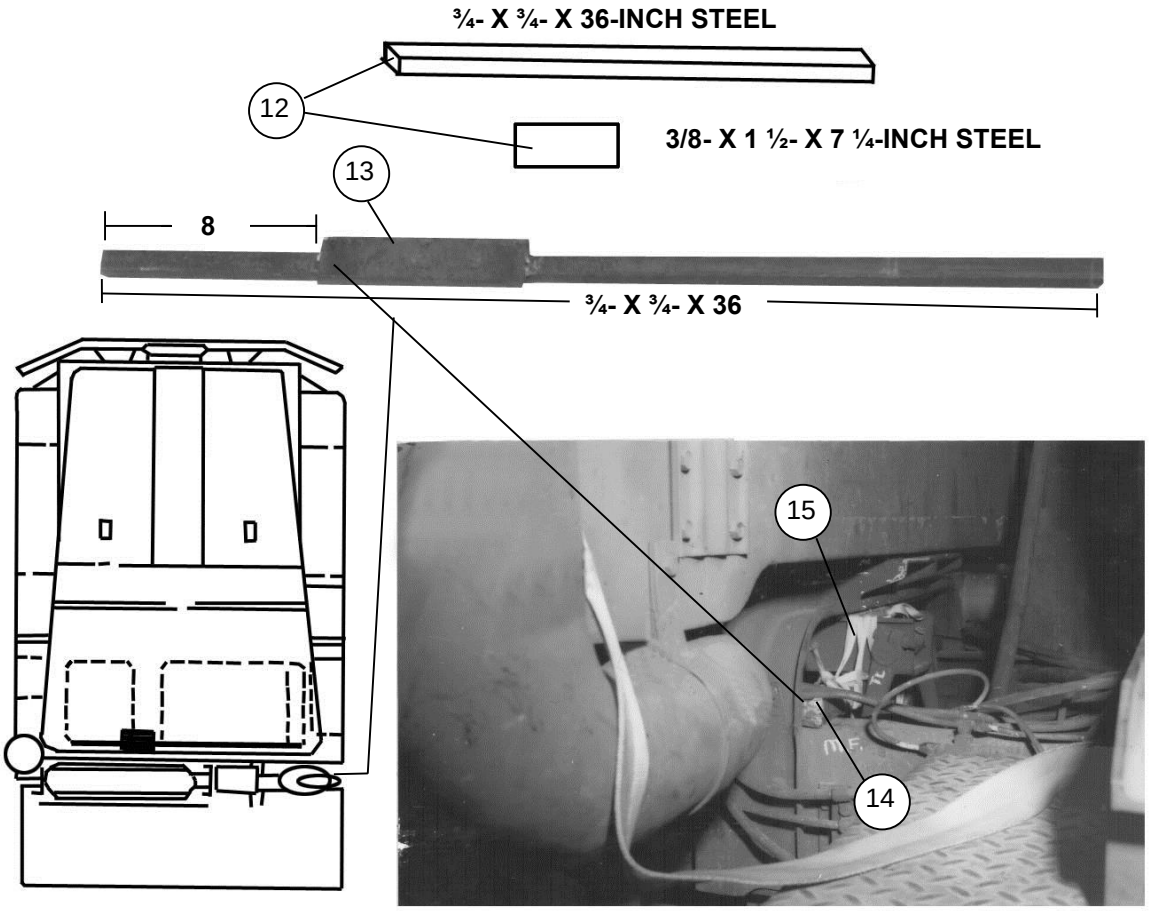
⑨ Place an 18- by 88-inch piece of honeycomb against the windshield.

⑩ Place an 18- by 88-inch piece of honeycomb on top of the windshield.

⑪ Pass each end of the strap (positioned in step 40) over the pieces of honeycomb and through a body rack socket. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 6-24. Truck Prepared (continued)

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



⑫ Construct the components of a cab support bar using a 3/8- by 1 ½- by 7 ¼-inch piece of steel and a ¾ by ¾- by 36-inch piece of steel.

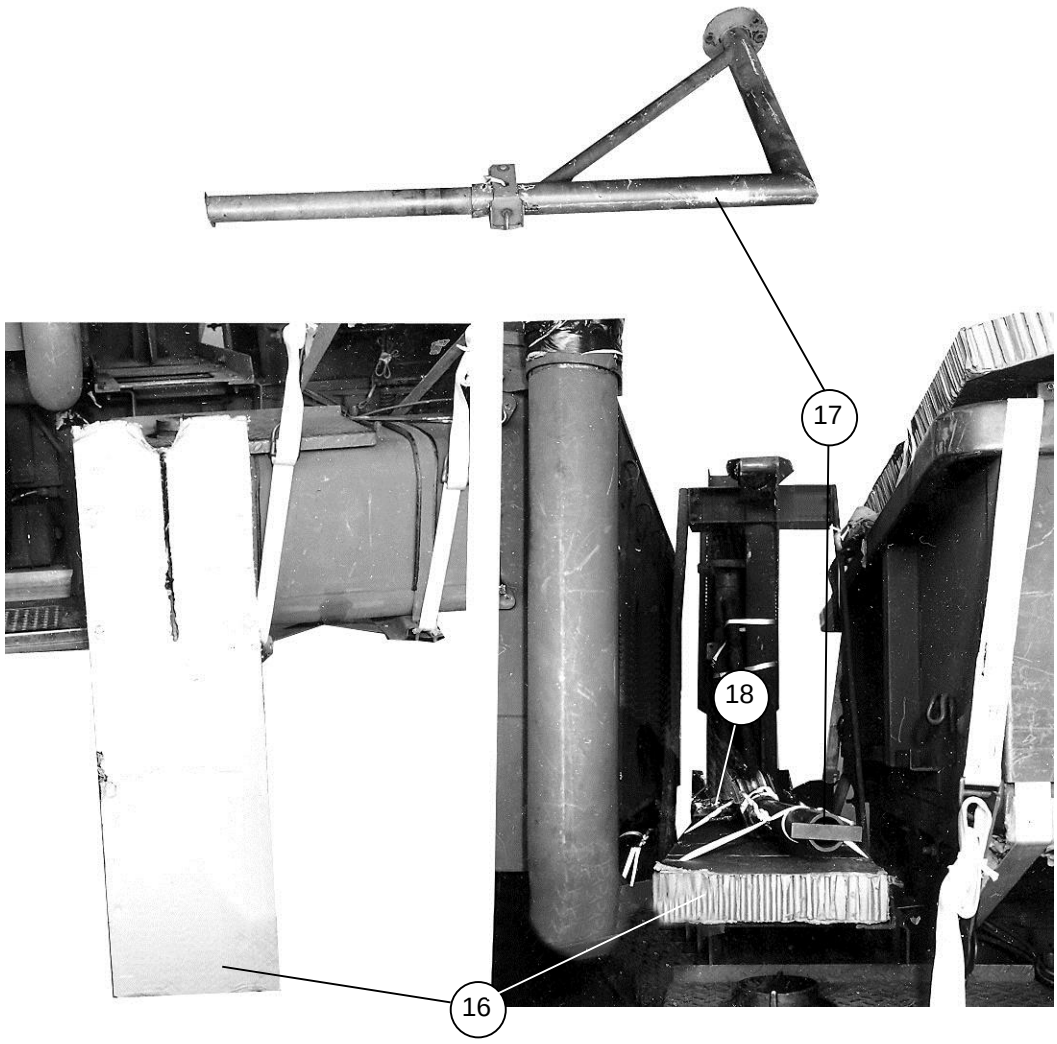
⑬ Weld the pieces of steel together as shown.

Note. The bar must be positioned from the right side of the truck.

⑭ Slide the bar in place with the 7 ¼-inch piece of steel up with one end of the bar over each main frame rail and the bar under the transfer link assembly support. The 7 ¼-inch metal plate must be closest to the left side of the truck.

⑮ Tie each end of the bar securely in place with three turns of ½-inch tubular nylon webbing.

Figure 6-24. Truck Prepared (continued)



⑯ Place a 15- by 50-inch piece of honeycomb on the base section of the spare tire rack. Cut a slit in the honeycomb so the spare tire hoist will fit in the slit.

⑰ Place the spare tire hoist on top of the honeycomb.

⑱ Secure the spare tire hoist in place using ½-inch tubular nylon webbing.

Figure 6-24. Truck Prepared (continued)

BUILDING FRAME SUPPORT

6-6. Use the material in Figure 6-25 to build the frame support. Build the frame support as shown in Figure 6-26 on pages 6-42 and 6-43.

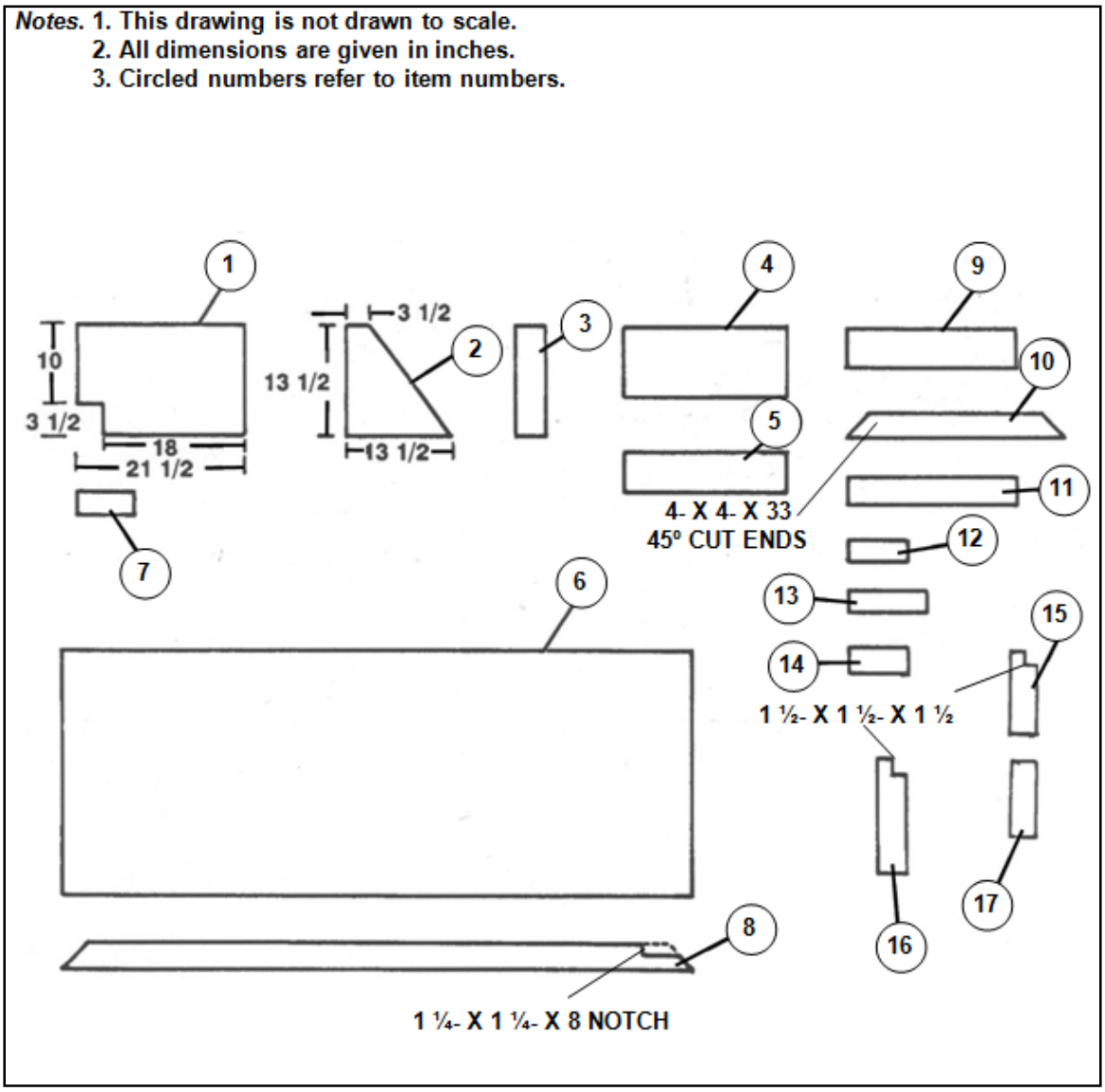
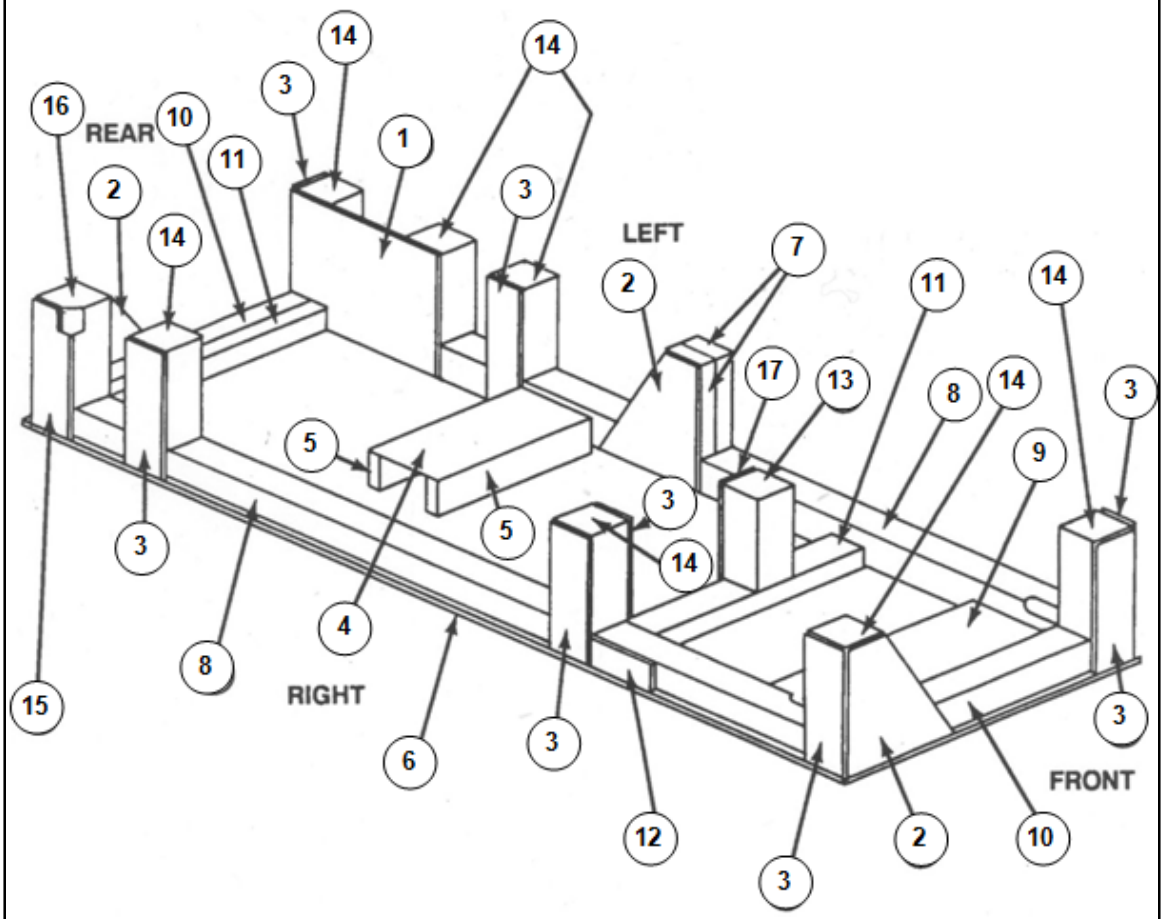


Figure 6-25. Material Required for Frame Support

Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	13 ½	21 ½	¾-inch plywood
2	3	13 ½	13 ½	¾-inch plywood
3	8	3 ½	13 ½	¾-inch plywood
4	1	8 ½	20	¾-inch plywood
5	2	3 ½ (actual)	20	2- by 4-inch lumber
6	1	36	96	¾-inch plywood
7	2	3 ½ (actual)	10	2- by 4-inch lumber
8	2	3 ½ (actual)	96	4- by 4-inch lumber
9	1	5 ½ (actual)	26	2- by 6-inch lumber
10	2	3 ½ (actual)	33	4- by 4-inch lumber
11	2	3 ½ (actual)	26	2- by 4-inch lumber
12	1	4	10	¾-inch plywood
13	1	3 ½ (actual)	10 ¾	4- by 4-inch lumber
14	7	3 ½ (actual)	10	4- by 4-inch lumber
15	1	3 ½	13 ½	¾-inch plywood
16	1	3 ½ (actual)	10	4- by 4-inch lumber
17	1	3 ½	12 ¼	¾-inch plywood

Figure 6-25. Material Required for Frame Support (continued)

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 6-25.
3. This drawing is not drawn to scale.



Steps:

1. Construct the frame support as shown.
2. Secure the plywood and lumber in place, as shown, with eight-penny sixteen-penny nails.

Figure 6-26. Frame Support Constructed

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 5-23.
3. This drawing is not drawn to scale.

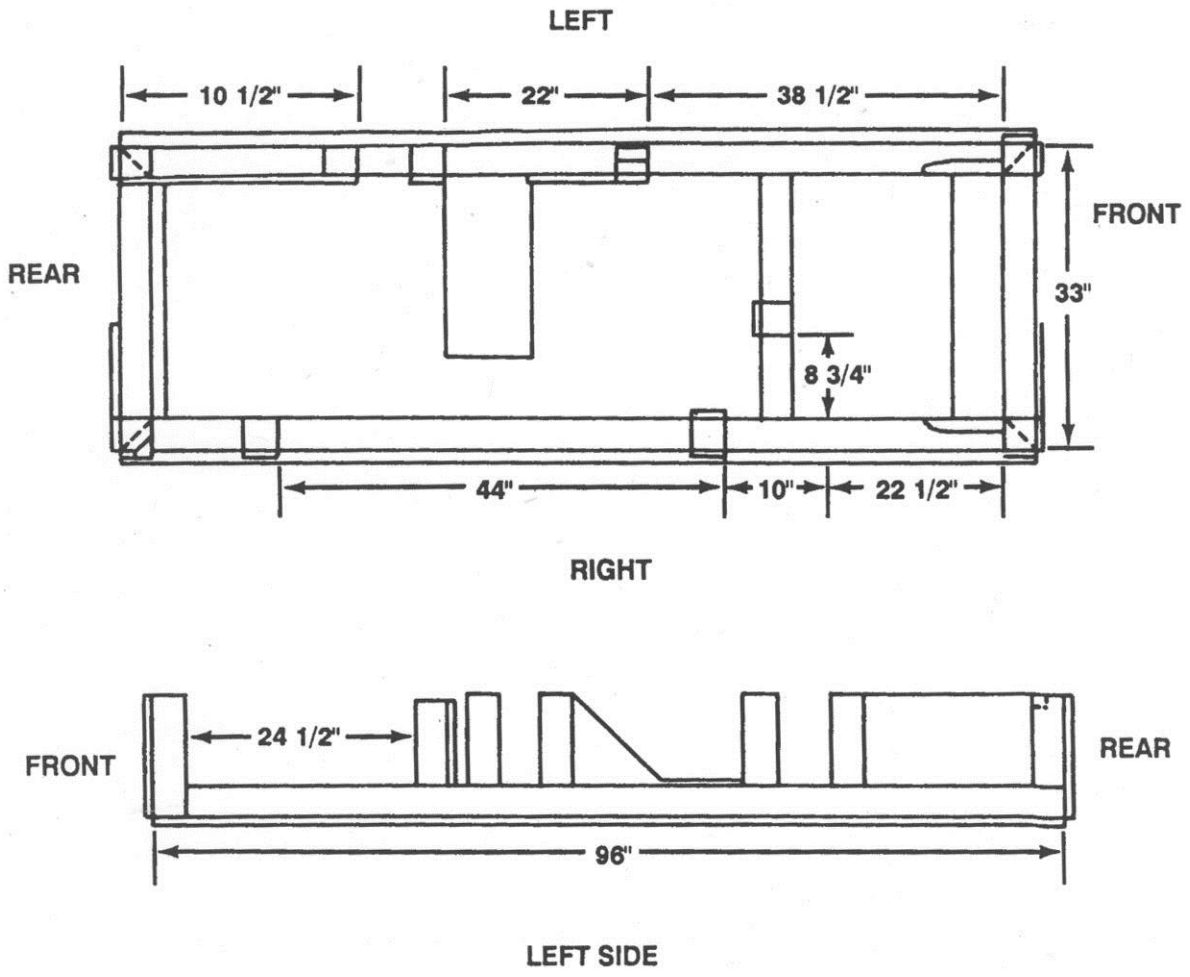
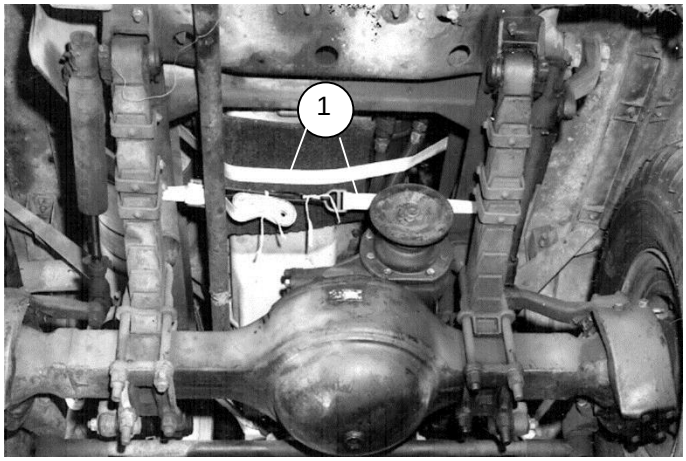
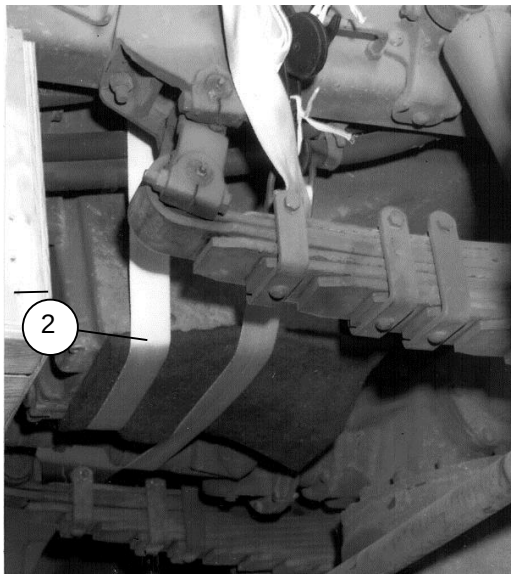


Figure 6-26. Frame Support Constructed (continued)

INSTALLING ENGINE SUPPORTS AND FRAME SUPPORT

6-7. Install the engine supports as shown in Figures 6-27 and 5-28 using two 15-foot tiedown straps. Install the frame support as shown in Figures 6-28 using four 15-foot tiedown straps

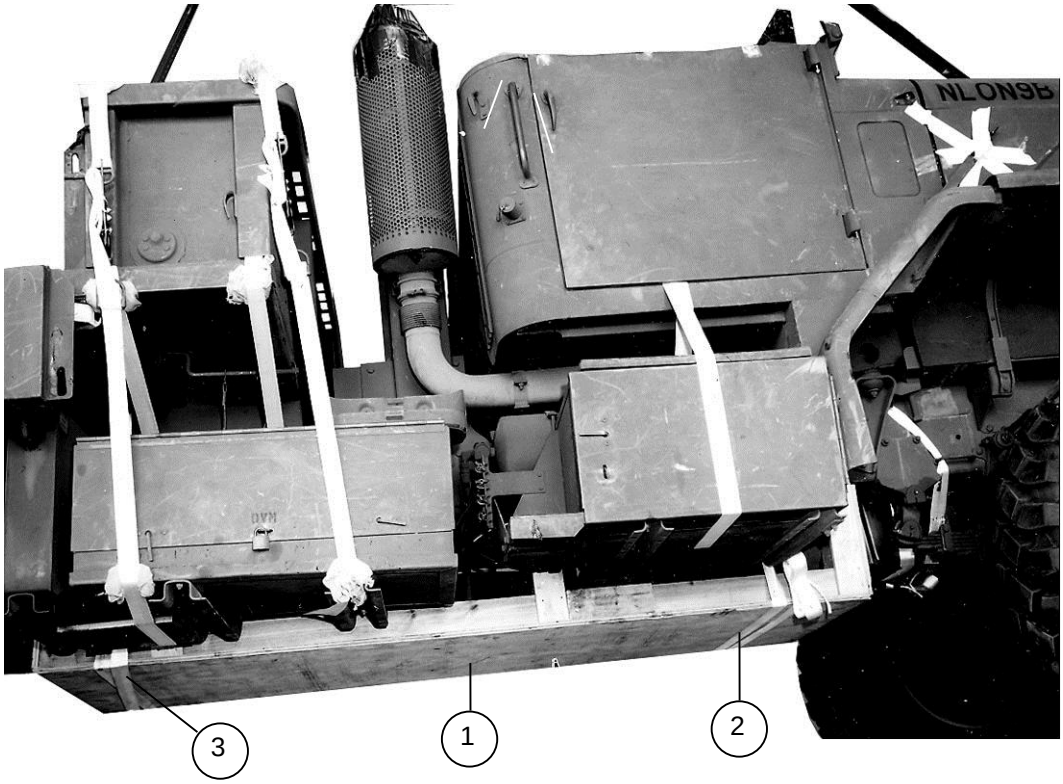




① Pass the end of a 15-foot tiedown strap around the right frame rail, under the front part of the oil pan, and around the left frame rail. Place a 12- by 12-inch piece of felt between the oil pan and strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a second 15-foot tiedown strap as explained in step 1 above, except under the rear of the oil pan. Place 12- by 12-inch piece of felt between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 6-27. Engine Supports Installed



① Position the frame support under the mainframe as shown.

② Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass one end of the strap around one mainframe rail near the front of the frame support. Pass the other end of the strap under the frame support and around the other mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Form a second 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Install the strap near the rear of the frame support adapting the procedures given in step 2 above.

Note. Position the load binders on the side of the frame support so that the load binders will not touch the honeycomb stack.

Figure 6-28. Frame Supports Installed

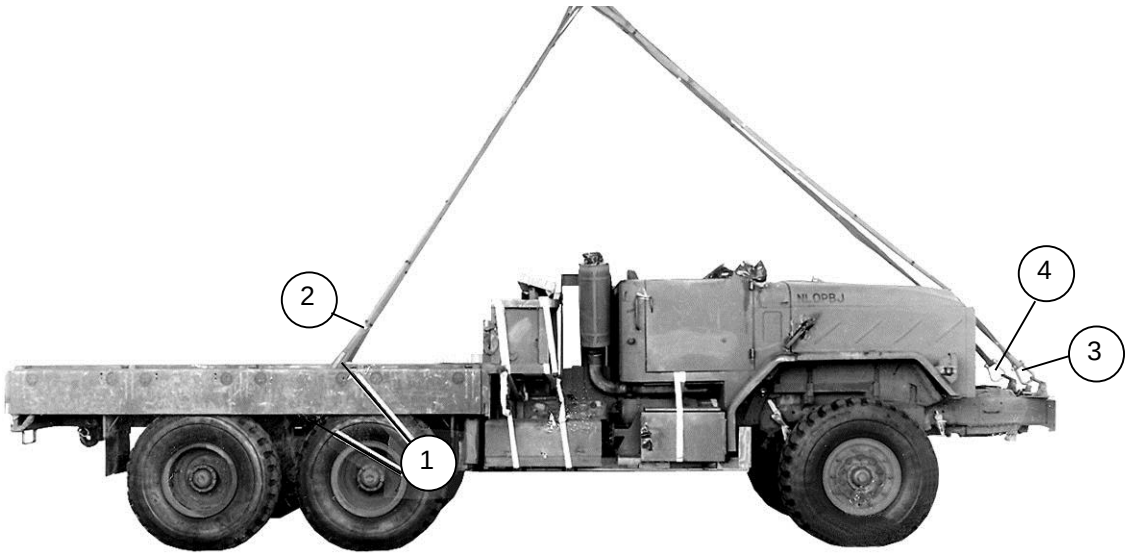
POSITIONING TRUCK

6-8. Position the truck as described below.

- Install four 16-foot (4-loop), type XXVI nylon webbing slings as shown in Figure 6-29.
- Position the truck on the honeycomb stacks as shown in Figure 6-30.

Note. Other slings of equal or greater strength may be used to lift the truck.

Note. Pad or tape the area where the slings touch the truck to protect the slings.



① Pass the end of a 16-foot (4-loop), type XXVI nylon webbing sling between the side body and the body floor of the truck. Attach the end of the sling to the spring saddle with a screw-pin clevis.

② Install another sling on the other side of the truck as described in step 1 above.

③ Attach the end of a 16-foot (4-loop), type XXVI nylon webbing sling to a front lifting shackle with a large clevis.

④ Install another sling on the other side of the truck as described in step 3 above.

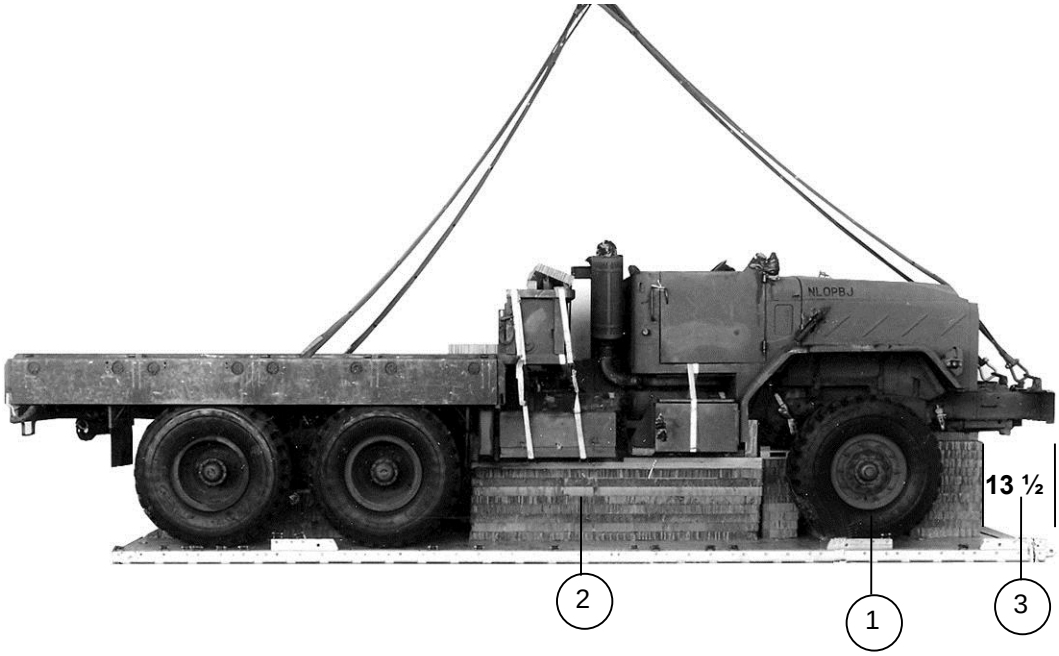
Note. After slings are attached to the truck and the lifting device, place the transmission lever in neutral and release the brakes.

Figure 6-29. Lifting Slings Installed

CAUTION

The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.

Note.. All dimensions are given in inches.



Lift the truck with the lifting slings, and position it on the honeycomb stacks with:

① The front axle centered on stack 2.

② The frame support centered on stack 4.

③ The front bumper overhanging the front of the platform by 12 inches.

Note. After the truck is positioned remove the lifting slings.

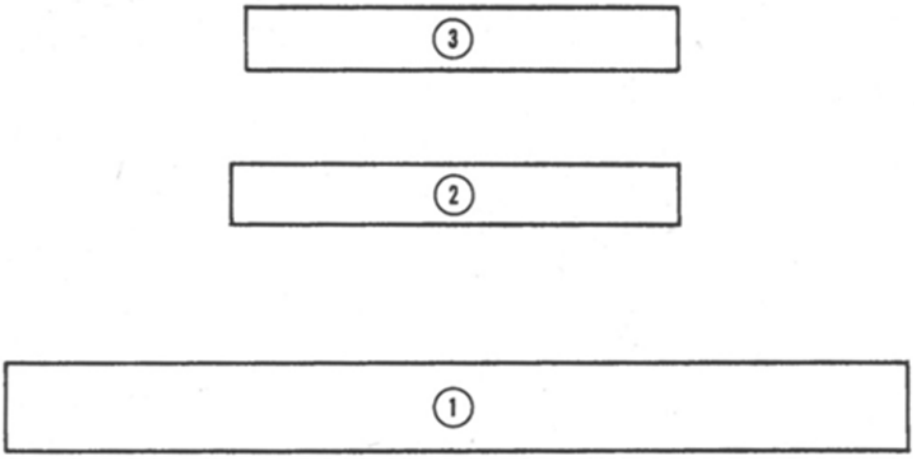
Figure 6-30. Truck Positioned

CONSTRUCTING AND INSTALLING FRONT SUSPENSION SLING SPREADERS

6-9. Construct and install the front suspension sling spreaders as described below.

- Construct the front suspension sling spreaders as shown in Figures 6-31 through 6-34.
- Install the front suspension sling spreaders as shown in Figure 6-35.

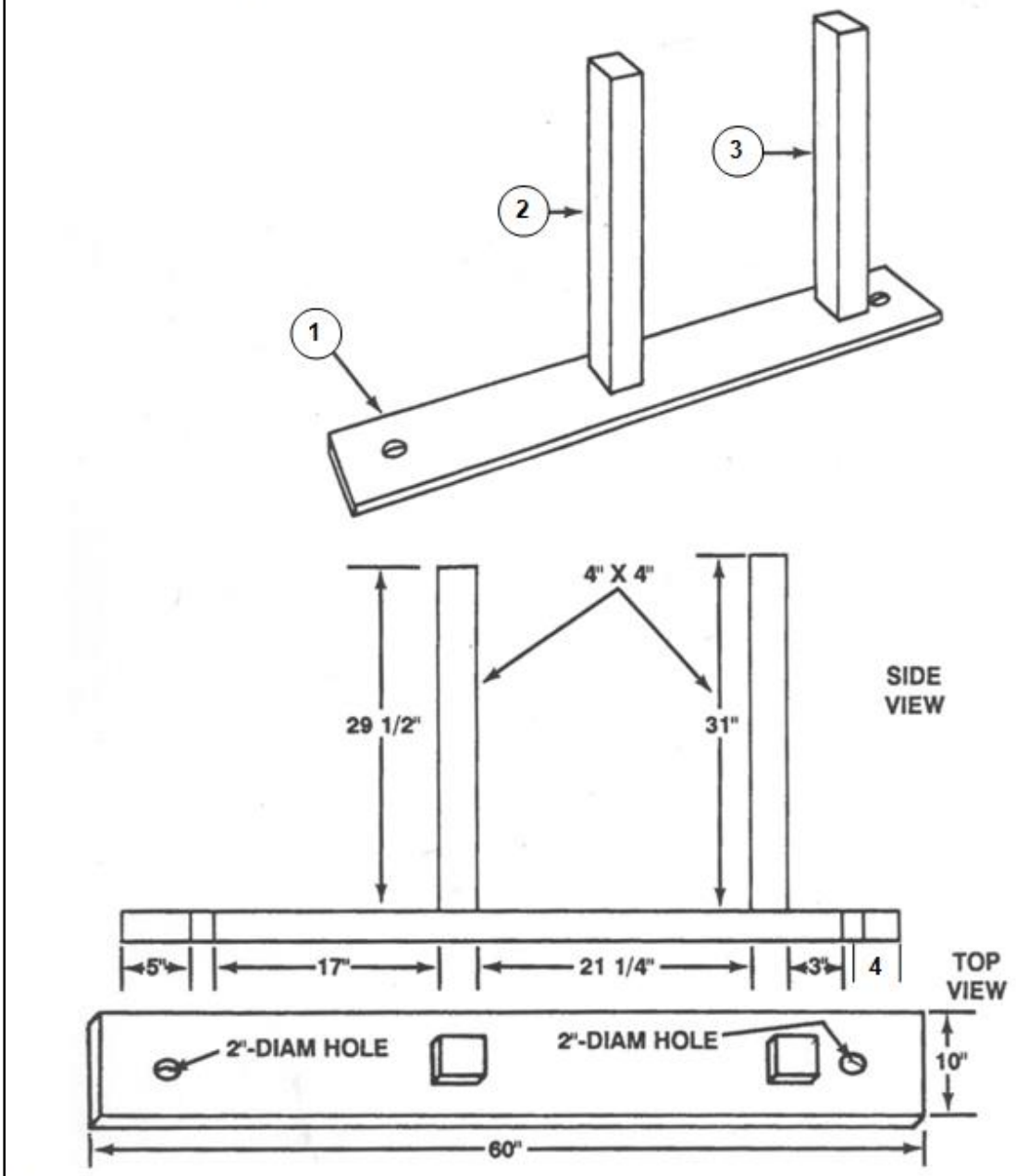
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	1 ¾	60	2- by 10-inch lumber
2	1	3 ½ (actual)	31	4- by 4-inch lumber
3	1	3 ½ (actual)	29 ½	4- by 4-inch lumber

Figure 6-31. Material Required for Left Front Suspension Sling Spreader

Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 6-31.
3. This drawing is not drawn to scale.

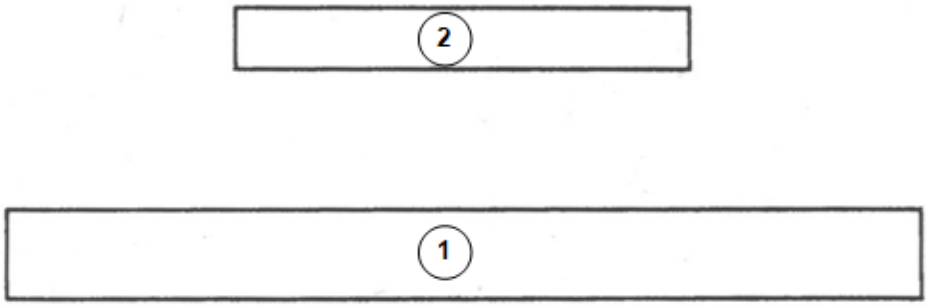


Steps:

1. Construct a left front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with 16d nails.

Figure 6-32. Left Front Suspension Sling Spreader Constructed

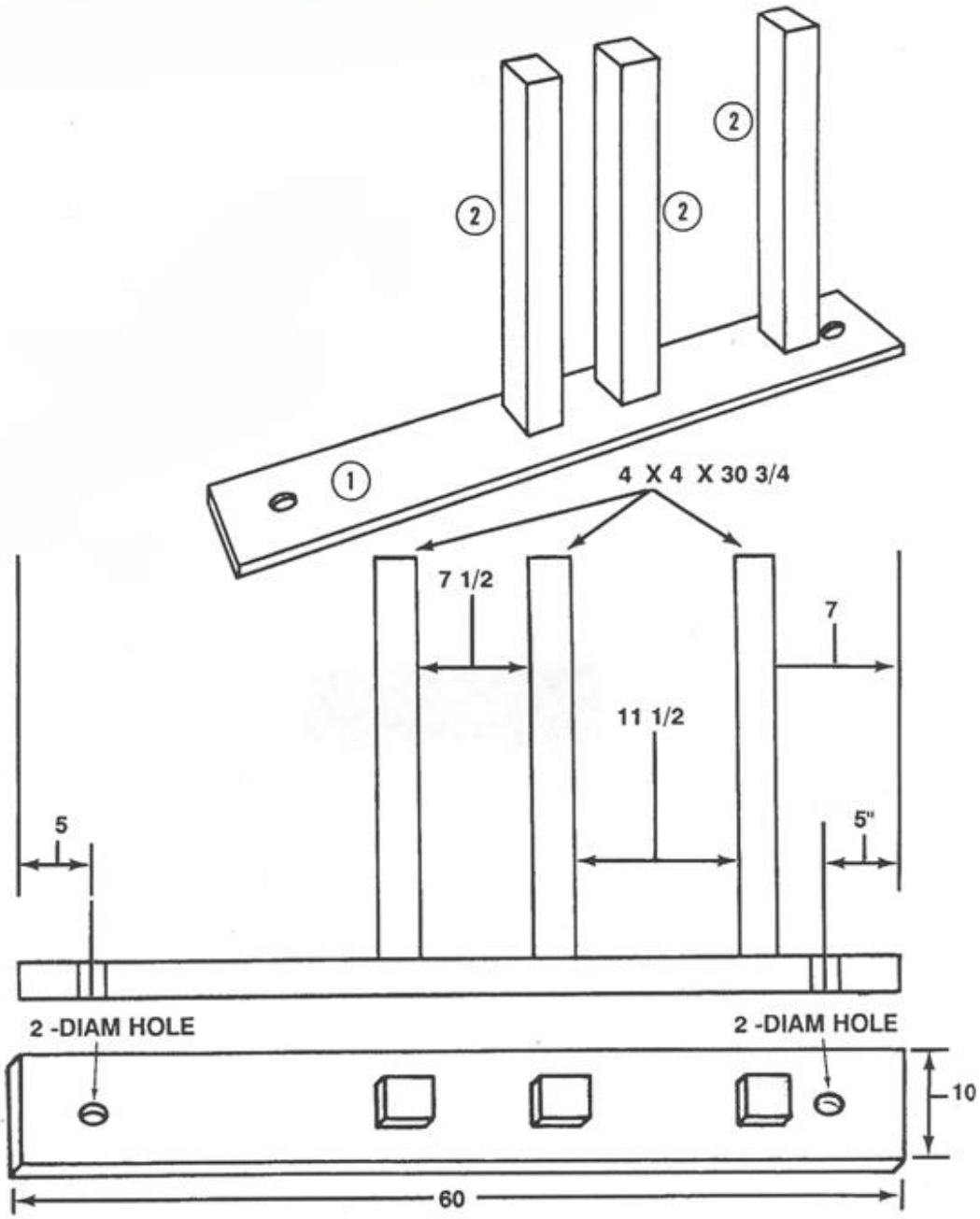
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾ (actual)	60	2- by 10-inch lumber
2	3	3 ½ (actual)	30 ¾	4- by 4-inch lumber

Figure 6-33. Material Required for Right Front Suspension Sling Spreader

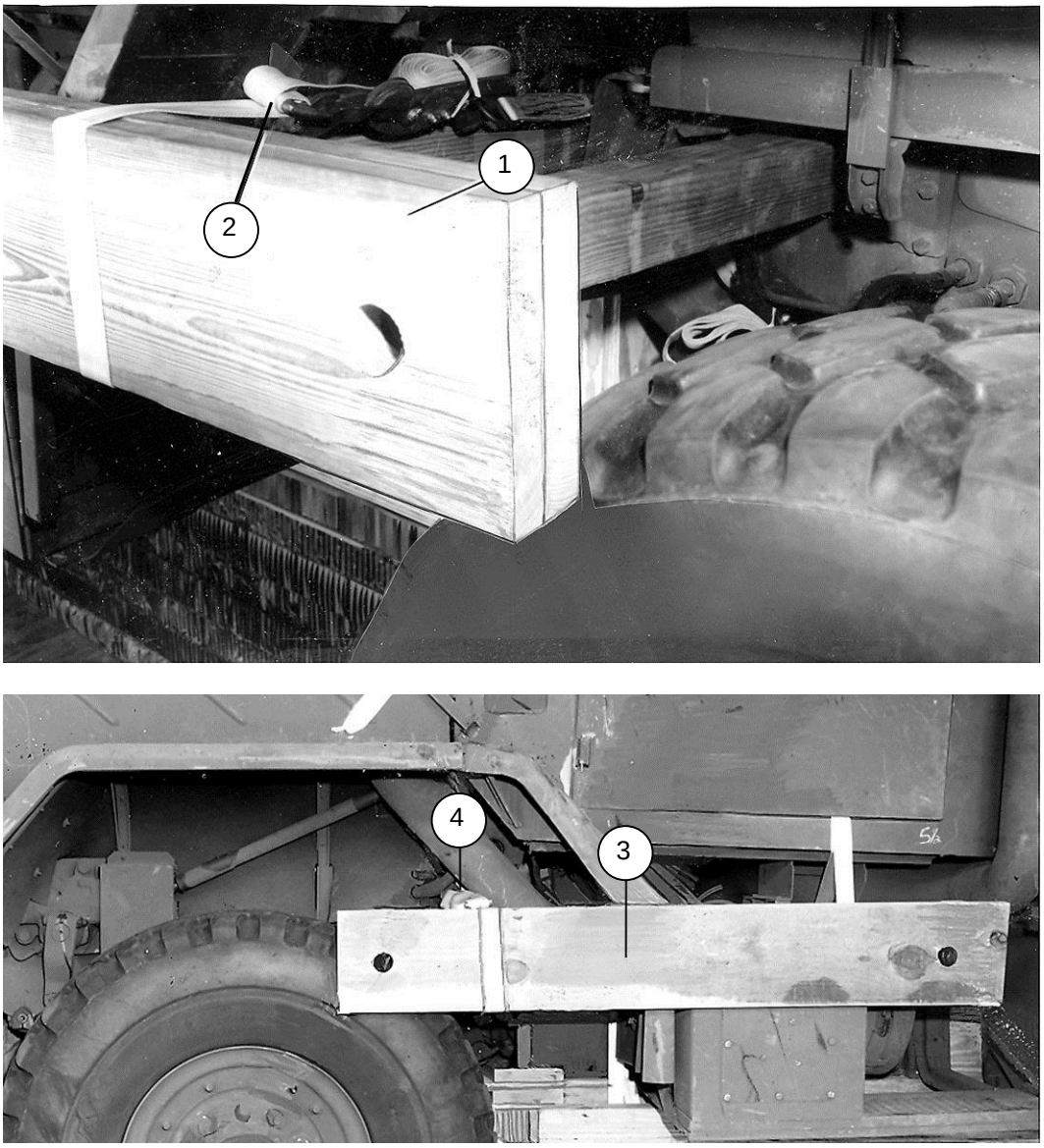
Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 6-33.
3. This drawing is not drawn to scale.



Steps:

1. Construct a right front suspension sling spreader as shown.
2. Secure the lumber in place, as shown, with 16d nails.

Figure 6-34. Right Front Suspension Sling Spreader Constructed



① Position the right suspension sling spreader against the mainframe of the truck as shown.

② Pass the free end of a 15-foot tiedown strap around the mainframe and around the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

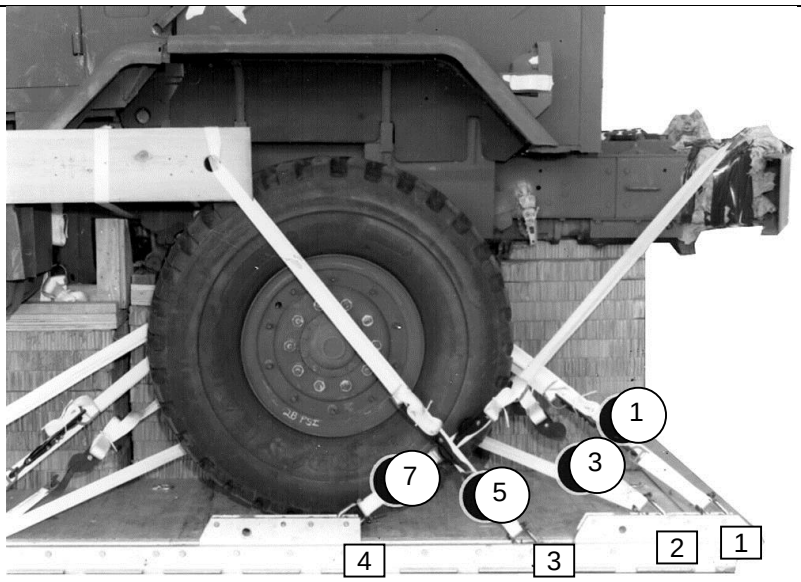
③ Position the left front suspension sling spreader against the mainframe of the truck as shown.

④ Pass the free end of a 15-foot tiedown strap around the mainframe and around the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 6-35. Front Suspension Sling Spreaders Installed

INSTALLING LASHINGS

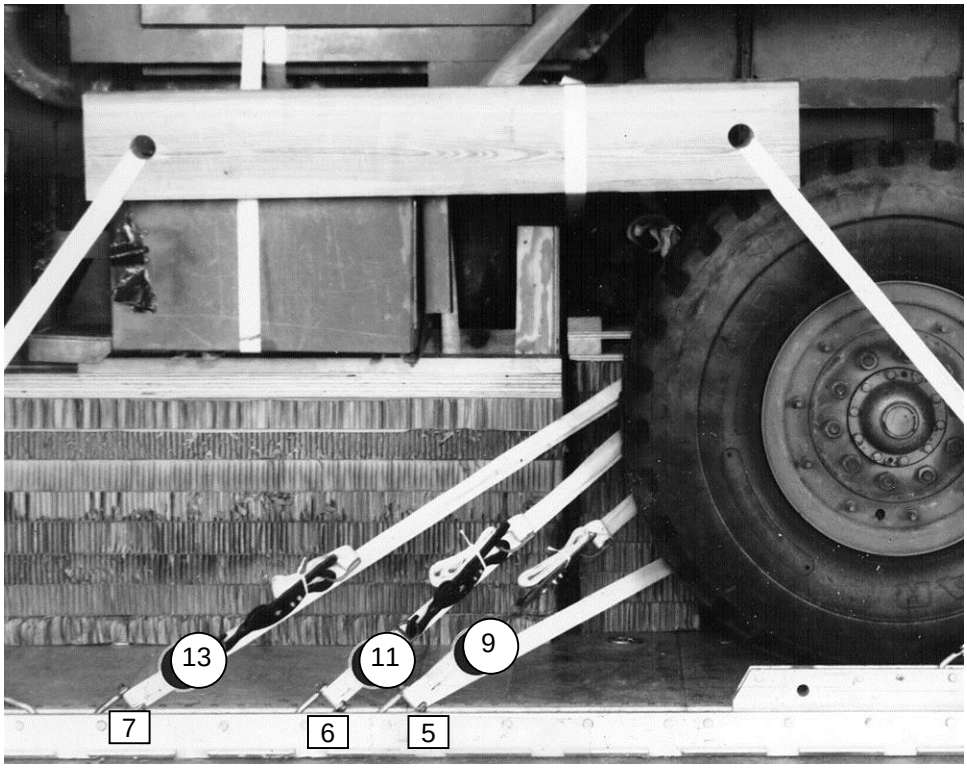
6-10. Lash the truck to the platform using thirty-six 15-foot tiedown assemblies as shown in Figures 6-36 through 6-41. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
1	1	Pass lashing: Through the front special tiedown provision on the right mainframe.
2	1A	Through the front special tiedown provision on the left mainframe.
3	2	Around the inner drum on the right axle.
4	2A	Around the inner drum on the left axle.
5	3	Through the front hole in the right front suspension sling spreader.
6	3A	Through the front hole in the left front suspension sling spreader.
7	4	Through the right front lifting shackle.
8	4A	Through the front lifting shackle, left side

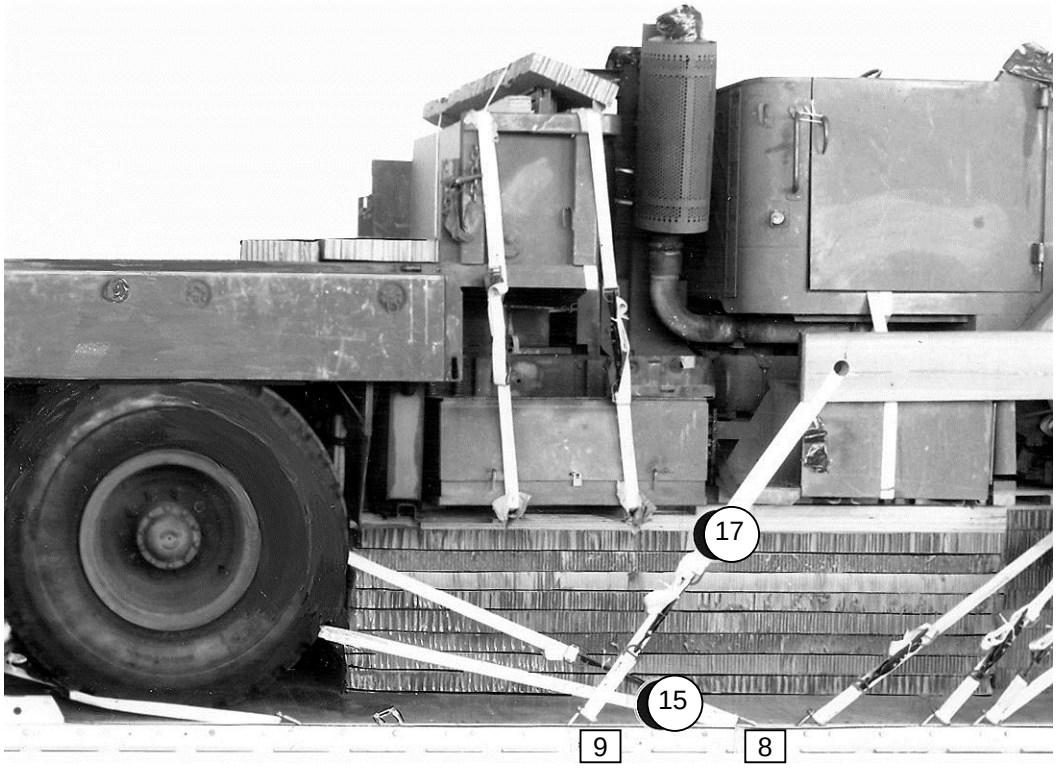
Note. See Figure 6-24, step 8, for the location of the front special tiedown provisions.

Figure 6-36. Lashings 1 Through 8 Installed



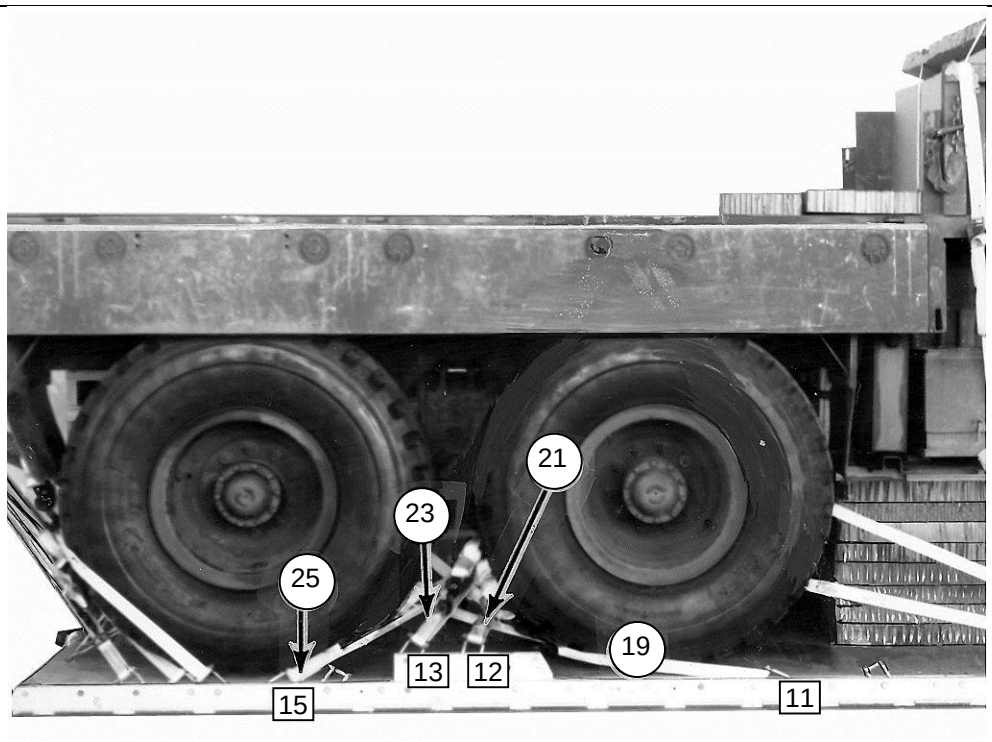
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
9	5	Around the inner drum on the right axle.
10	5A	Around the inner drum on the left axle.
11	6	Through the front special tiedown provision on the right mainframe.
12	6A	Through the front special tiedown provision on the left mainframe.
13	7	Through the front special tiedown provision on the right mainframe.
14	7A	Through the front special tiedown provision on the left mainframe

Figure 6-37. Lashings 9 Through 14 Installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
15	8	Pass lashing: Around the inner drum on the right front tandem axle.
16	8A	Around the inner drum on the left front tandem axle.
17	9	Through the rear hole in the right front suspension sling spreader.
18	9A	Through the rear hole in the left front suspension sling spreader

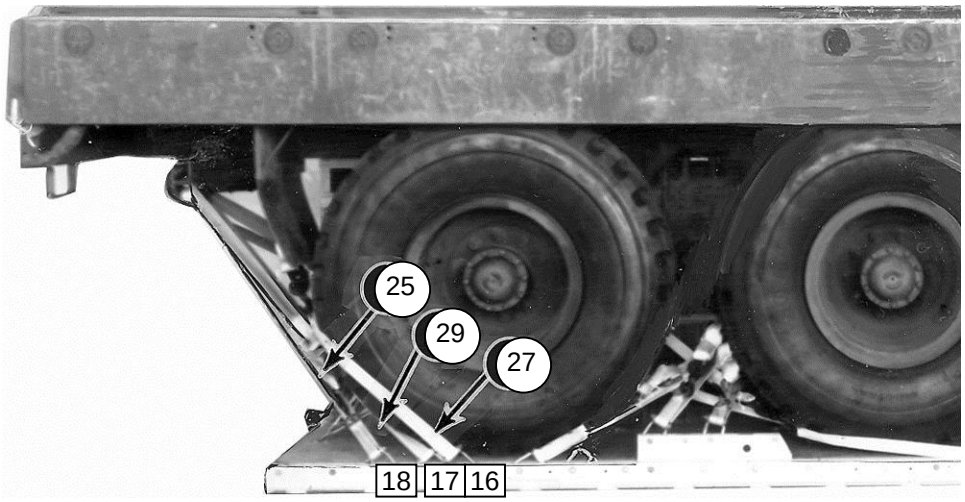
Figure 6-38. Lashings 15 Through 18 Installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
19	11	Pass lashing: Around the inner drum on the right rear tandem axle.
20	11A	Around the inner drum on the left rear tandem axle.
21	12	Around the shock absorber arm on the right front tandem axle.
22	12A	Around the shock absorber arm on the left front tandem axle.
23	13	Around the inner drum of the right front tandem axle.
24	13A	Around the inner drum of the left front tandem axle.
25	15	Around the inner drum of the right front tandem axle.
26	15A	Around the inner drum of the left front tandem axle.

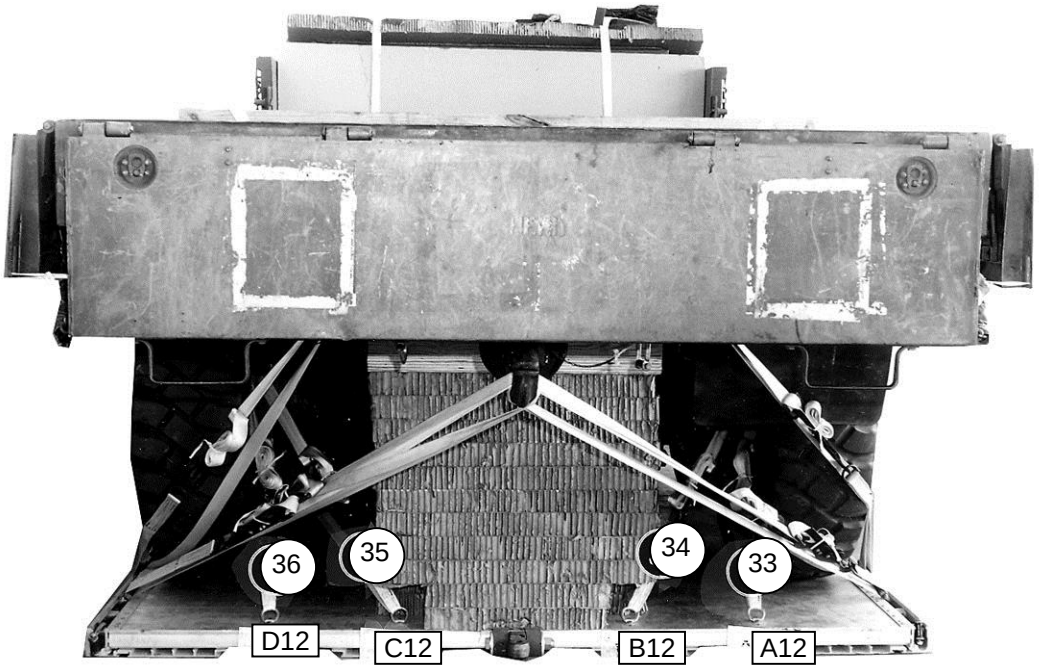
Note. See Figure 5-22, step 7, for the locations of the rear special tiedown provisions.

Figure 6-39. Lashings 19 Through 26 Installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
27	16	Pass lashing: Through the rear tiedown provision on the right mainframe.
28	16A	Through the rear tiedown provision on the left mainframe
29	17	Through the towing pintle.
30	17A	Through the towing pintle.
31	18	Through the towing pintle.
32	18A	Through the towing pintle.

Figure 6-40. Lashings 27 Through 32 Installed



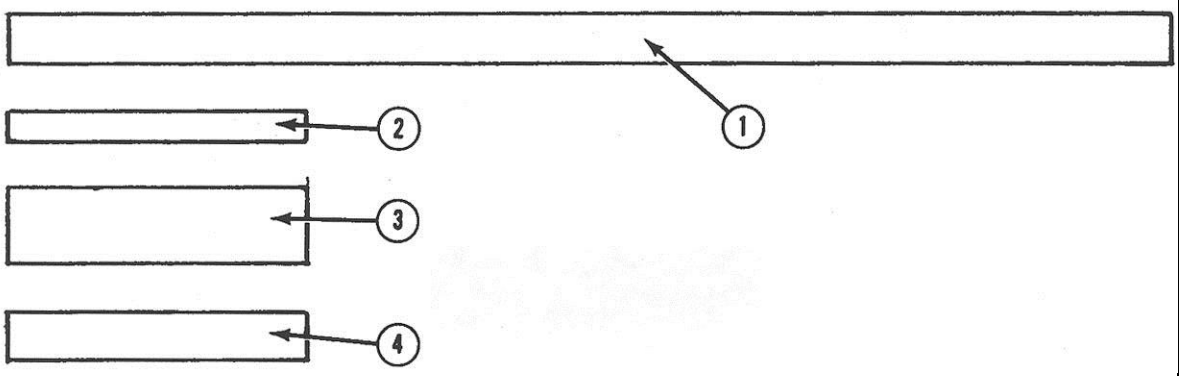
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
33	A12	Around the inner drum on the right rear tandem axle.
34	B12	Around the inner drum on the right rear tandem axle.
35	C12	Around the inner drum on the left rear tandem axle.
36		
	D12	Around the inner drum on the left rear tandem axle

Figure 6-41. Lashings 33 Through 36 Installed

CONSTRUCTING AND INSTALLING REAR SUSPENSION SLING SPREADER

6-11. Use the material in Figure 6-42 to build the rear suspension sling spreader. Construct the rear suspension sling spreader as shown in Figure 6-43. Install the rear suspension sling spreader as shown in Figure 6-44.

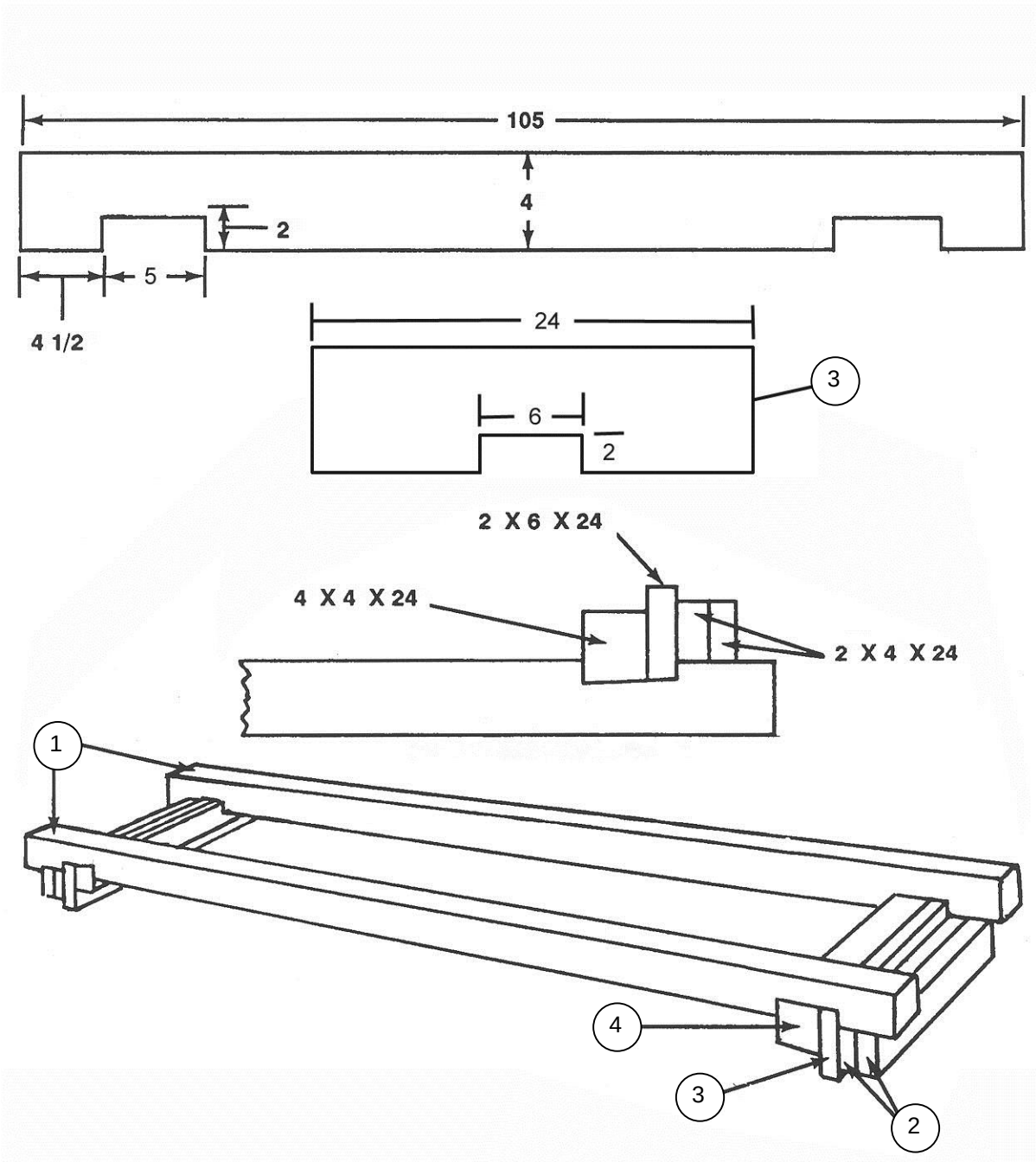
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	3 ½ (actual)	105	4- by 4-inch lumber
2	4	1 ¾ (actual)	24	2- by 4-inch lumber
3	2	1 ¾ (actual)	24	2- by 6-inch lumber
4	2	3 ½ (actual)	24	4- by 4-inch lumber

Figure 6-42. Material Required for the Rear Suspension Sling Spreader

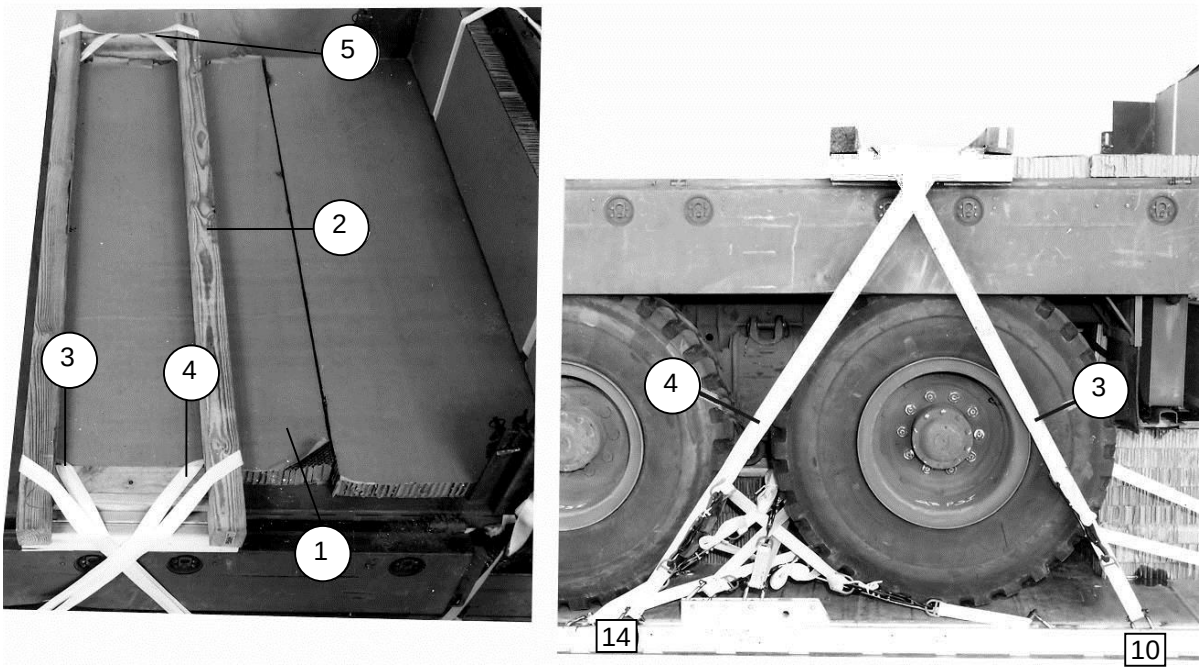
Note. 1. All dimensions are given in inches.
2. Circled numbers refer to item numbers in Figure 6-42.
3. This drawing is not drawn to scale.



Steps:

3. Construct a rear suspension sling spreader as shown.
4. Secure the lumber in place, as shown, with sixteen penny nails.

Figure 6-43. Rear Suspension Sling Spreader Constructed



① Center a 36- by 86-inch piece of honeycomb flush against the 36- by 88-inch piece of honeycomb.

② Center the rear suspension sling spreader over the front tandem wheels as shown on top of the 36- by 86- inch piece of honeycomb.

③ Pass the free end of a 15-foot tiedown strap around the rear 4- by 4- by 105-inch piece of lumber on the right side of the truck. Pass the free end of the lashing through clevis 10. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

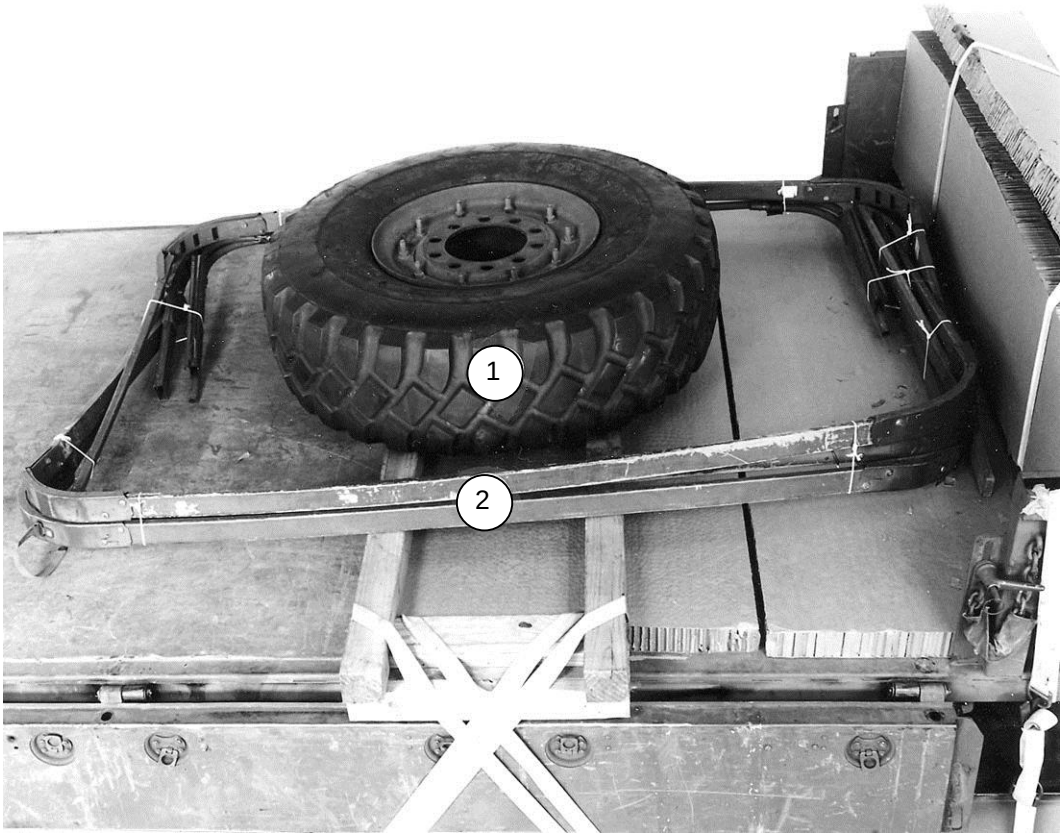
④ Pass the free end of a 15-foot tiedown strap around the front 4- by 4- by 105-inch piece of lumber on the right side of the truck. Pass the free end of the lashing through clevis 14. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Adapt the procedures in steps 2 and 3 above to secure the left side of the rear suspension sling spreader to tiedown clevises 10A and 14A.

Figure 6-44. Rear Suspension Sling Spreader Installed

SECURING SPARE TIRE

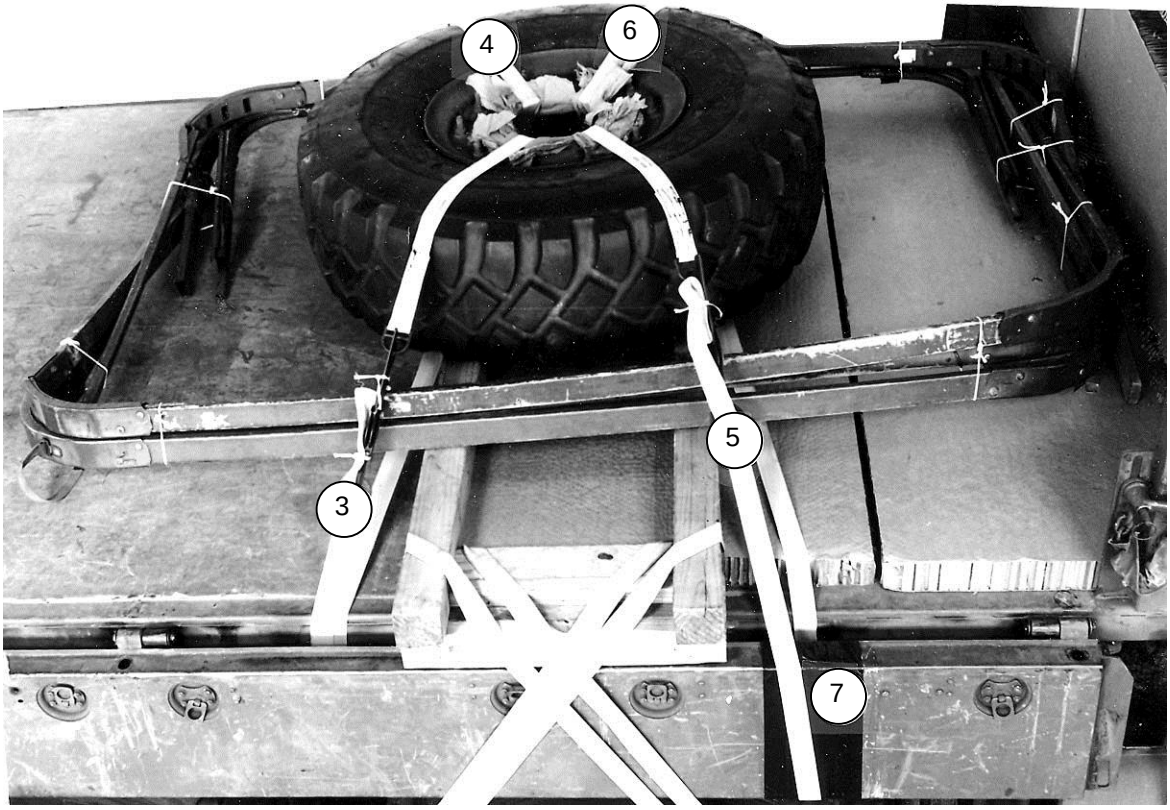
6-12. Secure the spare tire as shown in Figure 6-45.



① Center the spare tire on the rear suspension sling spreader.

② Place five cargo bed canvas ribs and one cab canvas rib around the spare tire. Tie the ribs together using type III nylon cord.

Figure 6-45. Spare Tire Secured



③ Pass the end of a 15-foot tiedown strap through the hole in the spare tire, over the rear of the suspension sling spreader between the body floor and the side body, and down to and around the pin in the right spring saddle. Pass the other end of the strap between the body floor and the side body. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Pass a 15-foot tiedown strap around the pin in the left spring saddle as described in step 3 above. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Pass a 15-foot tiedown strap through the hole in the spare tire, over the front of the suspension sling spreader, and around the right side body. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑥ Pass a 15-foot tiedown strap around the left side body as described in step 5 above. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

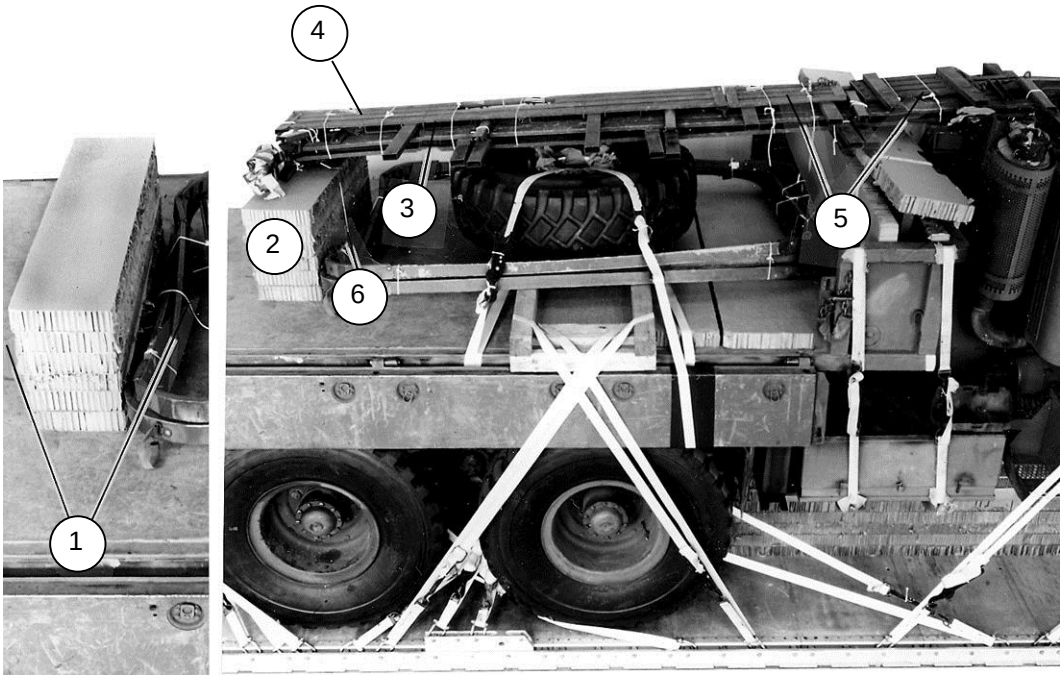
Note. Pad all sharp edges with cellulose wadding where the straps touch.

⑦ Tape a 6-inch area of the side body on both sides of the truck at the front of the rear suspension sling spreader.

Figure 6-45. Spare Tire Secured (continued)

SECURING, LASHING, AND COVERING TROOP SEATS

6-13. Secure the troop seats as shown in Figure 6-46. Lash the troop seats as shown in Figure 6-47. Cover the troop seats as shown in Figure 6-48.



① Center a 72-inch length of type III nylon cord from front to rear on the rear of the cargo bed.

② Glue six 12- by 48-inch pieces of honeycomb.. Center the honeycomb pieces 48 inches on the rear edge of the cargo bed on top of the type III nylon cord.

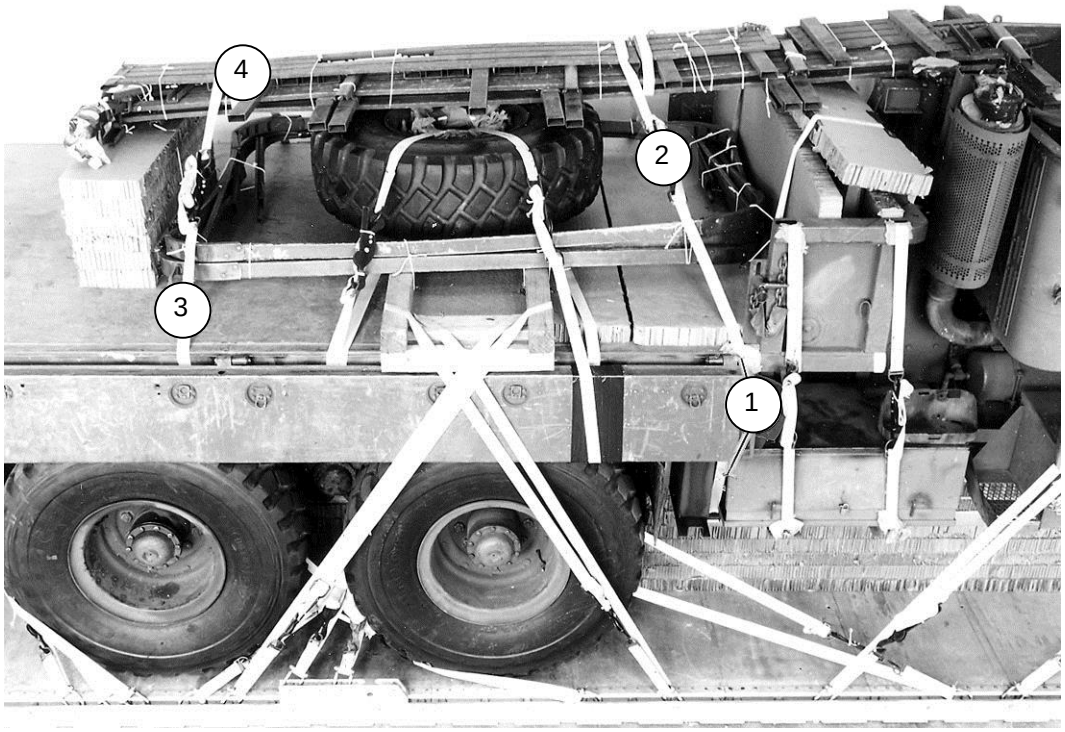
③ Interlock the troop seats with the seat sections facing each other.

④ Place the front headboards on top of the troop seats.

⑤ Place the troop seat doors on top of the troop seats

⑥ Secure the items in steps 1 through 5 above using type III nylon cord.

Figure 6-46. Troop Seats Secured



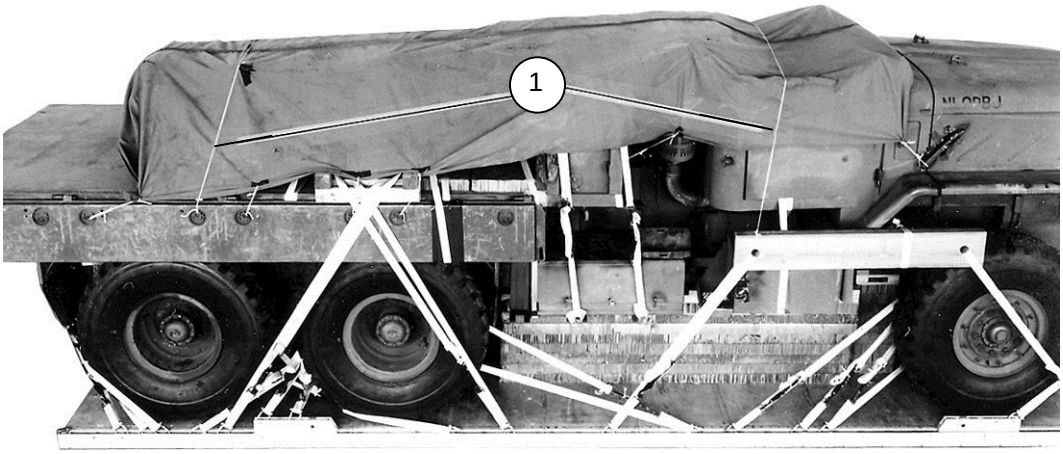
① Pass a 15-foot tiedown strap around the storage box support rack, through its own D-ring, and to the top of the cargo be. Attach a D-ring to the free and of the strap.

② Pass a 15-foot tiedown strap through the fourth tiedown provision from the front on the right side of the vehicle and through its own D-ring. Wrap the free end of the strap once around the troop seats. Attach a D-ring to the free end of the strap. Secure the strap and the strap in step 1 above using one load binder.

③ Pass a 15-foot tiedown strap through the fifth tiedown provision from the front on the right side of the vehicle and through its own D-ring. Wrap the free end of the strap once around the troop seats. Attach a D-ring to the free end of the strap.

④ Pass a 15-foot tiedown strap through the sixth tiedown provision from the front on the left side of the vehicle and through its own D-ring. Wrap the free end of the strap once around the troop seats. Attach a D-ring to the free end of the strap. Secure the strap and the strap in step 3 above using one load binder.

Figure 6-47. Troop Seats Lashed

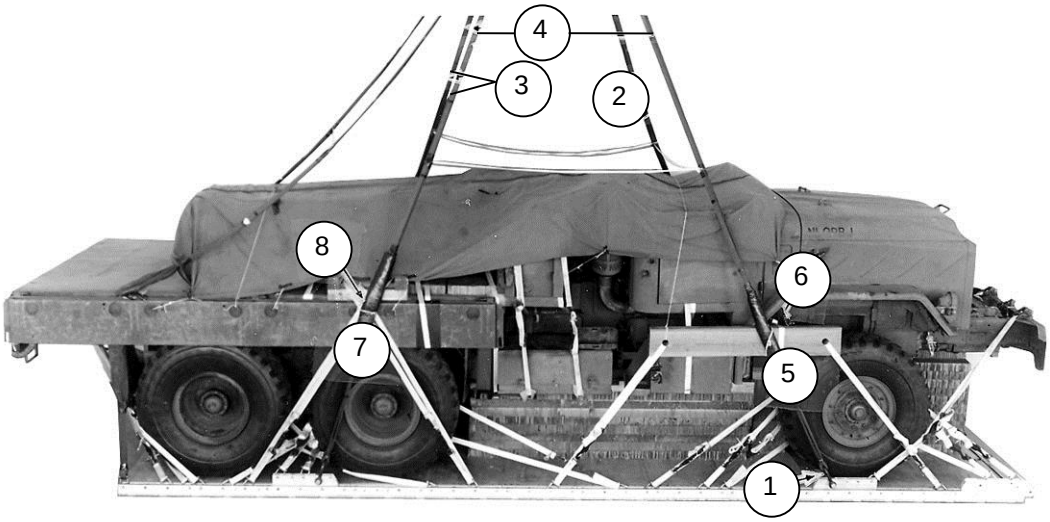


① Place a 120- by 216-inch piece of cotton duck cloth over the load. Secure the cover to convenient points on the load using type III nylon cord.

Figure 6-48. Troop Seats Covered

INSTALLING SUSPENSION SLINGS AND ANTITUMBLE SLINGS

6-14. Install the suspension slings and antitumble slings as shown in Figure 6-49.



① Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the right front suspension link.

② Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the left front suspension link.

③ Using two 16-foot, (4-loop), type XXVI nylon webbing slings, adapt the procedures in steps 1 and 2 above and install the rear suspension slings to the rear suspension links.

④ Pull the suspension slings tight above the load.

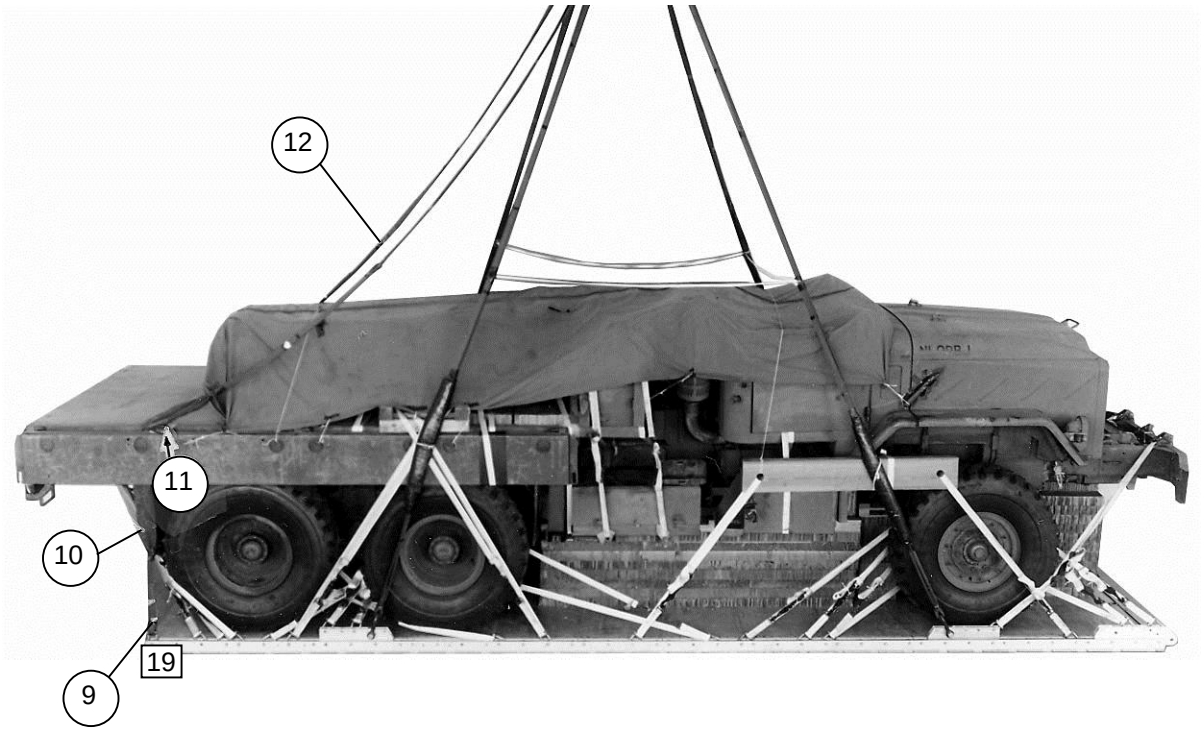
⑤ Wrap a 15- by 36-inch piece of felt around each front suspension sling 30 inches from the large clevis. Tape the felt in place.

⑥ Tie each front suspension sling to the front suspension sling spreader with a single turn of ½-inch tubular nylon webbing.

⑦ Wrap a 15- by 36-inch piece of felt around each rear suspension sling 30 inches from the large clevis. Tape the felt in place.

⑧ Tie each rear suspension sling to the side board ring tiedown with a single turn of ½-inch tubular nylon webbing.

Figure 6-49. Suspension Slings and Antitumble Slings Installed



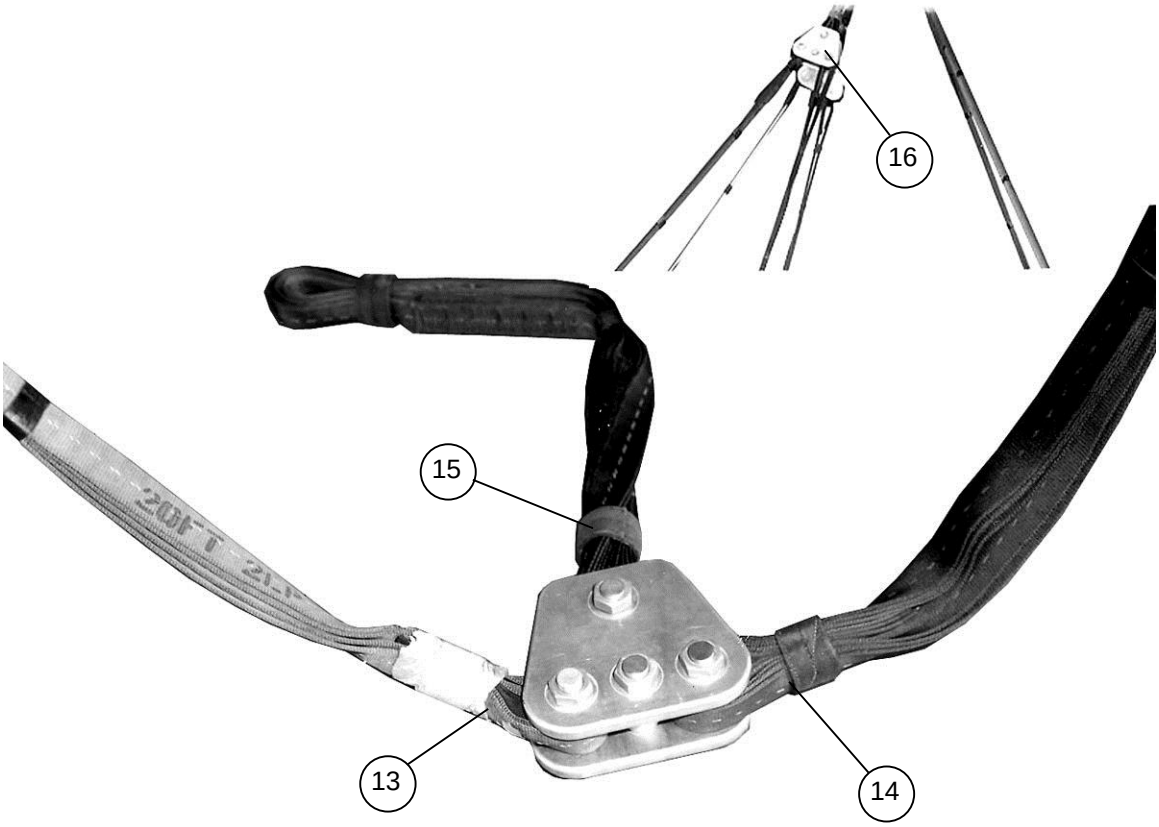
⑨ Pass one end of a 20-foot (2-loop), type XXVI nylon sling (antitumble sling) between the right side body and the body floor to the rear of the fourth side body hinge. Attach the end of the sling to tiedown clevis 19.

⑩ Slide a cloth sling cover over the sling. Slide the cover toward the clevis until covers the area of the sling which touches the truck. Tape the sling cover in place. Cloth material or cellulose wadding may be substituted for the sling cover.

⑪ Pad the fourth side body hinge with cellulose wadding and tape the wadding in place.

⑫ Adapt the procedures in steps 9 through 11 above and install an antitumble sling on the left side of the truck.

Figure 6-50. Suspension Slings and Antitumble Slings Installed (continued)



⑬ Attach the free end of the right antitumble sling to the left outside bolt of a four-point link assembly.

⑭ Attach the free end of the right rear suspension sling to the right outside bolt of the four-point link assembly.

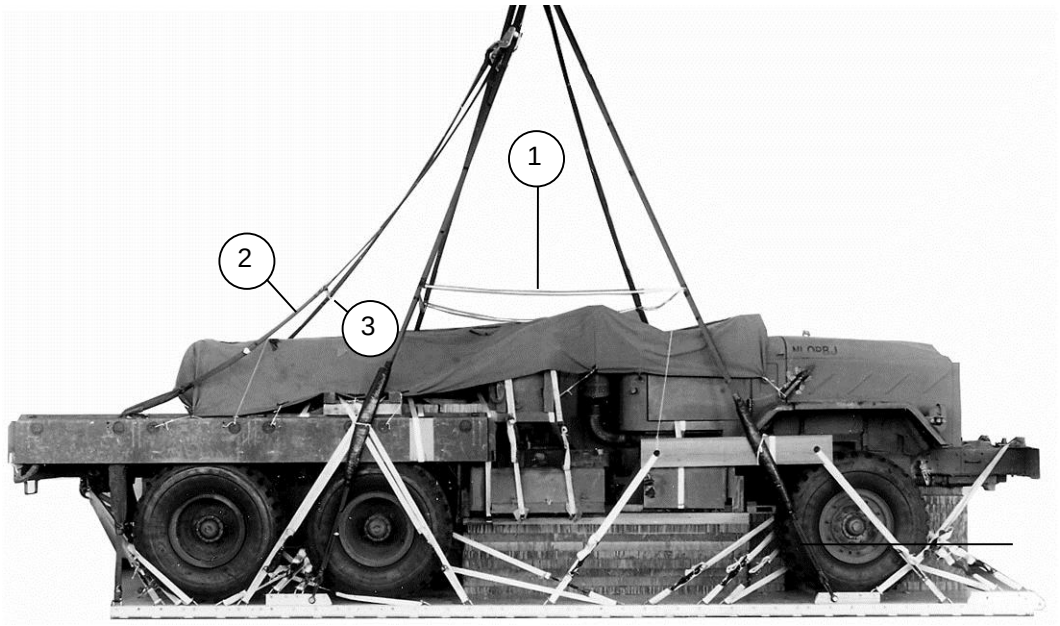
⑮ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the top bolt of the four-point link assembly.

⑯ Adapt the procedures in steps 13 through 15 above and install a four-point link assembly and 3-foot sling on the left side of the load.

Figure 6-51. Rear Suspension Sling Spreader Installed (continued)

INSTALLING DEADMAN'S TIE

6-15. Install the deadman's tie as shown in Figure 6-52.



① Install a deadman's tie according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Use a length of ½-inch tubular nylon webbing. Pass one end of the webbing through the plies of the right antitumble sling four feet from the body floor. Pass the webbing completely around the sling and tie it with a surgeon's knot, a locking knot, and an overhand knot in the shorter end.

③ Pass the free end of the ½-inch tubular nylon webbing to the left antitumble sling. Leave 6 inches of slack in the 1/2-inch webbing, and tie the free end of the webbing to the sling as described in 2 above.

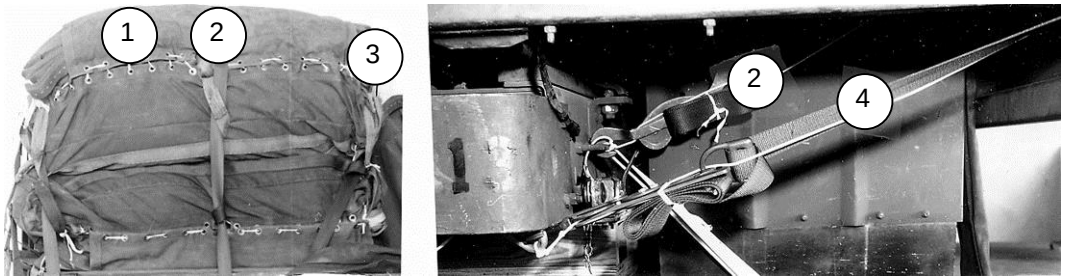
Figure 6-52. Deadman's Tie and Safety Tie Installed

STOWING CARGO PARACHUTES

6-16. Stow six G-11C cargo parachutes on the truck as shown in Figure 6-53.

CAUTION

These parachute restraint straps must be tight. Recheck each strap after transportation and before loading the aircraft.



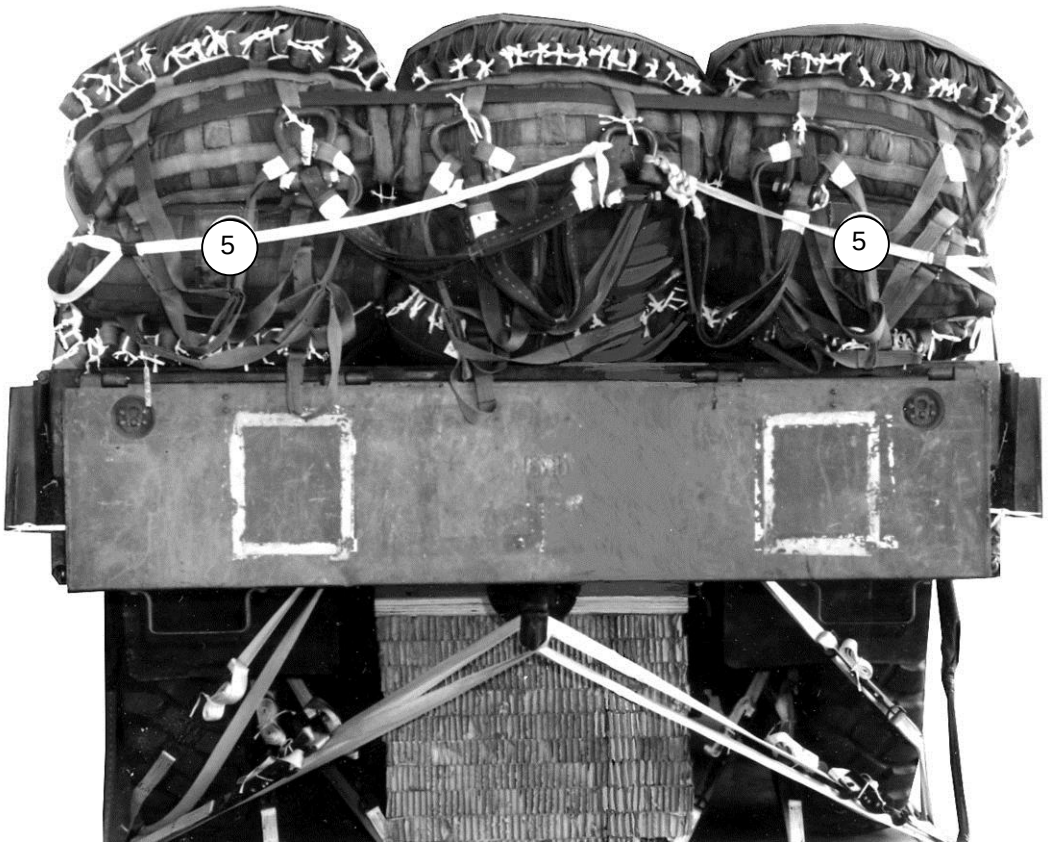
① Prepare and position six G-11C cargo parachutes in the rear of the truck as shown. Each parachute requires a 120-foot riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a type X nylon webbing parachute restraint strap over the center of the parachutes between the side body and the truck bed. Use a D-ring and a load binder to secure each end of the strap to the last tiedown provision on the frame of the truck. Safety the load binders to the load using type III nylon cord.

③ Install a type X nylon webbing parachute restraint strap through the top row of parachutes, between the side body and the truck bed behind the second to the last hinge. Use a D-ring and a load binder to secure each end of the strap to the second from the last tiedown provision on the frame of the truck. Safety the load binders to the load using type III nylon cord.

④ Attach a type V platform clevis to the tiedown clevis under each bumperette. Then install a type X nylon webbing parachute restraint strap through the top row of parachutes, between the side body and the truck bed behind the last hinge. Use a D-ring and a load binder to secure each end of the strap to the type V clevis installed above. Safety the load binders to the load using type III nylon cord.

Figure 6-53. Cargo Parachutes Stowed

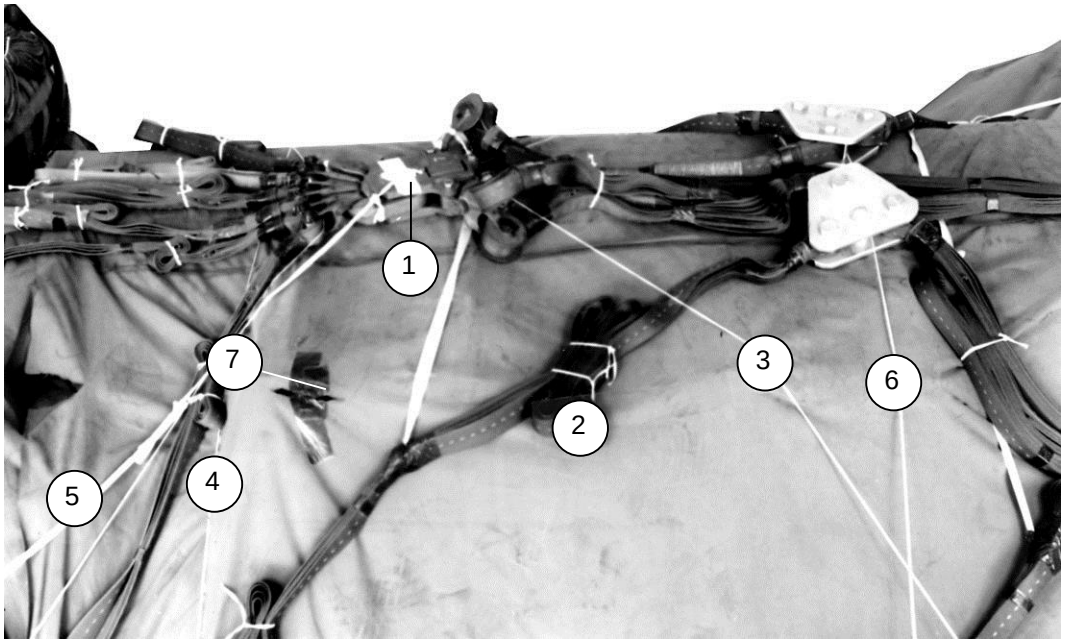


① Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 6-53. Cargo Parachutes Stowed (continued)

INSTALLING RELEASE SYSTEM

6-17. Prepare and install the release system as shown in Figure 6-54.



① Prepare an M-2 cargo parachute release assembly according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on top of the load.

② Fold the suspension slings and secure the folds with single turns of type I, ¼-inch cotton webbing.

③ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

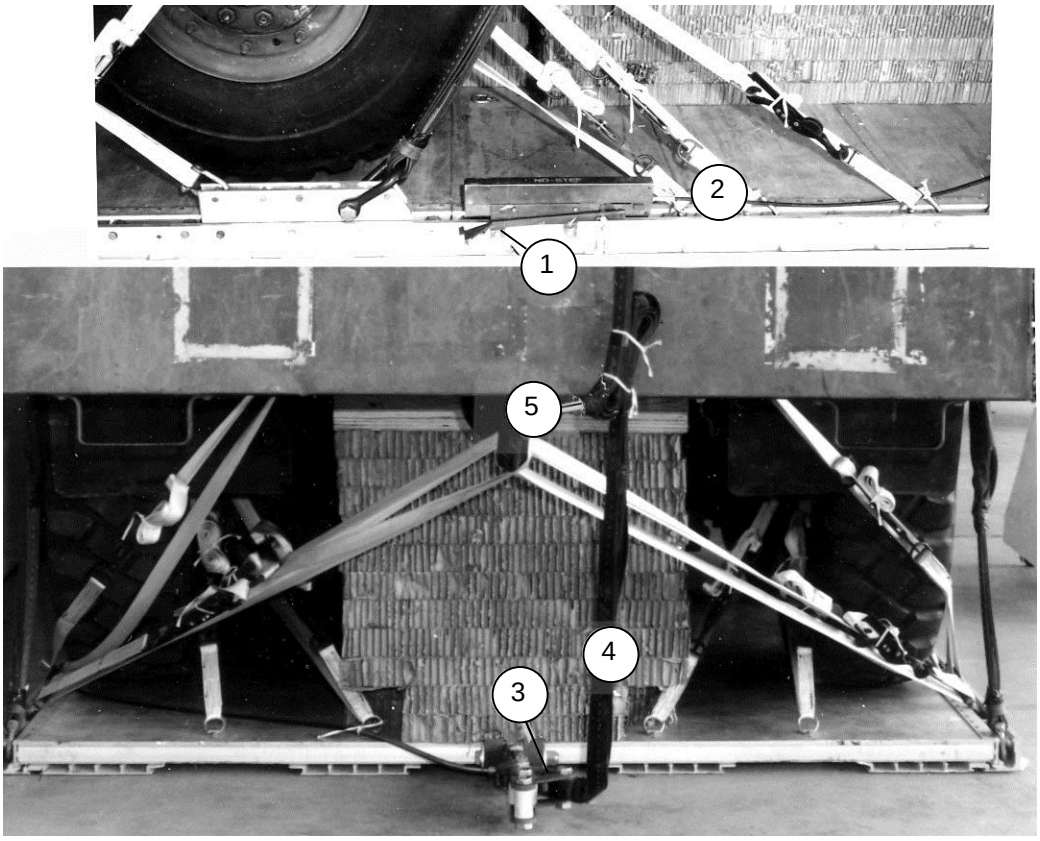
⑤ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑥ Safety the four point links with type III nylon cord to convenient points on the load.

Figure 6-54. Release System Installed

INSTALLING EXTRACTION SYSTEM

6-18. Install the extraction force transfer coupler extraction system as shown in Figure 6-55.



① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the rear mounting holes in the left platform rail.

② Install an actuator with a 24-foot cable to the EFTA mounting brackets according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Use a 5 1/4-inch latch assembly adapter, and attach the latch assembly to the extraction bracket according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 with the locking nut hole facing toward the left side of the platform.

④ Connect one end of a 9-foot (4-loop), type XXVI nylon webbing sling (deployment line) to the top spacer of the link assembly. Connect the free end to the center large suspension clevis on the 3-foot clustering slings.

⑤ Fold the excess deployment line and secure the folds in place with tape or type I, ¼-inch cotton webbing.

Figure 6-55. Extraction System Installed

PLACING EXTRACTION PARACHUTE

6-19. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISION FOR EMERGENCY RESTRAINTS

6-20. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

6-21. Mark the rigged and load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 and as shown in Figure 6-56. Complete *Shipper's Declaration for Dangerous Goods*. If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

6-22. Use the equipment listed in Table 6-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……29,440 pounds

Maximum load allowed……...……1,500 pounds

Height……100 inches

Width ……108 inches

Length ……..333 inches

Overhang: Front ……13 ½ inches

Rear ……31 ½ inches

CB (from front edge of platform) ……..153 inches

Extraction System……..…….Extraction Force Transfer Coupler

Figure 6-56. M925A1, 5-Ton Cargo Truck Rigged for Low-Velocity Airdrop on a Type V Platform

Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-01-035-6054	Bridle, extraction line bag (Use w extraction line leaf.)	1
4030-00-090-5354	Clevis, suspension, 1-in (large)	6
8305-00-242-3593	Cloth, cotton duck, 60-in	As required
8305-00-242-3593	Cord, nylon, type III, 550-lb	As required
4020-00-240-2146	Coupling, airdrop, extraction force transfer, w	
1670-00-434-5782	24-ft cable]	1
	Cover:	
	Clevis, large	6
8135-00-664-6958	Cushioning material, packaging, cellulose wadding	As required 6
5365-00-958-3685	Felt, ½-inch thick	As required
	Frame support:	
5510-00-220-6146	Lumber:	
	2- by 4-in:	
	10-in	2
	20-in	2
	26-in	2
5510-00-220-6148	2- by 6- by 26-in	1
5510-00-220-6274	4- by 4-in:	
	10-in	8
	10 ¾-in	1
	33-in	2
	96-in	2
5530-00-128-4981	Plywood, ¾-in	
	3 ½- by 12 ¼-in	1
	3 ½- by 13 ½-in	9
	4- by 10-in	1
	8 ½- by 20-in	1
	13 ½- by 13 ½-in	3
	13 ½- by 21 ½-in	1
	36- by 96-in	1
1670-01-183-2678	Leaf, extraction line	2
	Line, extraction	
	60-ft (6-loop), type XXVI nylon webbing or	1
	60-ft (6-loop), type XXVI nylon webbing (for C-1390 aircraft)	1
	Link assembly:	
1670-00-006-2752	Four-point	2
	Two-point:	1
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(2)
5310-00-232-5165	Nut, 1-in	(2)
1670-00-003-1954	Plate, side, 5 ½-in	(2)
5365-00-007-3414	Spacer, large	(2)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	Load spreader for honeycomb stack 2:	
5510-00-220-6148	Lumber, 2-by 6-in:	
	5-in	1
	6-in	1
	8-in	2
	9-in	1
	24-in	11
5530-00-128-4981	Plywood, ¾- by 54- by 24-in	2
	Load spreader for honeycomb stack 3:	
5510-00-220-6146	Lumber, 2- by 4- by36-in	3
5530-00-128-4981	Plywood, ¾- by 36- by 12-in	2
	Load spreader for honeycomb stack 4:	
	Lumber:	
5510-00-220-6146	2- by 4- by 46-in	2
5510-00-220-6274	4- by 4- by 96-in	2
5530-00-128-4981	Plywood, ¾-in:	
	4- by 96-in	2
	48- by 96-in	2
	Load spreader for honeycomb stack 5:	
	Lumber:	
5510-00-220-6146	2- by 4-in:	4
	8-in	4
	12-in	
5510-00-220-6448	2- by 6-in:	
	12-in	4
	66-in	4
5530-00-128-4981	Plywood, ¾-in	
	4- by 12-in	2
	5 1/2- by 12-in	1
	33 ½- by 66-in	2
	Load spreader for honeycomb stack 6:	
5510-00-220-6146	2- by4- by 36-in	3
5530-00-128-4981	Plywood, ¾- by 36- by 14-in	5
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-010-4663	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	24 sheets
	8- by 96-in	(2)
	12- by 48-in	(6)
	12- by 88-in	(1)
	12- by 96-in	(6)
	15- by 50-in	(1)
	18- by 9-in	(2)
	18- by 88-in	(2)
	21- by 96-in	(1)
	24- by 24-in	(2)
	36- by 12-in	(9)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	36- by 24-in	(11)
	36- by 66-in	(5)
	36- by 88-in	(1)
	36- by 96-in	(6)
	54- by 24-in	(5)
	Parachute:	
1670-01-016-7841	Cargo, G-11C	6
	Cargo extraction:	
1670-00-262-1797	28-ft or	2
1670-00-040-8135	28-ft, heavy-duty	2
	Platform, airdrop, type V, 24-ft:	1
	Bracket:	
1670-01-162-2375	Inside EFTA	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis, load tiedown	(38)
1670-01-162-2376	Extraction bracket assembly	(1)
1670-01-247-2389	Suspension link	(4)
1670-01-162-2381	Tandem link	(2)
	Release, cargo parachute:	
1670-01-097-8817	M-2 (with modified components)	1
	Sling, cargo, airdrop:	
	For antitumble slings:	
1670-01-062-6302	20-ft (2-loop), type XXVI nylon webbing	2
	For deployment line:	
1670-00-432-2501	9-ft (4-loop), type XXVI nylon webbing or	1
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing	1
	For lifting:	
1670-00-062-6309	3-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6308	16-ft (4-loop), type XXVI nylon webbing	6
1670-00-432-2511	20-ft (4-loop), type XXVI nylon webbing or	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6311	For riser extensions: 120-ft (2-loop), type XXVI nylon webbing	6
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 6-1. Equipment Required for Rigging the M925A1 5-ton Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National StockNumber	*Item*	*Quantity*
	For suspension:	
1670-00-432-2499	3-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6306	3f-ft (4-loop), type XXVI nylon webbing	2
1670-00-432-2507	16-ft (4-loop), type XXVI nylon webbing	2
1670-00-003-7237	or	2
1670-01-062-6308	16-ft (4-loop), type XXVI nylon webbing	2
1670-00-003-1956	or	2
1670-00-432-2511	16-ft (4-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
1670-00-040-8219	or	
	20-ft (4-loop), type XXVI nylon webbing	2
	or	
	20-ft (4-loop), type XXVI nylon webbing	
	Strap, parachute release, multicult, comes	
5510-00-220-6248	W 3 knives	1
5510-00-220-6274	Suspension sling spreader:	
	Front, left:	1
	Lumber:	1
	2- by 10- by 60-in	
	4- by 4-in:	
5510-00-220-6248	29 ½-in	1
5510-00-220-6274	31-in	3
	Front, right:	
	Lumber:	
5510-00-220-6146	2- by 10- by 60-in	
	4- by 4- by 30 ¾-in	4
	Rear:	2
5510-00-220-6448	Lumber:	2
5510-00-220-6274	2- by 4-in:	2
8125-00-074-5124	24-in	As required
1670-00-937-0271	105-in	58
	2- by 6- by 24-in	
	4- by 4- by 24-in	
	Tape, adhesive, cloth-backed, type IV, 2-in	
No NSN	Tiedown assembly, 15-ft	2
No NSN		2
No NSN	Tiedown provision	4
	Front, special:	
No NSN	Steel, 1040, 1-in thick	2
No NSN	Cargo tiedown, (MS 21237)	2
	Bolt (MS 90726-112)	
8305-00-268-2411	Rear, special:	As required
	Steel, 1040, 1-in thick	
	Cargo tiedown (MS 21237)	
8305-00-082-5752	Webbing:	As required
8305-00-268-2453	Cotton, ¼-inch, type I	As required
8305-00-261-8584	Nylon:	As required
	Tubular:	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter
	½-in or	
	½-in	

Chapter 7

Rigging M929, 5-Ton Dump Truck on a Type V Platform

DESCRIPTION OF LOAD

7-1. The M929, 5-ton dump truck is rigged on a 28-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M929 truck weights 24,250 pounds. Its height is 120 ½ inches, reducible to 92 ½ inches. The width of the truck is 95 inches. The length of the truck is 273 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft. Figure 7-1 shows the unrigged M929 truck equipped with a bumper extension and a cab cover. The truck you rigging may vary slightly from the one shown, depending on the make and model. Adapt these procedures as necessary to rig your truck.

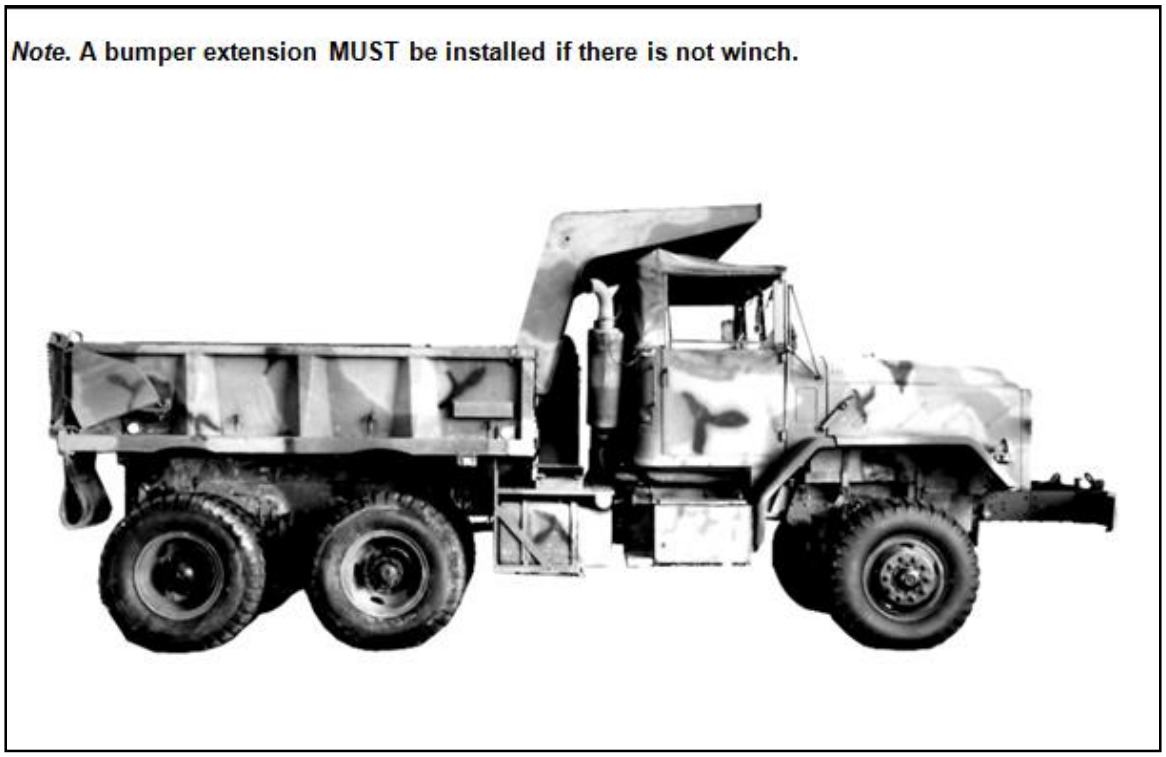


Figure 7-1. Right Side of Unrigged M929, 5-Ton Dump Truck

PREPARING PLATFORM

7-2. Prepare a 28-foot, type V airdrop platform as described below.

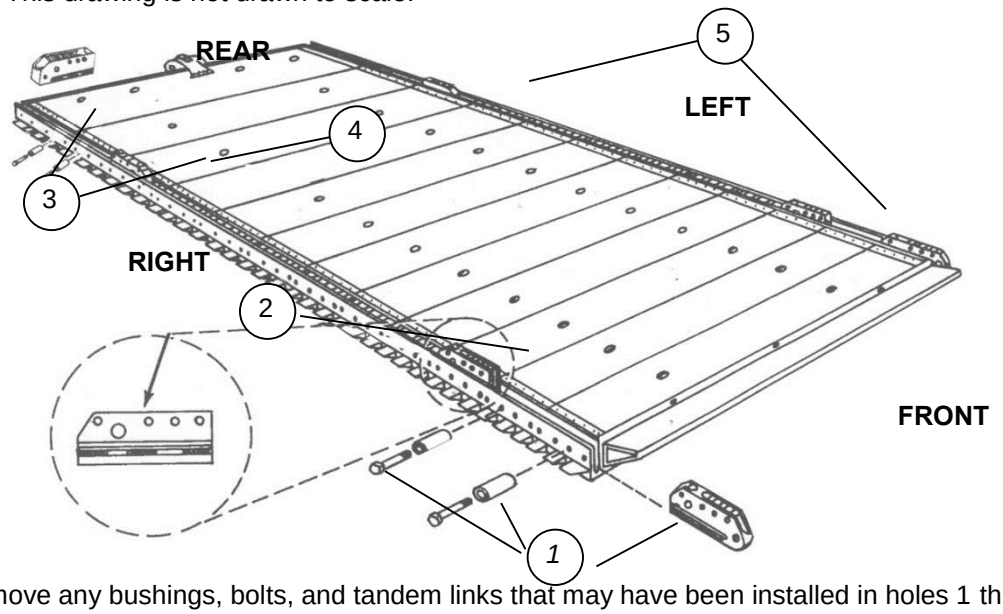
- Inspecting PlatformInspect, or assemble and inspect, the platform according to TM 10-1670-268-20 & P/TO 13C7-52-22.

Note. If the platform must be assembled, install the suspension links when assembling the platformSee Figure 7-2 for the location of the suspension links.

- Installing suspension linksInstall the suspension links as described in Figure 7-2.
- Installing tandem linksInstall a tandem link on the front of each rail as shown in Figure 7-3.
- Attaching and numbering clevisesAttach and number 46 clevises as shown in Figure 7-3.
- Labeling and Numbering tiedownLabel and number the tiedown rings as shown in Figure 7-3.

Note. 1.The nose bumper may or may not be installed.
2. Measurements given in this section are from the front edge of the platform, NOT from the front edge of the nose bumper.

Note. 1. This drawing is not drawn to scale.



① Remove any bushings, bolts, and tandem links that may have been installed in holes 1 through 11 on the right rail.

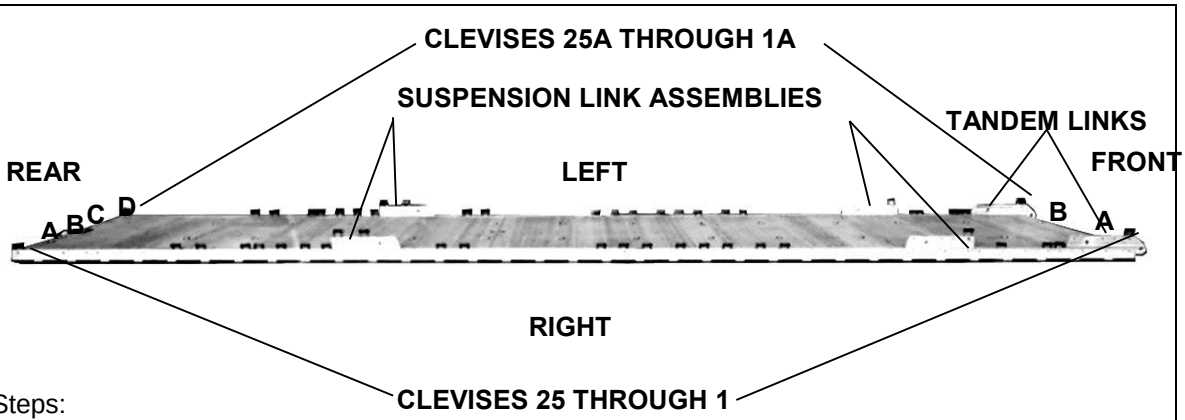
② Place a suspension link in the front of the right rail with the flat portion to the front of the rail. Slide the link along the rail until the hole in the link align with rail holes 9, 10, and 11. Bolt the link in place with the bushing bolts.

③ Remove any bushings, bolts, and tandem links that may have been installed in holes 38 through 56 on the right rail.

④ Place a suspension link on the rear of the right rail with the flat portion to rear of the rail. Slide the link along the rail until the holes in the link align with rail holes 38, 39, and 40. Bolt the link in place with the bushing bolts.

⑤ Install two suspension links on the left rail, adapting the procedures in steps 1 through 4 above.

Figure 7-2. Suspension Links Installed



Steps:

5. Install a tandem link on the front of each platform side rail using holes 1, 2, and 3.
6. Install a clevis on bushings 1 of each front tandem link.
7. Install a clevis on bushings 1 on each front suspension link.
8. Install a clevis on bushings 2 and 4 on each rear suspension link.
9. Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 4, 5, 7, 18, 19, 21, 22, 23, 25, 26, 27, 34, 35, 41, 42, 43, 44, 45, 47, 48, and 56.
10. Start at the front of the platform, number the clevises bolted to the right side from 1 through 25 and those bolted to the left side from 1A through 25A.
11. Label the two rows of tiedown rings in the first 11 panels A and B from right to left. Label the two rows of tiedown rings in the last panel A, B, C, and D from right to left. Starting at the front of the platform, number the rows of tiedown rings 1 through 14.

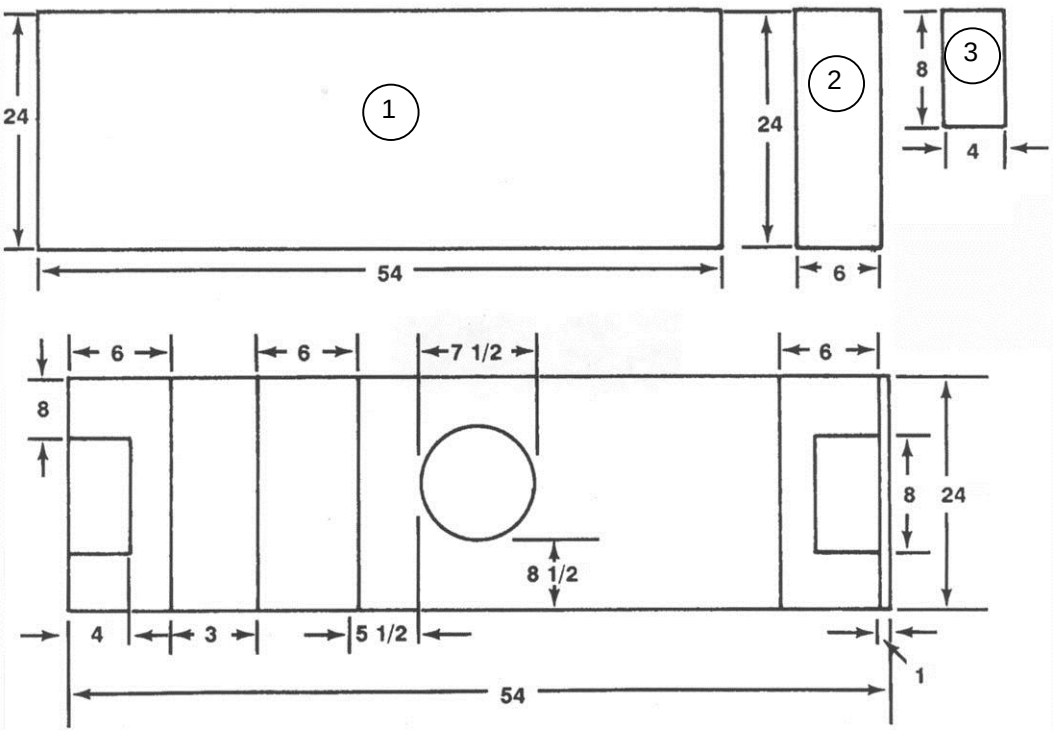
Figure 7-3. Platform Prepared

BUILDING AND POSITIONING HONEYCOMB

7-3. Build and position the honeycomb stacks as described below.

- Build the load spreaders for the honeycomb stacks as described in Figures 7-4 through 7-11.
- Build the honeycomb stacks as shown in Figure 7-12 through 7-17. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform.
- Position the honeycomb stacks on the platform as shown in Figure 7-18 through 7-20.

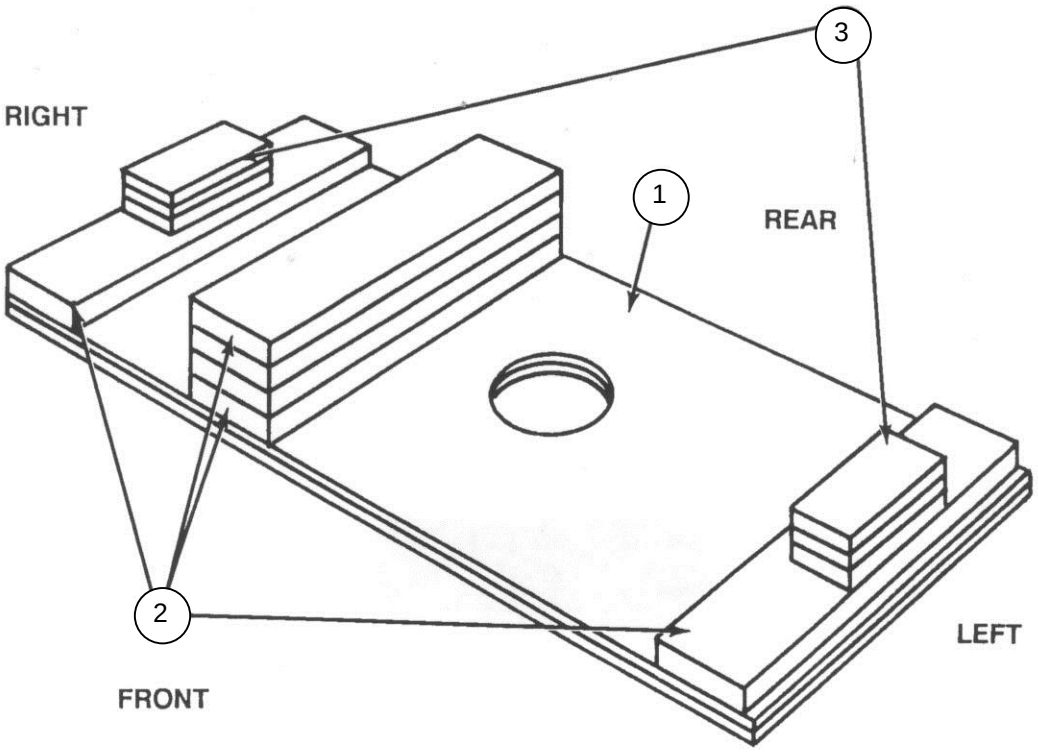
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.
3. All dimensions are given in inches.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	54	24	¾-inch plywood
2	6	5 ½ (actual)	24	2- by 6-inch lumber
3	6	5 ½ (actual)	8	2- by 4-inch lumber

Figure 7-4. Material Required for Load Spreader for Honeycomb Stack 2

Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers in Figure 7-4.

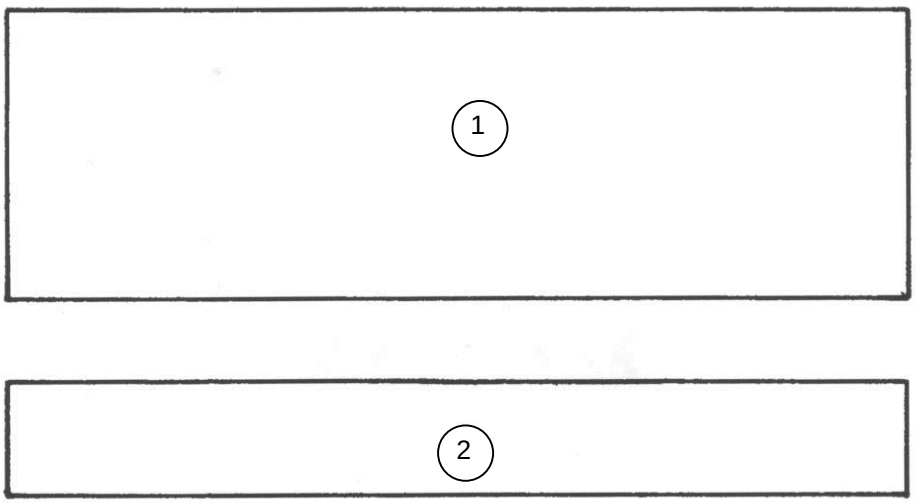


Steps:

12. Construct the load spreader for honeycomb stack 2 as shown.
13. Secure the plywood and lumber in place as shown with sixteen penny nails.

Figure 7-5. Load Spreader for Honeycomb Stack 2 Constructed

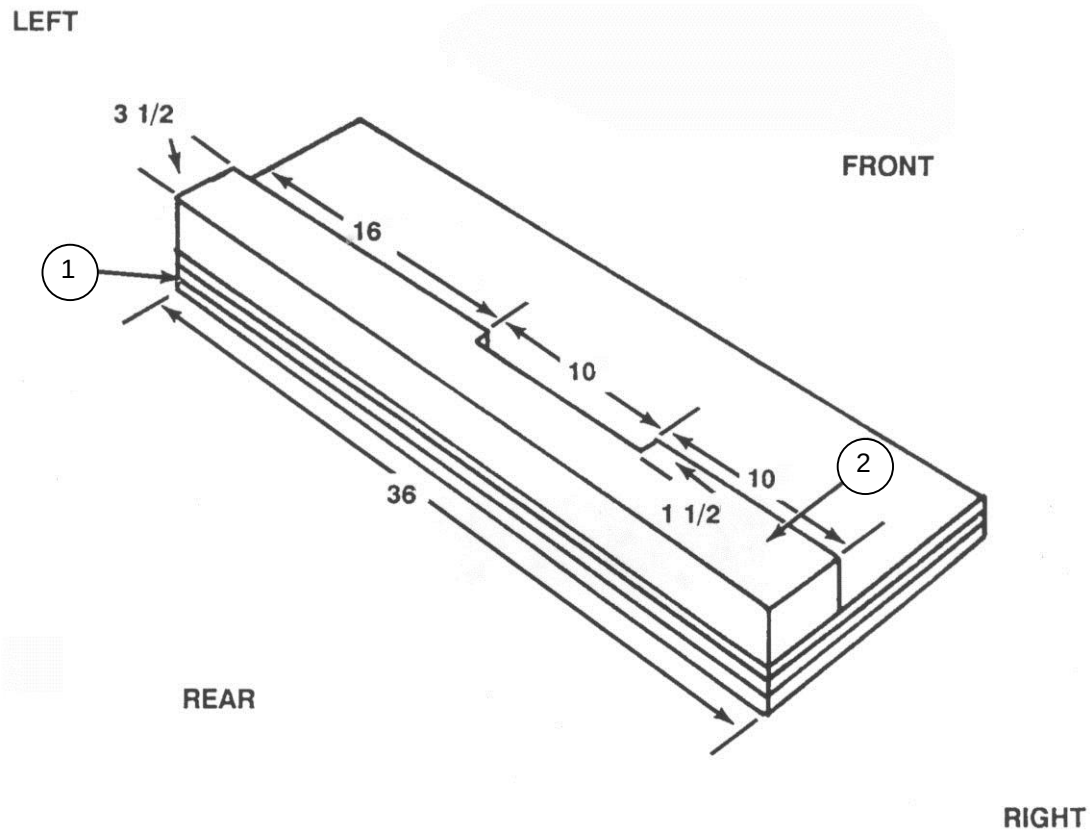
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	3	36	12	¾-inch plywood
2	1	36	3 ½ (actual)	2- by 4-inch lumber

Figure 7-6. Material Required for Load Spreader for Honeycomb Stack 3

Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers in Figure 7-6.
3. All dimensions are given in inches.

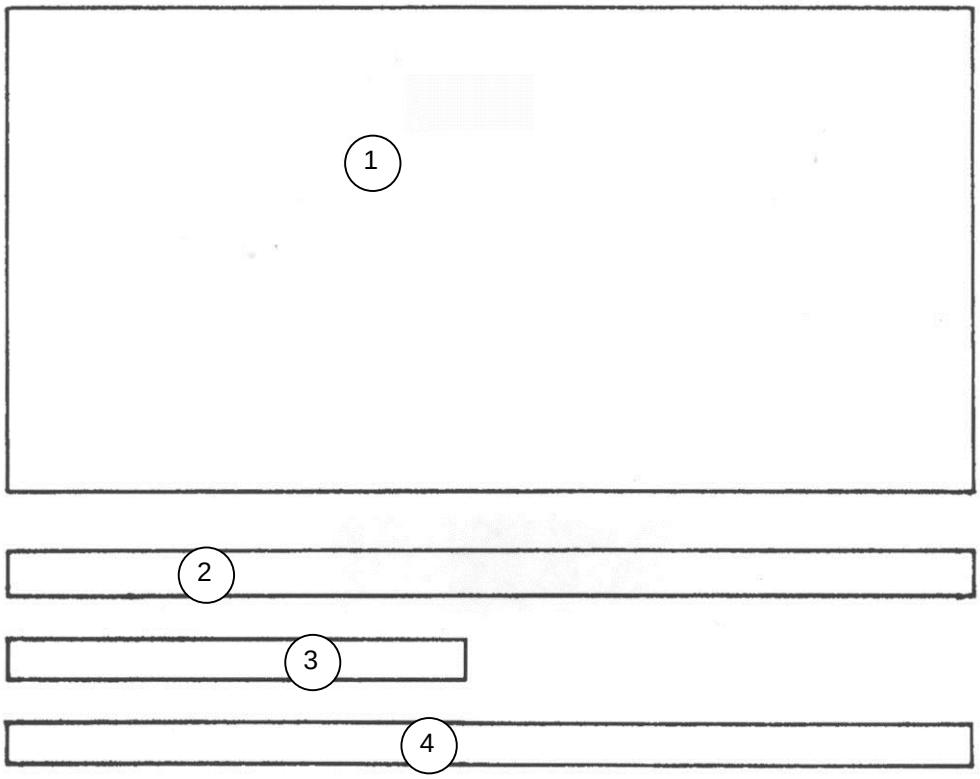


Steps:

14. Construct the load spreader for honeycomb stack 3 as shown.
15. Secure the plywood and lumber in place as shown with eight penny nails.

Figure 7-7. Load Spreader for Honeycomb Stack 3 Constructed

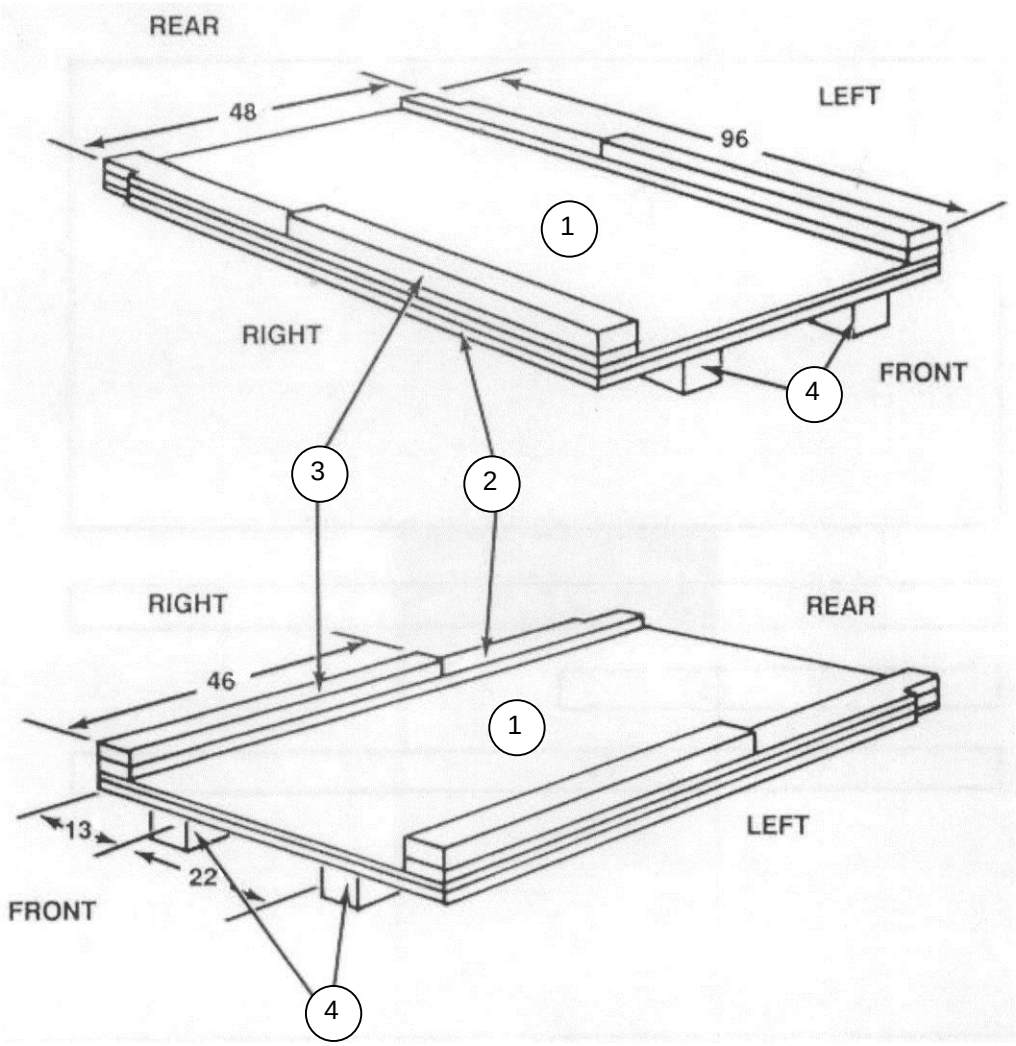
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	48	96	¾-inch plywood
2	2	4	96	¾-inch plywood
3	2	3 ½ (actual)	46	2- by 4-inch lumber
4	2	3 ½ (actual)	96	4- by 4-inch lumber

Figure 7-8. Material Required for Load Spreader for Honeycomb Stack 4

Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers in Figure 7-8.
3. All dimensions are given in inches.

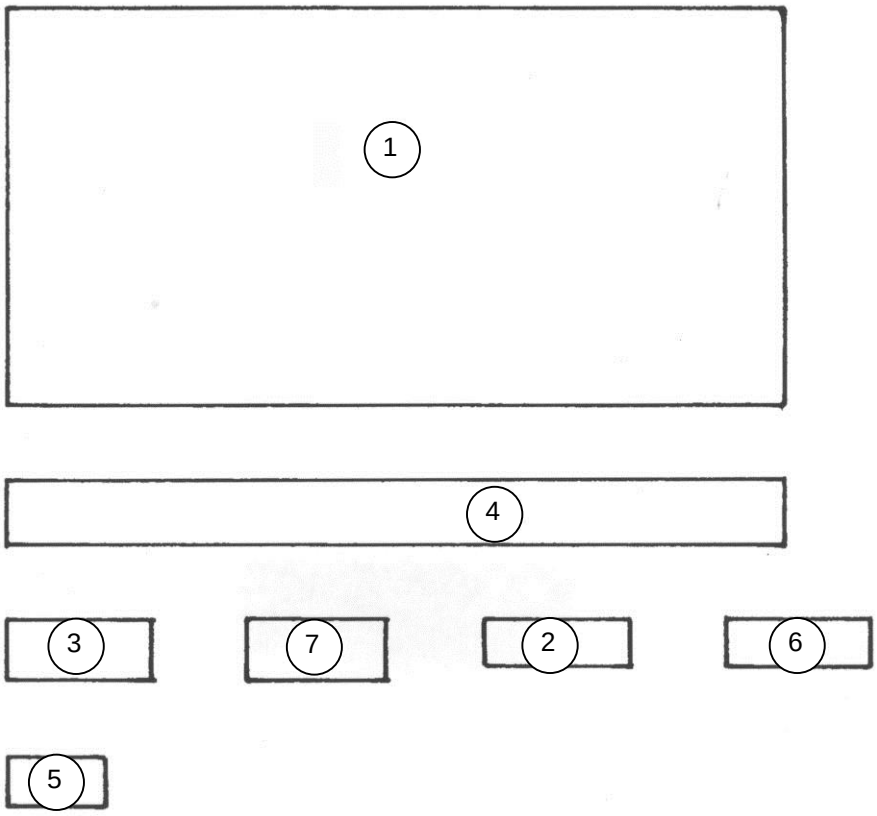


Steps:

16. Construct the load spreader for honeycomb stack 4 as shown.
17. Secure the plywood and lumber in place as shown with eight penny nails.

Figure 7-9. Load Spreader for Honeycomb Stack 4 Constructed

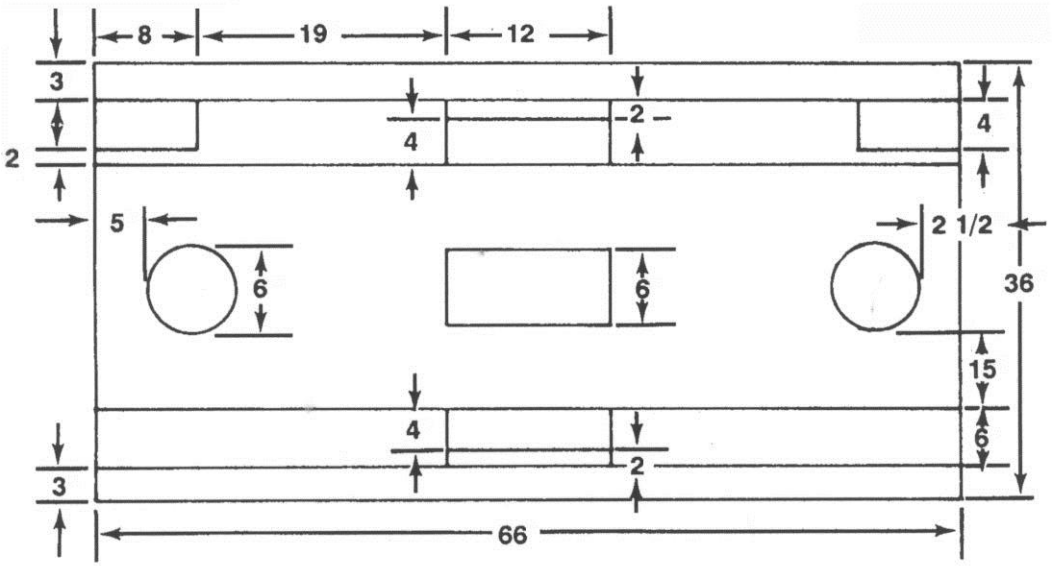
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.

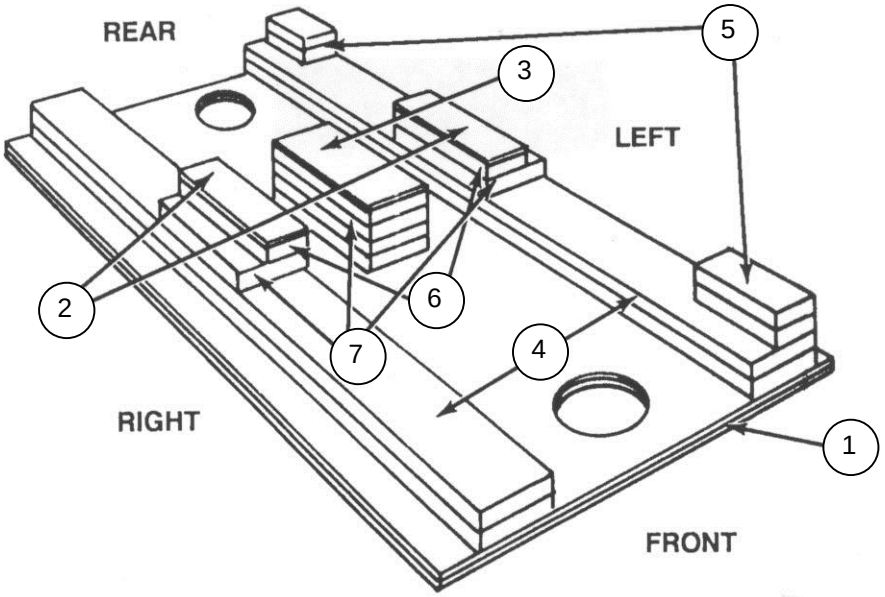


Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	36	66	¾-inch plywood
2	2	4	12	¾-inch plywood
3	1	6	12	¾-inch plywood
4	4	5 ½ (actual)	66	2- by 6-inch lumber
5	4	5 ½ (actual)	8	2- by 6-inch lumber
6	2	3 ½ (actual)	12	2- by 4-inch lumber
7	6	6	12	2- by 4-inch lumber

Figure 7-10. Material Required for Load Spreader for Honeycomb Stack 5

Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers in Figure 7-10
3. All dimensions are given in inches.



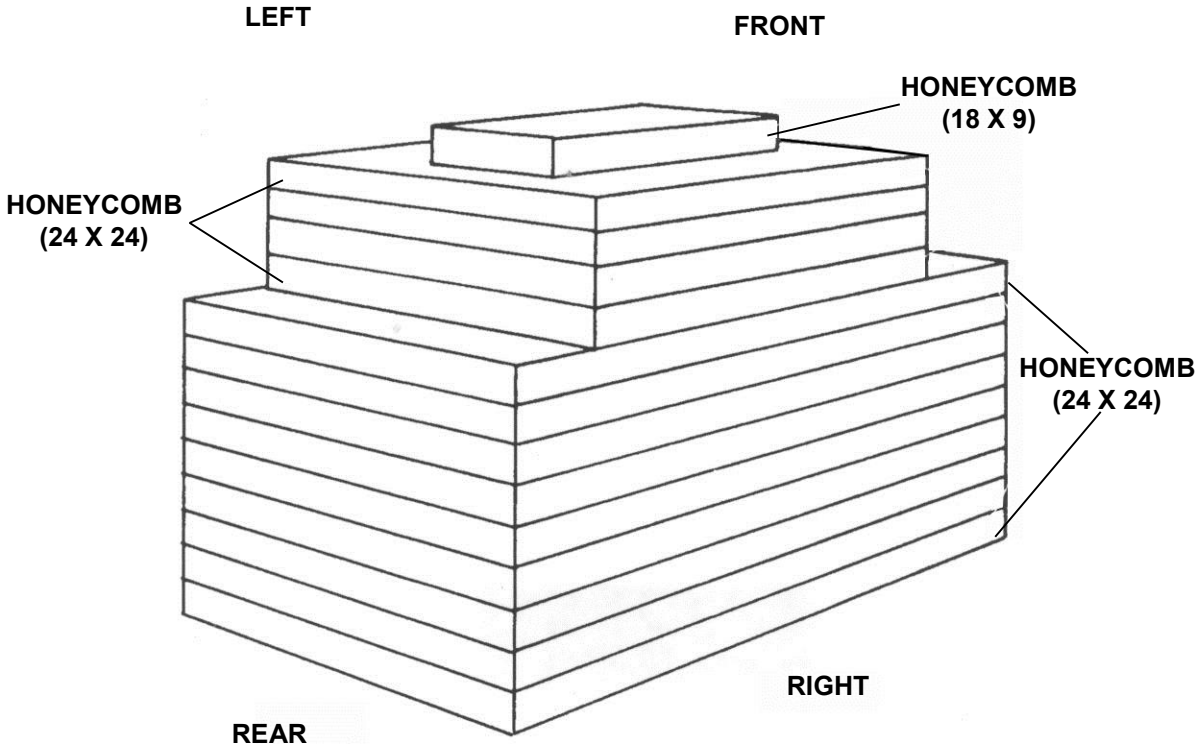


Steps:

18. Construct the load spreader for honeycomb stack 5 as shown.
19. Secure the plywood and lumber in place as shown with eight penny nails.

Figure 7-11. Load Spreader for Honeycomb Stack 5 Constructed

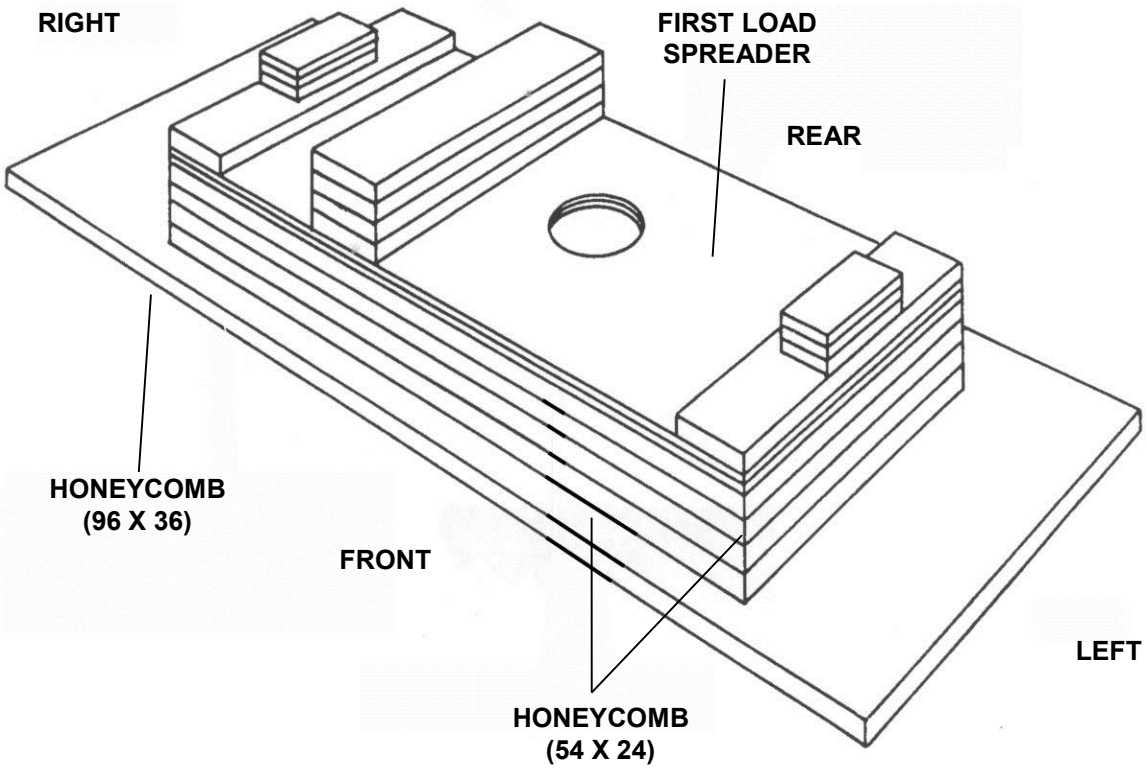
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	9	36	24	Honeycomb	Place honeycomb as the base.
	4	24	24	Honeycomb	Center honeycomb on top of the base.
	1	18	9	Honeycomb	Center honeycomb on top of 24- by24-inch honeycomb.

Figure 7-12. Honeycomb Stack 1 Prepared

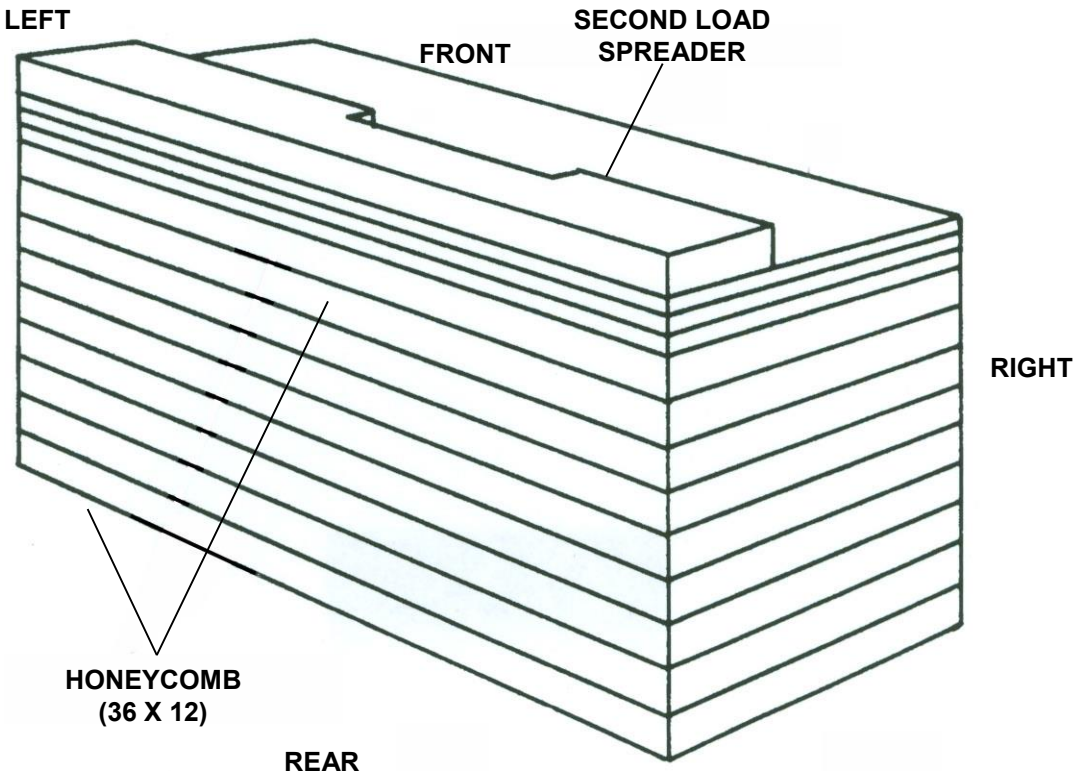
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
2	1	96	36	Honeycomb	Place honeycomb as the base.
	4	54	24	Honeycomb	Center honeycomb on top of the base.
				Load Spreader	Place load spreader on top of the 54- by 24-inch honeycomb.

Figure 7-13. Honeycomb Stack 2 Prepared

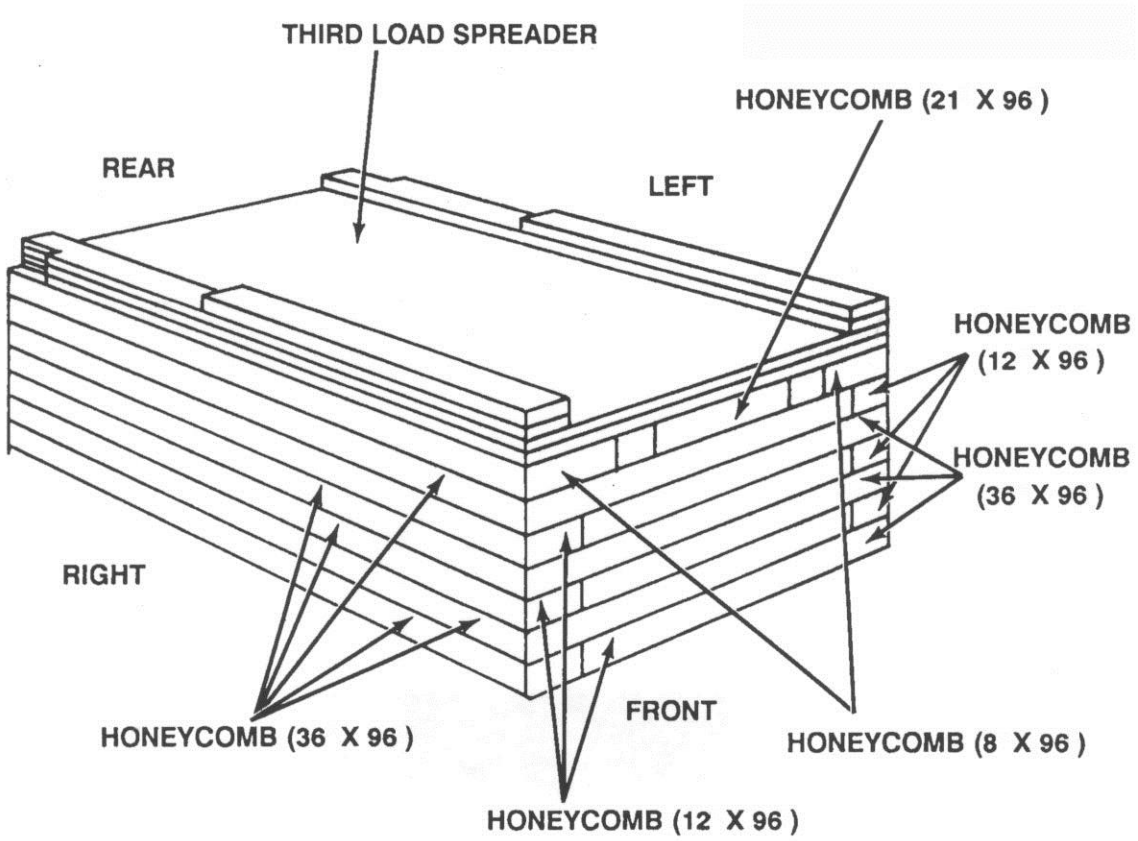
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3	9	36	12	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base

Figure 7-14. Honeycomb Stack 3 Prepared

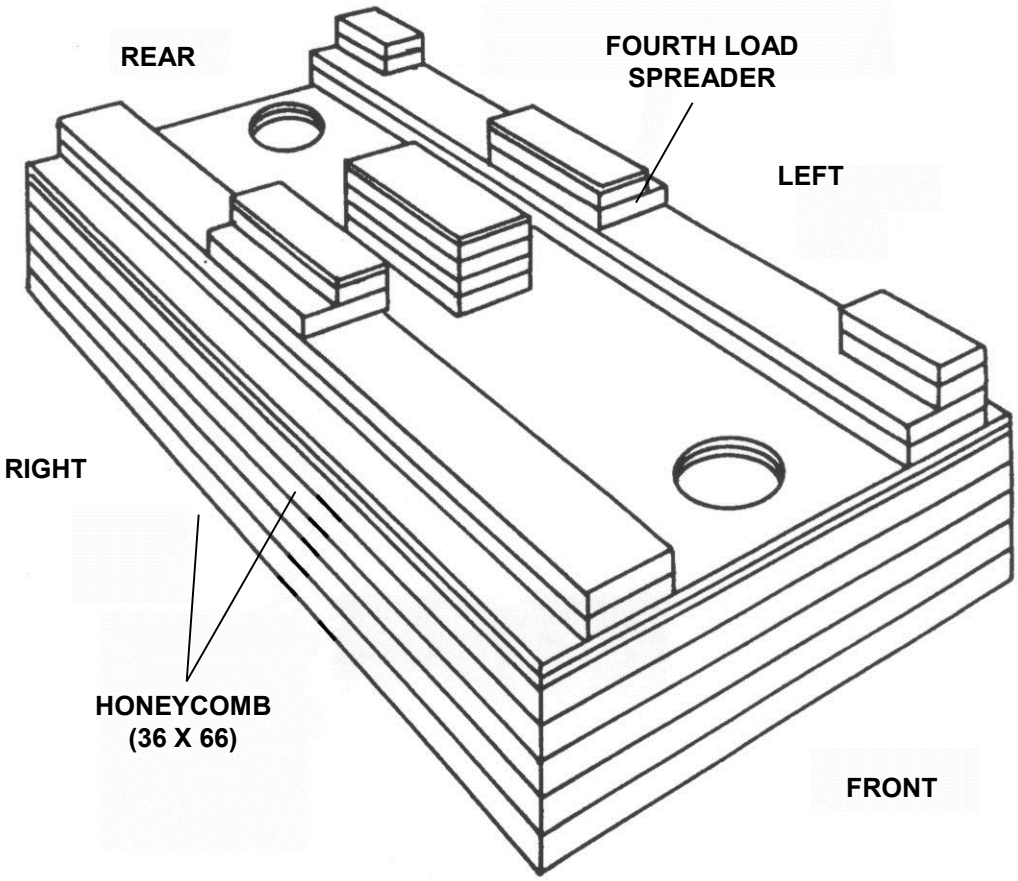
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
4	6 6	36 12	96 96	Honeycomb Honeycomb	Form a 48- by 96-inch base using the 36- by 96-inch and 12- by 96-inch pieces of honeycomb. Alternate layers.
	1	21	96	Honeycomb	Center honeycomb on top of the base.
	2	8	96	Honeycomb	Place one piece of honeycomb on each side of the base even with the 96-inch edge.
				Load Spreader	Place load spreader on top of the base

Figure 7-15. Honeycomb Stack 4 Prepared

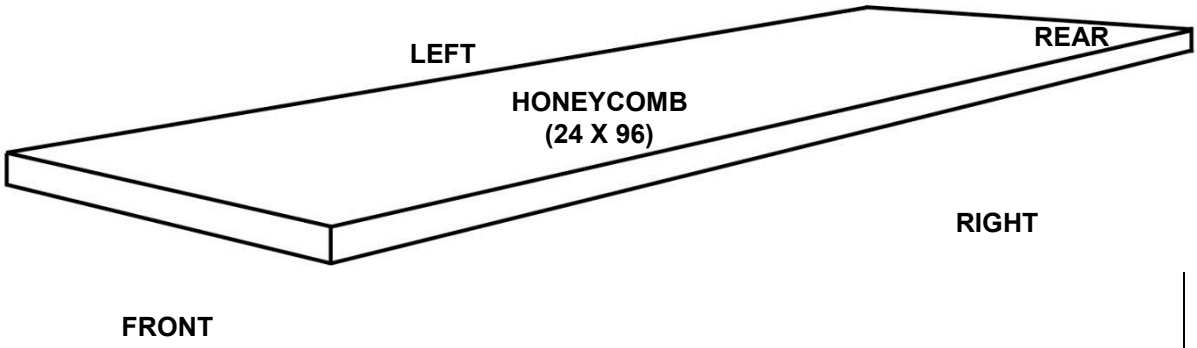
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
5	5	36 5	66	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base

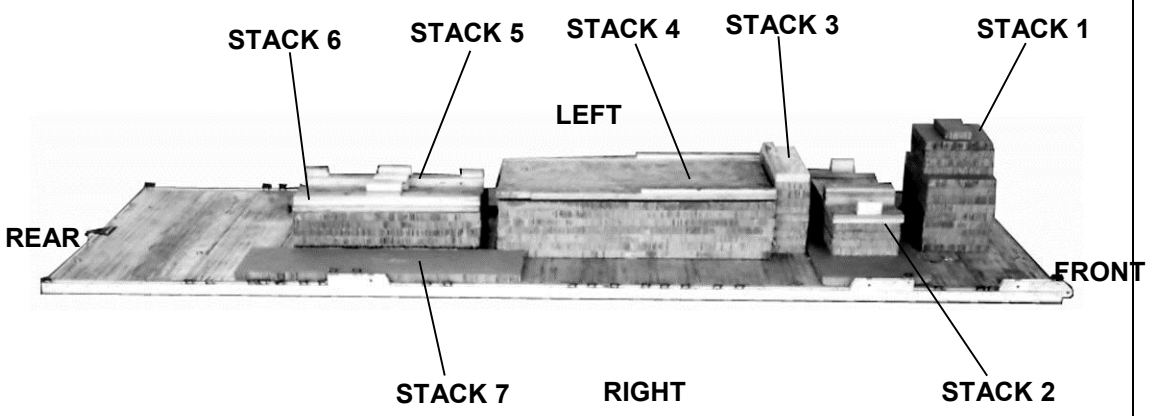
Figure 7-16. Honeycomb Stack 5 Prepared

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
6	1	24	96	Honeycomb	Form stack
7	1	24	96	Honeycomb	Form stack

Figure 7-17. Honeycomb Stacks 6 and 7 Prepared



Stack Number	Position of Stack on Platform
	Place stack:
1	Centered 13 inches from the front edge of the platform.
2	Centered 4 inches from the rear of stack 1, 2 ½ inches from inside right rail.
3	Centered flush against the rear of stack 2.
4	Centered flush with rear of stack 3.
5	Centered 6 inches from the rear of stack 4.
6	63 ½ inches from the rear of the platform and 2 inches from the left side of the platform.
7	63 ½ inches from the rear of the platform and 2 inches from the right side of the platform.

Figure 7-18. Honeycomb Stacks Positioned on Platform

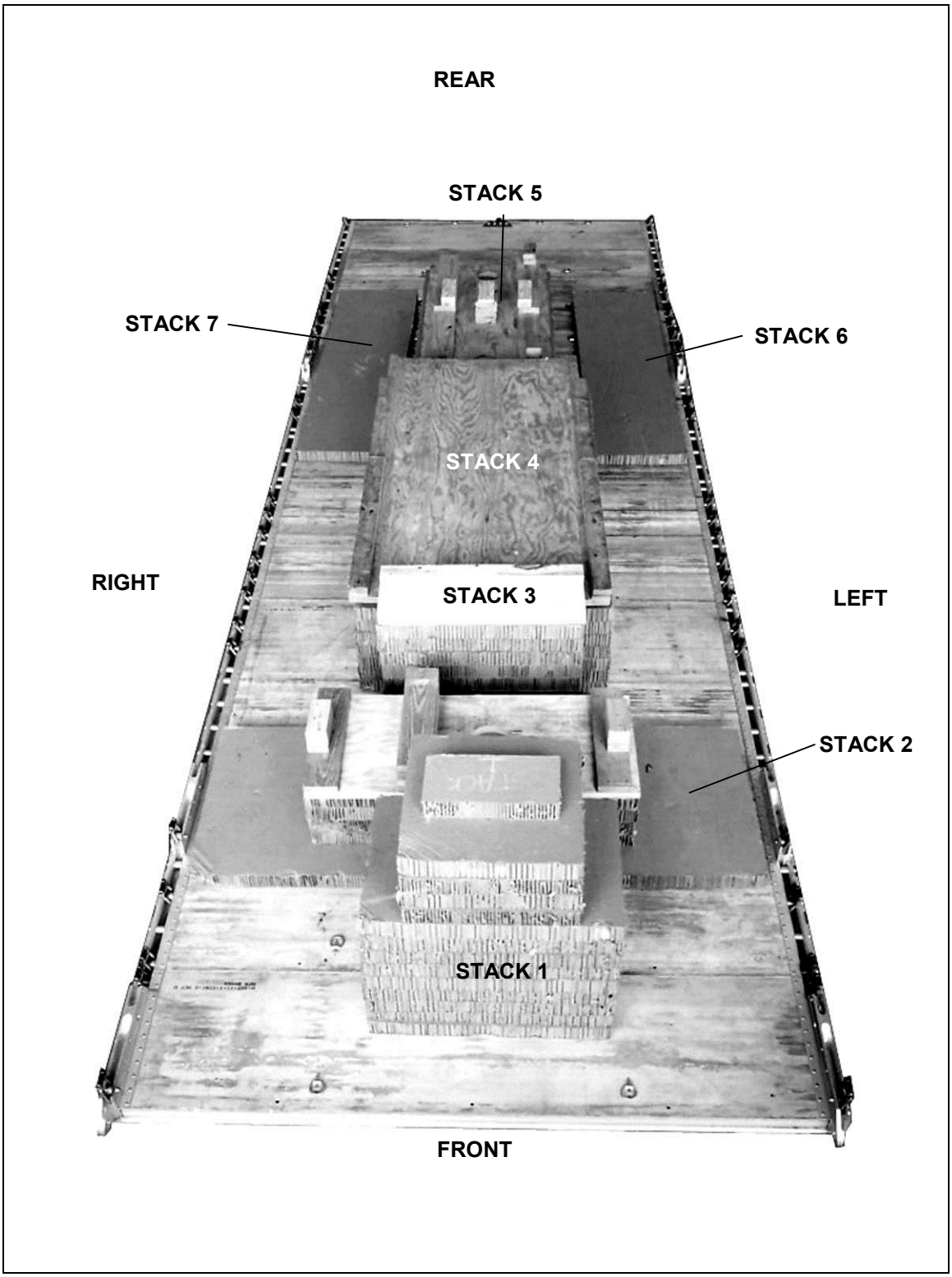


Figure 7-19. Front View of Honeycomb Stacks Positioned on Platform

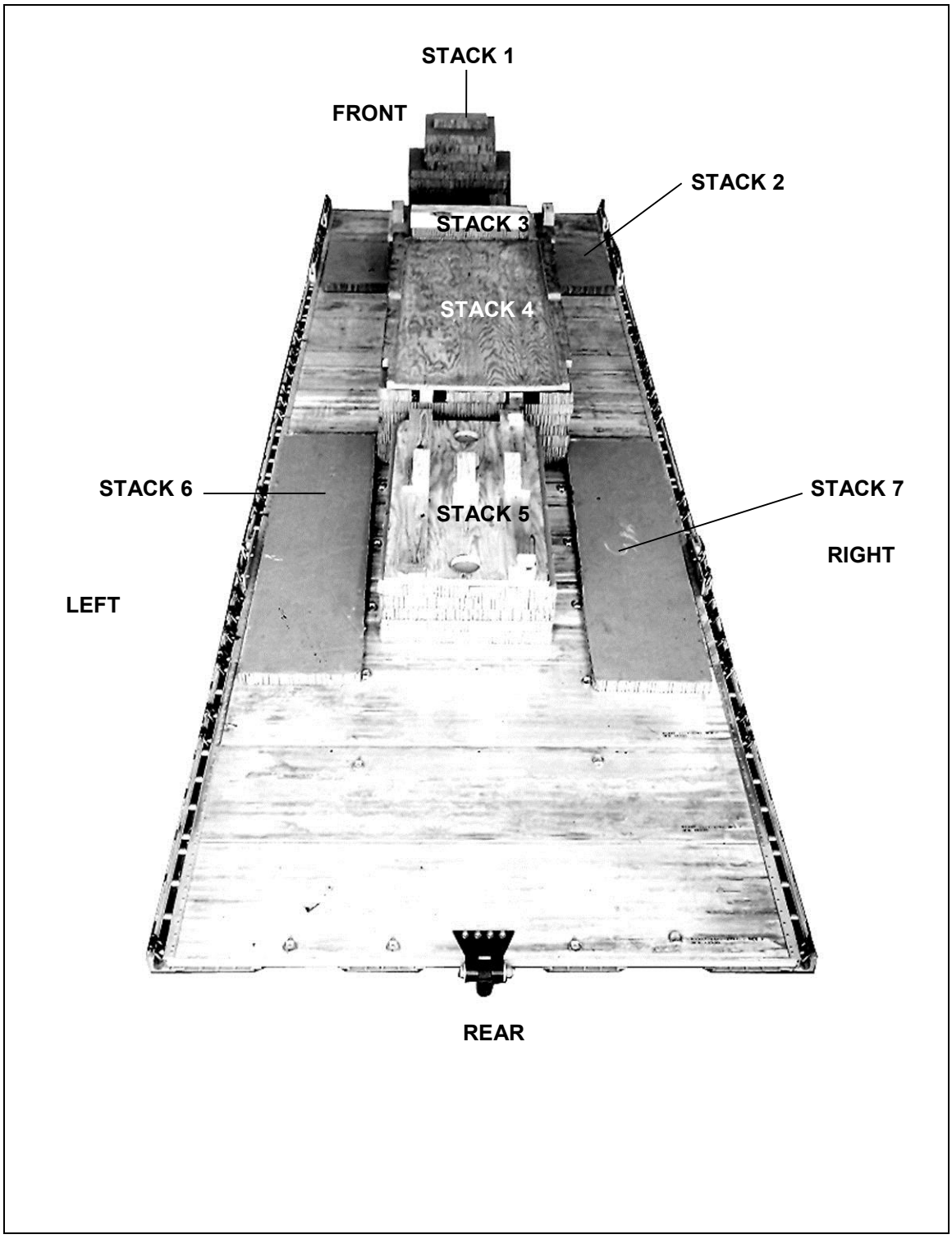


Figure 7-20. Rear View of Honeycomb Stacks Positioned on Platform

REMOVING TRUCK COMPONENTS

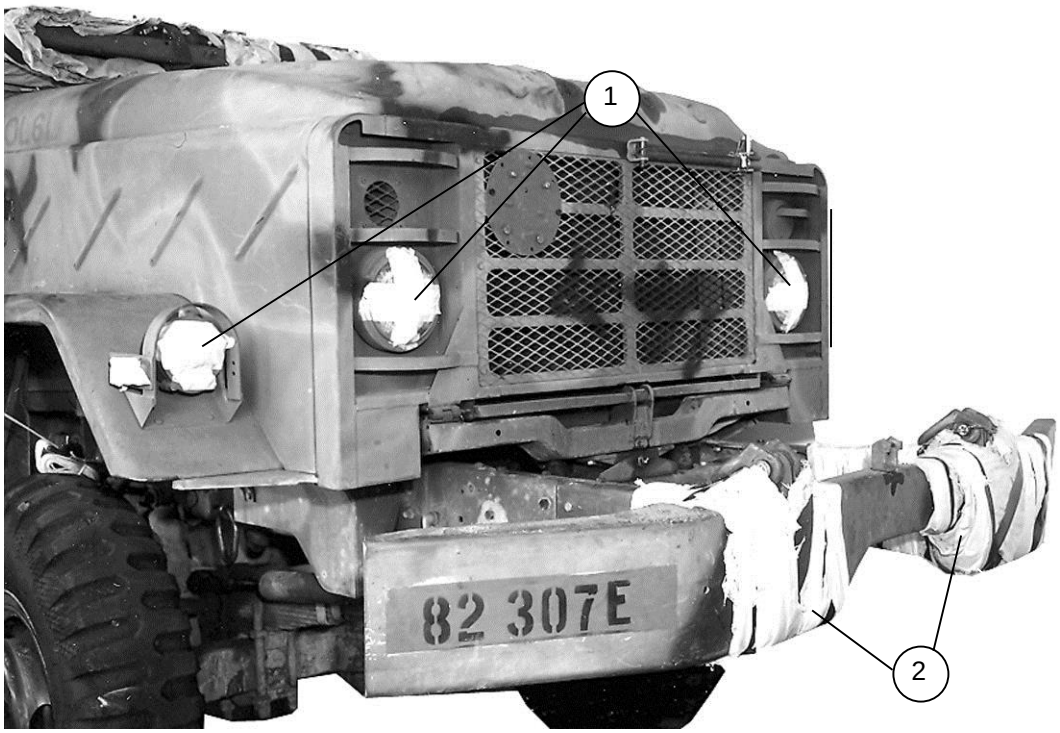
7-4. Remove the cab cover, cab shield, cargo body cover, mirror assemblies, and exhaust stack assemblies according to TM 9-2320-272-10.

Preparing Truck:

7-5. Prepare the truck as shown in Figure 7-21 and as described below.

- Reduce the tire pressure in all tires to 28 pounds per square inch.
- Make sure the fuel tank is not more than ½ full.

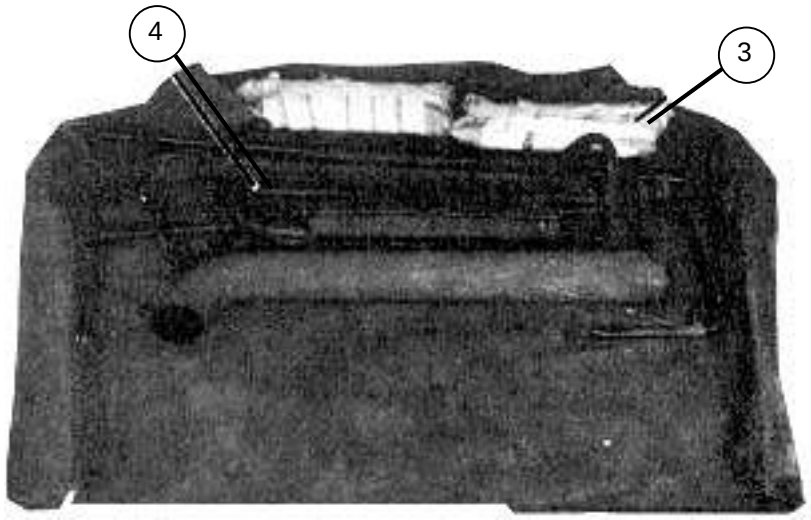
Note. The cab shield will not be dropped with this load.



① Tape the headlights and turn signals.

② Pad and tape the bumper with cellulose wadding.

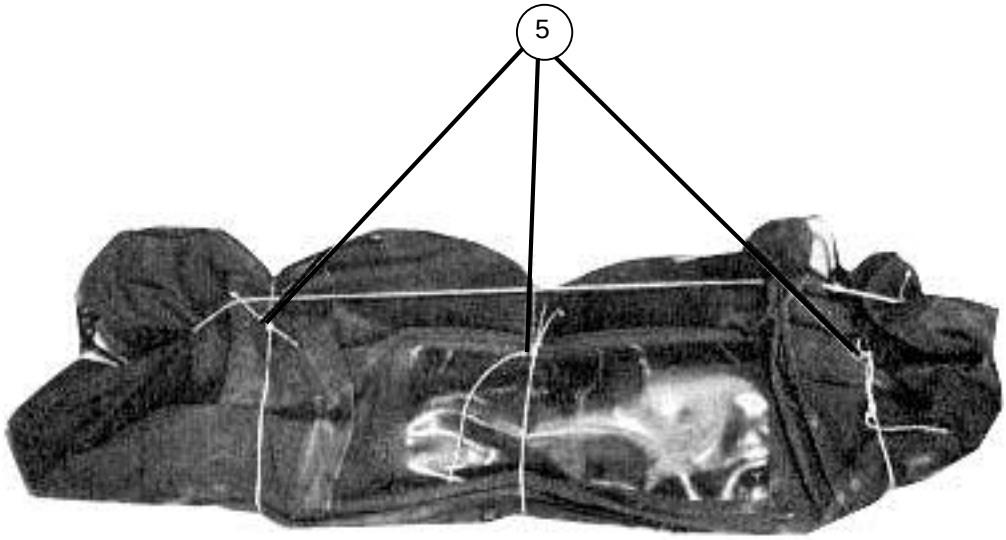
Figure 7-21. Truck Prepared



③ Wrap small pieces of equipment in cellulose wadding. Tape the wadding in place. Place the wrapped items on the soft cab cover of the cargo cover.

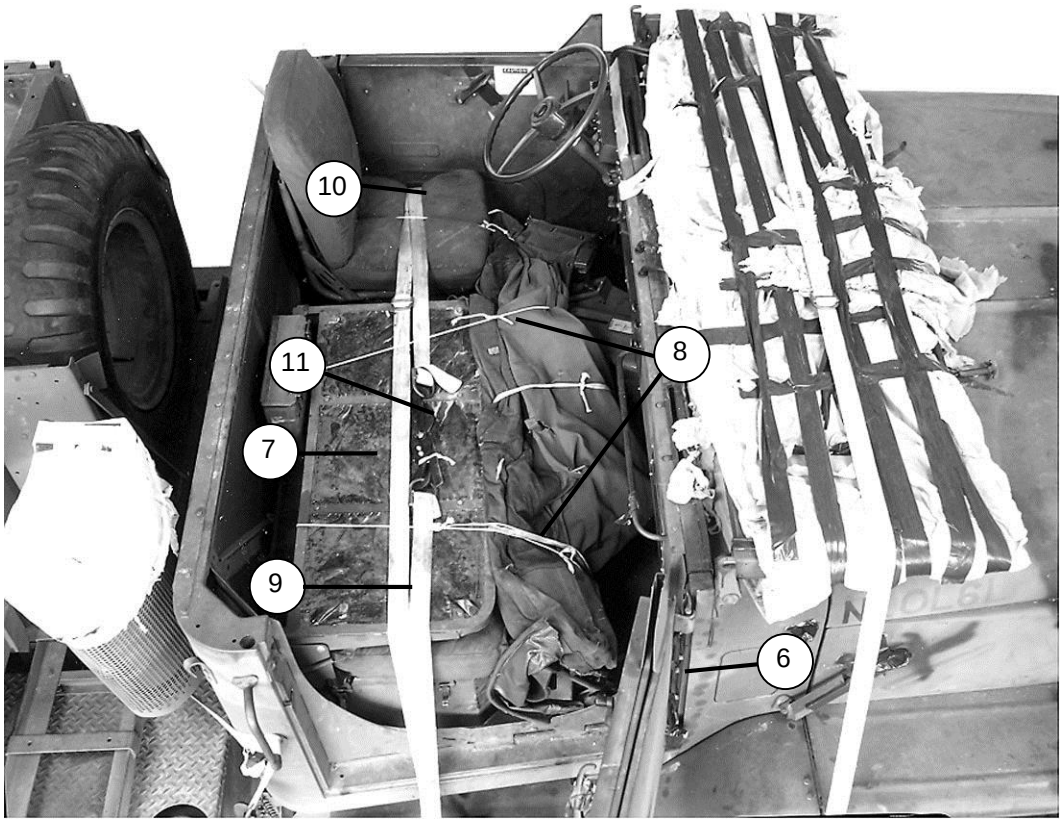
④ Place the side mirrors, soft cab cover, and the exhaust stack on the cover. Pad the sharp edges with cellulose wadding, and tape the wadding in place.

Note. Other small components may also be placed on the cover.



⑤ Wrap the cover over the items placed on it. Tie the cover in place with type III nylon cord.

Figure 7-21. Truck Prepared (continued)



⑥ Open the truck doors.

⑦ Fold the back of the passenger seat down.

⑧ Place the wrapped equipment on the driver floor compartment and secure it in two places with type III nylon cord.

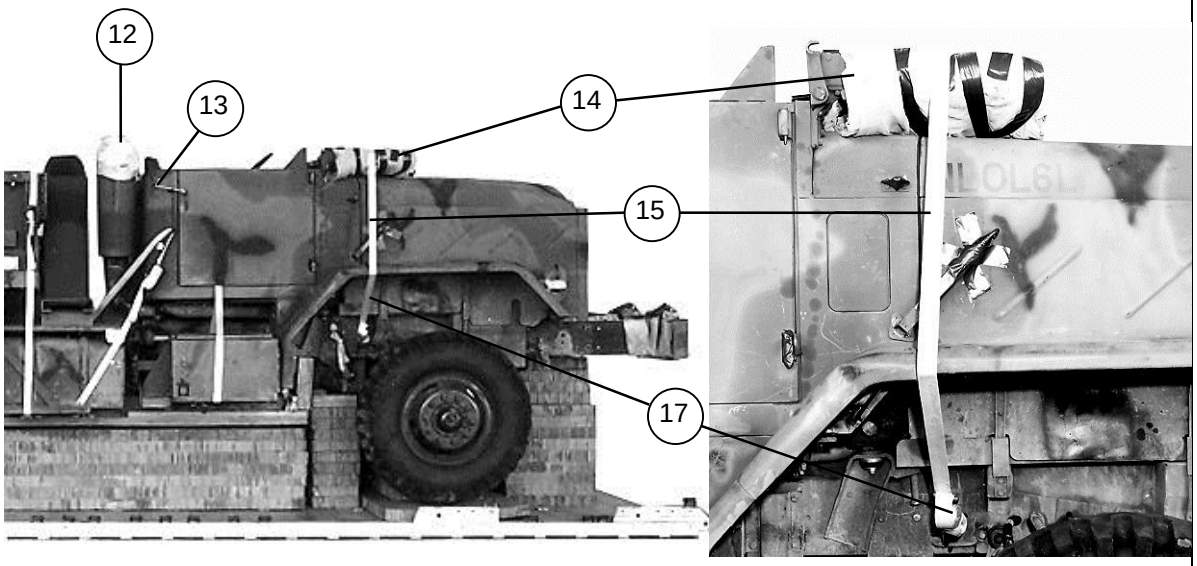
⑨ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the 30-foot tiedown strap across the front seat. Pass one end of the strap out of the right door, around the operator vehicle maintenance tool box, back in the right door, and up across the front seat.

⑩ Pass the other end of the 30-foot tiedown strap out of the left door, around the air cleaner, back in the left door, and up across the front seat.

Note. Pad the door frames with cellulose wadding where the strap touches.

⑪ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 7-21. Truck Prepared (continued)



⑫ Cover the exhaust with cellulose wadding and tape the wadding in place.

⑬ Close the doors and safety them with type III nylon cord.

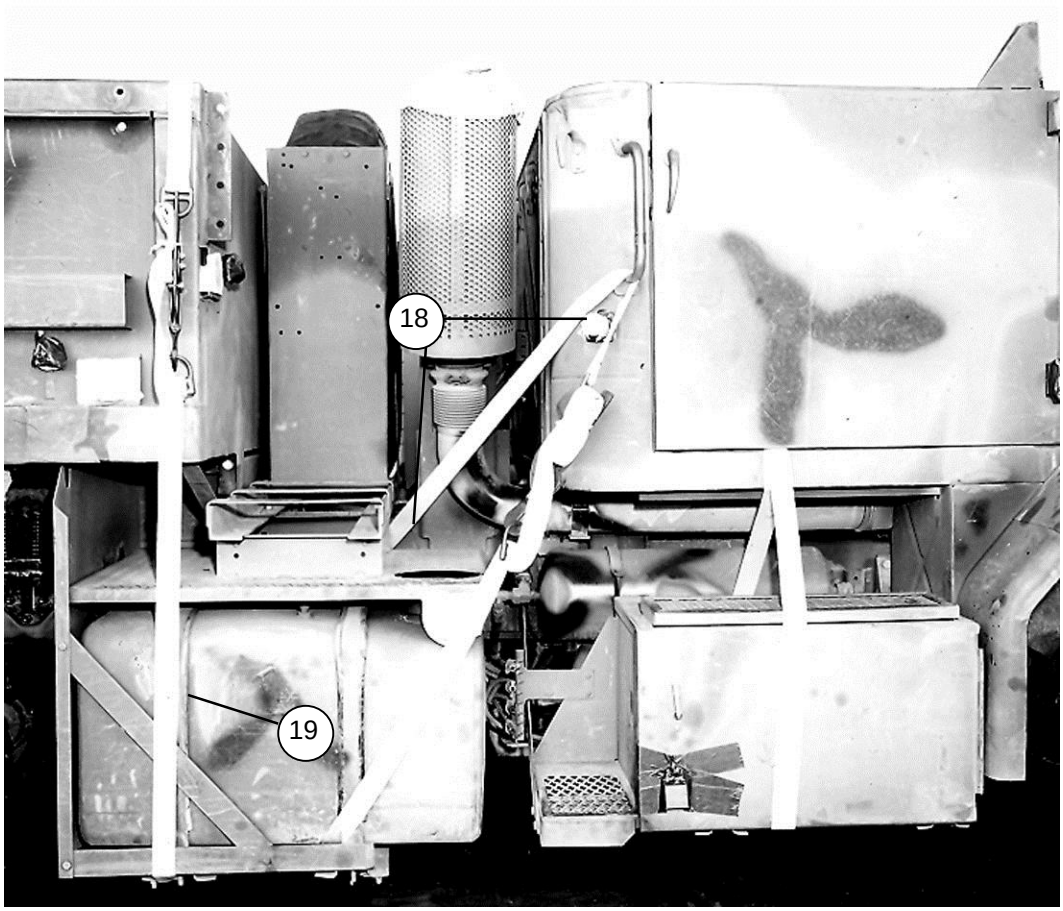
⑭ Fold the windshield down. Pad the windshield with cellulose wadding and tape the wadding in place.

⑮ Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Lay the strap across the windshield. Pass one end of the strap over the right side of the truck to the tiedown provision.

⑯ Pass the other end of the 30-foot tiedown strap over the left side of the truck to the tiedown provision (not shown).

⑰ Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 7-21. Truck Prepared (continued)



⑱ Pass the end of a 15-foot tiedown strap through the right hand-held handle, through the right front fuel tank hangers and under the fuel tank. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑲ Pass the end of a 15-foot tiedown strap over the first right side rack socket and around the rear fuel tank hanger. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑳ Repeat the procedures in steps 18 and 19 above for the left side of the truck.

Figure 7-21. Truck Prepared (continued)



① Construct the components of a cab support bar using a 7/16- by 1 ½- by 7 1/8-inch piece of steel, a ¾- by 34-inch piece of steel, and a 7/16- by 34-inch piece of steel.

Note. The 34-inch piece of steel must be 1 3/16-inch thick. A single piece or a combination of pieces may be used to get the correct thickness. The unit will supply this item.

② Weld the pieces of steel together as shown.

Note. The bar must be positioned from the right side of the truck.

③ Slide the bar in place with the 7 1/8-inch piece of steel up and with one end of the bar over each mainframe rail and the bar under the transfer link assembly support. The 7 1/8-inch metal plate must be closest to the left side of the truck.

④ Tie each of the bar securely in place with several turns of ½-inch tubular nylon webbing.

Figure 7-21. Truck Prepared (continued)

BUILDING FRAME SUPPORT

7-6. Use the material in Figure 7-22 to build the frame supportBuild the frame support as shown in Figure 7-23

Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.

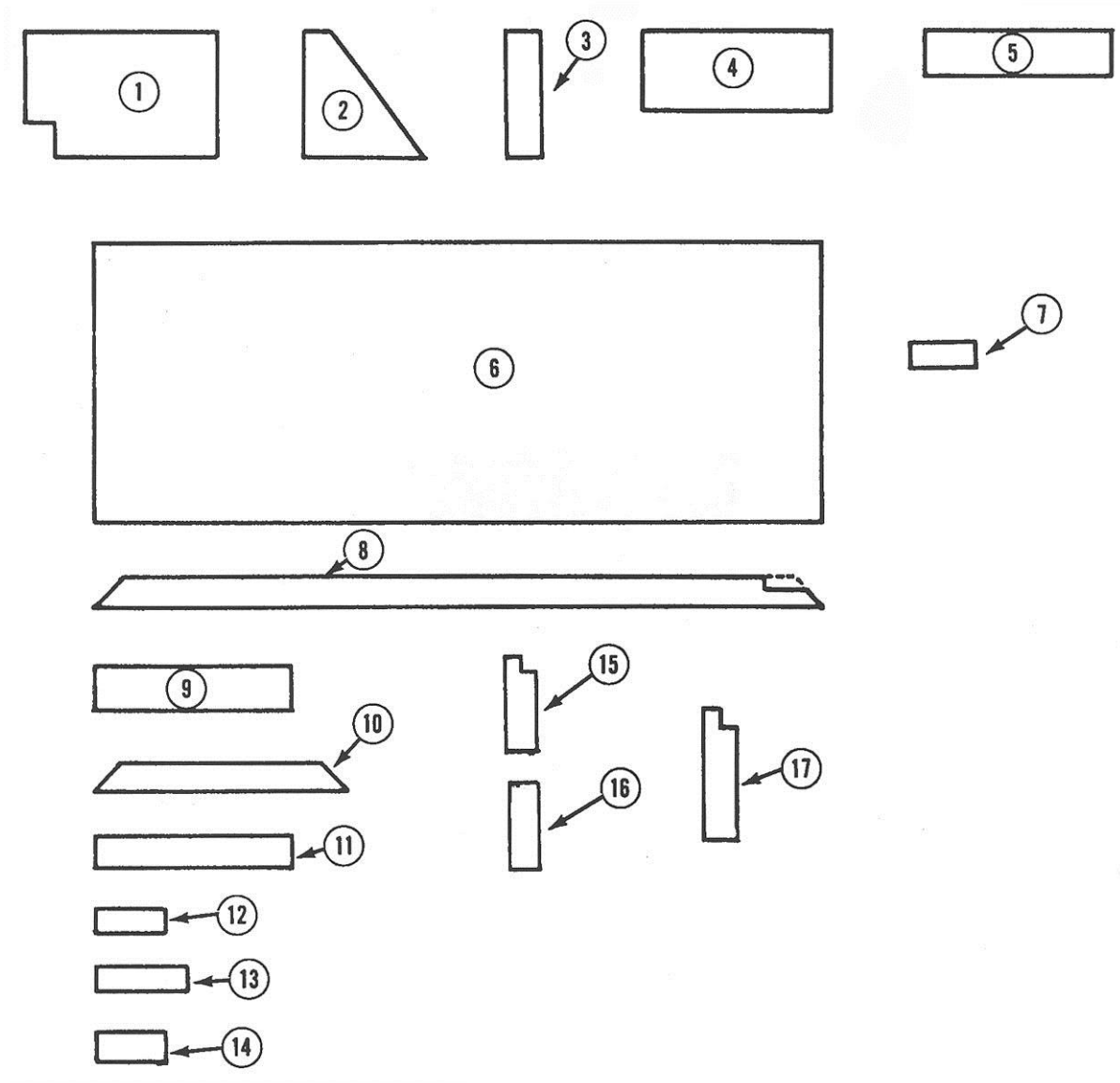
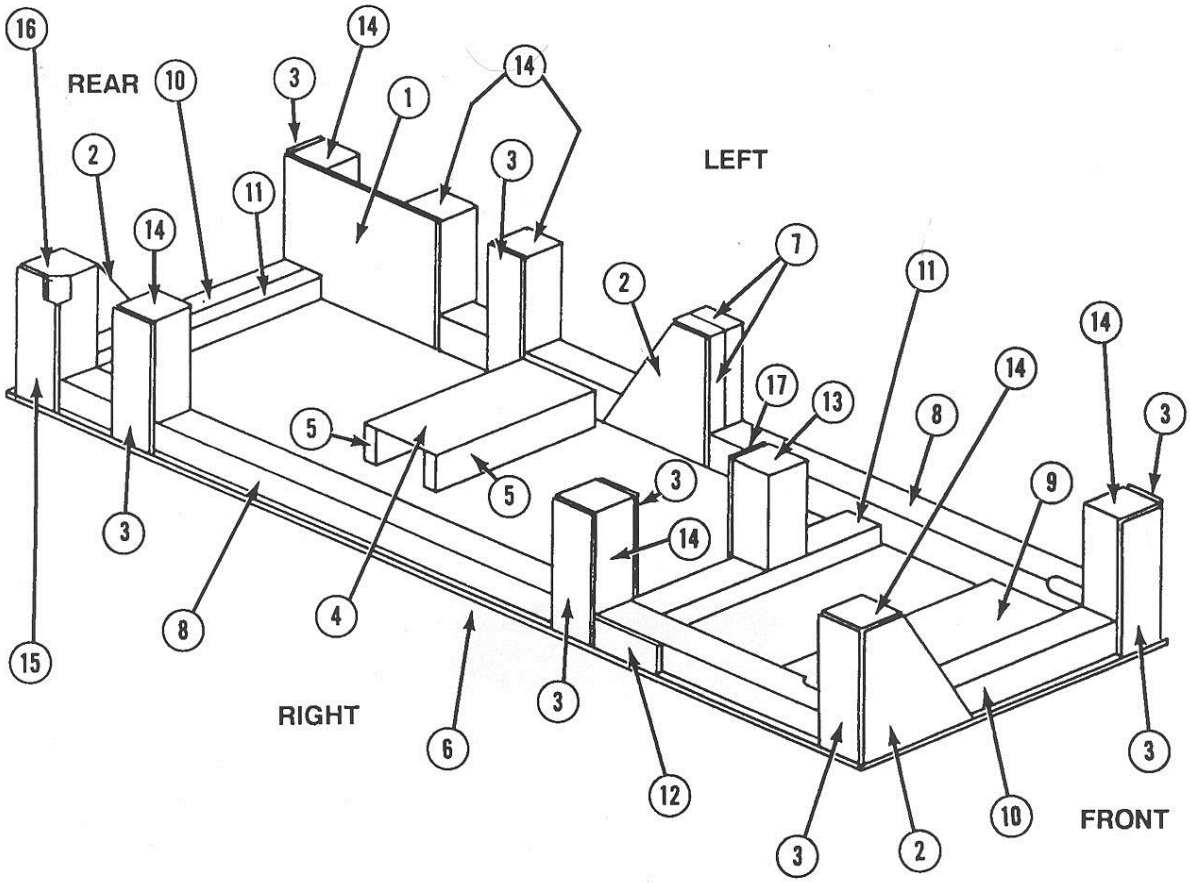


Figure 7-22. Material Required for Frame Support

Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	13 ½	21 ½	¾-inch plywood
2	3	13 ½	13 ½	¾-inch plywood
3	8	3 ½	13 ½	¾-inch plywood
4	1	8 ½	20	¾-inch plywood
5	2	3 ½ (actual)	20	2- by 4-inch lumber
6	1	36	96	¾-inch plywood
7	2	3 ½ (actual)	10	2- by 4-inch lumber
8	2	3 ½ (actual)	96	4- by 4-inch lumber
9	1	5 ½ (actual)	26	2- by 6-inch lumber
10	2	3 ½ (actual)	33	4- by 4-inch lumber
11	2	3 ½ (actual)	26	2- by 4-inch lumber
12	1	3 ½ (actual)	10	2- by 4-inch lumber
13	1	3 ½ (actual)	10 ¾	4- by 4-inch lumber
14	7	3 ½ (actual)	10	4- by 4-inch lumber
15	1	3 ½	13 ½	¾-inch plywood
16	1	3 ½ (actual)	10	4- by 4-inch lumber
17	1	3 ½	12 ¼	¾-inch plywood

Figure 7-22. Material Required for Frame Support (continued)

Note. 1. Circled numbers refer to item numbers in Figure 7-22.
2. This drawing is not drawn to scale.



Steps:

20. Construct frame support as shown.
21. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 7-23. Right Front Suspension Sling Spreader Constructed

Note. 1. All dimensions are given in inches.
2. This drawing is not drawn to scale.

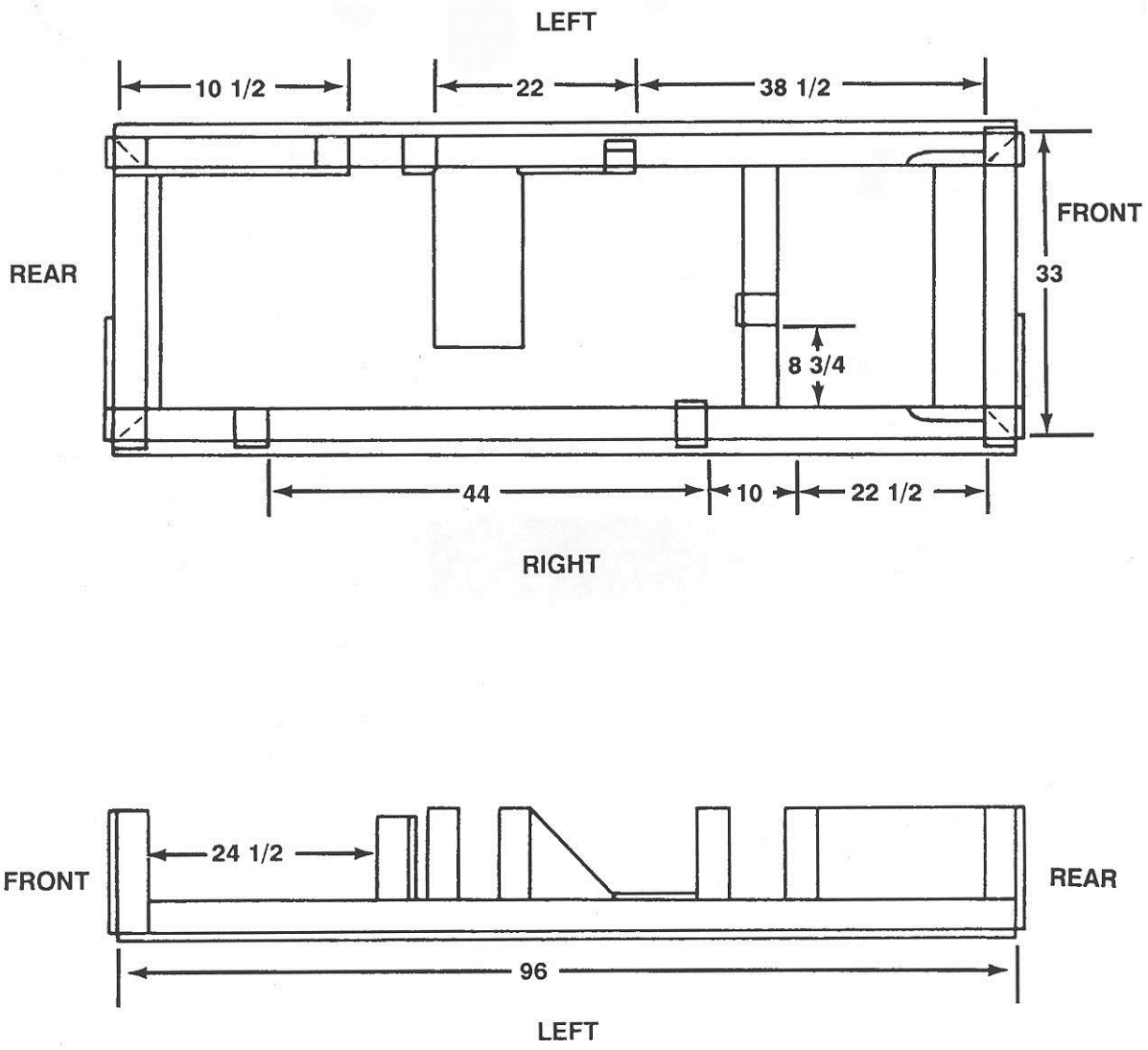
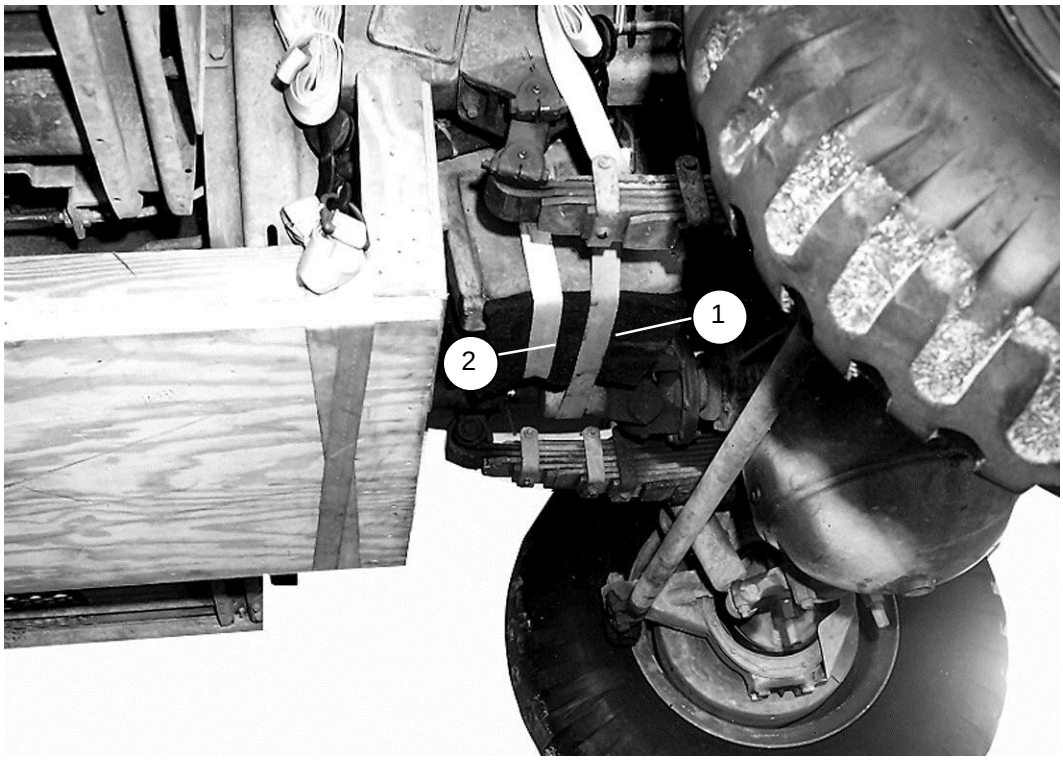


Figure 7-23. Right Front Suspension Sling Spreader Constructed (continued)

INSTALLING ENGINE SUPPORTS AND FRAME SUPPORT

7-7. Install the engine supports and the frame support as shown in Figures 7-24 and 7-25 using two 15-foot and two 30-foot tiedown straps.

Note. Make sure the D-ring and load binder are not against the oil pan.



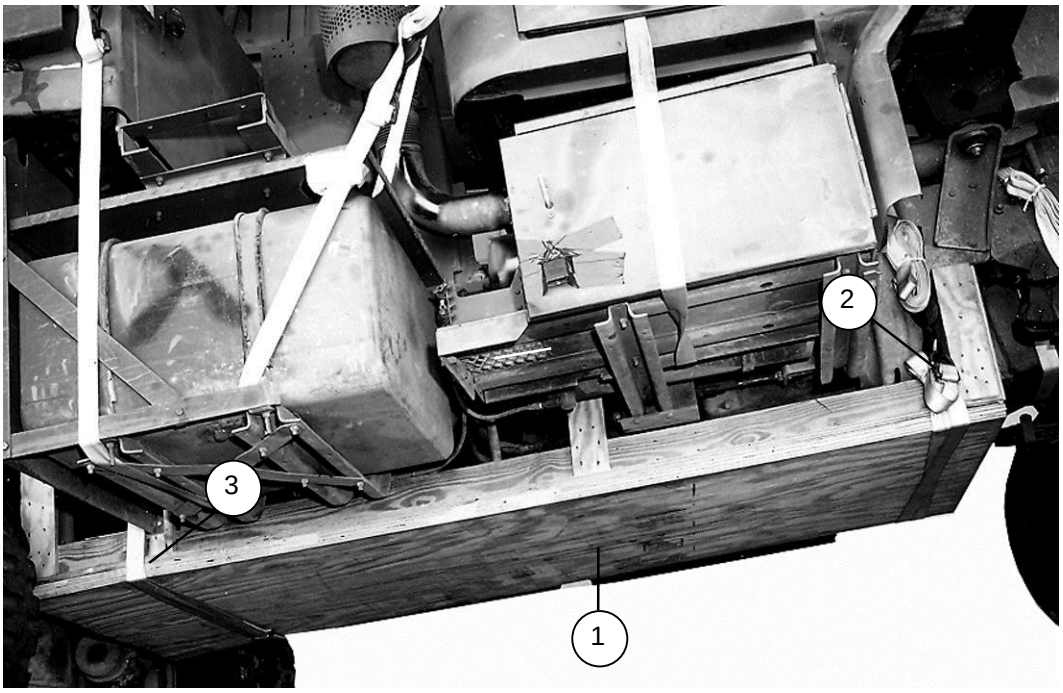
① Pass the end of a 15-foot tiedown strap around the right frame rail under the front part of the oil pan and around the left frame rail. Place a 12- by 12-inch piece of felt between the oil pan and the strap. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Pass a second 15-foot tiedown strap as explained in step 1 above except under the rear of the oil pan. Place a 12- by 12-inch piece of felt between the oil pan and the strap.

Figure 7-24. Engine Supports Installed

CAUTION

Ensure the frame support is not placed on hydraulic lines.



① Position the frame support under the mainframe as shown.

② Form a 30-foot tiedown strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass one end of the strap around one mainframe rail near the front of the front of the frame support. Pass the other end of the strap under the frame support and around the other mainframe rail. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Install a second 30-foot tiedown strap near the rear of the frame support adapting the procedures given in step 2 above.

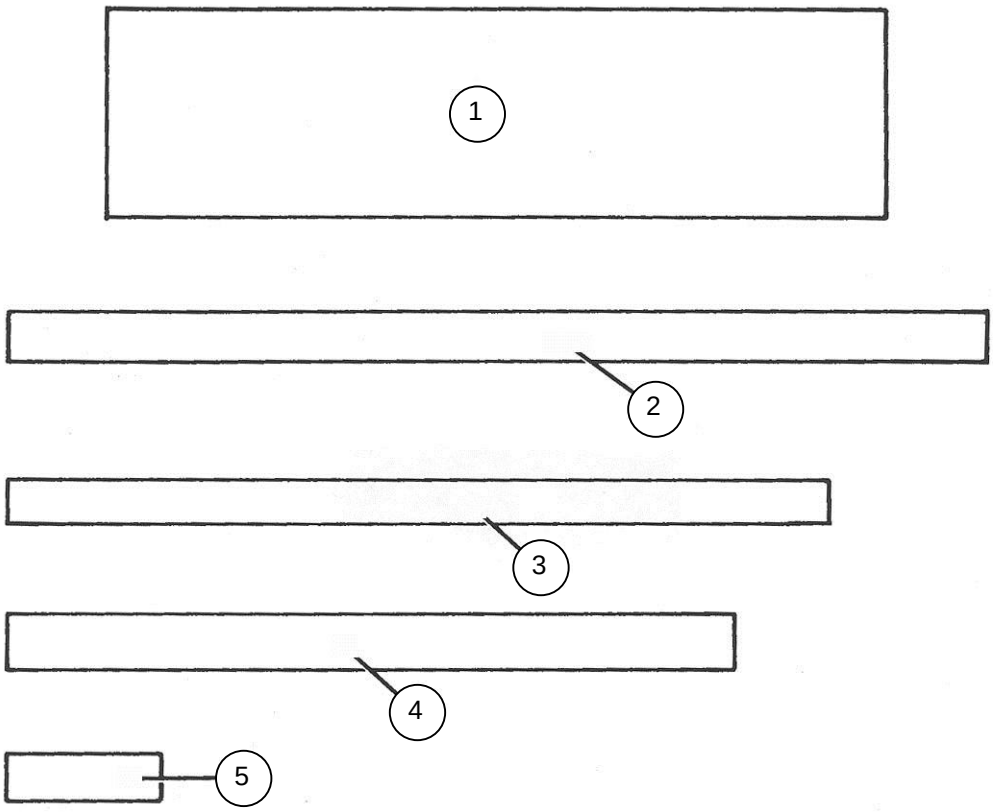
Note. Position the load binders on the side of the frame support so that the load binders will not touch the honeycomb stack.

Figure 7-25. Frame Support Installed

CONSTRUCTING AND INSTALLING REAR SUSPENSION SLING SPREADER

7-8. Use the material in Figure 7-26 to build the rear suspension sling spreaderConstruct the rear suspension sling spreader as shown in Figure 7-27. Install the rear suspension sling spreader as shown in Figure 7-28.

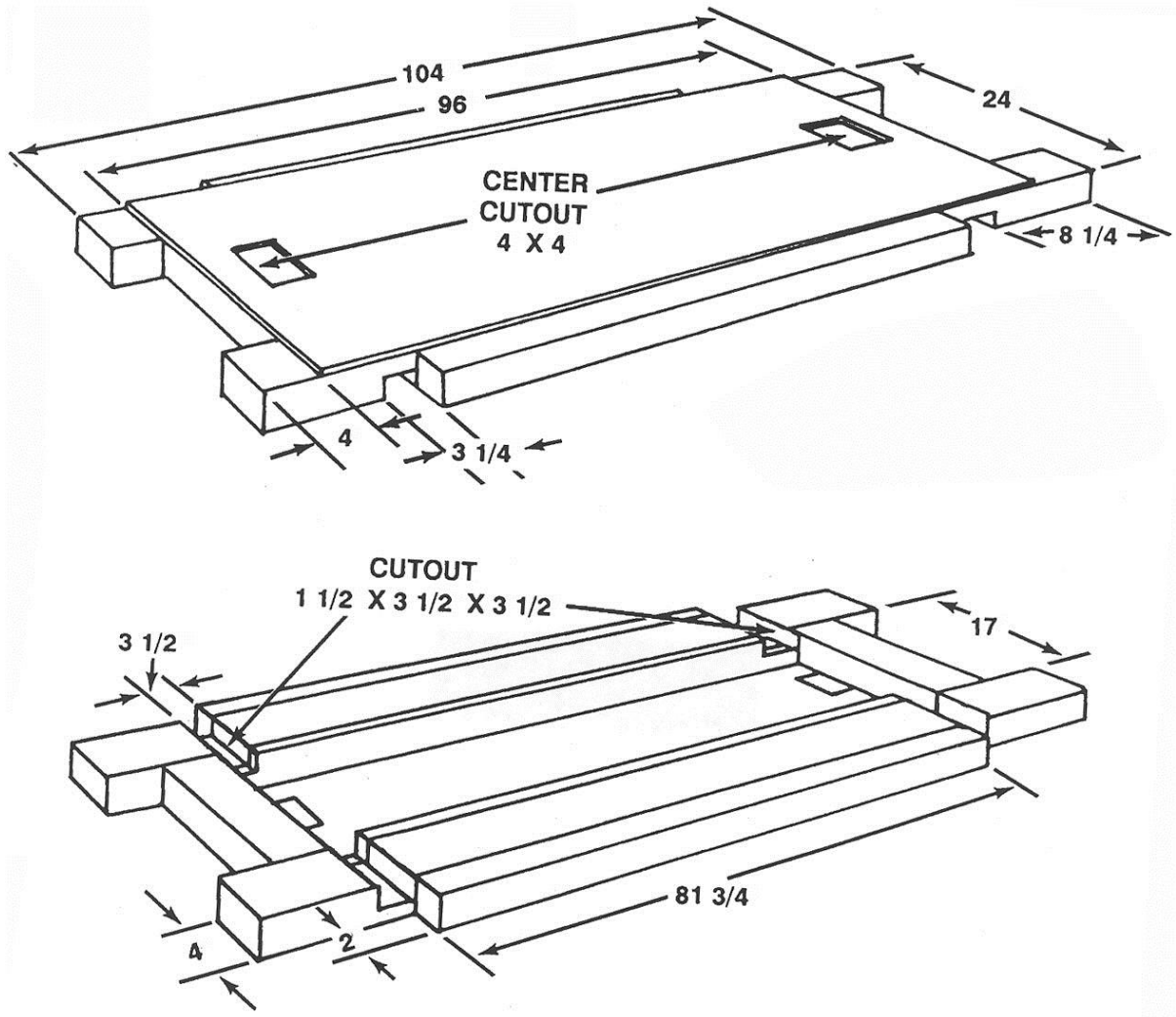
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	24	96	¾-inch plywood
2	2	3 ½ (actual)	104	4- by 4-inch lumber
3	2	3 ½ (actual)	88 ½	2- by 4-inch lumber
4	2	3 ½ (actual)	81 ¾	2- by 4-inch lumber
5	2	3 ½ (actual)	17	4- by 4-inch lumber

Figure 7-26. Material Required for the Rear Suspension Sling Spreader

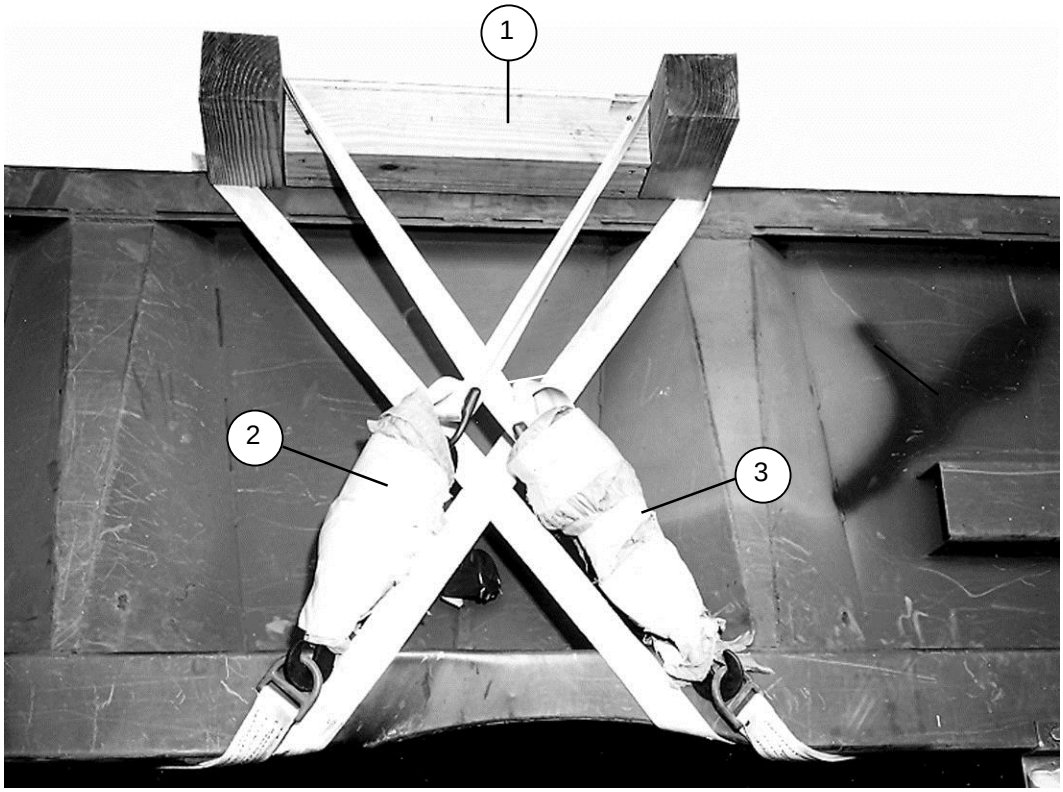
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Steps:

22. Construct a rear suspension sling spreader as shown.
23. Secure the plywood and lumber in place as shown with sixteen penny nails.

Figure 7-27. Rear Suspension Sling Spreader Constructed



① Center the rear suspension sling spreader on the body of the truck 33 inches from the front of the bed wall.

Note. Make sure that the cutouts fit down over the walls of the truck.

② Pass a 15-foot tiedown strap through the hole in the fifth bed support under the bed up around the forward support brace of the spreader and back down. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pad the load binder with cellulose wadding and tape.

③ Pass another 15-foot tiedown strap through the hole in the third bed support under the bed up around the rear support brace of the spreader and back down. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pad the load binder with cellulose wadding and tape.

④ Adapt the procedures in steps 2 and 3 above to secure the left side of the rear suspension sling spreader (not shown).

Figure 7-28. Rear Suspension Sling Spreader Installed

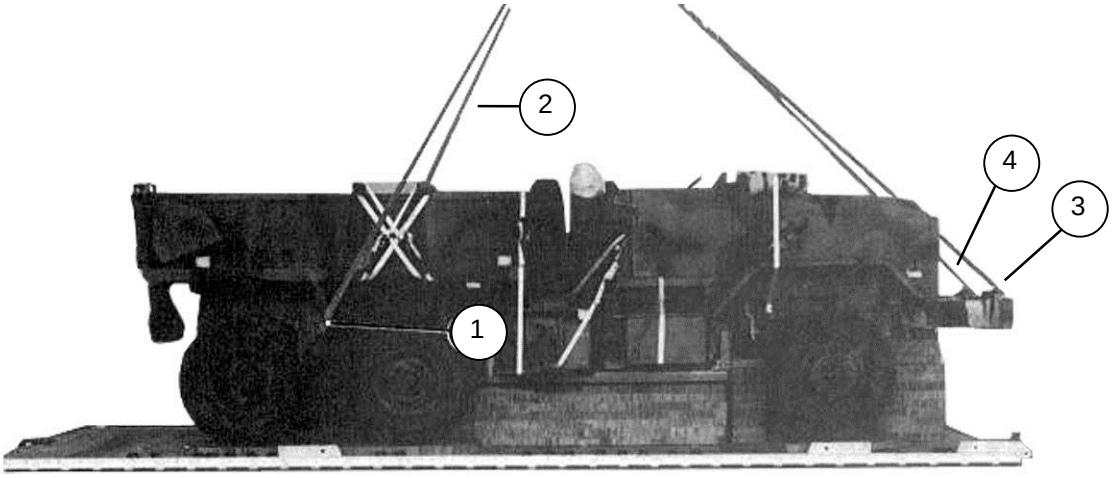
POSITIONING TRUCK

7-9. Position the truck as described below.

- Install two 20-foot and two 16-foot (4-loop), type XXVI nylon webbing slings as shown in Figure 7-29
- Position the truck on the honeycomb stacks as shown in Figure 7-30.

Note. Other slings of equal or greater strength may be used to lift the truck.

Note. Pad or tape the area where the slings touch the truck to protect the slings.



① Pass the end of a 16-foot (4-loop), type XXVI nylon webbing sling between the side body and the body floor of the truck. Attach the end of the sling to the spring saddle with a screw-pin clevis.

② Install another sling on the other side of the truck as described in step 1 above.

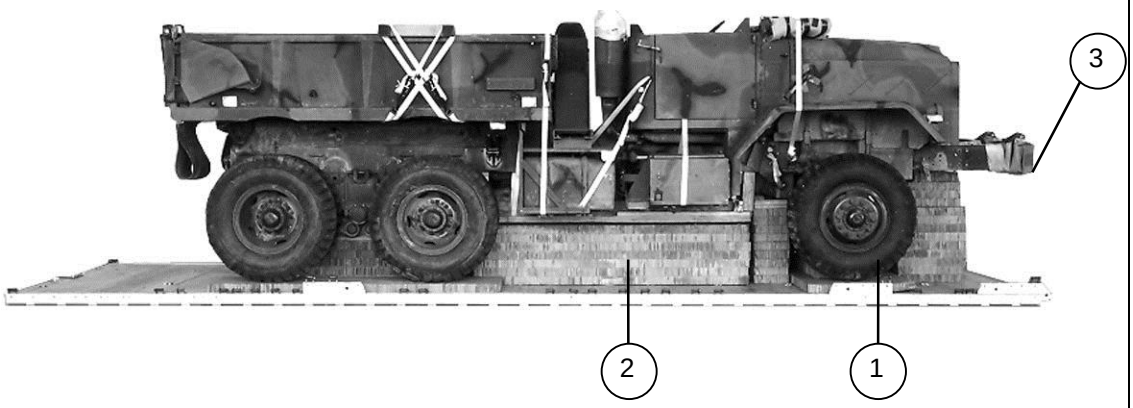
③ Attach the end of a 20-foot (4-loop), type XXVI nylon webbing sling to a front lifting shackle with a large clevis.

④ Install another sling on the other side of the truck as described in step 3 above.

Note. After slings are attached to the truck and the lifting device, place the transmission lever in neutral and release the brakes

Figure 7-29. Lifting Slings Installed

Note. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.



Lift the truck with the lifting slings and position it on the honeycomb stacks with:

① The front axle centered on stack 2.

② The frame support centered on stack 4.

③ The front bumper overhanging the front of the platform by 6 inches.

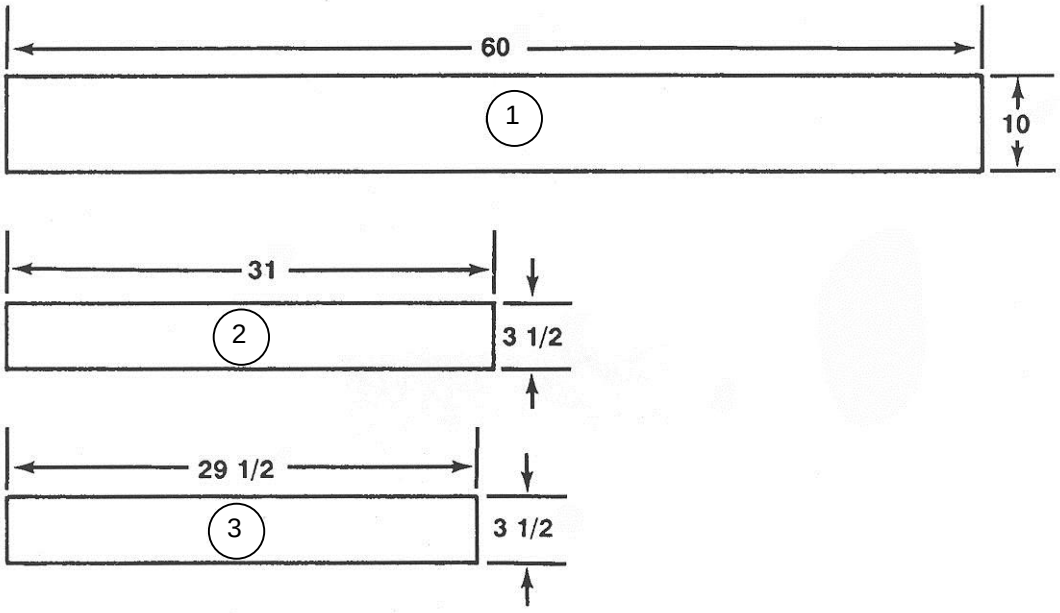
Note. After the truck is positioned, remove the lifting slings.

Figure 7-30. Truck Positioned

CONSTRUCTING AND INSTALLING FRONT SUSPENSION SLING SPREADERS

7-10. Construct the front suspension sling spreaders as shown in Figures 7-31 through 7-34. Install the front suspension sling spreaders as shown in Figure 7-35.

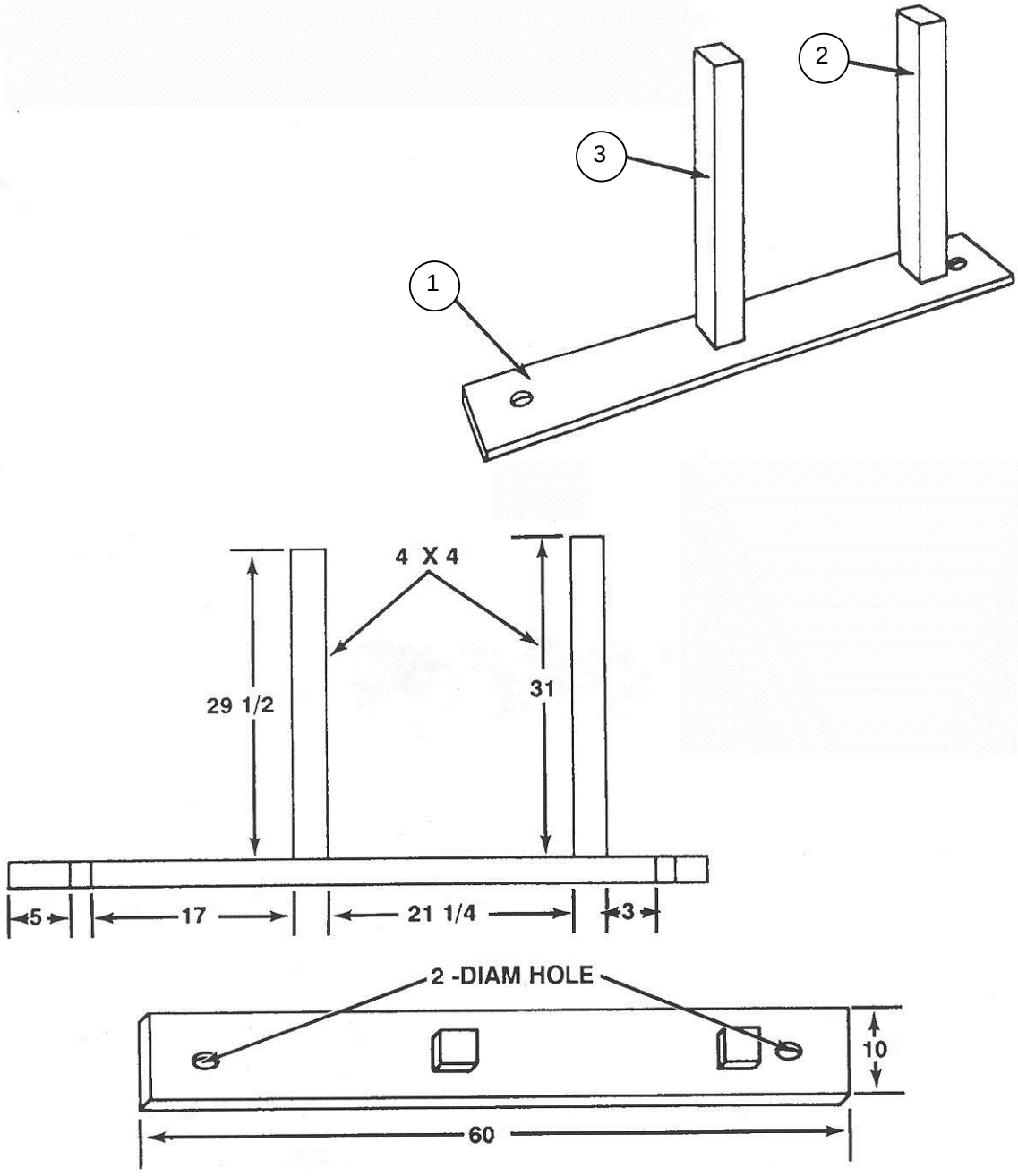
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.
3. All dimensions are given in inches.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾ (actual)	60	2- by 10-inch lumber
2	1	3 ½ (actual)	31	4- by 4-inch lumber
3	1	3 ½ (actual)	29 ½	4- by 4-inch lumber

Figure 7-31. Material Required for the Left Front Suspension Sling Spreader

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.

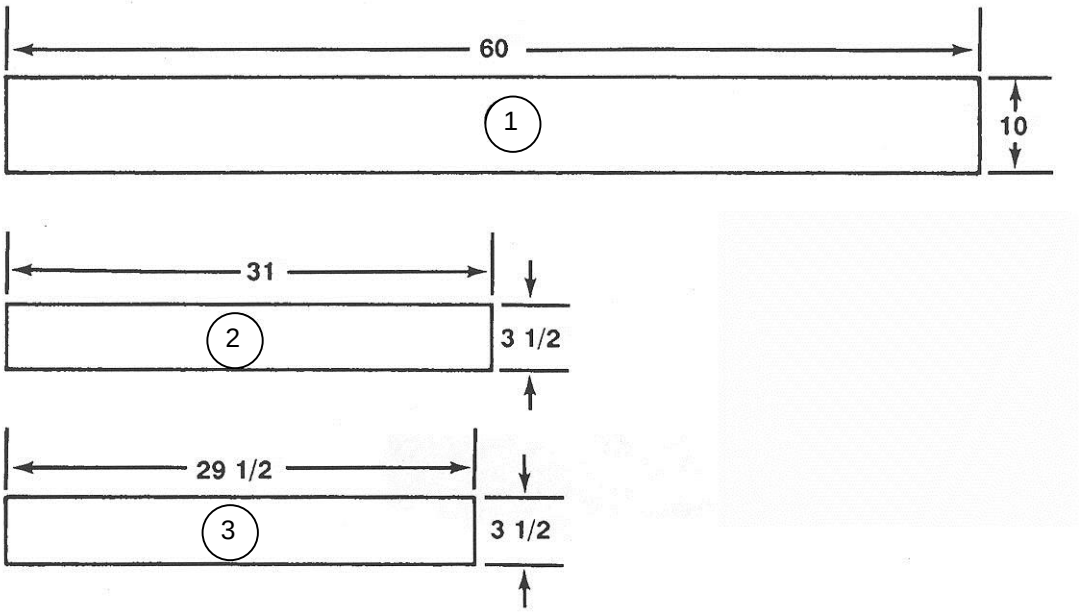


Steps:

24. Construct a rear suspension sling spreader as shown.
25. Secure the lumber in place as shown with sixteen penny nails.

Figure 7-32. Left Front Suspension Sling Spreader Constructed

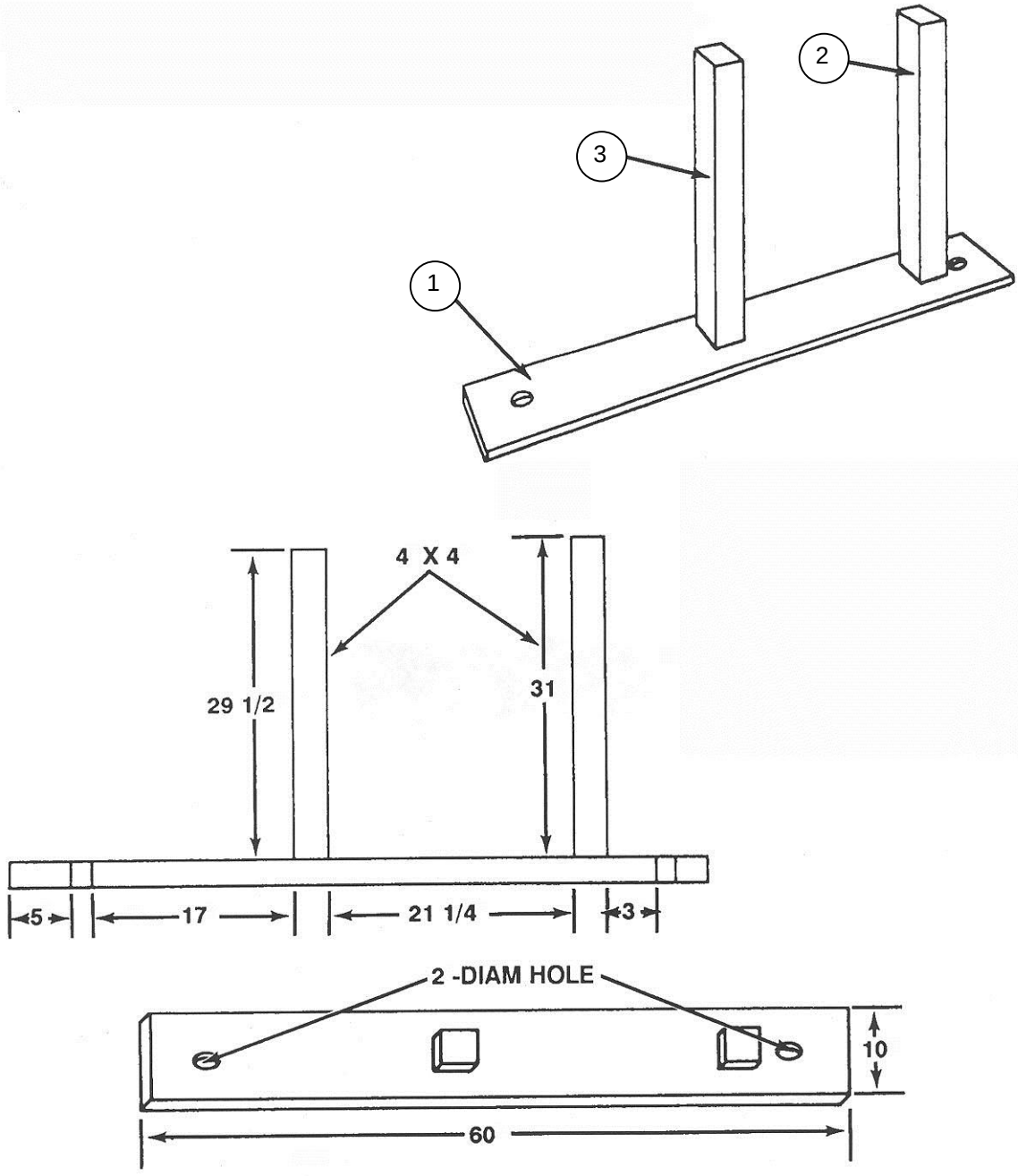
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.
3. All dimensions are given in inches.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	1 ¾ (actual)	60	2- by 10-inch lumber
2	1	3 ½ (actual)	31	4- by 4-inch lumber
3	1	3 ½ (actual)	29 ½	4- by 4-inch lumber

Figure 7-33. Material Required for the Right Front Suspension Sling Spreader

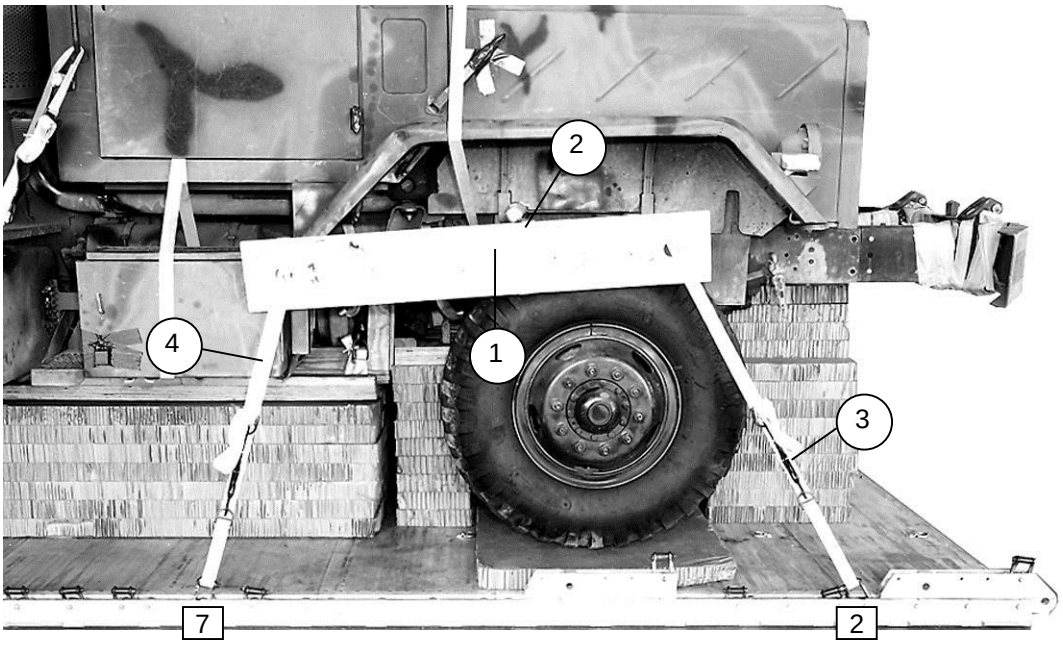
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.



Steps:

26. Construct a rear suspension sling spreader as shown.
27. Secure the lumber in place as shown with sixteen penny nails.

Figure 7-34. Right Front Suspension Sling Spreader Constructed



① Position the right front suspension sling spreader against the mainframe of the truck as shown.

② Pass the free end of a 15-foot tiedown strap around the mainframe and around the 2- by 10-inch portion of the sling spreader. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Pass a 15-foot tiedown strap through the front hole of the spreader to clevis 2 on the right side of the truck. Secure the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

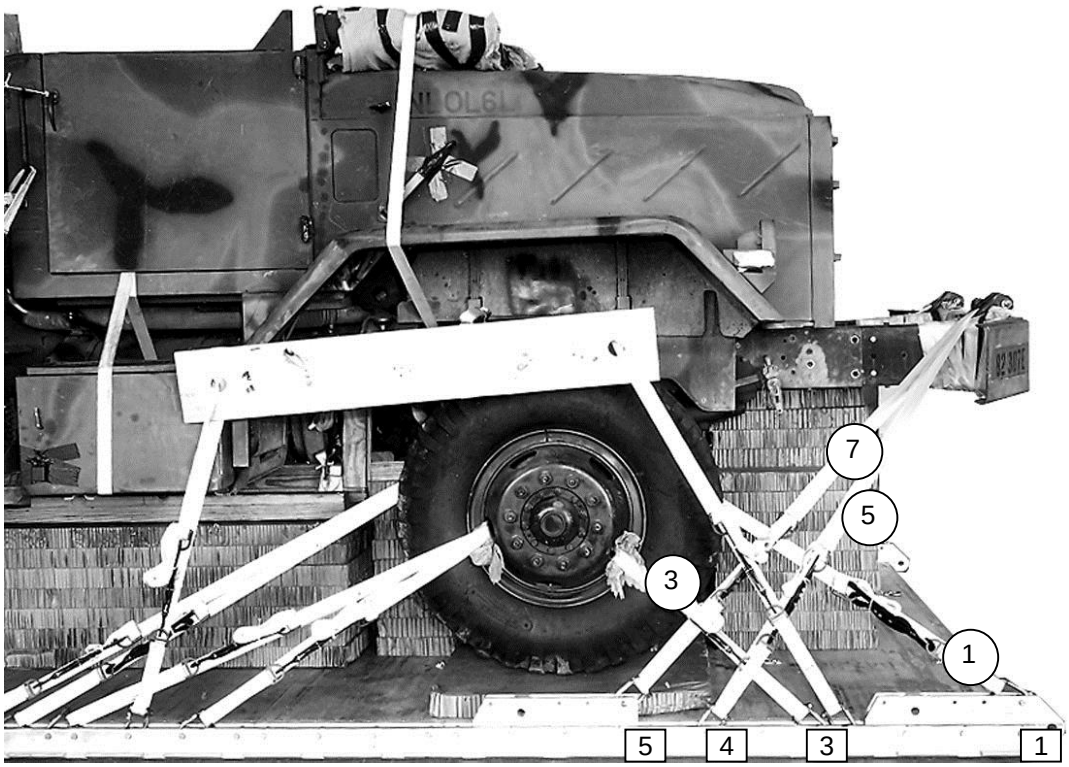
④ Pass a 15-foot tiedown strap through the rear hole of the spreader to clevis 7 on the right side of the truck. Secure the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Adapt the procedure in steps 1 through 4 above to install the left front suspension sling spreader to tiedown clevises 2A and 7A (not shown).

Figure 7-35. Front Suspension Sling Spreaders Installed

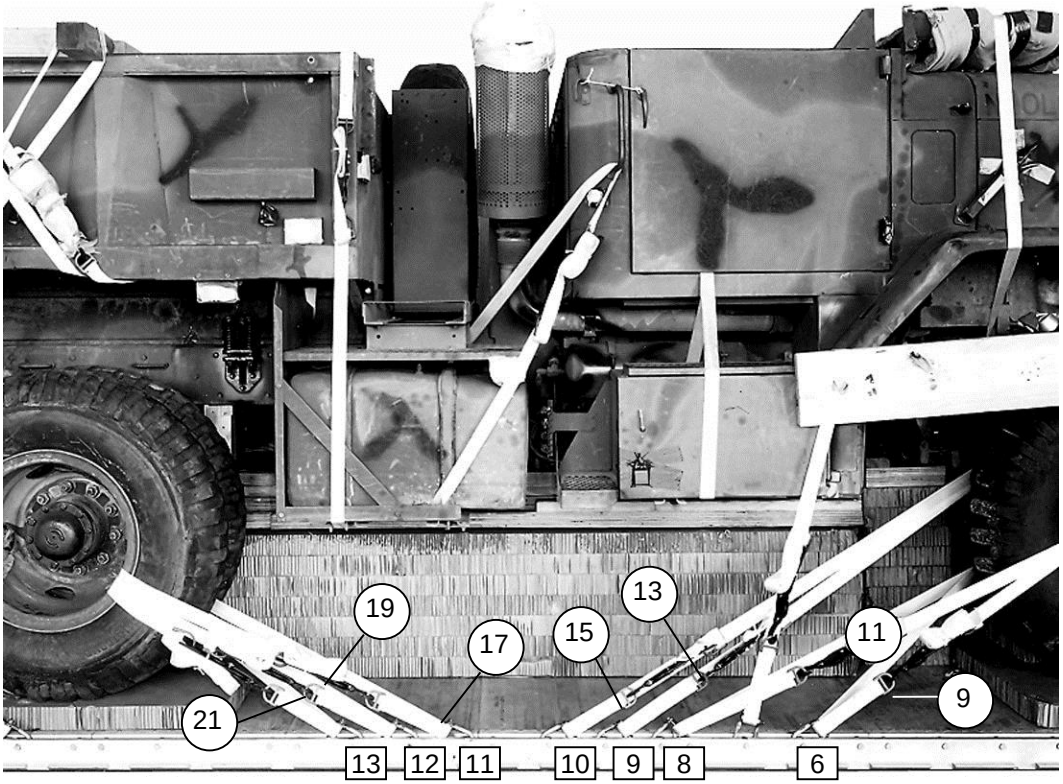
INSTALLING LASHINGS

7-11. Lash the truck to the platform using forty 15-foot tiedown assemblies as shown in Figures 7-36 through 7-39. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.



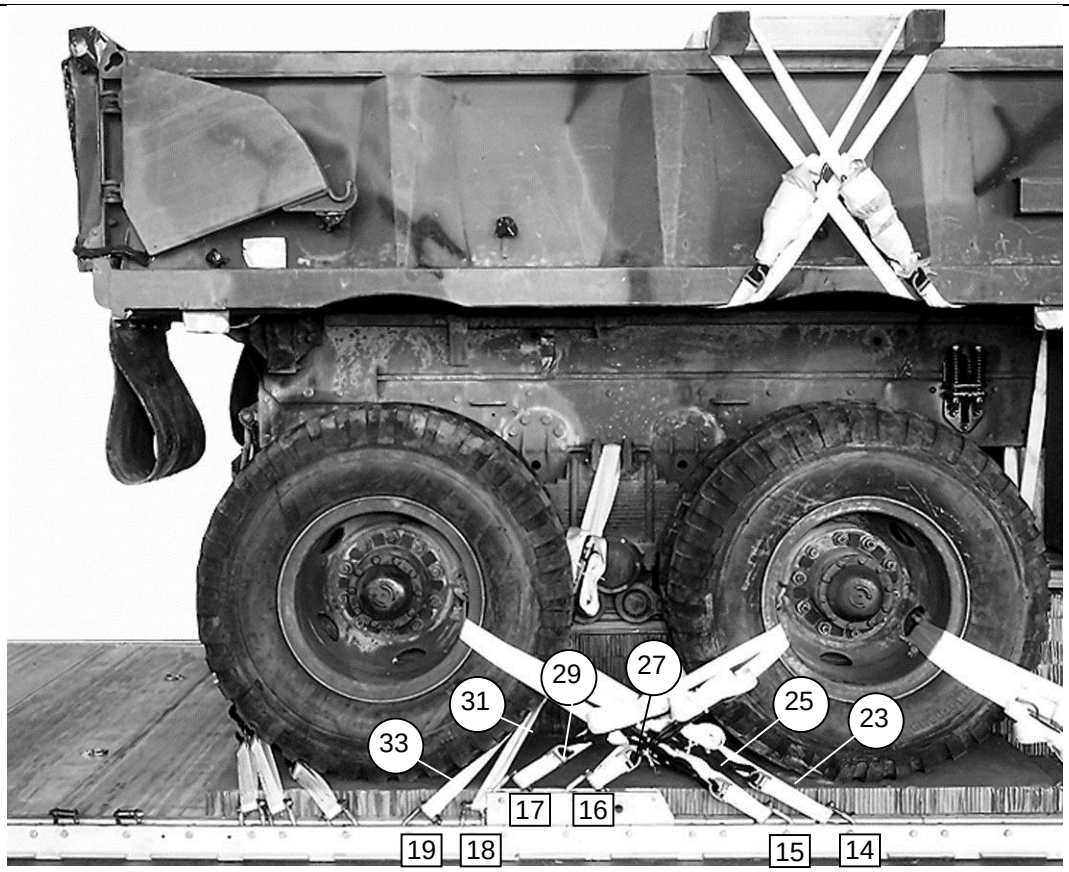
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
1	1	Through the tiedown ring on the right mainframe.
2	1A	Through the tiedown ring on the left mainframe.
3	3	Through the front wheel right side.
4	3A	Through the front wheel, left side.
5	4	Through the front lifting shackle, right side.
6	4A	Through the front lifting shackle, left side.
7	5	Through the front lifting shackle, right side.
8	5A	Through the front lifting shackle, left side.

Figure 7-36. Lashings 1 Through 8 Installed



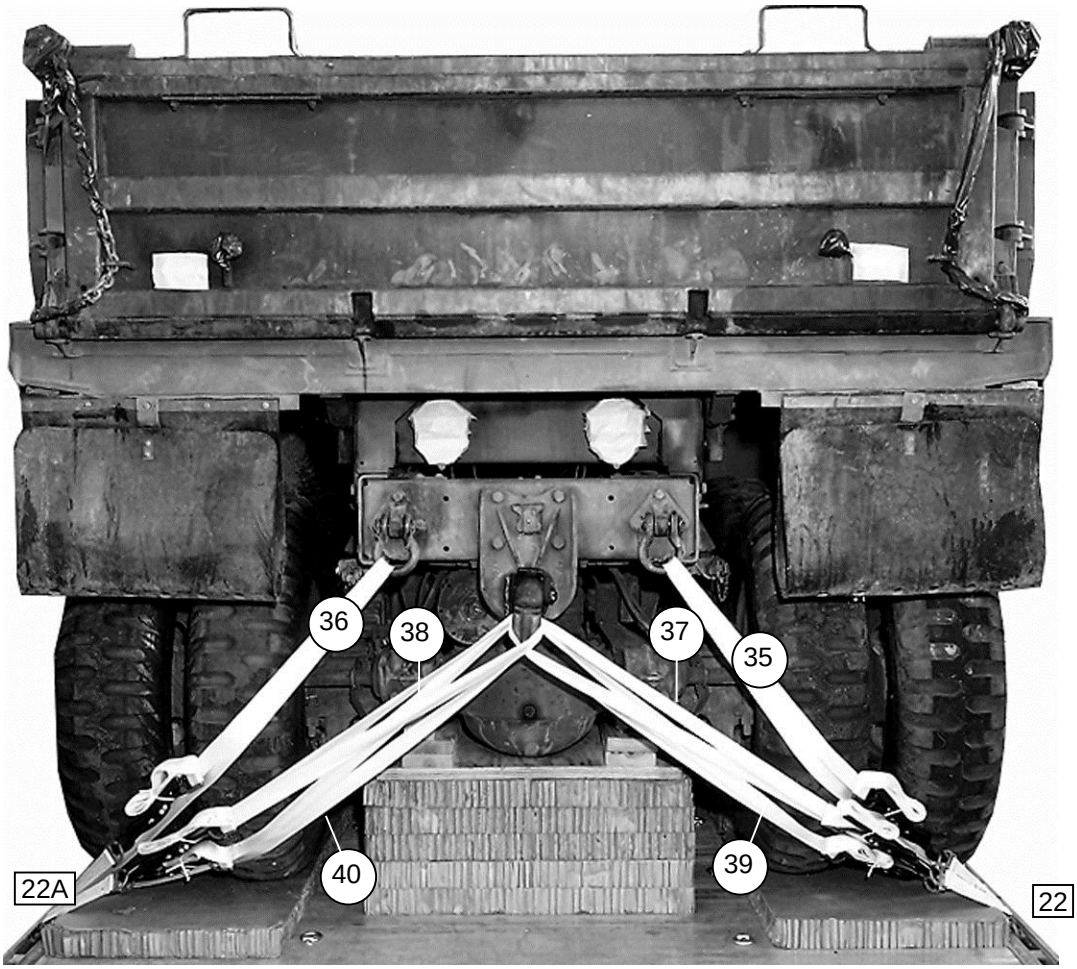
Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
9	6	Through the front wheel, right side.
10	6A	Through the front wheel, left side.
11	8	Through the front wheel, right side.
12	8A	Through the front wheel, left side.
13	9	Through the tiedown ring on the right mainframe.
14	9A	Through the tiedown ring on the left mainframe.
15	10	Through the tiedown ring on the right mainframe.
16	10A	Through the tiedown ring on the left mainframe.
17	11	Through the front outside dual wheel, right side.
18	11A	Through the front outside dual wheel, left side.
19	12	Through the front outside dual wheel, right side.
20	12A	Through the front outside dual wheel, left side.
21	13	Through the front outside dual wheel, right side.
22	13A	Through the front outside dual wheel, left side.

Figure 7-37. Lashings 9 Through 22 Installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
23	14	Through the rear outside dual wheel, right side.
24	14A	Through the rear outside dual wheel, left side.
25	15	Through the rear outside dual wheel, right side.
26	15A	Through the rear outside dual wheel, left side.
27	16	Through the front outside dual wheel, right side.
28	16A	Through the front outside dual wheel, left side.
29	17	Through the front outside dual wheel, right side.
30	17A	Through the front outside dual wheel, left side.
31	18	Through the spring saddle, right side.
32	18A	Through the spring saddle, left side.
33	19	Through the spring saddle, right side.
34	19A	Through the spring saddle, left side.

Figure 7-38. Lashings 23 Through 34 Installed



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
35	20	Through the lifting shackle, right side.
36	201A	Through the lifting shackle, left side.
37	21	Through the towing pintle.
38	21A	Through the towing pintle.
39	22	Through the towing pintle.
40	22A	Through the towing pintle.

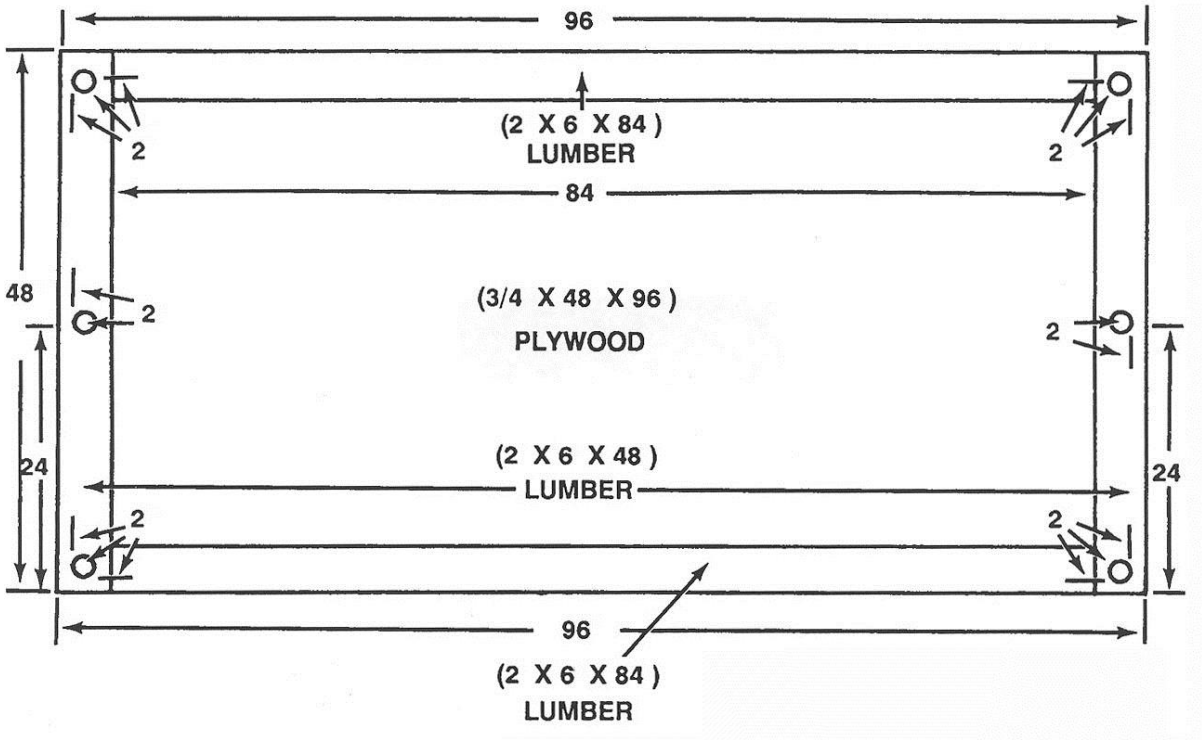
Figure 7-39. Lashings 35 Through 40 Installed

CONSTRUCTING, POSITIONING, AND SECURING PARACHUTE STOWAGE PLATFORM

7-12. Construct, position, and secure the parachute stowage platform as described below.

- Construct the parachute stowage platform as shown in Figure 7-40
- Position and secure the parachute stowage platform as shown in Figure 7-41.

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.
3. Circled numbers refer to item numbers.

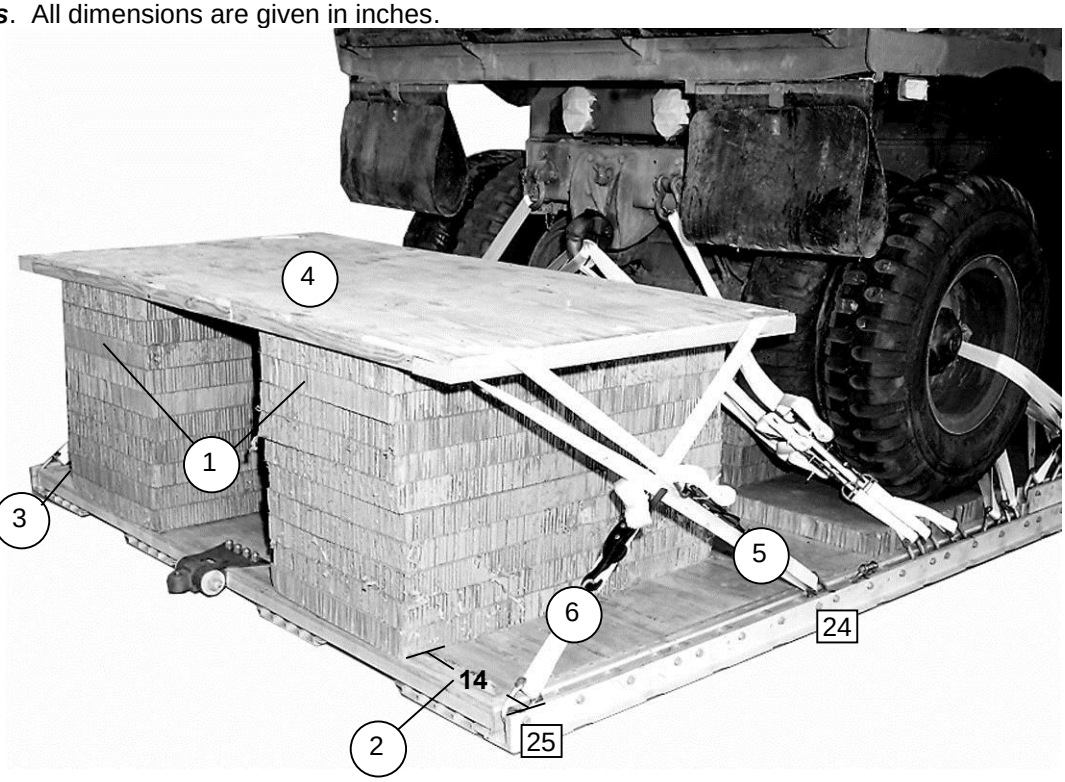


Steps:

28. Construct parachute stowage platform as shown.
29. Secure the lumber and plywood in place as shown with eight penny nails.

Figure 7-40. Parachute Stowage Platform Constructed

Notes. All dimensions are given in inches.



① Construct two honeycomb stacks with ten 24- by 48-inch pieces in each stack (not shown).

② Place one stack on the right side of the platform flush with the rear edge and with the right rear corner of the stack 14 inches from the right rail.

③ Place one stack on the left side of the platform flush with the rear edge and with the left rear corner of the stack 14 inches from the left rail.

④ Center the stowage platform on the honeycomb stacks.

⑤ Run a 15-foot tiedown strap through clevis 24 and up through the rear hole in the right side of the stowage platform. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

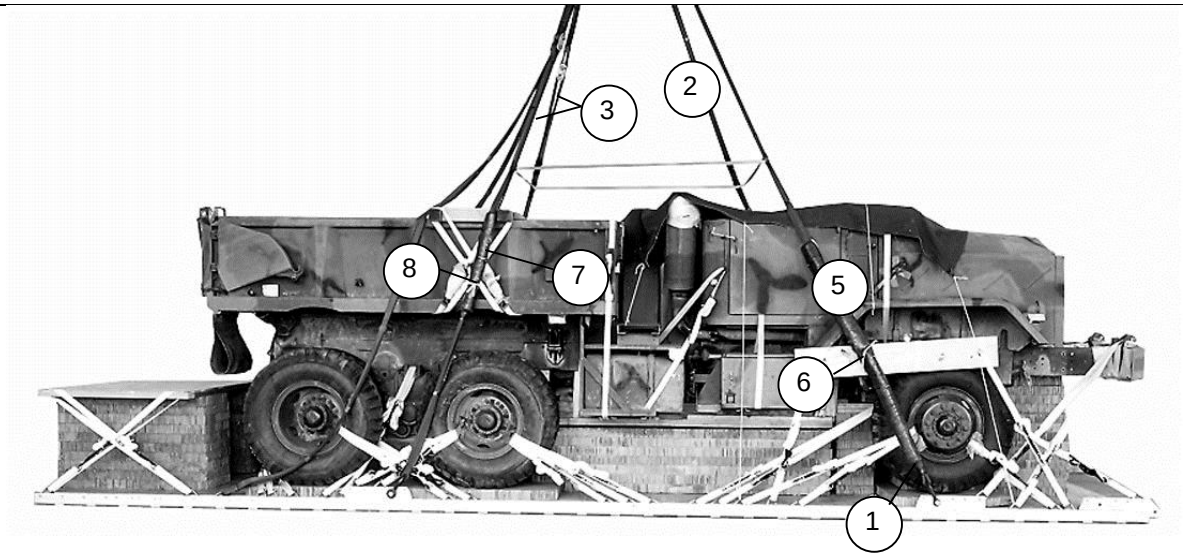
⑥ Run a 15-foot tiedown strap through clevis 25 and up through the front hole in the right side of the stowage platform. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑦ Lash the other side of the stowage platform in the same way using clevises 24A and 25A (not shown).

Figure 7-41. Parachute Stowage Platform Positioned and Secured

INSTALLING SUSPENSION SLINGS AND ANTITUMBLE SLINGS

7-13. Install the suspension slings and antitumble slings as shown in Figure 7-42.



① Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the right front suspension link.

② Place the bell portion of a large clevis through the loop of a 20-foot, (4-loop), type XXVI nylon webbing sling. Bolt the clevis to the left front suspension link.

③ Using two 3-foot, (4-loop), type XXVI nylon webbing slings, two 12-foot, (4-loop), type XXVI nylon webbing slings, and a two point link, adapt the procedures in steps 1 and 2 above and install the rear suspension slings to the rear suspension links.

④ Pull the suspension slings tight above the load (not shown).

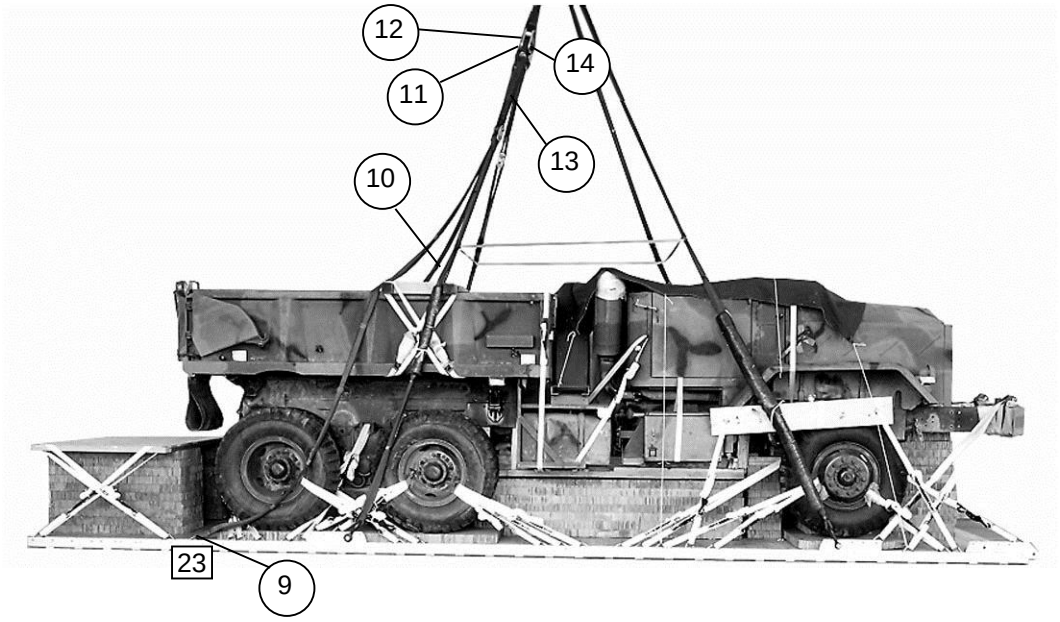
⑤ Wrap a 15- by 36-inch piece of felt around each front suspension sling 30 inches from the large clevis. Tape the felt in place.

⑥ Tie each front suspension sling to the front suspension sling spreader with a single turn of ½-inch tubular nylon webbing.

⑦ Wrap a 15- by 36-inch piece of felt around each rear suspension sling 30 inches from the large clevis. Tape the felt in place.

⑧ Tie each rear suspension sling to the side board ring tiedown with a single turn of ½-inch tubular nylon webbing.

Figure 7-42. Suspension Slings and Anti-tumble Slings Installed



⑨ Install a 20-foot (2-loop), type XXVI nylon webbing sling (right antitumble sling) to clevis 23.

⑩ Install a 20-foot (2-loop), type XXVI nylon webbing sling (left antitumble sling) to clevis 23A.

⑪ Attach the free end of the right antitumble sling to the left outside bolt of a four-point link assembly.

⑫ Attach the free end of the right rear suspension sling to the right outside bolt of the four-point link assembly.

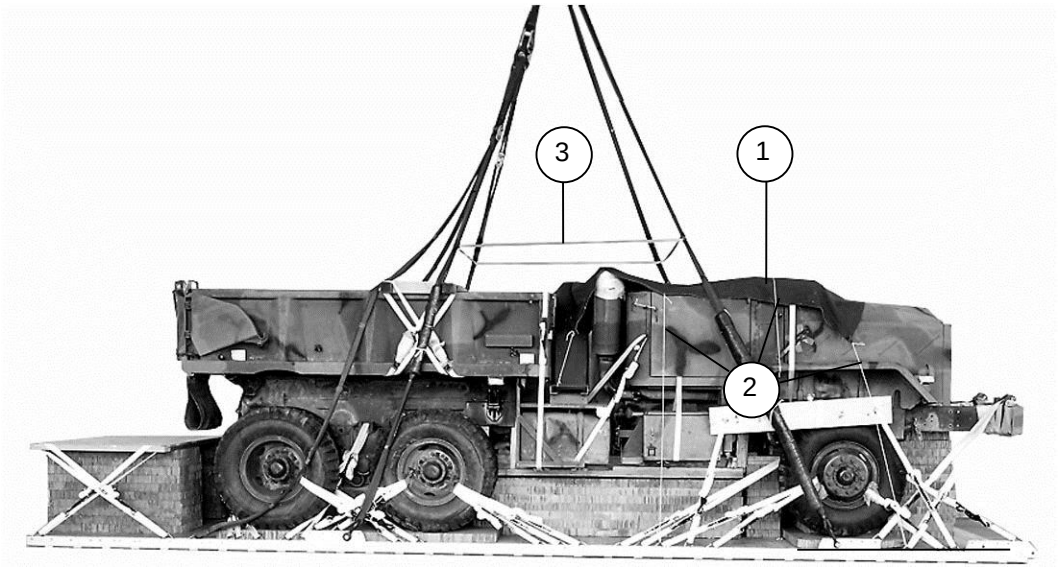
⑬ Attach a 3-foot (4-loop), type XXVI nylon webbing sling to the top bolt of the four-point link assembly.

⑭ Adapt the procedures in steps 11 through 13 above and install a four-point link assembly and 3-foot sling on the left side of the load

Figure 7-42. Suspension Slings and Anti-tumble Slings Installed (continued)

INSTALLING DEADMAN'S TIE

7-14. Install the load cover and deadman's tie as shown in Figure 7-43.



① Place a 12- by 12-foot piece of duck cloth (load cover) over the cab of the truck.

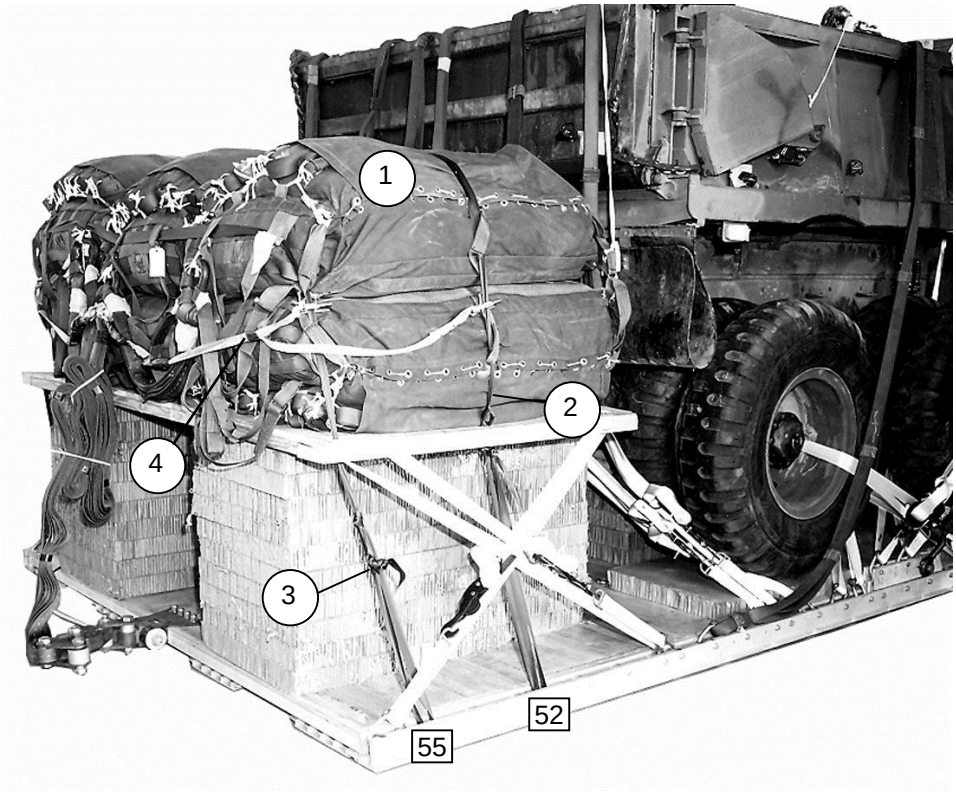
② Tie the load cover in place with ties of type III nylon cord.

③ Install a deadman's tie according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 7-43. Load Cover and Deadman's Tie Installed

STOWING CARGO PARACHUTES

7-15. Stow six G-11C cargo parachutes on the truck as shown in Figure 7-44



① Prepare and position six G-11C cargo parachutes on the stowage platform as shown. Each parachute requires a 120-foot (2-loop), type XXVI nylon riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a 10-yard, type VIII nylon webbing parachute restraint strap on top and over the cargo parachutes according to the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass the ends of the strap through bushings 52 and 52A and secure the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

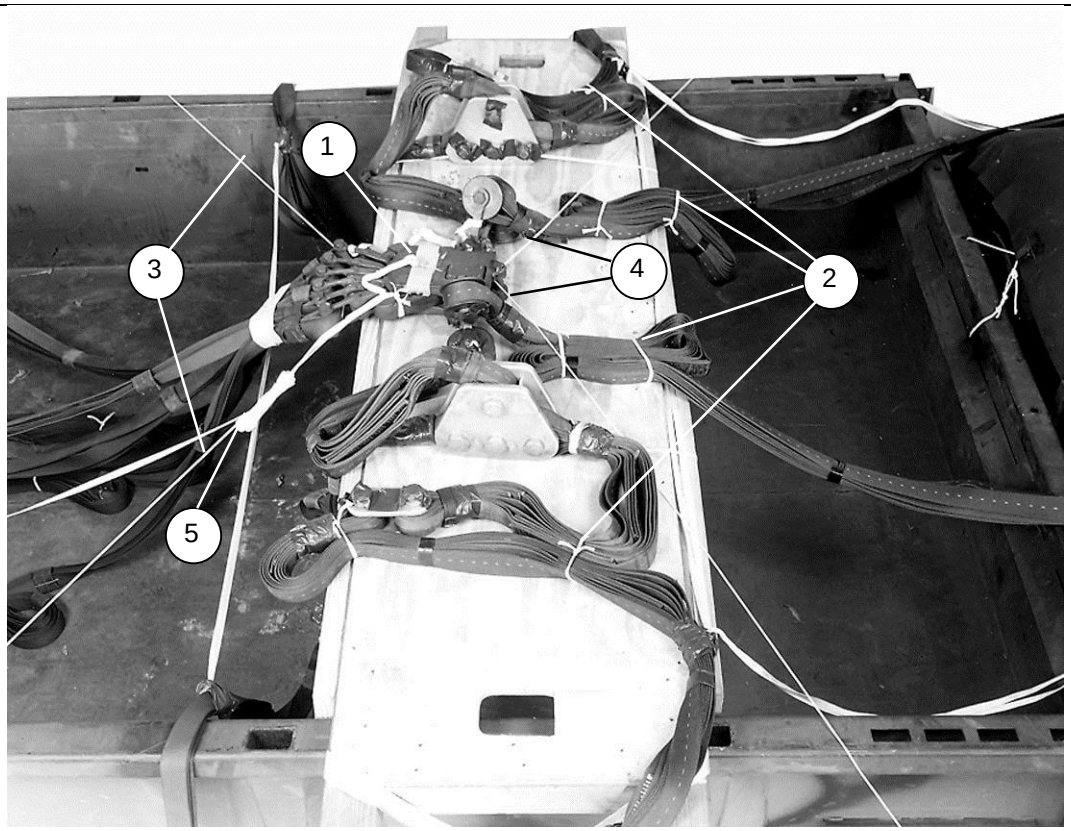
③ Install a 10-yard, type III nylon webbing parachute restraint strap on the rear of the load to the parachutes according to procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Pass the ends of the strap through bushings 55 and 55A and secure the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 7-44. Six G-11C Cargo Parachutes Installed

INSTALLING RELEASE SYSTEM

7-16. Prepare and install the release system as shown in Figure 7-45.



① Prepare an M-2 cargo parachute release assembly according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on top of the load.

② Fold the suspension slings and secure the folds with single turns of type I, ¼-inch cotton webbing.

③ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

④ Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

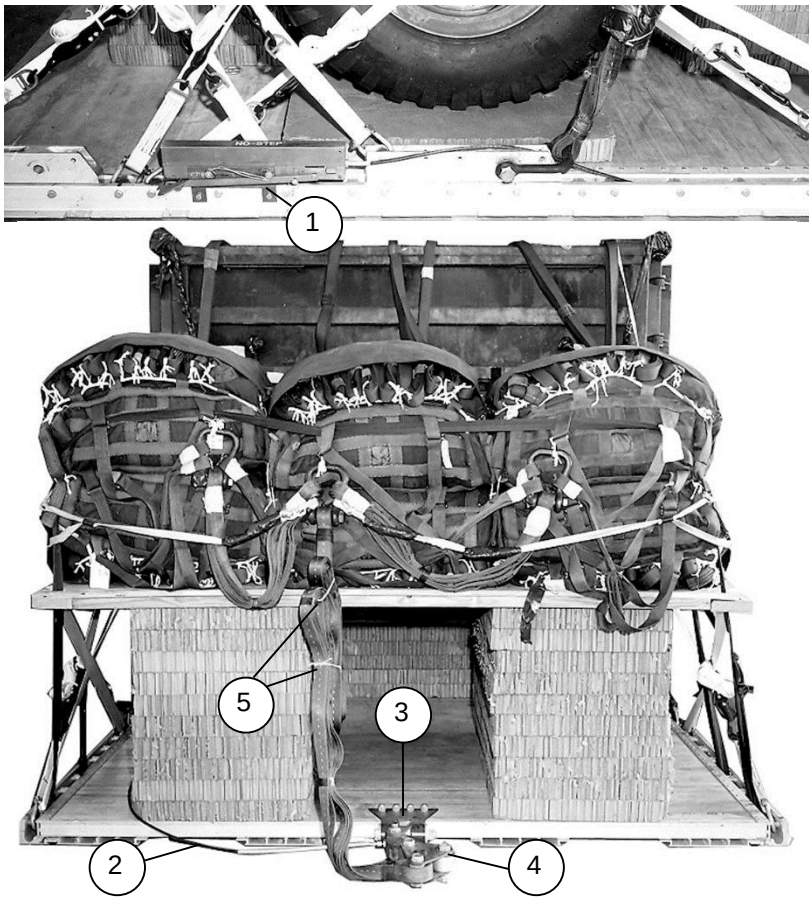
⑤ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Note. The arming lanyard MUST be modified to 20 feet to reach the parachutes.

Figure 7-45. Release System Installed

INSTALLING EXTRACTION SYSTEM

7-17. Install the extraction force transfer coupler extraction system as shown in Figure 7-46.



① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the Front mounting holes in the left platform rail.

② Install an actuator with a 28-foot cable to the EFTA mounting brackets according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Use a 5 inch latch assembly adapter, and attach the latch assembly to the extraction bracket according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 with the locking nut hole facing toward the left side of the platform.

④ Connect one end of a 9-foot (4-loop), type XXVI nylon webbing sling (deployment line) to the top spacer of the link assembly. Connect the free end to the center large suspension clevis on the 3-foot clustering slings.

⑤ Fold the excess deployment line and secure the folds in place with tape or type I, ¼-inch cotton webbing.

Figure 7-46. Extraction System Installed

PLACING EXTRACTION PARACHUTE

7-18. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISION FOR EMERGENCY RESTRAINTS

7-19. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

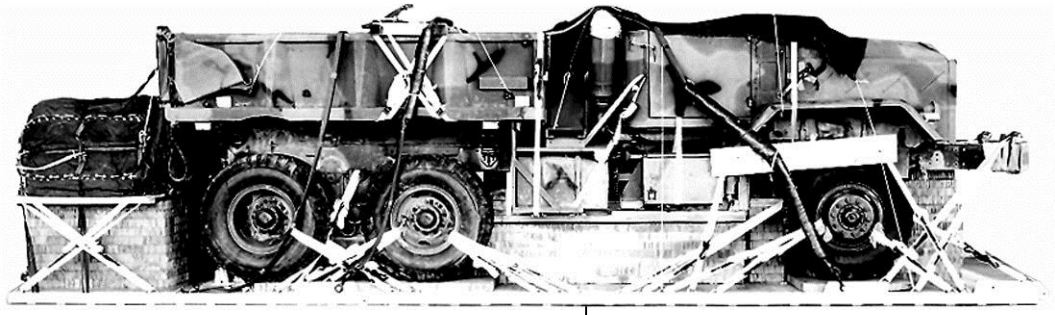
7-20. Mark the rigged and load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 and as shown in Figure 7-47. Complete *Shipper's Declaration for Dangerous Goods*. If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

7-21. Use the equipment listed in Table 7-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……30,260 pounds

Maximum load allowed……30,760 pounds

Height……..98 inches

Width ……108 inches

Length ……...367 inches

Overhang: Front ……6 inches

Rear ……25 inches

Center of Balance (CB) (from front edge of platform)……133 inches

Extraction System……Extraction Force Transfer Coupler

Figure 7-47. M925A1, 5-Ton Dump Truck Rigged for Low-Velocity Airdrop on a Type V Platform

Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-01-035-6054	Bridle, extraction line bag (Use w extraction line leaf.)	1
4030-00-090-5354		15
8305-00-242-3593	Clevis, suspension, 1-in (large)	As required
4020-00-240-2146	Cloth, cotton duck, 60-in	As required
1670-00-360-0328	Cord, nylon, type III, 550-lb	6
8135-00-664-6958	Cover, clevis, large	As required
8305-00-958-3685	Cushioning material, packaging, cellulose wadding	As required
1670-00-573-6790	Felt, ½-in thick	2
	Frame extension assembly	
	Frame support:	
5510-00-220-6146	Lumber:	
	2- by 4-in:	2
	10-in	2
	20-in	2
5510-00-220-6448	26-in	1
5510-00-220-6274	2- by 6- by 26-in	
	4- by 4-in:	8
	10-in	1
	10 ¾-in	2
	33-in	2
5530-00-128-4981	96-in	
	Plywood, ¾-in:	1
	3 ½- by 12 ¼-in	8
	3 ½- by 13 ½-in	1
	8 ½- by 20-in	3
	13 ½- by 13 ½-in	1
	13 ½- by 21 ½-in	1
1670-01-183-2678	36- by 96-in	1
	Leaf, extraction line	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	Line extraction:	
1670-00-003-1959	60-ft (4-loop), type X nylon webbing (for C-130 aircraft) or	1
1670-00-003-1957	60-ft (6-loop), type XXVI nylon webbing (for C-130 aircraft)	1
	Link assembly:	3
1670-00-006-2752	Four-point	3
	Two-point:	(6)
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(6)
5310-00-232-5165	Nut, 1-in	(6)
1670-00-003-1954	Plate, side, 5 12\/2-in	(6)
5365-00-007-3414	Spacer, large	4
1670-01-247-2389	Link, suspension	
	Load spreader for honeycomb stack 2:	
5510-00-220-6146	Lumber, 2- by 4- by 8-in	6
5510-00-220-6448	Lumber, 2- by 6- by 24-in	6
5530-00-128-4981	Plywood, ¾- by 54- by 24-in	2
	Load spreader for honeycomb stack 3:	
5510-00-220-6146	Lumber, 2- by 4- by 36-in	1
5530-00-128-4981	Plywood, ¾- by 36- by 24-in	3
	Load spreader for honeycomb stack 4:	
	Lumber:	
5510-00-220-6146	2- by 4- by 46-in	2
5510-00-220-6274	4- by 4- by 96-in	2
5530-00-128-4981	Plywood, ¾-in:	
	4- by 96-in	2
	48- by 96-in	3
	Load spreader for honeycomb stack 5:	
	Lumber:	
5510-00-220-6146	2- by 4-in:	
	8-in	2
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	12-in	1
5510-00-220-6448	2- by 6- by 12-in	6
5530-00-128-4981	Plywood, ¾-in:	
	6- by 12-in	1
	36- by 66-in	2
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-010-4663	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	25 sheets
	8- by 96-in	(2)
	12- by 96-in	(6)
	18- by 9-in	(1)
	21- by 96-in	(1)
	24- by 24-in	(4)
	24- by 48-in	(10)
	24- by 96-in	(2)
	36- by 12-in	(9)
	36- by 24-in	(9)
	36- by 66-in	(5)
	54- by 24-in	(4)
	96- by 36-in	(9)
1670-01-016-7841	Parachute, cargo, G-11C	6
	Parachute, cargo extraction:	
1670-00-262-1797	28-ft or	1
1670-00-040-8135	28-ft, heavy duty	1
	Platform, airdrop, type V, 28-ft	1
	Bracket:	1
1670-01-162-2375	Inside Extraction Force Transfer Actuator (EFTA)	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis assembly	(50)
1670-01-162-2376	Extraction bracket assembly	(1)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
1670-01-162-2381	Tandem link	(2)
5530-00-128-4981	Plywood, ¾-in:	5 sheets
	4- by 96-in	(2)
	6- by 12-in	(1)
	12- by 36-in	(3)
	24- by 54-in	(2)
	36- by 66-in	(2)
	48- by 96-in	(3)
1670-01-097-8817	Release, cargo parachute, M-2	1
	Sling, cargo airdrop:	
	For antitumble slings:	
1670-01-062-6304	20-ft (2-loop), type XXVI nylon webbing	2
	For deployment line:	
1670-01-062-6304	9-ft (2-loop), type XXVI nylon webbing	1
	For lifting:	
1670-00-432-2507	16-ft (4-loop), type XXVI nylon webbing or	2
1670-00-003-7237	16-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6308	16-ft (4-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
	For suspension:	
1670-00-432-2499	3-ft (4-loop), type XXVI nylon webbing or	2
1670-01-062-6306	3-ft (4-loop), type XXVI nylon webbing	2
1670-00-432-2506	12-ft (4-loop), type XXVI nylon webbing or	1
1670-01-062-6307	12-ft (4-loop), type XXVI nylon webbing	1
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing or	2
1670-00-003-1956	20-ft (4-loop), type XXVI nylon webbing or	2
1670-00-432-2511	20-ft 94-loop), type XXVI nylon webbing	2
	For riser extensions:	
1670-062-63111	20-ft (2-loop), type XXVI nylon webbing	7
1670-00-432-24941	20-ft (3-loop), type XXVI nylon webbing	7
1670-00-040-8219	Strap, parachute release, multicut comes w 3 knives	2
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 7-1. Equipment Required for Rigging the M929, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	Suspension sling spreader:	
	Front, left:	
	Lumber:	
5510-00-220-6248	2- by 10- by 60-in	1
5510-00-220-6274	4- by 4-in:	
	29 ½-in	1
	31-in	1
	Front, right:	
	Lumber:	
5510-00-220-6248	2- by 10- by 60-in	1
5510-00-220-6274	4- by 4- by 30 ¾-in	3
	Rear:	
	Lumber:	
5510-00-220-6274	4- by 4-in:	
	17-in	2
	88-in	2
5530-00-128-4981	Plywood, ¾- by 48- by 80 ¾-in	2
7510-00-266-5016	Tape, adhesive, 2-in	As required
1670-00-937-0271	Tiedown assembly, 15-ft	63
	Webbing:	
8305-00-268-2411	Cotton, type I, ¼-inch	As required
8305-00-082-5752	Nylon, tubular, ½-in	As required
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

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Chapter 8

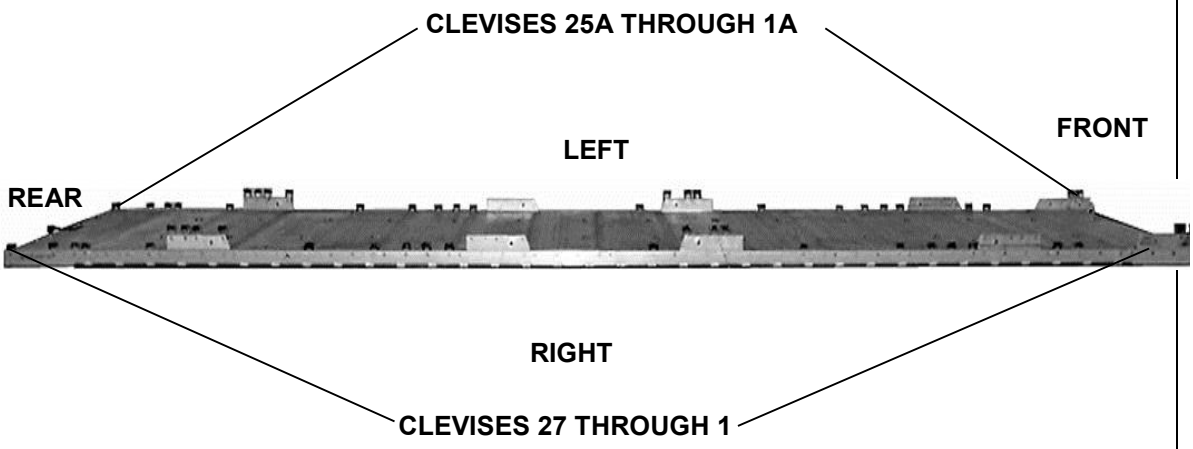
Rigging M929A2, 5-Ton Dump Truck on a 32-Foot Type V Platform for Low-Velocity Airdrop

DESCRIPTION OF LOAD

8-1. The M929A2, 5-ton dump truck is rigged on a 32-foot, type V airdrop platform with six G-11C cargo parachutes and other items of airdrop equipment. The M929 truck weights 23,600 pounds reducible to 22, 640 pounds. Its height is 124 ½ inches, reducible to 93 ½ inches. The width of the truck is 95 inches. The length of the truck is 273 inches. This truck may be delivered by low-velocity airdrop from C-130 or C-17 aircraft.

PREPARING PLATFORM

8-2. Prepare a 32-foot, type V airdrop platform as shown in Figure 8-1.



Steps:

30. Inspect or assemble and inspect a 32-foot, type V airdrop platform as outlined in TM 4-48.02/MCRP 4-11J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.
31. Staring at the front of the platform. Attach tandem links to bushing holes 1, 2, and 3.
32. Attach the first suspension link to bushing holes 10, 11, and 12 on each side of the platform. Attach the second suspension link to holes 26, 27, and 28 on each side of the platform. Attach the third suspension link to holes 37, 38, and 39 on each side of the platform. Attach the fourth suspension link to holes 53, 54, and 55 on each side of the platform.
33. Install a clevis on bushings 1and 2 of each front tandem link.
34. Install a clevis on bushings 2, 3, and 4 on the second suspension links.
35. Install a clevis on bushings 1, 2, 3, and 4 on the fourth suspension links.
36. Starting at the front of each platform side rail, install clevises on each platform side rail using the bushings bolted on holes 7, 8, 13, 14, 15, 17, 22, 30, 41, 42, 43, 45, 48, 57, 60, 61, 62. and 64.
37. Start at the front of the platform, number the clevises bolted to the right side from 1 through 25 and those bolted to the left side from 1A through 25A.
38. . Starting at the front of the platform side rails, number the clevises attached to the right side rail 1 through 27 and 1A through 27A to the left rail.

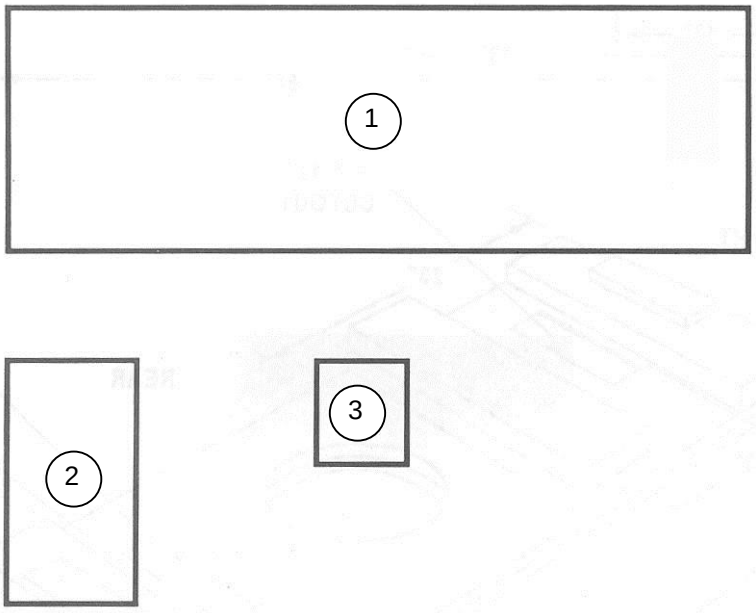
Figure 8-1. Platform Prepared

BUILDING AND POSITIONING HONEYCOMB

8-3. Build and position the honeycomb stacks as described below.

- Build the load spreaders for the honeycomb stacks as described in Figures 8-2 through 8-9.
- Build the honeycomb stacks as shown in Figure 8-10 through 8-14. Glue the layers of the honeycomb together. Do NOT glue the stacks to the platform.
- Position the honeycomb stacks on the platform as shown in Figure 8-15.

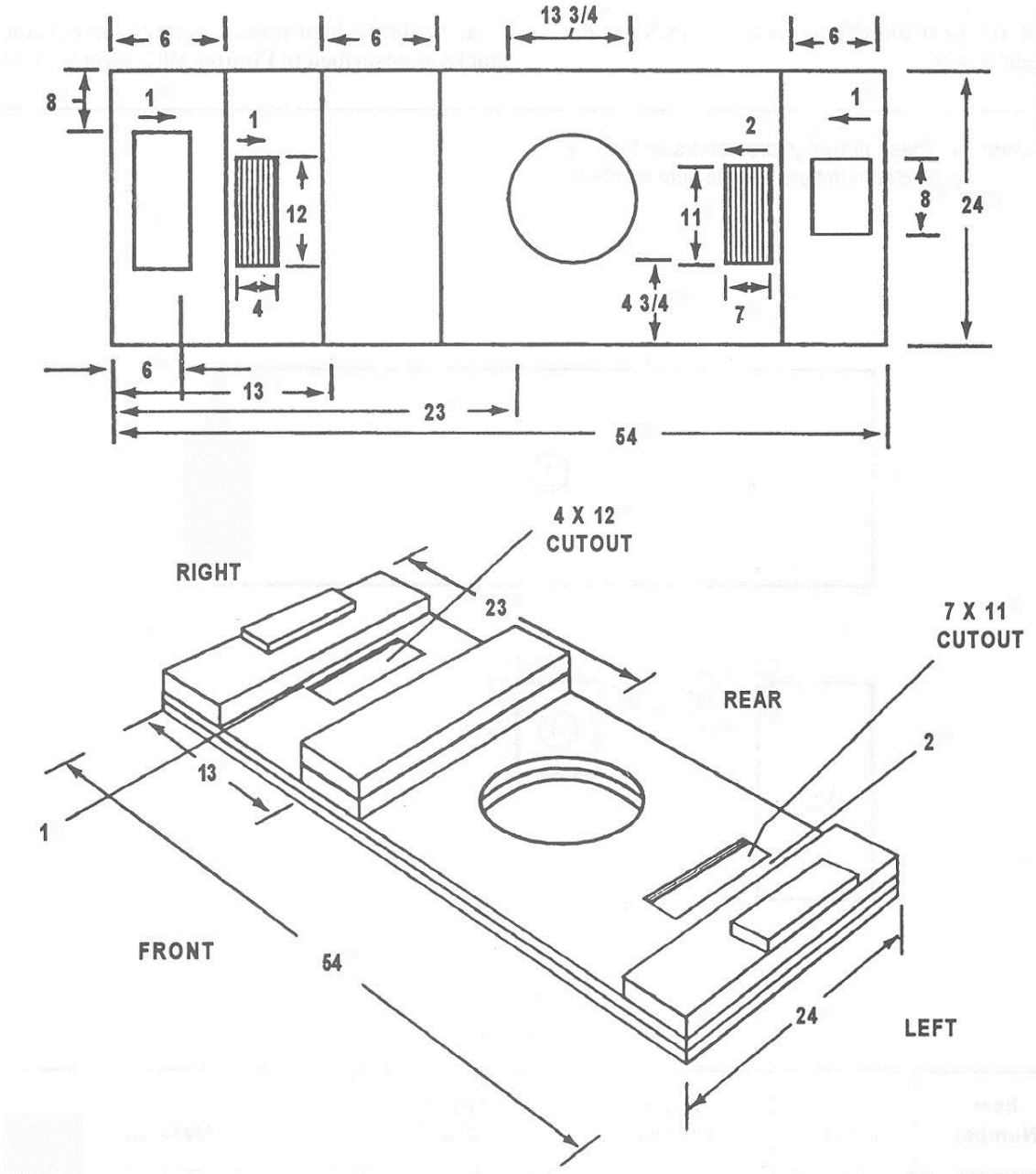
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	54	24	¾-inch plywood
2	4	5 ½ (actual)	24	2- by 6-inch lumber
3	2	3 ½ (actual)	8	2- by 4-inch lumber

Figure 8-2. Material Required for Load Spreader for Honeycomb Stack 2

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.

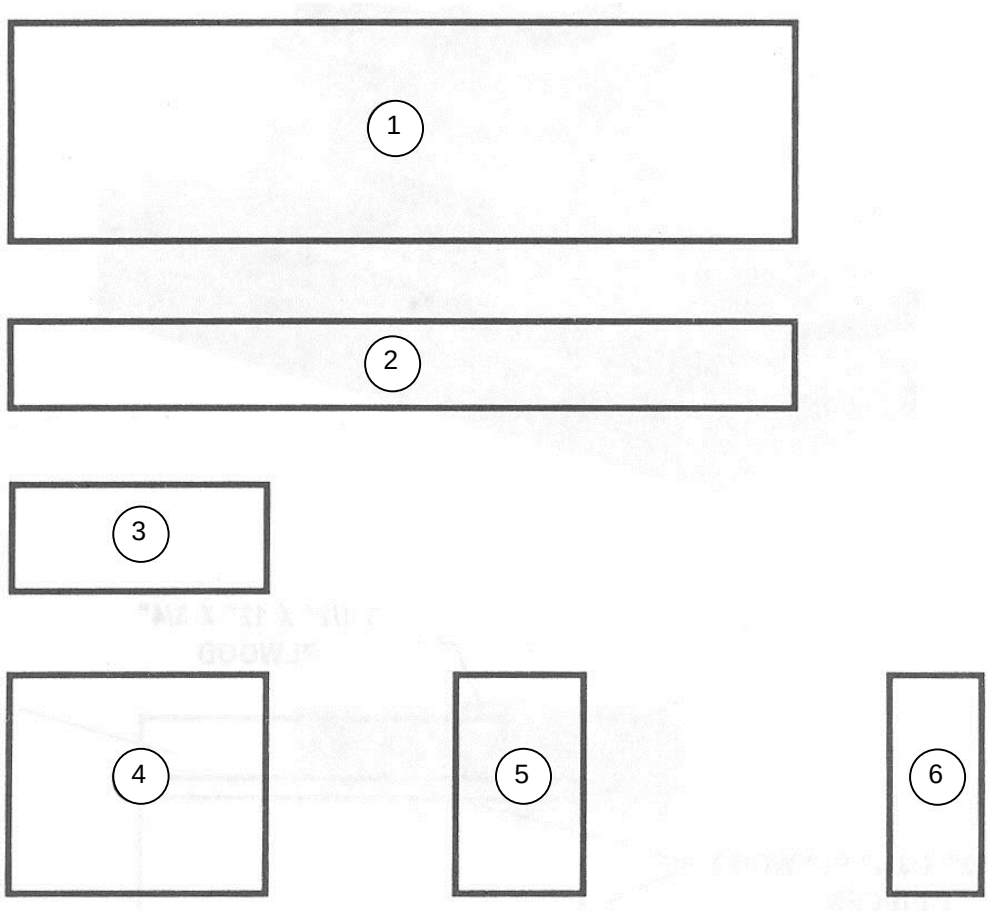


Steps:

39. Construct the load spreader for honeycomb stack 2 as shown.
40. Secure the plywood and lumber in place as shown with sixteen penny nails.

Figure 8-3. Load Spreader for Honeycomb Stack 2 Constructed

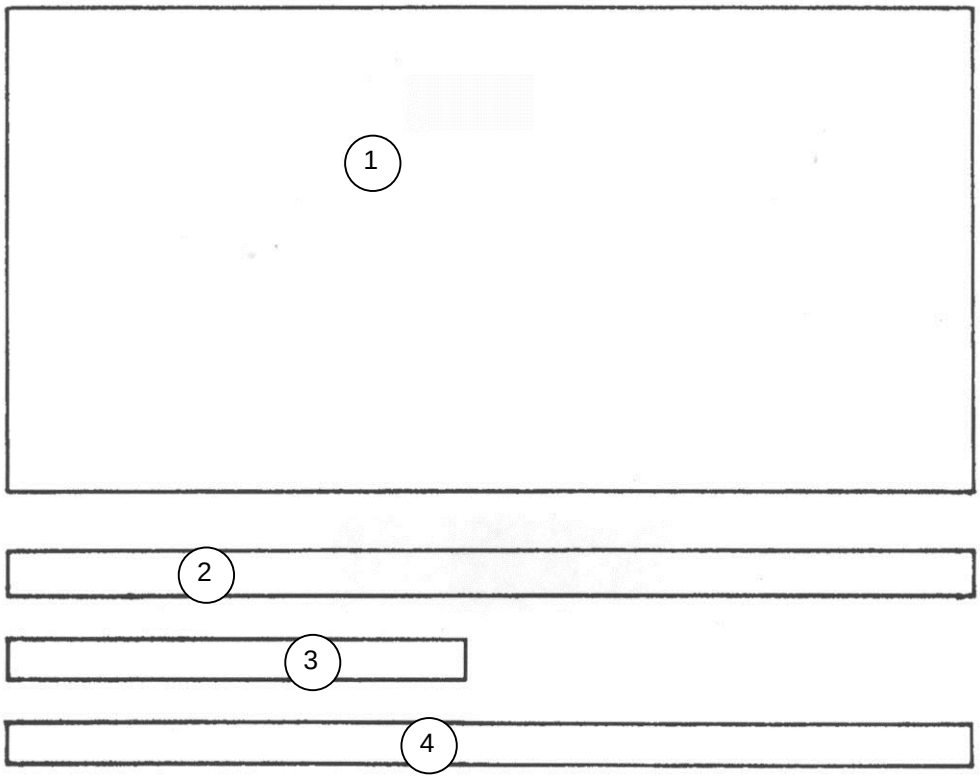
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	12	36	¾-inch plywood
2	2	3 ½	36	2- by 4-inch lumber
3	4	3 ½	12	4- by 4-inch lumber
4	2	12	12	¾-inch plywood
5	1	2- by 8	12	¾-inch plywood
6	1	3 ½	12	¾-inch plywood

Figure 8-4. Material Required for Load Spreader for Honeycomb Stack 3

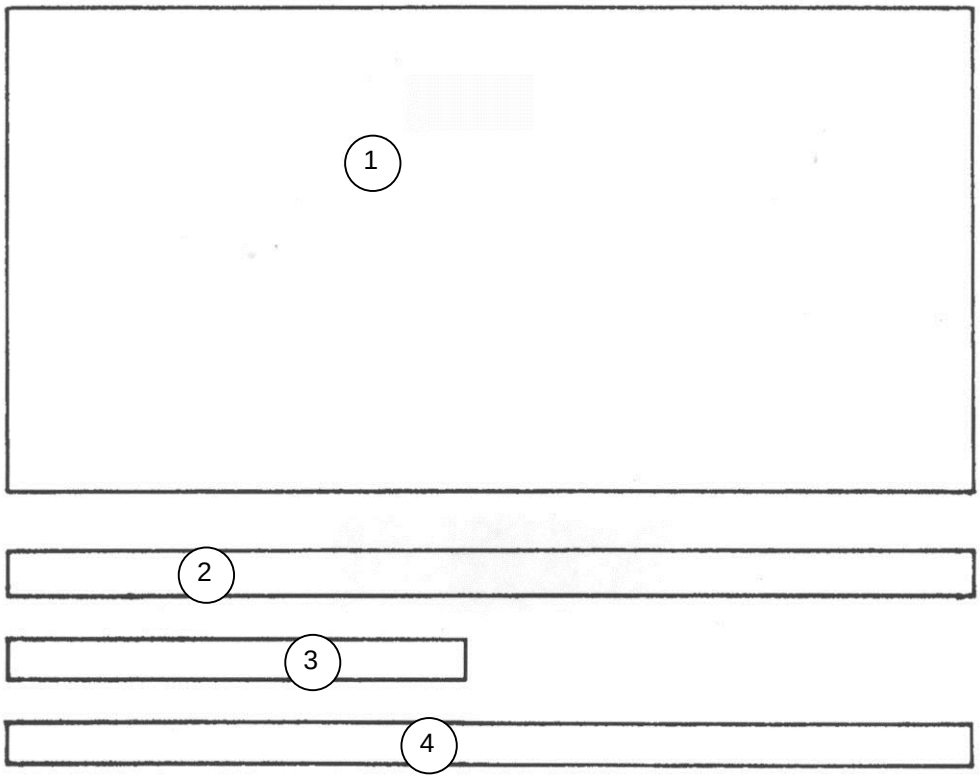
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	48	94	¾-inch plywood
2	2	4	94	¾-inch plywood
3	2	3 ½ (actual)	46	2- by 4-inch lumber
4	2	3 ½ (actual)	94	4- by 4-inch lumber

Figure 8-5. Load Spreader for Honeycomb Stack 3 Constructed

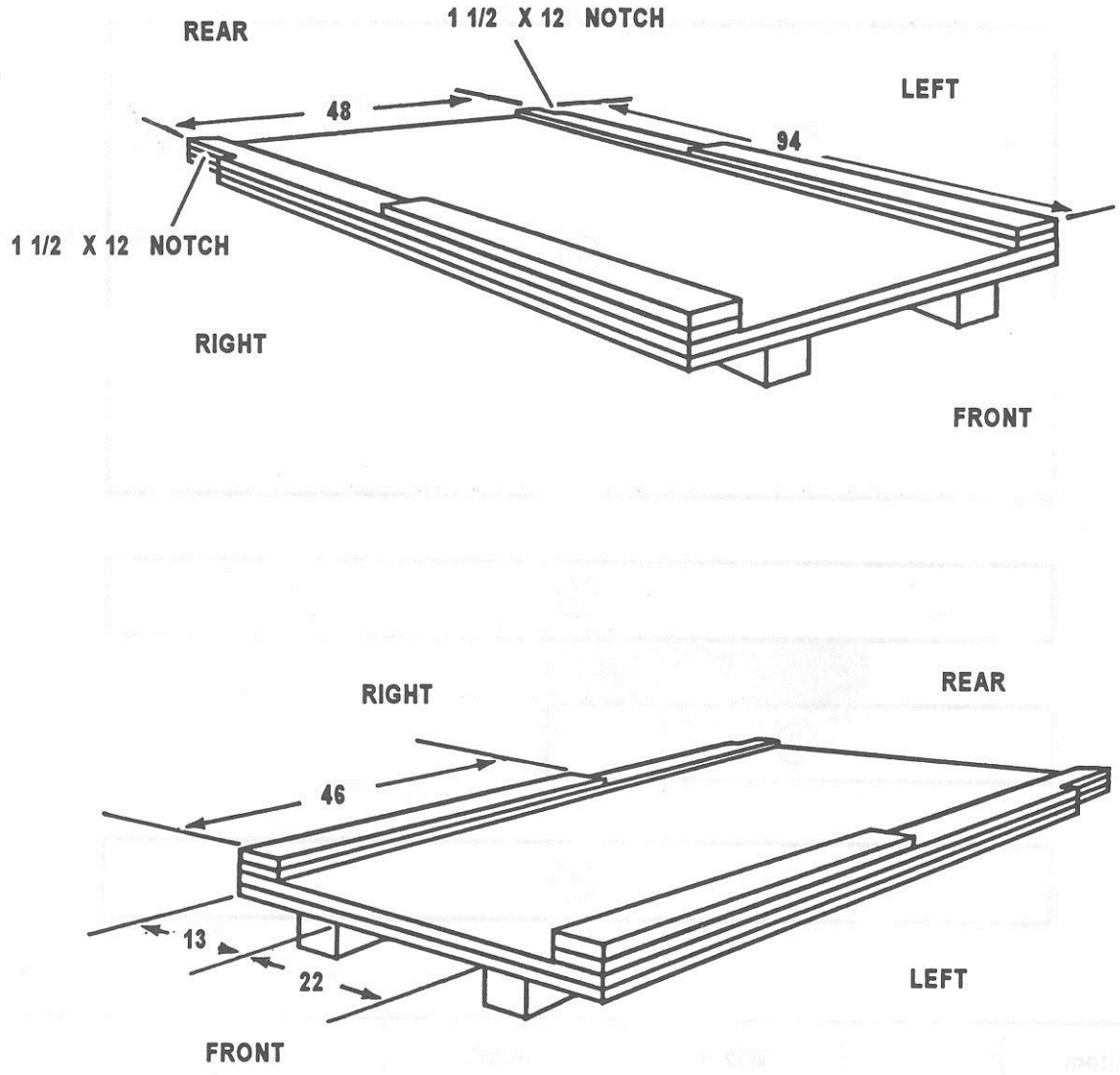
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	48	94	¾-inch plywood
2	2	4	94	¾-inch plywood
3	2	3 ½ (actual)	46	2- by 4-inch lumber
4	2	3 ½ (actual)	94	4- by 4-inch lumber

Figure 8-6. Material Required for Load Spreader for Honeycomb Stack 4

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.

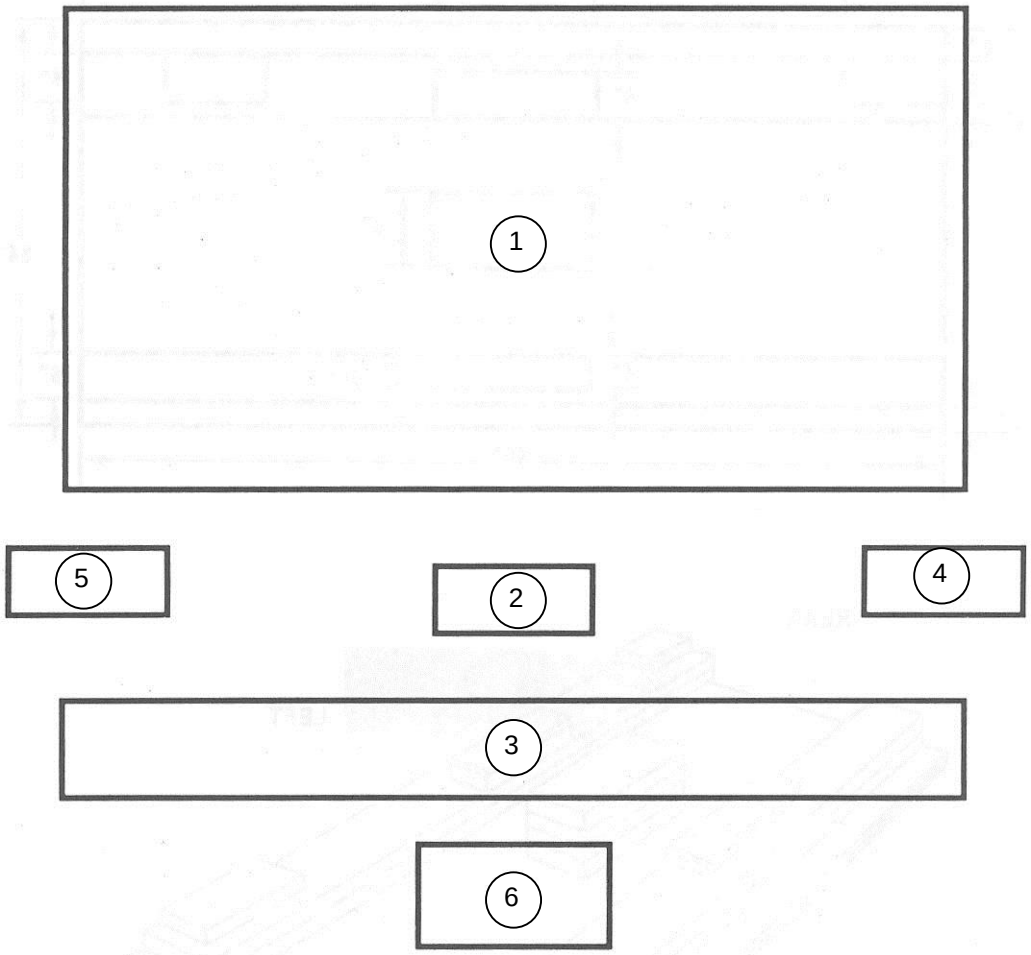


Steps:

41. Construct the load spreader for honeycomb stack 4 as shown.
42. Secure the plywood and lumber in place as shown with eight penny nails.

Figure 8-7. Load Spreader for Honeycomb Stack 4 Constructed

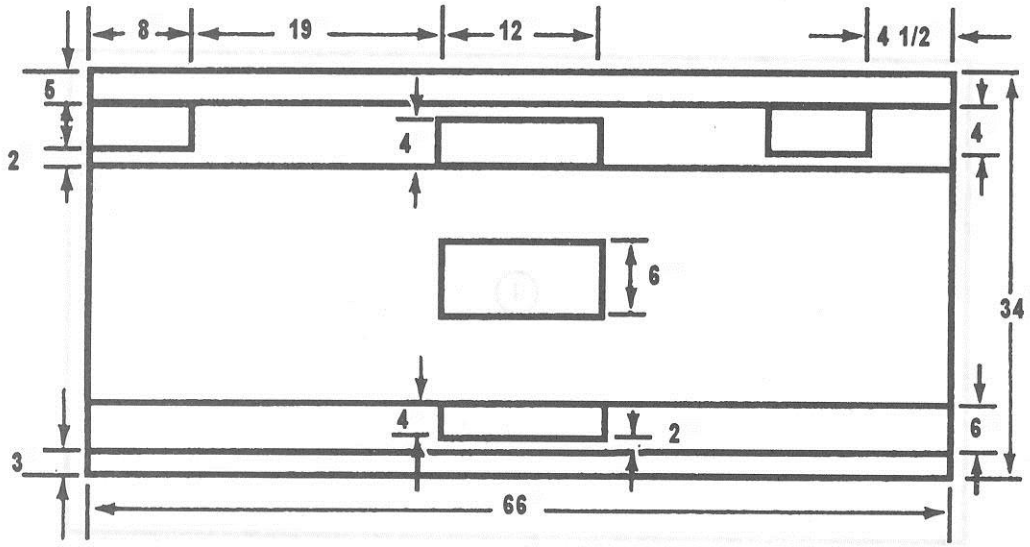
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.

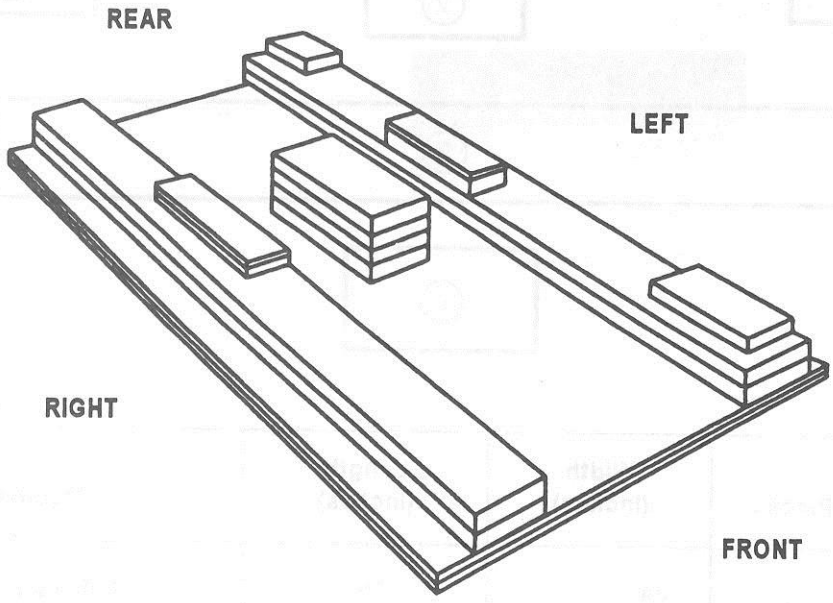


Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	2	34	66	¾-inch plywood
2	2	3 ½	12	¾-inch plywood
3	4	5 ½ (actual)	66	2- by 6-inch lumber
4	2	5 ½	66	2- by 6-inch lumber
5	2	3 ½ (actual)	8	2- by 4-inch lumber
6	4	5 ½	12	2- by 4-inch lumber

Figure 8-8. Material Required for Load Spreader for Honeycomb Stack 5

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.

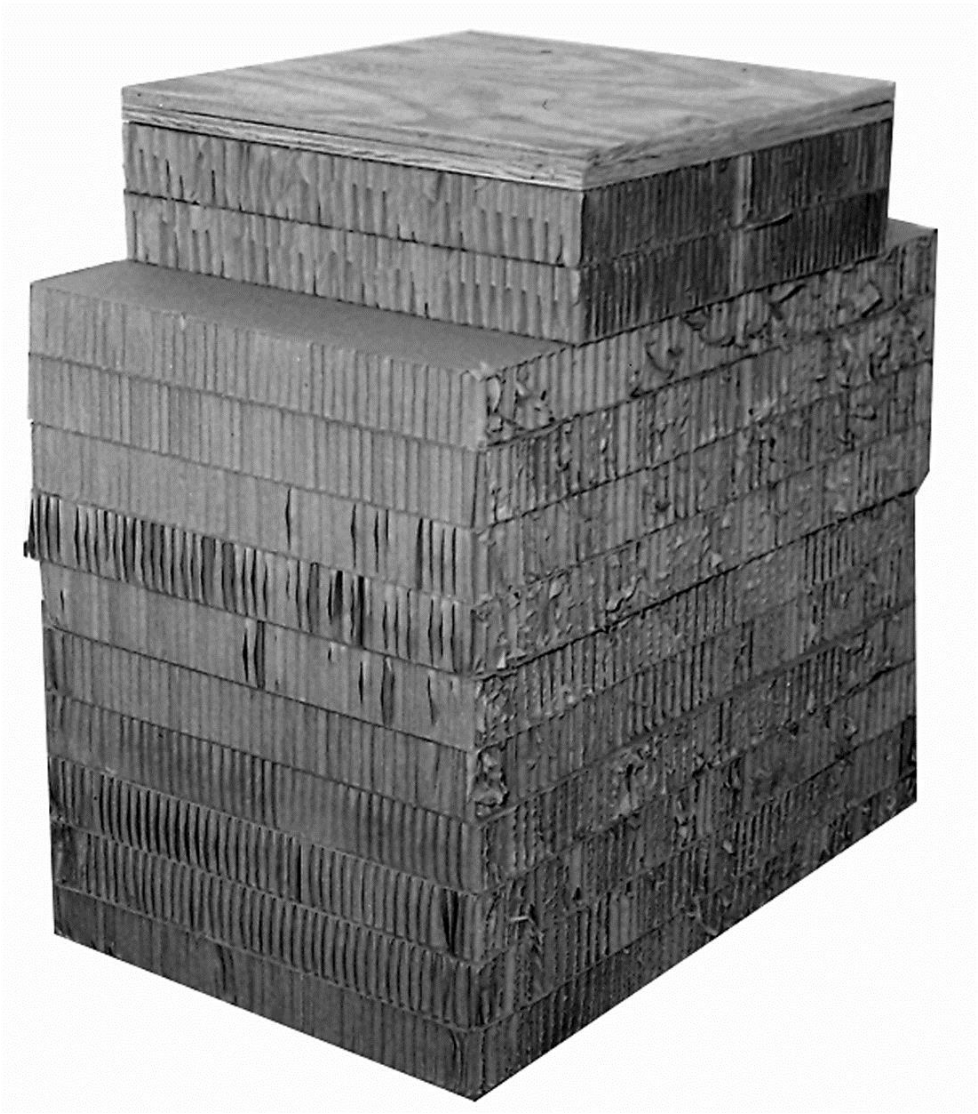




Steps:

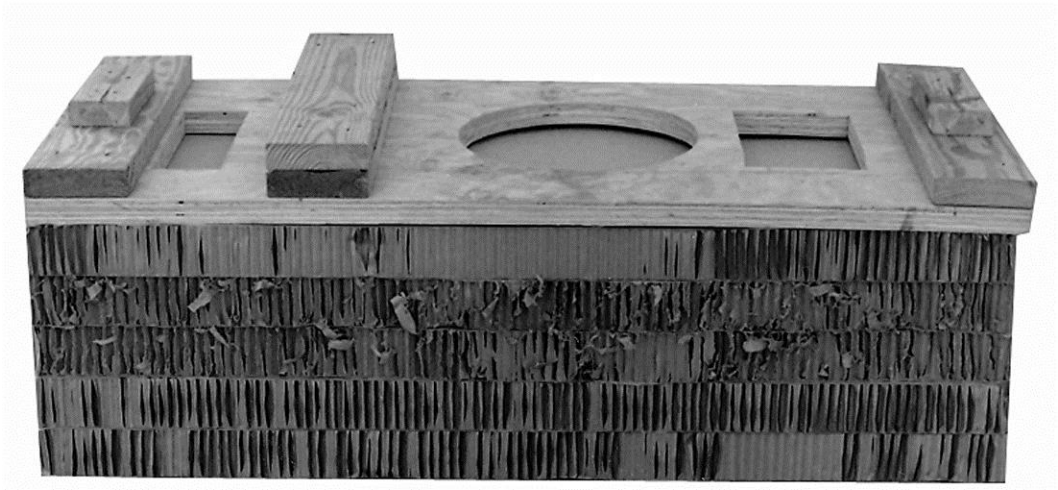
43. Construct the load spreader for honeycomb stack 5 as shown.
44. Secure the plywood and lumber in place as shown with eight penny and 16 penny nails.

Figure 8-9. Load Spreader for Honeycomb Stack 5 Constructed



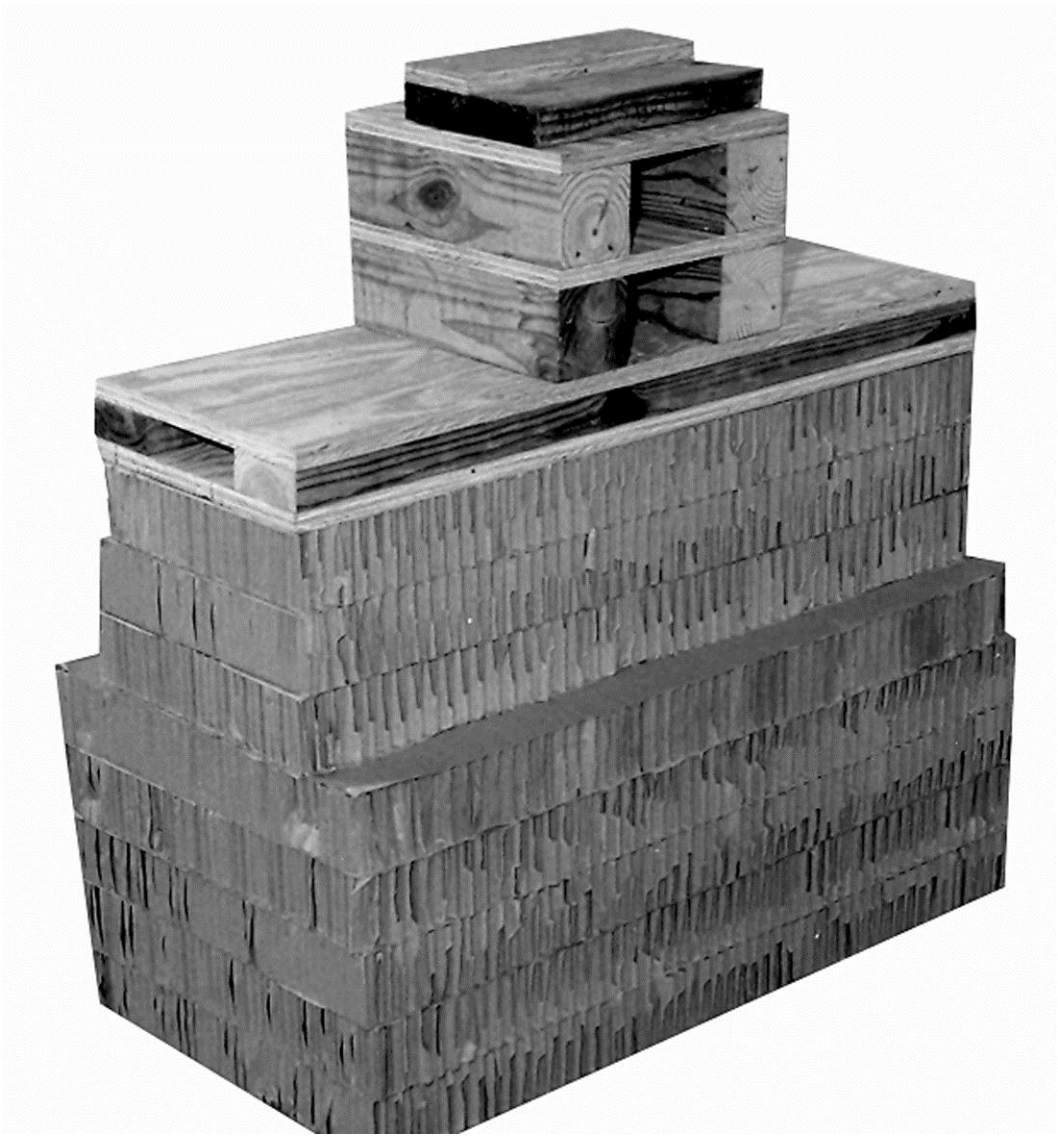
Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
1	10	36	24	Honeycomb	Place honeycomb as the base.
	2	24	24	Honeycomb	Center honeycomb on top of the base.
	2	24	24	¾-inch plywood	Center plywood on top of 24- by24-inch honeycomb.

Figure 8-10. Honeycomb Stack 1 Prepared



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
2	5	54	24	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the 54- by 24-inch honeycomb.

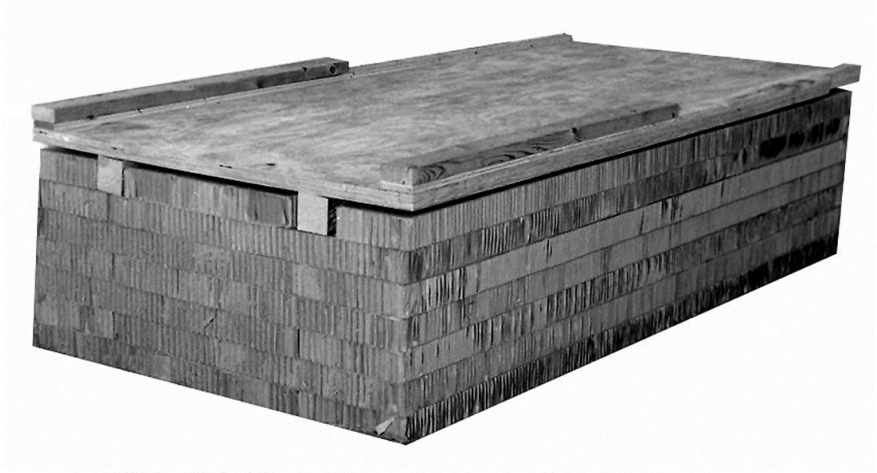
Figure 8-11. Honeycomb Stack 2 Prepared

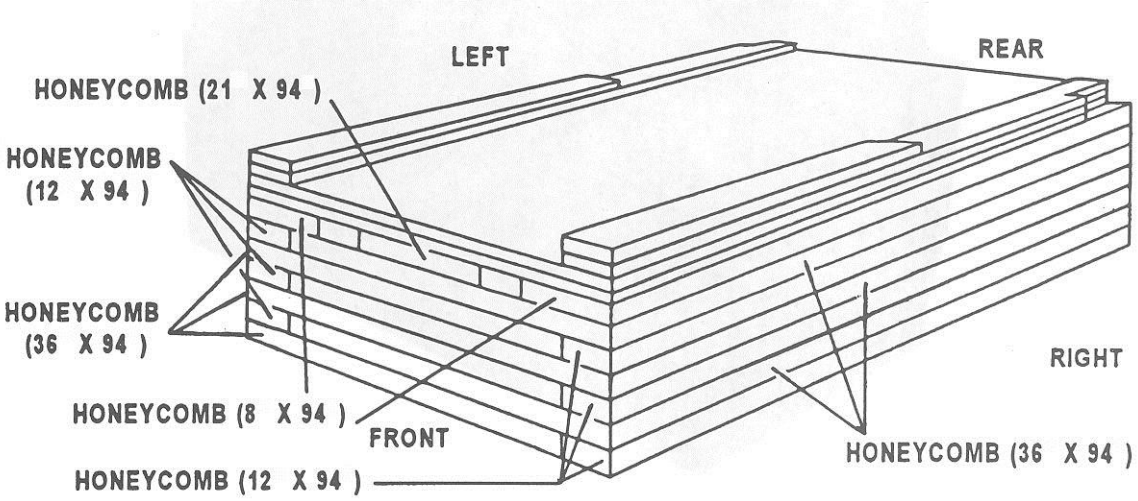


Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
3	5 3	36 36	18 12	Honeycomb Honeycomb Load Spreader	Place honeycomb as the base. Place honeycomb as the base. Place load spreader on top of the base

Figure 8-12. Honeycomb Stack 3 Prepared

Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.





Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
4	6	36	94	Honeycomb	Place honeycomb as base.
	6	12	94	Honeycomb	Place honeycomb as base.
	1	21	94	Honeycomb	Center honeycomb on top of the base.
	2	8	94	Honeycomb	Place one piece of honeycomb on each side of the base even with the 94-inch edge.
				Load Spreader	Place load spreader on top of the base

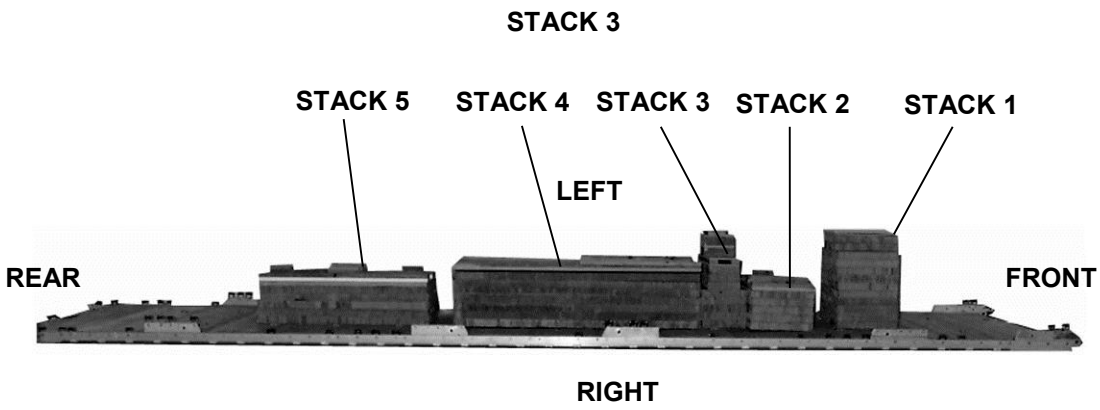
Figure 8-13. Honeycomb Stack 4 Prepared



Stack Number	Pieces	Width (Inches)	Length (Inches)	Material	Instructions
5	5	34	66	Honeycomb Load Spreader	Place honeycomb as the base. Place load spreader on top of the base

Figure 8-14. Honeycomb Stack 5 Prepared

Note. The honeycomb may need to be adjusted slightly when the truck is positioned on the stacks.



Stack Number	Position of Stack on Platform
	Place stack:
1	Centered 54 ½ inches from the front edge of the platform.
2	Centered 9 ½ inches from the rear of stack 1.
3	Centered flush against the rear of stack 2.
4	Centered flush with rear of stack 3.
5	Centered 10 ½ inches from the rear of stack 4.

Figure 8-15. Honeycomb Stacks Positioned on Platform

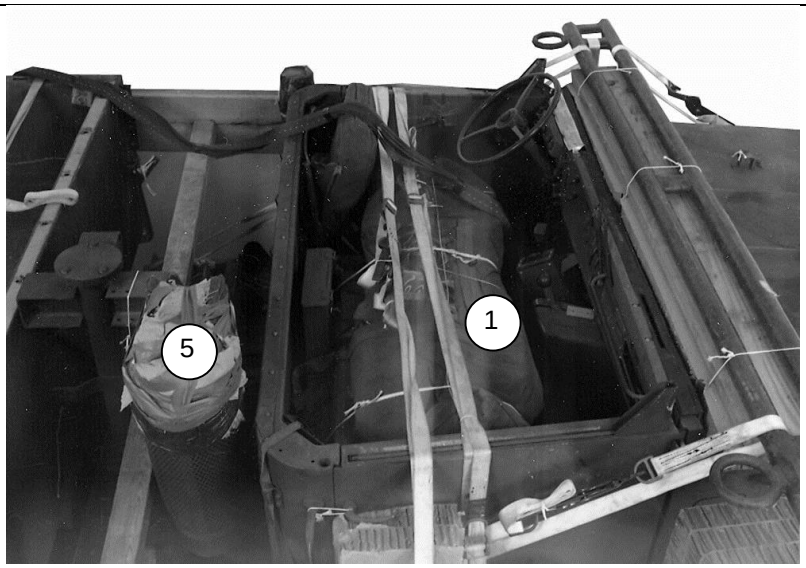
REMOVING TRUCK COMPONENTS

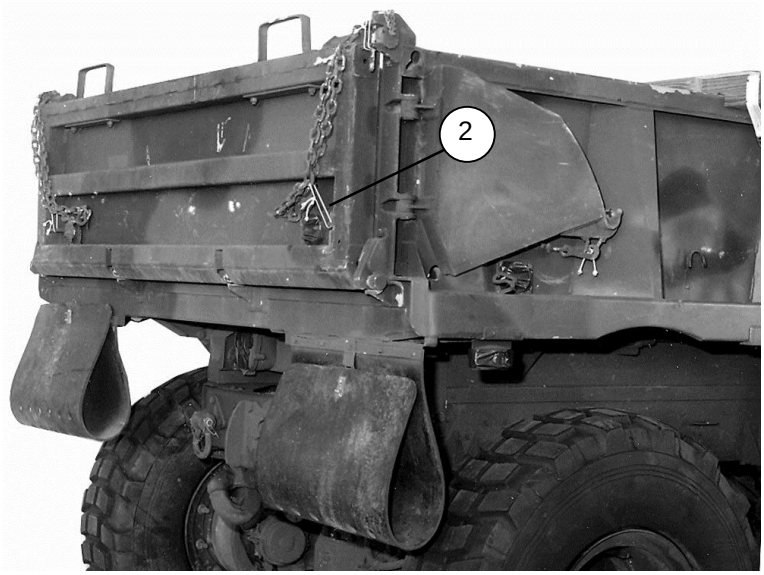
8-4. Remove the hardtop cab cover and canvas top, cargo body cover, mirror assemblies, air intake cap windshield, spare tire and tray holder, and exhaust stack assemblies according to TM 9-2320-272-10.

PREPARING TRUCK

8-5. Prepare the truck as shown in Figure 8-16 and as described below.

- Reduce the tire pressure in all tires to 12 pounds per square inch.
- Make sure the fuel tank is not more than ¾ full.





① Store the mirrors, exhaust pipe, intake cape, spare tire tray, and taped nuts and bolts in the cab cover. Place all parts on the front seat and secure with ½-inch tubular nylon.

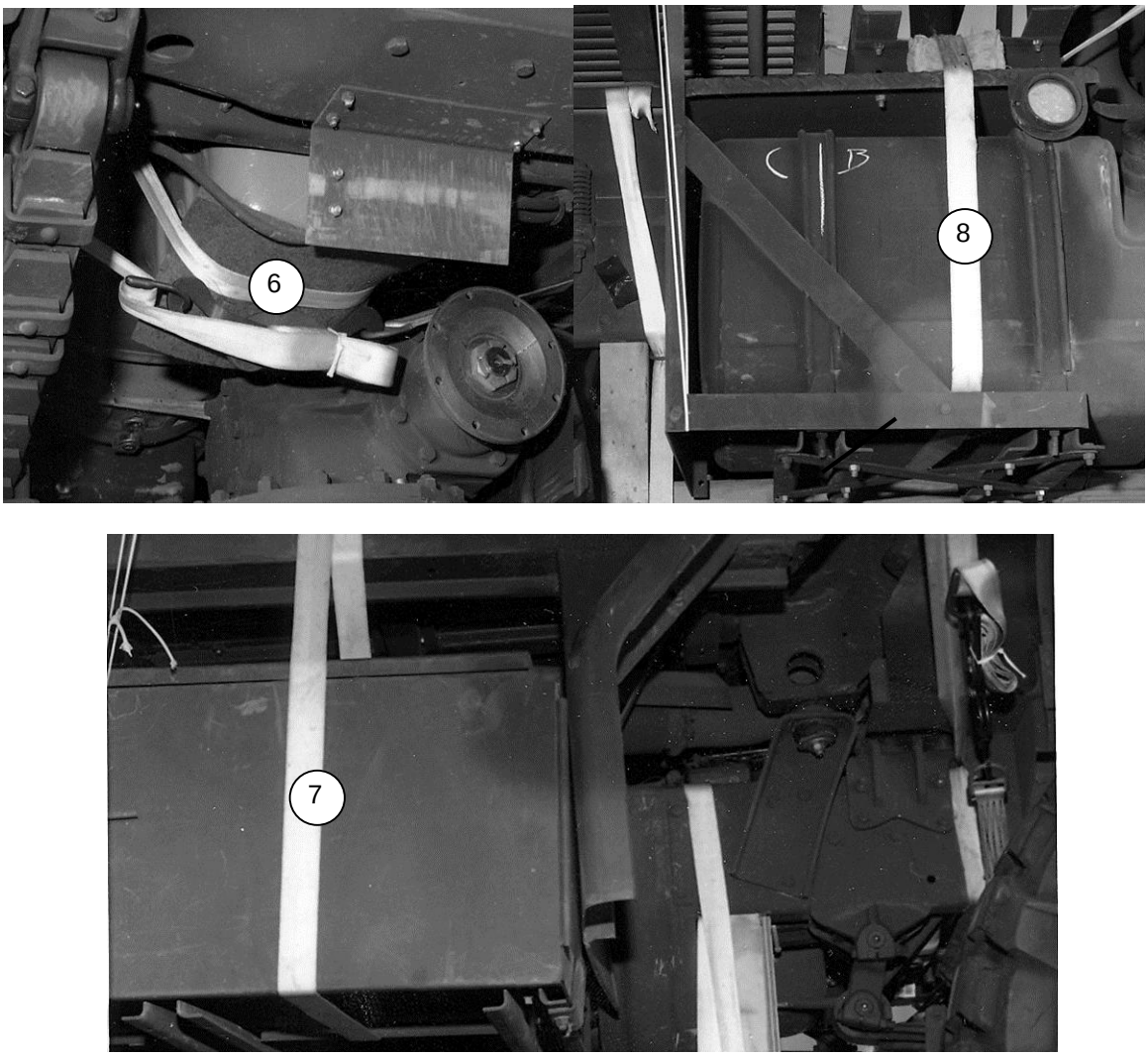
② Place the tailgate in the up position. Safety the tailgate with type III nylon cord on the hinges and chains.

③ Tie the hood shut, doors, spreading chains, dump release handle in the closed position, steering wheel, spread flaps, and hood latch bar with type III nylon cord (not shown).

④ Tape all lights and glass objects with pressure sensitive tape (not shown).

⑤ Pad and tape the exhaust pipe and air intake pipe with cellulose wadding and pressure sensitive tape.

Figure 8-16. Truck Prepared



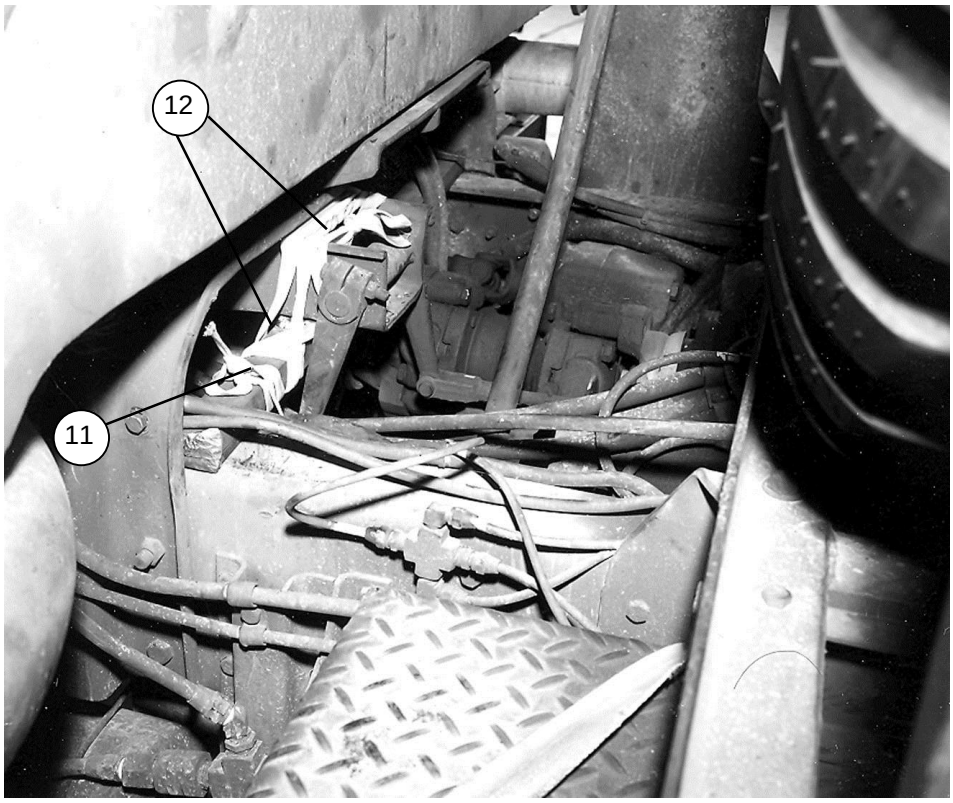
⑥ Pad the front and rear of the oil pan with felt. Run a 15-foot tiedown lashing around the front and a 15-tiedown around the rear of the oil pan and main frame. Secure both lashings with D-rings and load binders.

⑦ Secure the ovm box and the air cleaner assembly by running a 45-foot tiedown lashing around the ovm box and air cleaner, up across both cab doors. Secure the lashing in the cab of the truck with a D-ring and a loadbinder.

⑧ Secure each fuel tank with a 15-foot tiedown assembly and cellulose wadding .

Figure 8-16. Truck Prepared (continued)





⑨ Construct the components of a cab support bar using a 7/16- by 1 ½- by 7 1/8-inch piece of steel, a ¾- by 1 ½ by 34-inch piece of steel, and a 7/16- by 1 ½ by 34-inch piece of steel.

Note. The 34-inch piece of steel must be 1 3/16-inch thick. A single piece or a combination of pieces may be used to get the correct thickness. The unit will supply this item.

⑩ Weld the pieces of steel together as shown.

Note. The bar must be positioned from the right side of the truck.

⑪ Slide the bar in place with the 7 1/8-inch piece of steel up and with one end of the bar over each mainframe rail and the bar under the transfer link assembly support. The 7 1/8-inch metal plate must be closest to the left side of the truck.

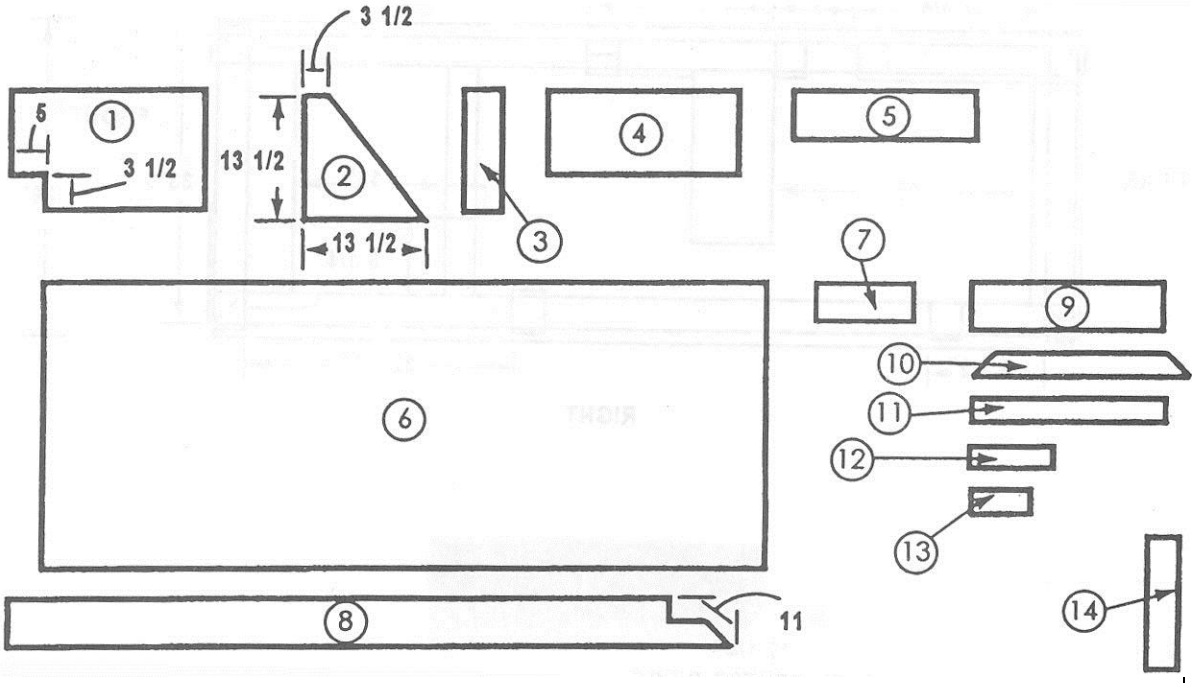
⑫ Tie each of the bar securely in place with several turns of ½-inch tubular nylon webbing.

Figure 8-16. Truck Prepared (continued)

BUILDING FRAME SUPPORT

8-6. Use the material in Figure 8-17 to build the frame support. Build the frame support as shown in Figure 8-18. Install the frame support as shown in Figure 8-19.

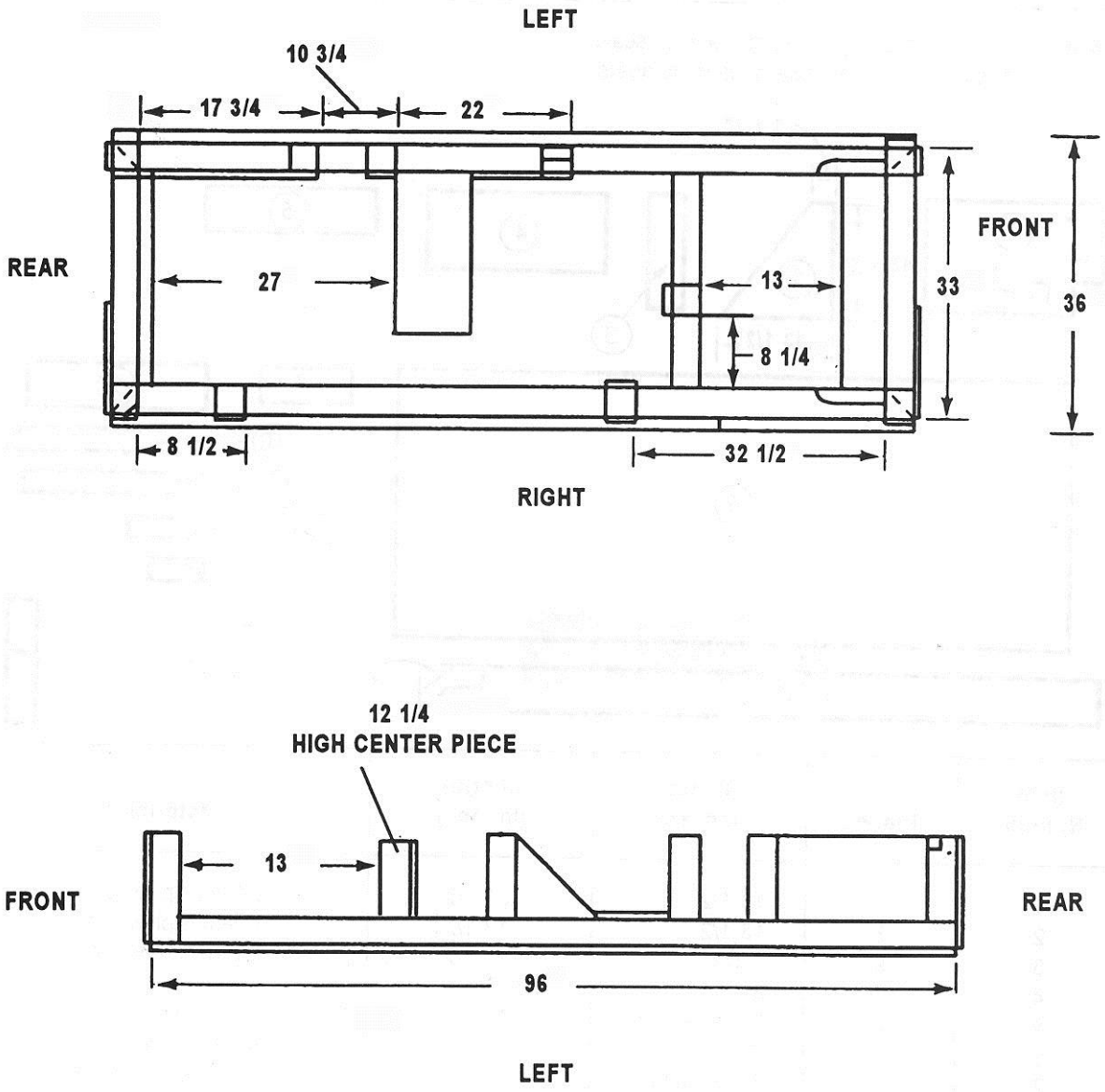
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	13 ½	21 ½	¾-inch plywood
2	3	13 ½	13 ½	¾-inch plywood
3	9	3 ½	13 ½	¾-inch plywood
4	1	8 ½	20	¾-inch plywood
5	2	3 ½ (actual)	20	2- by 4-inch lumber
6	1	36	96	¾-inch plywood
7	2	3 ½ (actual)	10 ¼	2- by 4-inch lumber
8	2	3 ½ (actual)	96	4- by 4-inch lumber
9	1	5 ½ (actual)	26	2- by 6-inch lumber
10	2	3 ½ (actual)	26	4- by 4-inch lumber
11	2	3 ½ (actual)	26	2- by 4-inch lumber
12	8	3 ½ (actual)	10	2- by 4-inch lumber
13	1	3 ½ (actual)	12 ¼	4- by 4-inch lumber
14	1	3 ½	13 ¾	¾-inch plywood

Figure 8-17. Material Required for Frame Support

Note. 1. All dimensions are given in inches.
2. This drawing is not drawn to scale.



Steps:

45. Construct frame support as shown.
46. Secure the lumber in place, as shown, with eight penny and sixteen penny nails.

Figure 8-18. Frame Support Constructed

Note. 1. Circled numbers refer to item numbers in Figure 8-17.
2. This drawing is not drawn to scale.

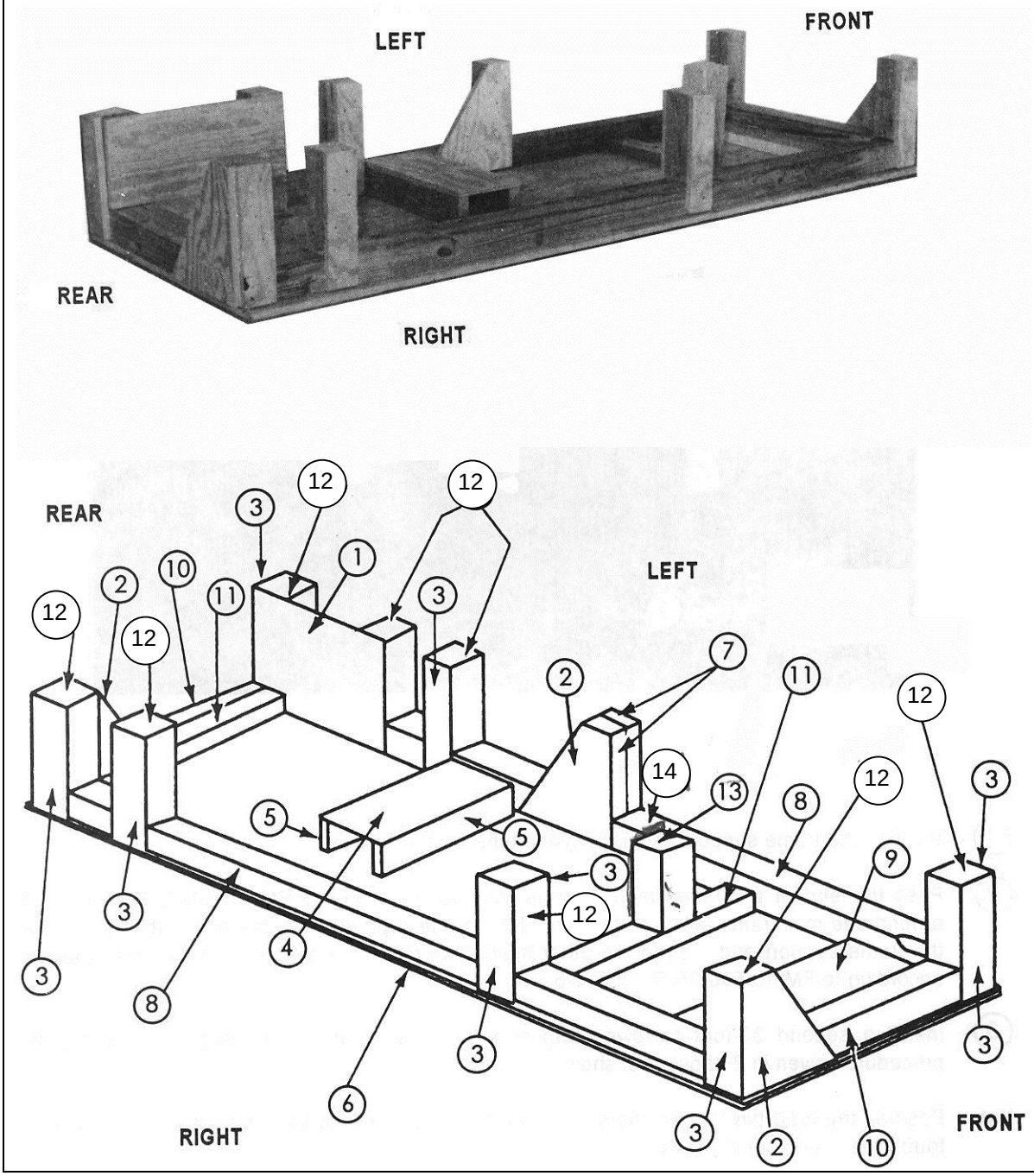
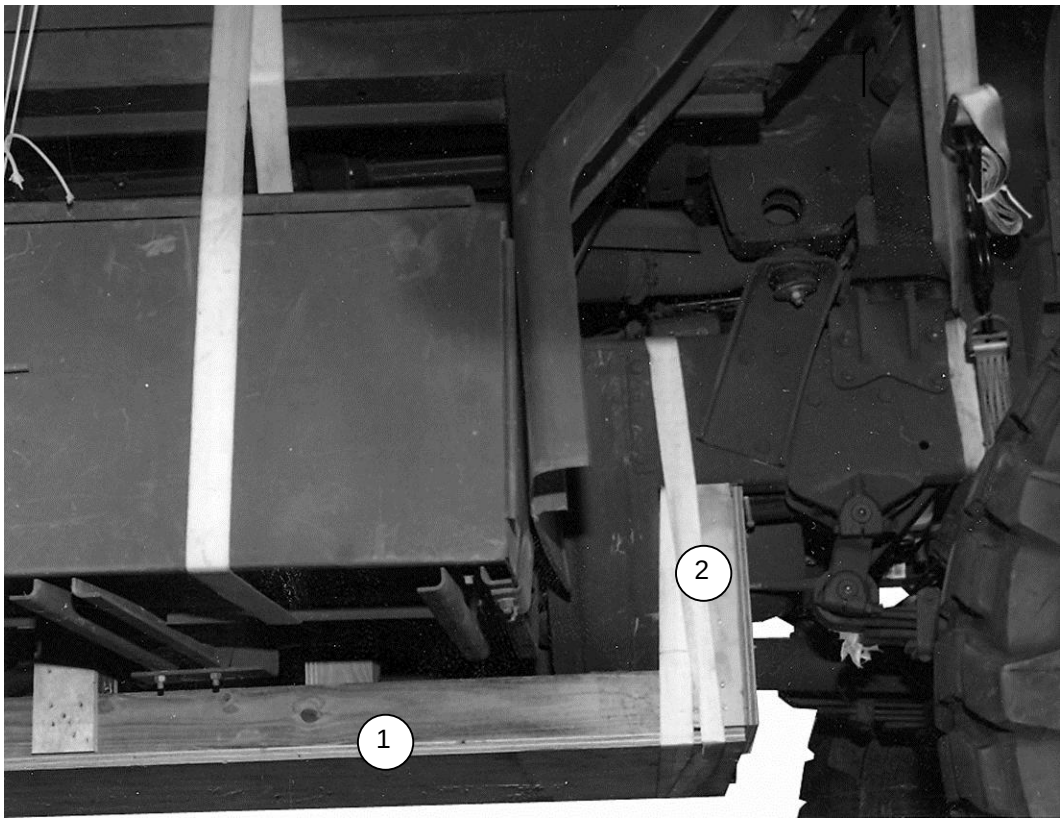


Figure 8-18. Frame Support Constructed (continued)

CAUTION

Ensure the frame support is not placed on hydraulic lines.



① Position the frame support under the mainframe as shown.

② Pass the end of a 30-foot tiedown strap (formed according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5) around one mainframe rail near the front of the frame support. Pass the end of the strap under the frame support and around the other mainframe rail. Hook the ends of the straps together according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

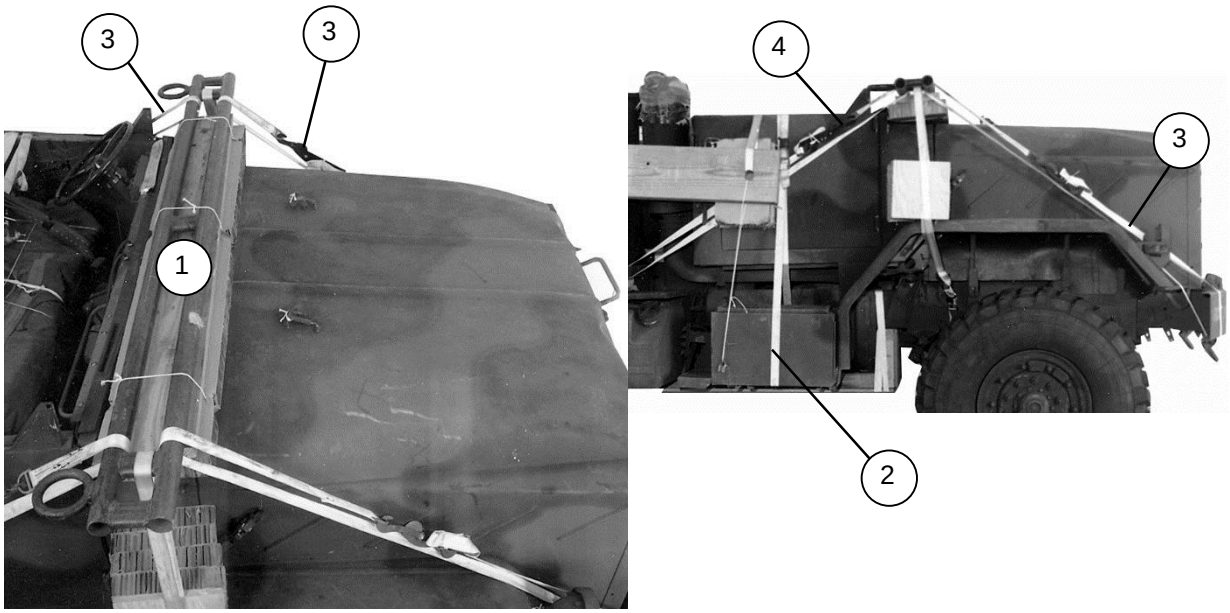
③ Install a second 30-foot tiedown strap near the rear of the frame support adapting the procedures given in 2 above. (not shown).

Note. Position the load binders on the side of the frame support so that the load binders will not touch the honeycomb stack.

Figure 8-19. Frame Support Installed

BUILDING AND INSTALLING FRONT SLING SPREADER

8-7. Build and install the front sling spreader as shown in Figure 8-20.



① Place a 12- by 80-inch piece of honeycomb across the hood of the truck. Place a 10- by 80-inch piece of lumber on top of the honeycomb. Position an Attitude Control Bar (ACB) on top of the 10- by 80-inch piece of lumber. Tie the ACB, lumber, and honeycomb with type III nylon cord in three places.

② Place four pieces of 12- by 12-inch honeycomb ond one piece of 12- by 12-inch plywood on the body of each side of the truck for support. Run a lashing around the main frame, over the plywood and through the square hole of the ACB. Secure the lashing with a D-ring and a load binder. Repeat on the other side of the truck.

③ Run a 15-foot lashing around the forward bar of the ACB and the front buper on both sides of the truck. Secure the lashing with a load binder and D-ring.

④ Run a 15-foot lashing around the aft bar of the ACB and the tire bracket on the right side of the truck. Secure the lashing with a load binder and D-ring.

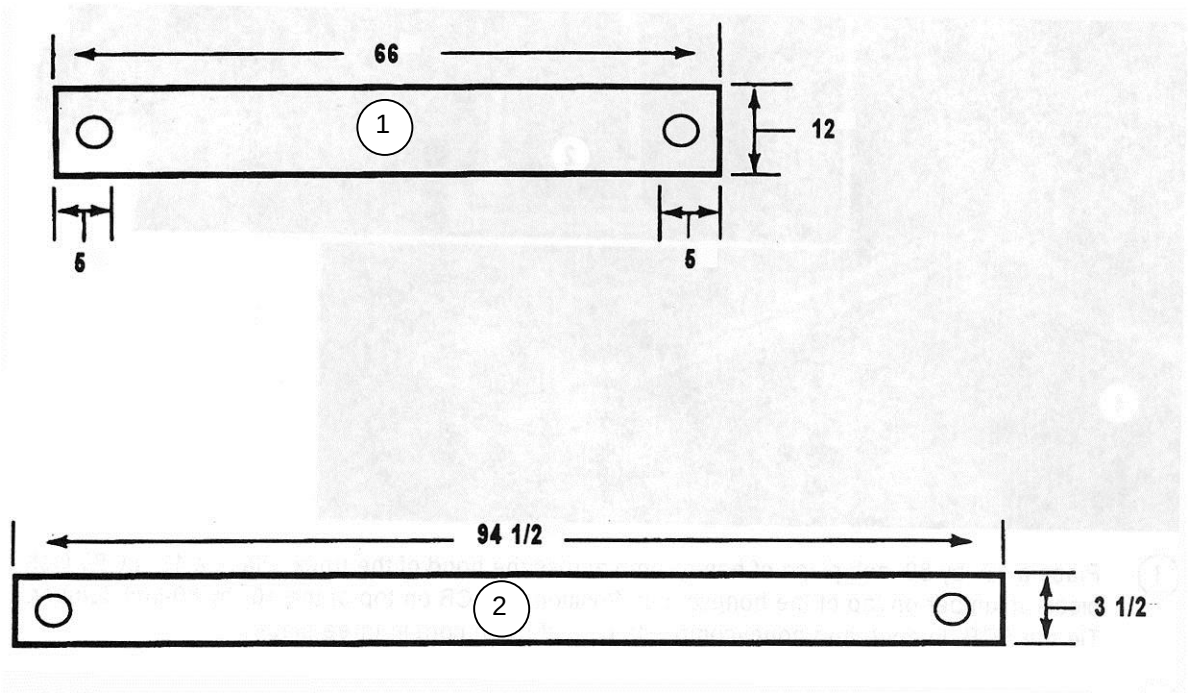
⑤ Run a 15-foot lashing around the aft bar of the ACB behind the air intake pipe, and around the spare tire bracket on the left side of the truck. Secure the lashing with a load binder and D-ring.

Figure 8-20. Front Sling Spreader Built and Installed

BUILDING AND INSTALLING MIDDLE SLING SPREADER

8-8. Build the middle sling spreader as shown in Figures 8-21 and 8-22 and install the middle sling spreader as shown in Figure 8-23.

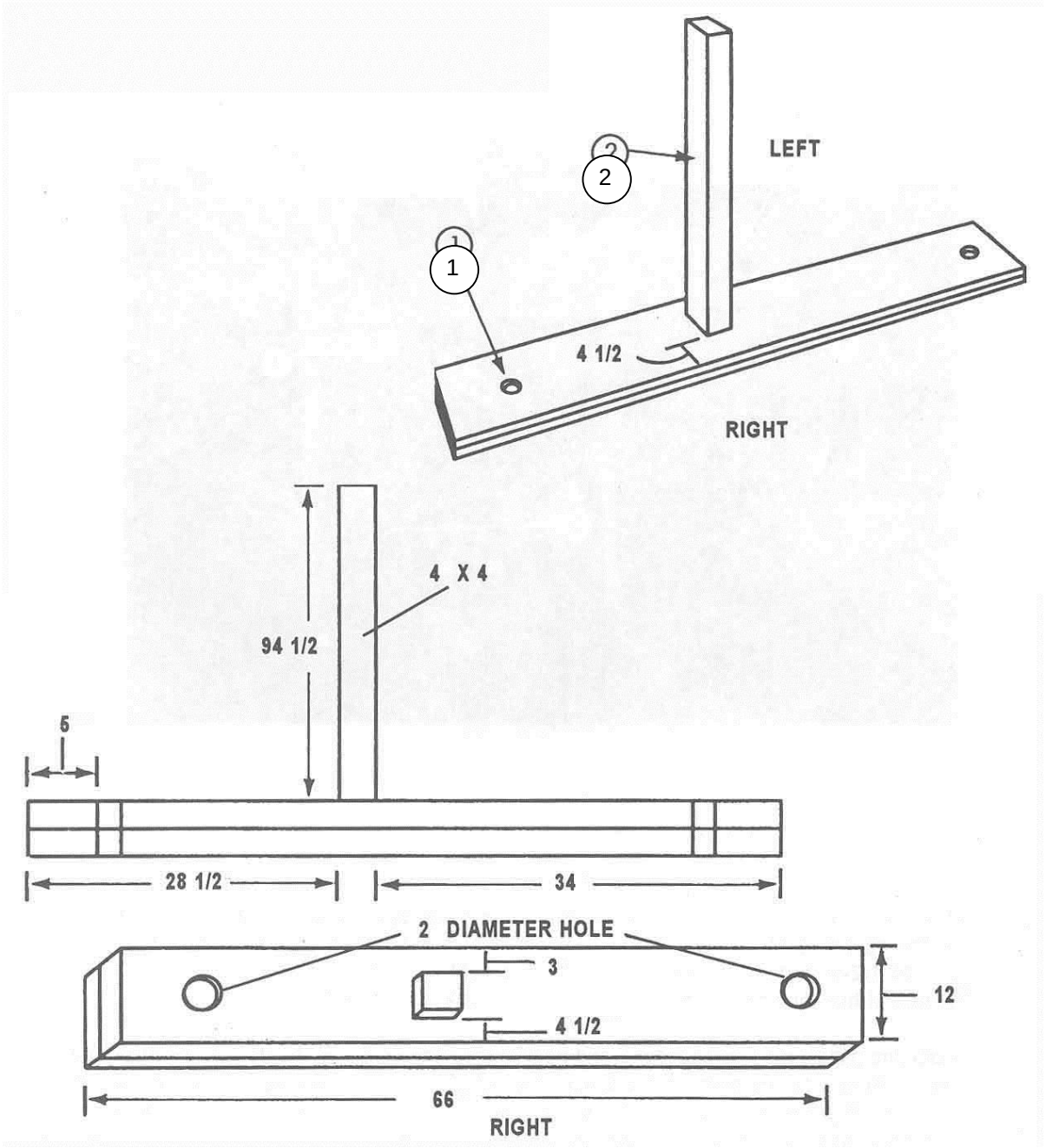
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.
3. All dimensions are given in inches



Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	4	11 ¼ (actual)	66	2- by 12-inch lumber
2	1	3 ½ (actual)	94 ½	4- by 4-inch lumber

Figure 8-21. Material Required for the Middle Sling Spreader

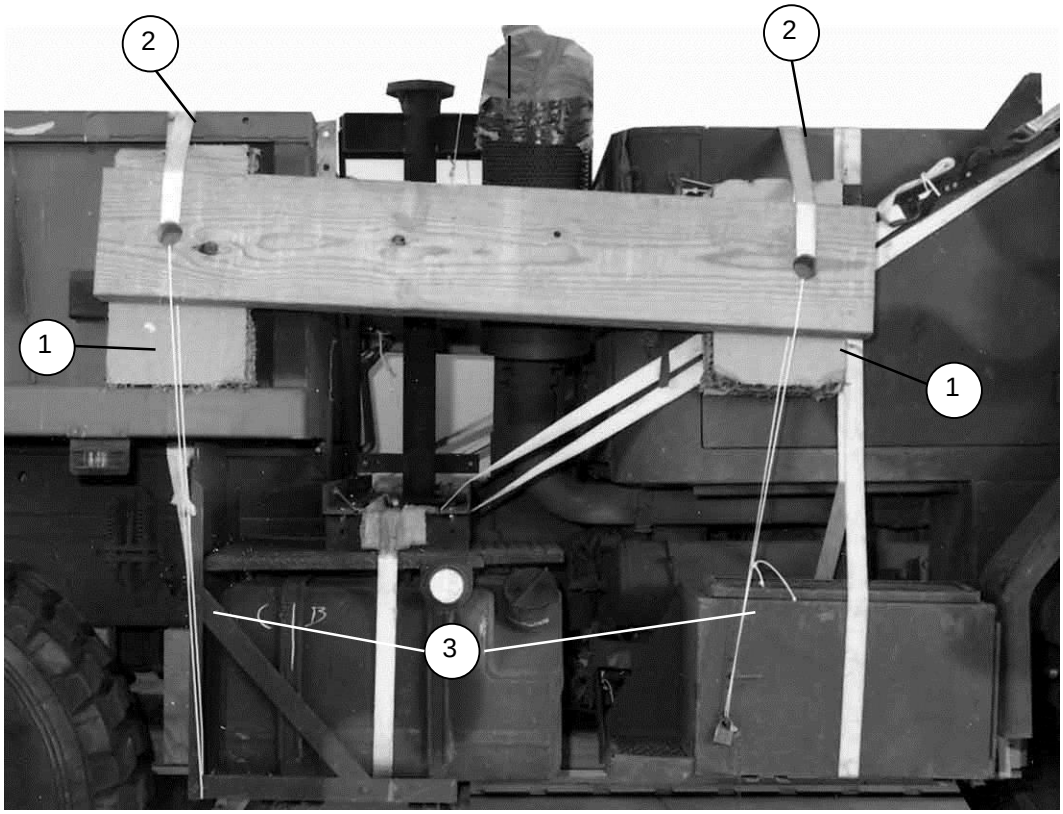
Notes. 1. This drawing is not drawn to scale.
2. There will be a 66- by 12-inch spreader on the right and left sides of the truck.
3. All dimensions are given in inches.



Steps:

47. Construct a middle sling spreader as shown.
48. Secure the plywood and lumber in place as shown with sixteen penny nails.

Figure 8-22. Middle Sling Spreader Constructed



① Place a 6- by 12- and a 10 ½- by 12-inch piece of honeycomb against the body of the truck on the right and left sides. Place a 12- by 21-inch piece of honeycomb against a 6- by 12-and 10 ½- inch pieces of honeycomb on the right and left sides. Place two 12- by 18-inch pieces of honeycomb against the door of the truck on both sides..

② Place the middle sling spreaders up and against the honeycomb on the door of the truck and the pre-positioned honeycomb on the body. Use two 30-foot tiedown assemblies to secure the spreader. Run one lashing through the right hole and the other through the left hole. Run both lashings ofver the top of the truck and through the right and left holes of the spreader on the other side of the truck and back to the top. Secure the lashings in the cab and the body of the truck with loadbinders and D-rings.

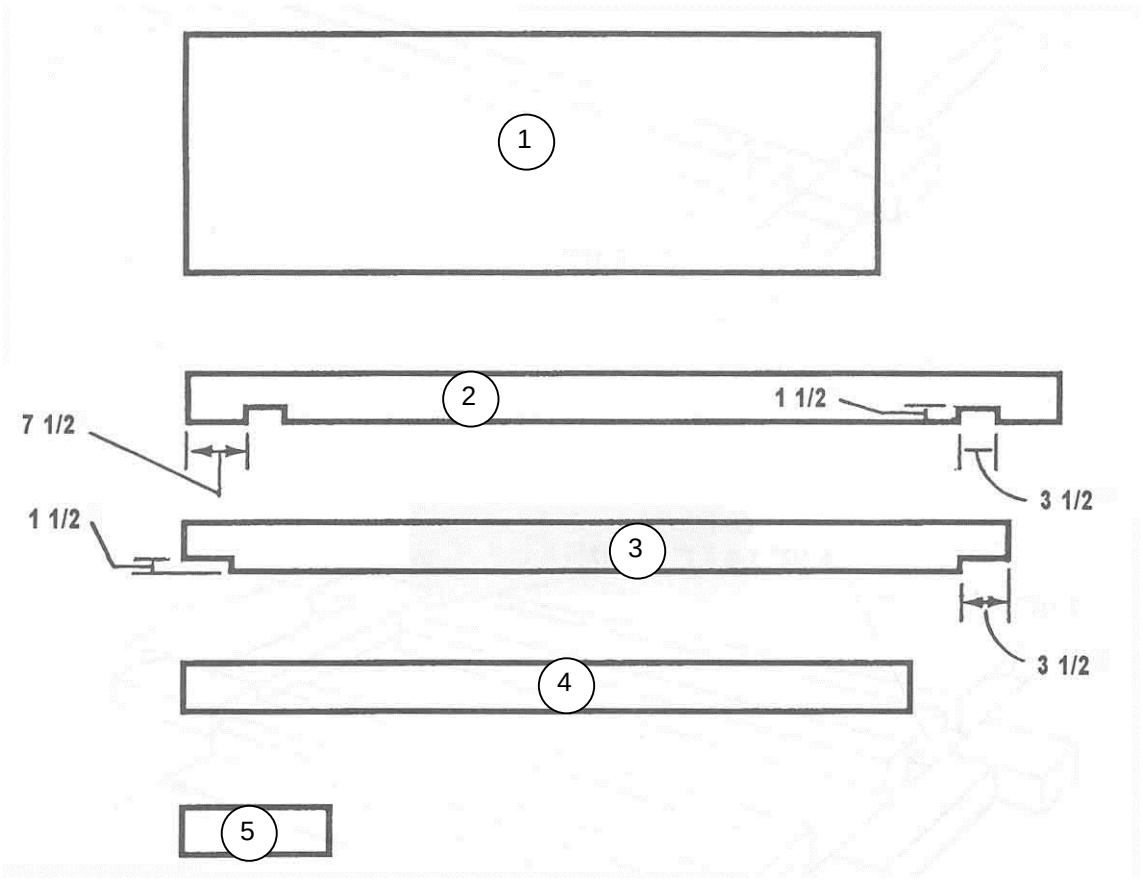
③ Run type III nylon cord through both holes of the spreader. Secure one end of the nylon cord to the tire tray holder andt the other to the ovm box on each side of the truck.

Figure 8-23. Middle Sling Spreader Installed

BUILDING AND INSTALLING REAR SLING SPREADER

8-9. Build the rear sling spreader as shown in Figures 8-24 and 8-25 and install the middle sling spreader as shown in Figure 8-26.

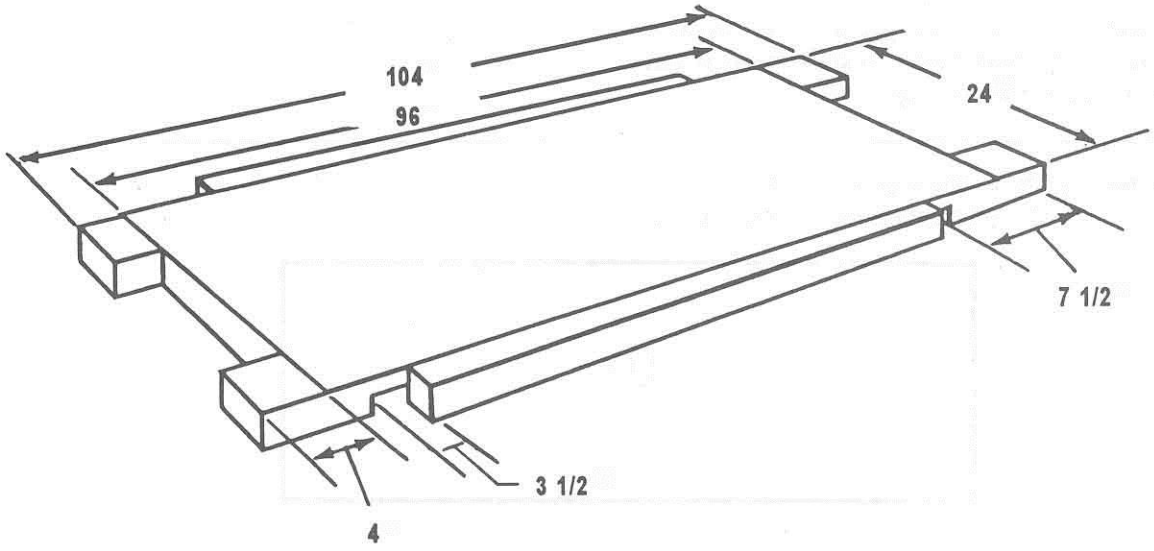
Notes. 1. This drawing is not drawn to scale.
2. Circled numbers refer to item numbers.
3. All dimensions are given in inches.

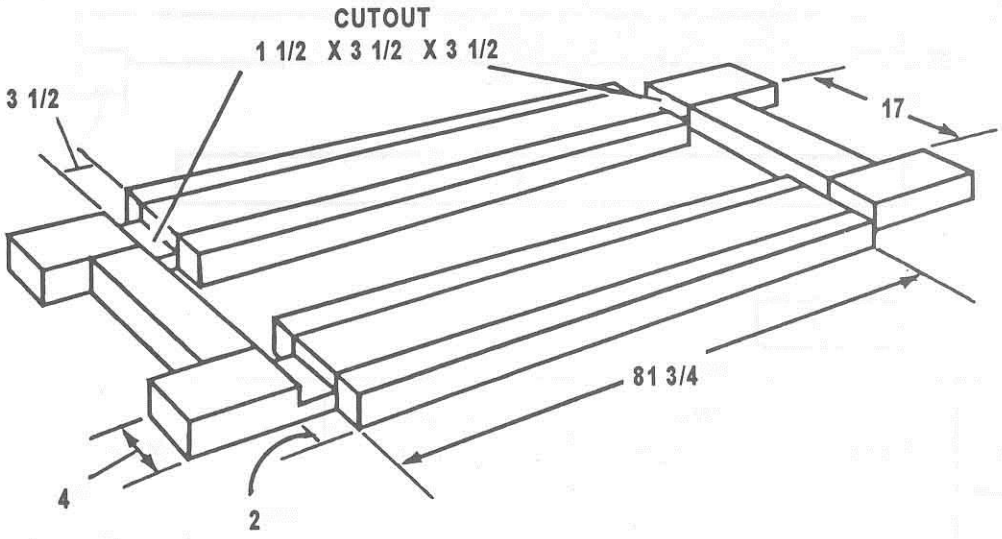


Item Number	*Pieces*	*Width (Inches)*	*Length (Inches)*	*Material*
1	1	24	96	¾-inch plywood
2	2	3 ½ (actual)	104	4- by 4-inch lumber
3	2	3 ½ (actual)	88 ½	2- by 12-inch lumber
4	2	3 ½ (actual)	81 ¾	2- by 12-inch lumber
5	2	3 ½ (actual)	17	4- by 4-inch lumber

Figure 8-24. Material Required for the Rear Suspension Sling Spreader

Notes. 1. This drawing is not drawn to scale.
2. There will be a 66- by 12-inch spreader on the right and left sides of the truck.
3. All dimensions are given in inches.

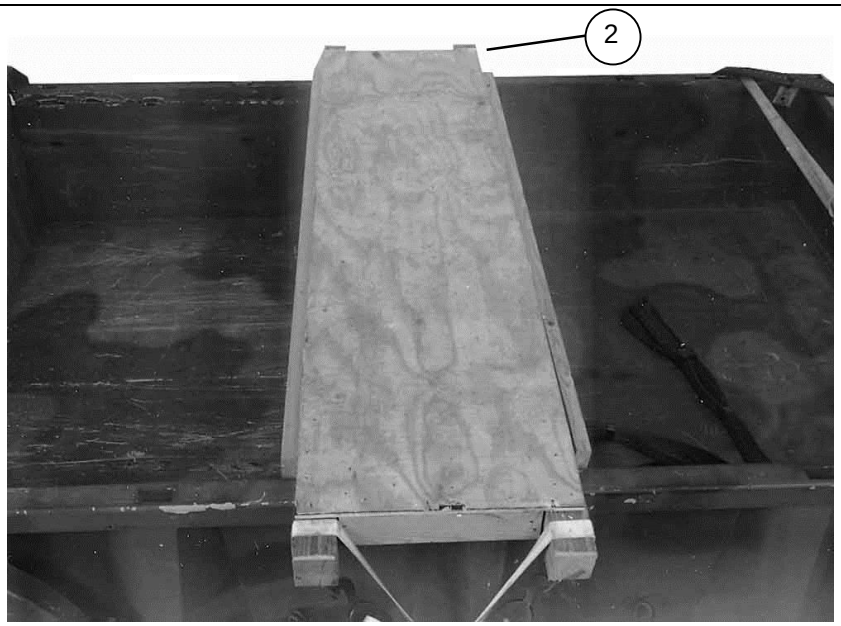


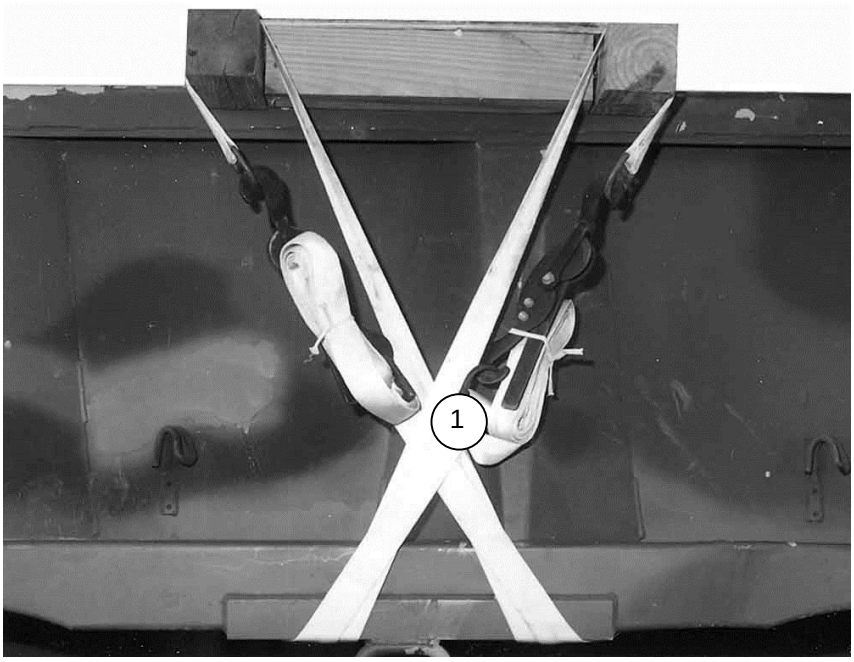


Steps:

49. Construct a rear sling spreader as shown.
50. Secure the plywood and lumber in place as shown with sixteen penny nails.

Figure 8-25. Rear Sling Spreader Constructed





① Place the rear sling spreader across the body of the truck, centered between the rear tires. Run a 15-foot lashing through each hole under the body of the truck. Forming and “X” with the two lashings, run the free ends around the ends of the 4- by 4-inch lumber. Secure the lashings with two load binders and two D-rings.

② Repeat procudures in step 1 for the left side of the truck.

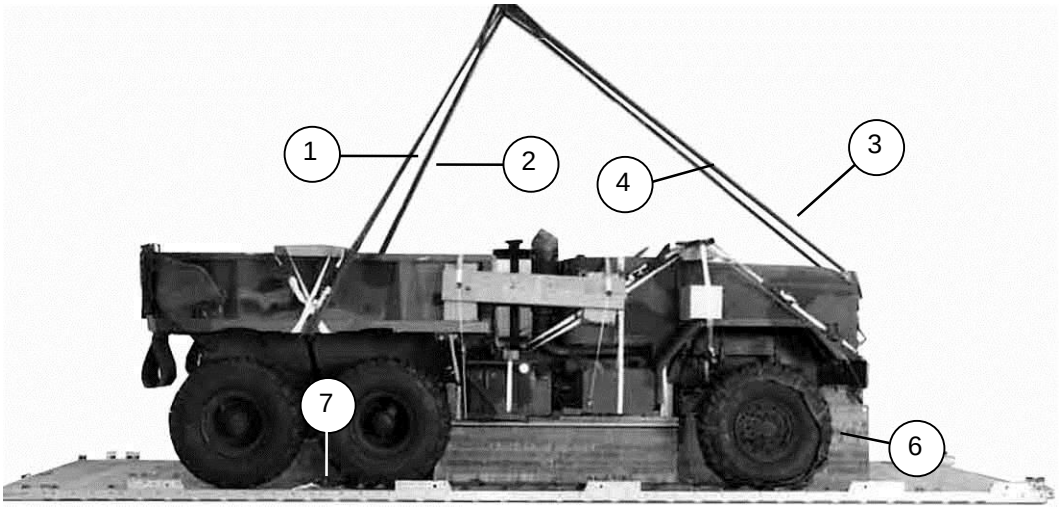
Figure 8-26. Rear Sling Spreader Installed

POSITIONING TRUCK AND INSTALLING HEAVY DROP DERIGGING SYSTEM

8-10. Install the lifting slings and Heavy Drop Derigging System (HDDS) as shown in Figure 8-27. Position the truck on the platform as shown in Figure 8-28.

CAUTION

When lifting the truck, place a 12- by 80-inch piece of honeycomb and a 2- by 10- by 80-inch piece of lumber against the front of the hood to prevent damage.



① Pass the end of a 16-foot (4-loop), type XXVI nylon webbing sling between the side body and the body floor of the truck. Attach the end of the sling to the spring saddle with a large clevis.

② Install another sling on the other side of the truck as described in step 1 above.

③ Attach the end of a 16-foot (4-loop), type XXVI nylon webbing sling to a front lifting shackle with two large clevises.

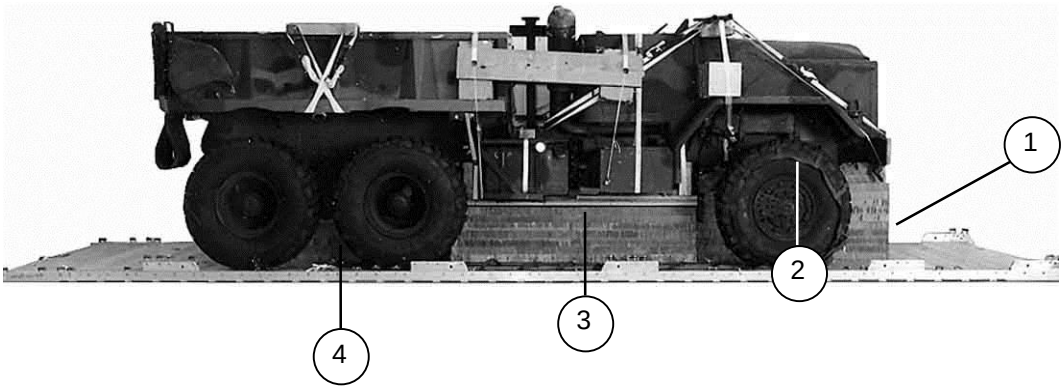
④ Install another sling on the other side of the truck as described in step 3 above.

⑤ After the slings are attached to the truck and the lifting device, place the transmission in neutral and release the brakes (not shown).

⑥ Wrap an Heavy Drop Derigging System (HDDS) around each front tire of the truck. Tie the end of the HDDS to itself with a double length of type I, ¼-inch cotton webbing. Run the HDDS along the right and left sides of the platform.

⑦ Secure the HDDS with a 60-inch piece of type V nylon webbing to bushing 46 and tiedown ring A12 on the right side of the platform and secure the HDDS with a 60-inch piece of type V nylon webbing to bushing 46A and tiedown ring B12 to the left side of the platform.

Figure 8-27. Lifting Slings and Heavy Drop Derigging System Installed



① Center the front bumper and main frame on stack 1

②The front axle centered on stack 2.

③The frame support centered on stack 4.

④Center both differential gears on top of stack 5.

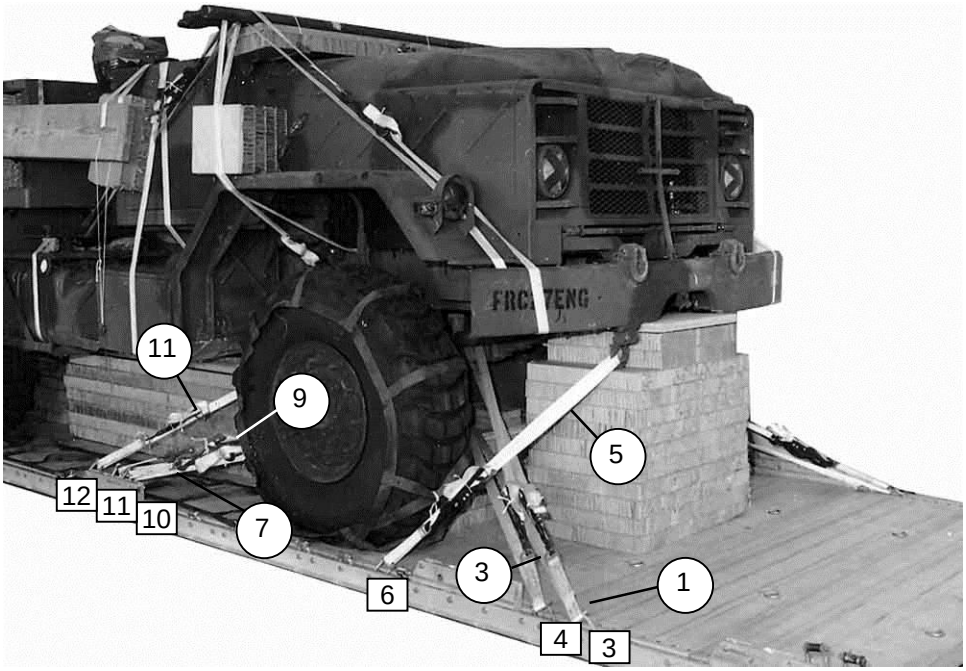
⑤Remove the lifting slings (not shown).

Figure 8-28. Truck Positioned

INSTALLING LASHINGS

8-11. Lash the truck to the platform as shown in Figures 8-29. Secure the ends of the lashings according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

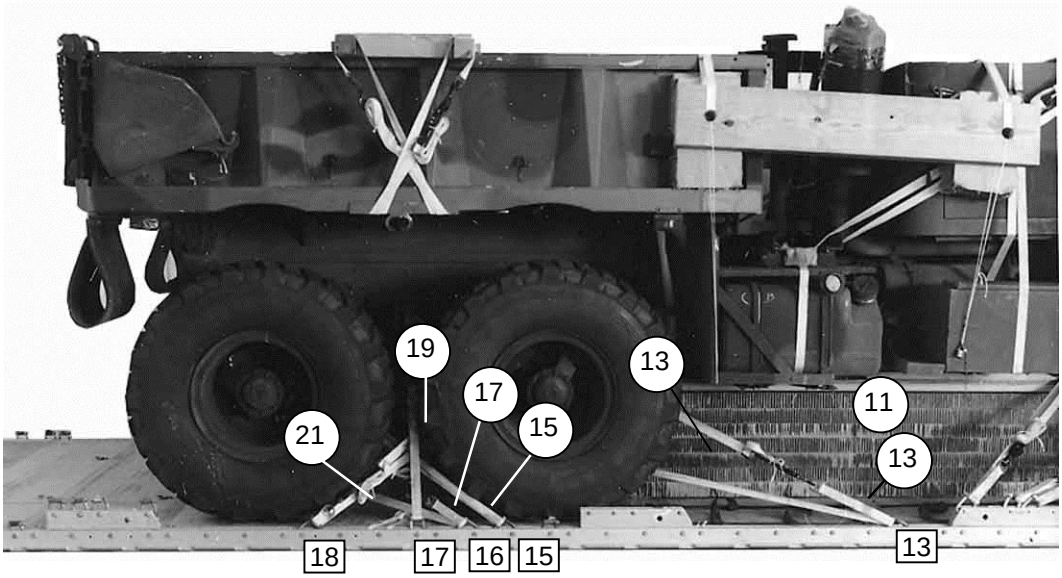
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
1	3	Around front axle and leaf springs, right side.
2	3A	Around front axle and leaf springs, left side.
3	4	Around front axle and leaf springs, right side.
4	4A	Around front axle and leaf springs, left side.
5	6	Through the front lifting shackle, right side.
6	6A	Through the front lifting shackle, left side.
7	10	Around front axle, right side.
8	10A	Around front axle, left side.
9	11	Around front axle, right side.
10	11A	Around front axle, left side.
11	12	Around leaf spring, right side.
12	12A	Around leaf spring, left side.

Figure 8-29. Lashings Installed

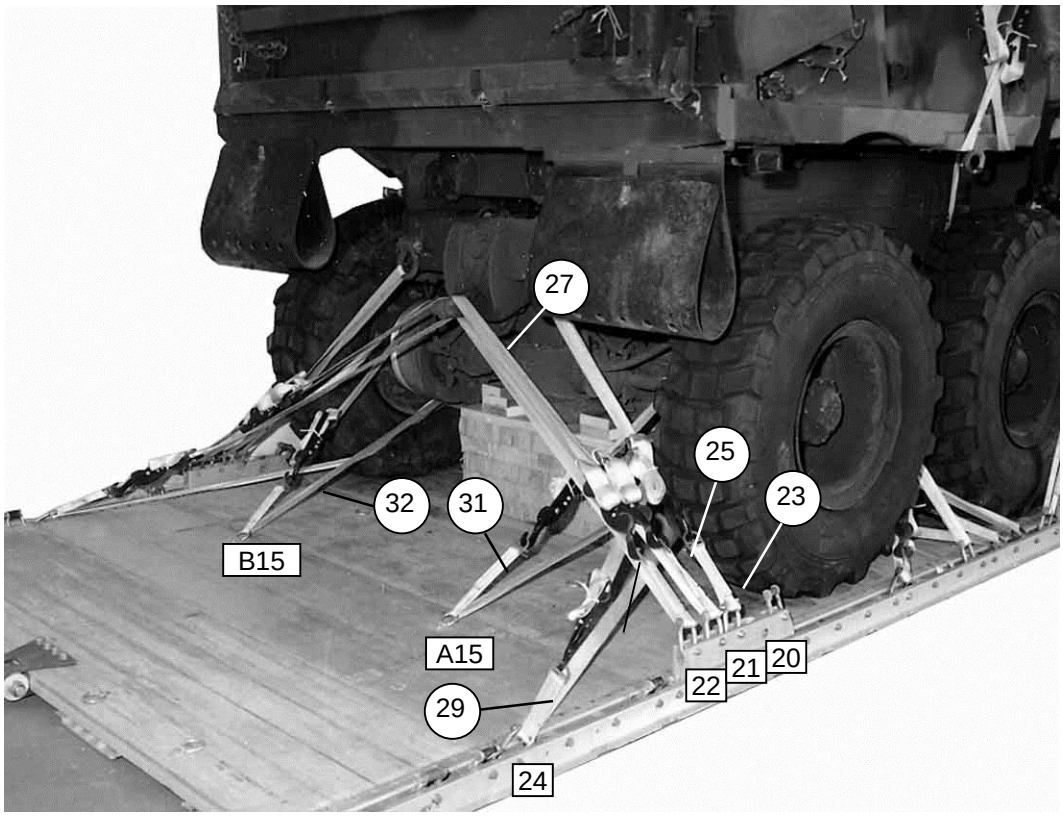
Note. Pad all lashings that are looped through the wheels with cellulose wadding.



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
13	13	Around the drum of the first rear tire, right side.
14	13A	Around the drum of the first rear tire, left side.
15	15	Through the leaf spring bracket of rear tire, right side.
16	15A	Through the leaf spring bracket of rear tire, left side.
17	16	Around the drum of the second rear tire, right side.
18	16A	Around the drum of the second rear tire, left side.
19	17	Through spring saddle, right side.
20	17A	Through spring saddle, left side.
21	18	Through the leaf spring bracket of front tire, right side.
22	18A	Through the leaf spring bracket of rear tire, left side.

Figure 8-29. Lashings Installed (continued)

Note. Pad all lashings that are looped through the wheels with cellulose wadding



Lashing Number	*Tiedown Clevis Number*	*Instructions*
		Pass lashing:
23	20	Through the rear lifting shackle, right side.
24	20A	Through the rear outside dual wheel, left side.
25	21	Through tow pintle, right side.
26	21A	Through tow pintle, left side.
27	22	Through tow pintle, right side.
28	22A	Through tow pintle, left side.
29	24	Around wheel drum, right side.
30	24A	Around wheel drum, left side.
31	A15	Around wheel drum, right side.
32	B15	Around wheel drum, left side.

Figure 8-29. Lashings Installed (continued)

PREPARING HARD OVERHEAD CAB COVER

8-12. Prepare the hard overhead cab cover as shown in Figure 8-30.



① Place three pieces of honeycomb in the slots of the cab cover, against the back and on the bottom (not shown).

② Pad and tape the windshield with cellulose wadding and pressure sensitive tape (not shown).

③ Place a piece of 12- by 80-inch honeycomb on top of the three bottom pieces.

④ Place a piece of 26- by 80-inch honeycomb in the vertical position , on top of the 12- by 80-inch piece of honeycomb.

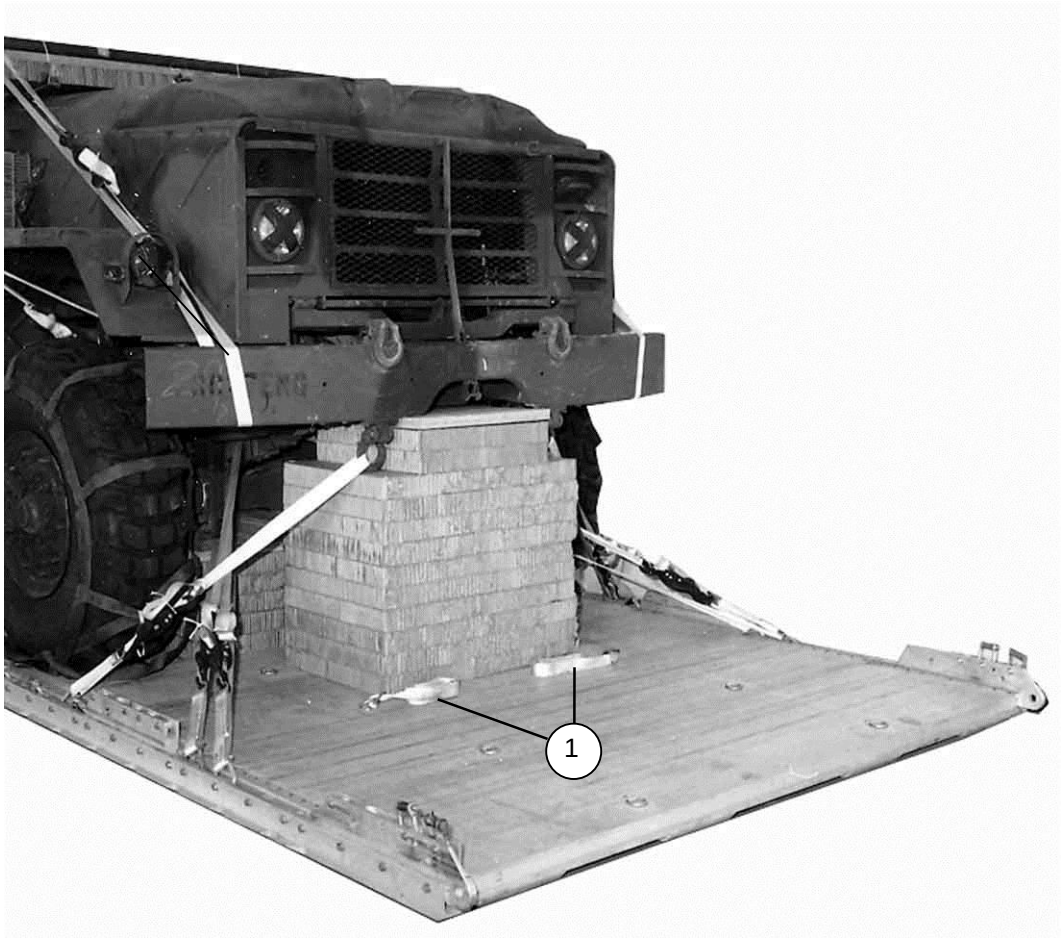
⑤ Place a piece of 36- by 36-inch honeycomb between the truck grill and the rear of the cab cover. Secure the Vertical honeycomb with a 15-foot tiedown assembly.

⑥ Install two type V tiedown clevises on each side of the cab cover for tiedown points.

Figure 8-30. Hard Overhead Cab Cover Prepared

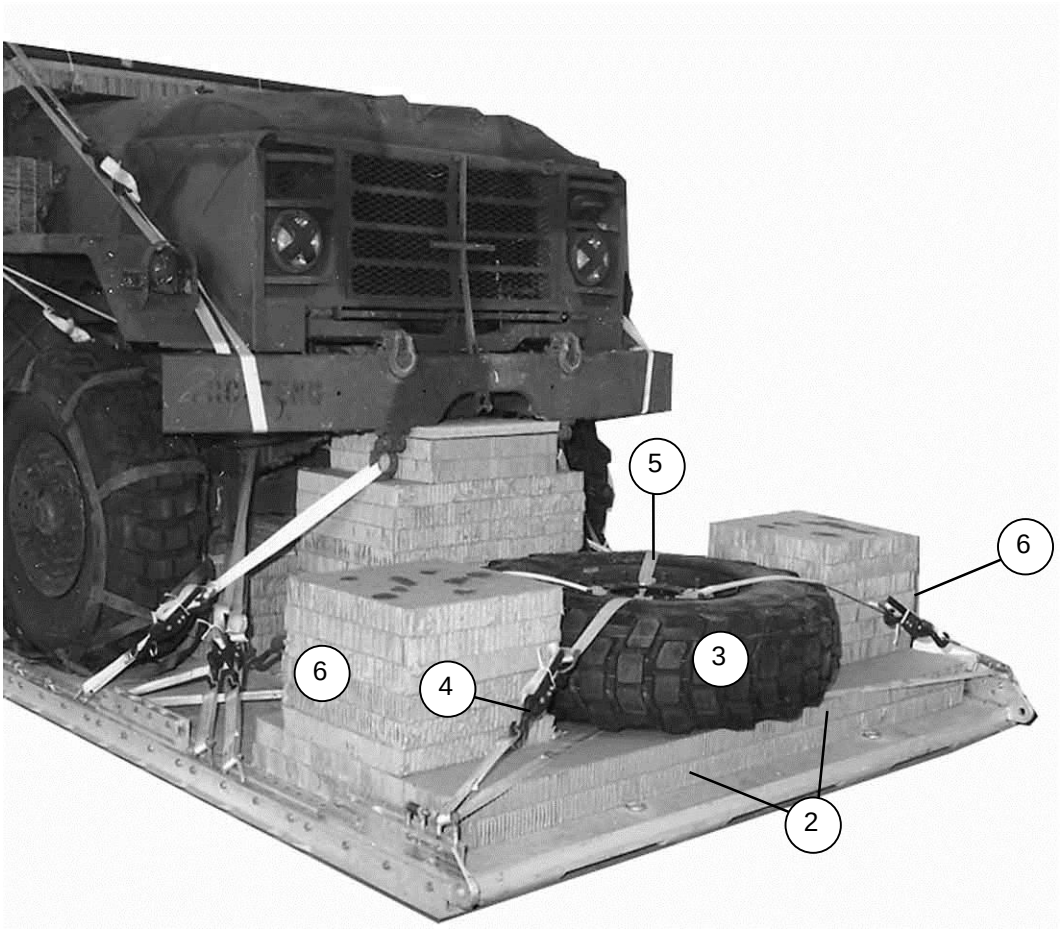
INSTALLING SPARE TIRE AND HARD CAB COVER

8-13. Install the spare tire and hard cab cover as shown in Figure 8-31.



① Pre-position two 15-foot tiedown straps through tiedown rings A3 and B3.

Figure 8-31. Spare Tire and Hard Cab Cover Installed



② Place two 36- by 96-inch pieces of honeycomb, centered, five inches from the front edge of the platform.

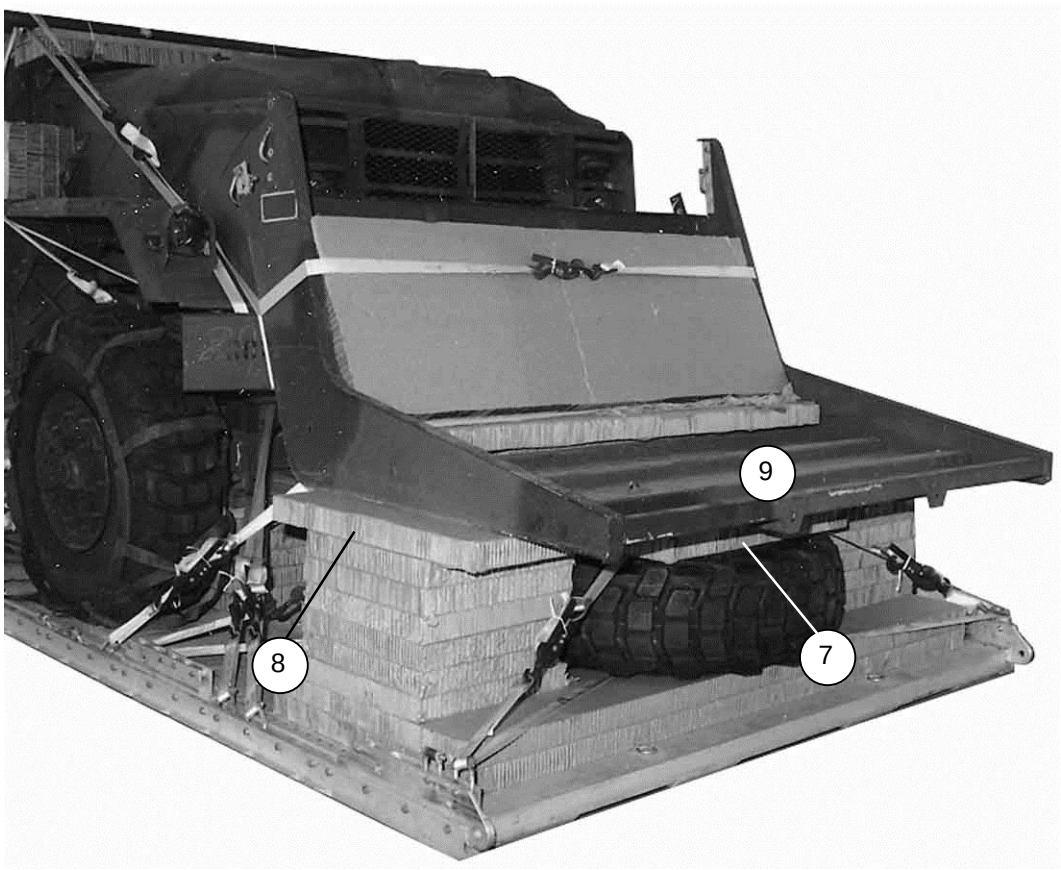
③ Center the spare tire on the honeycomb.

④ Run a 15-foot lashing through clevis 1 and the tire and another through 1A and the tire.

⑤ Run a 15-foot lashing through clevis 5 and the tire and another through clevis 5A and the tire. Secure all four lashings with D-rings and load binders being careful not to move the tire.

⑥ Place six pieces of 22- by 22-inch honeycomb on the right and left sides of the tire.

Figure 8-31. Spare Tire and Hard Cab Cover Installed (continued)



⑦ Place a 36- by 36-inch pieces of honeycomb on top of the spare tire.

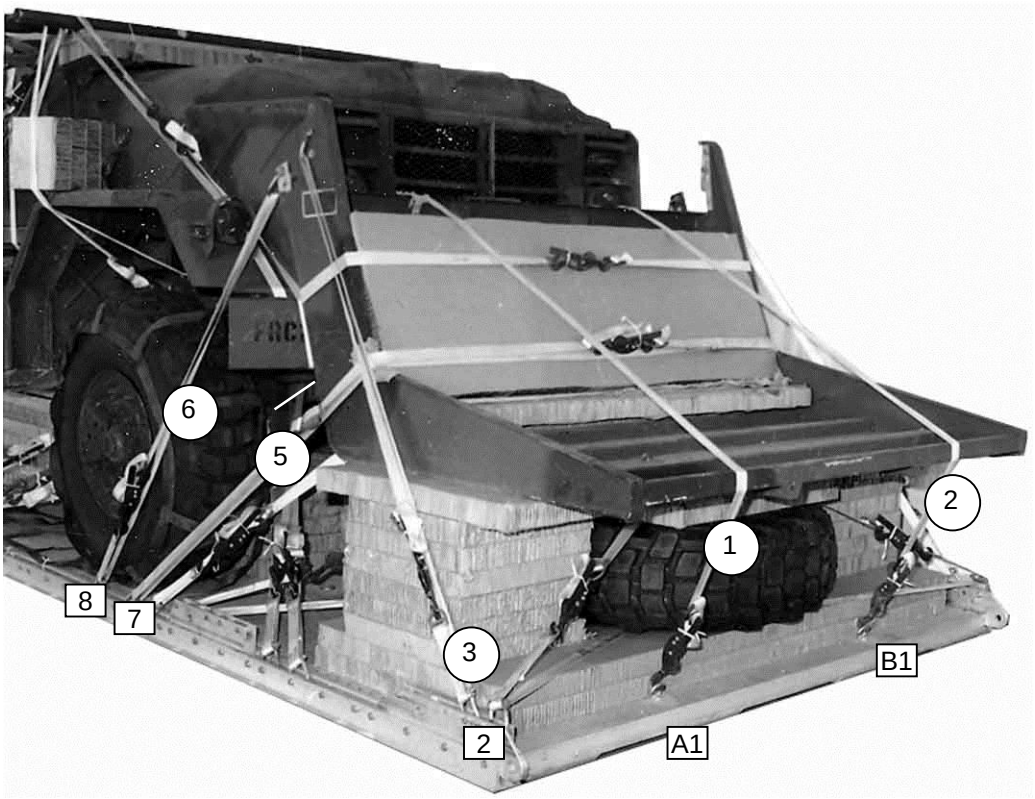
⑧ Place a 36- by 96-inch pieces of honeycomb across the honeycomb and tire.

⑨ Center the cab cover on the 36- by 96-inch piece of honeycomb. (There will be a 10 ½-inch overhang on the front of the platform).

Figure 8-31. Spare Tire and Hard Cab Cover Installed (continued)

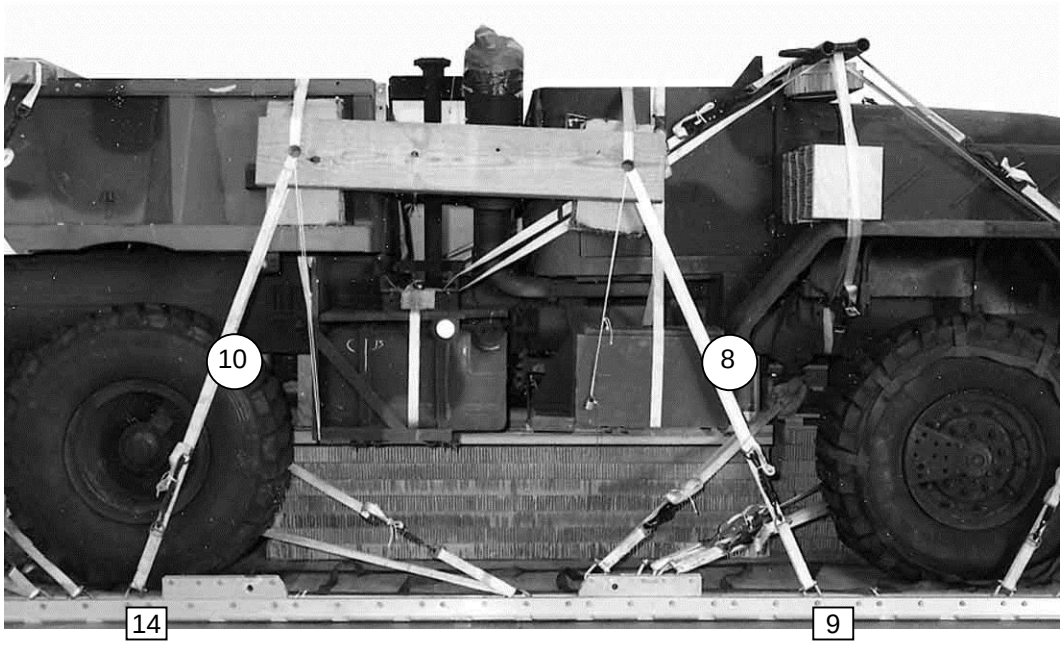
LASHING CAB COVER AND MIDDLE SLING SPREADER TO PLATFORM

8-14. Lash the cab cover and middle sling spreader to the platform as shown in Figures 8-32



Lashing Number	*Tiedown Clevis Number*	*Instructions*
1	A1	Run the pre-positioned lashing over the top of cab cover and secure to tiedown ring.
2	B1	Run the pre-positioned lashing over the top of cab cover and secure to tiedown ring.
3	2	Pass lashing through clevis on cab cover, right side.
4	2A	Pass lashing through clevis on cab cover, left side.
5	7 to 7A	Run a 45-foot lashing through both clevises, across the front of the cab cover. Secure on front with two D-rings and a load binder.
6	8	Pass lashing through clevis on cab cover, right side.
7	8A	Pass lashing through clevis on cab cover, left side.

Figure 8-32. Lashings Installed

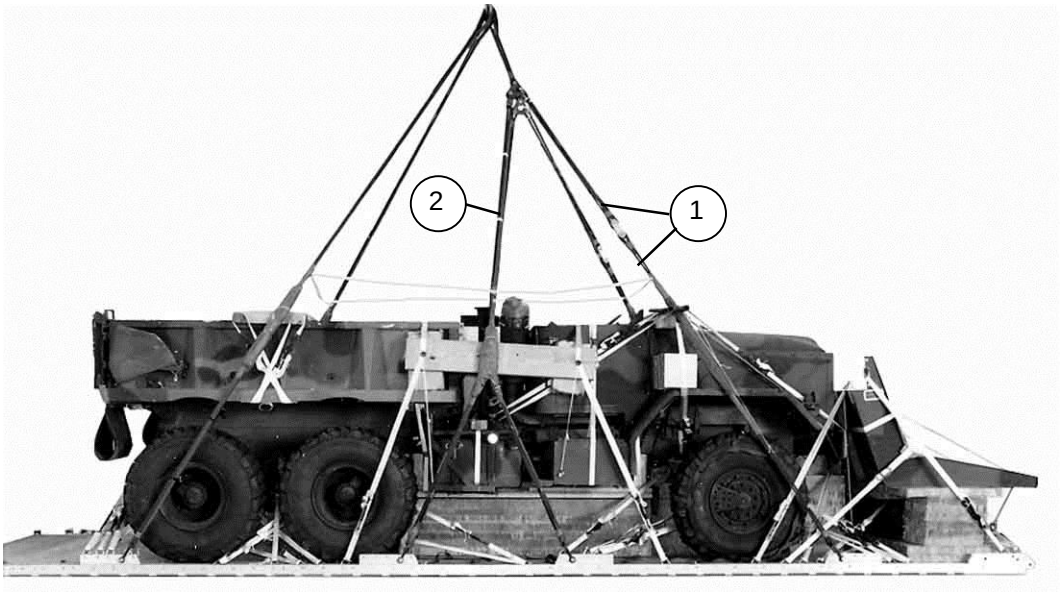


Lashing Number	*Tiedown Clevis Number*	*Instructions*
8	9	Through hole in middle sling spreader, right side.
9	9A	Through hole in middle sling spreader, left side.
10	14	Through hole in middle sling spreader, right side.
11	14A	Through hole in middle sling spreader, left side.

Figure 8-32. Lashings Installed (continued)

INSTALLING AND SAFETYING SUSPENSION SLINGS

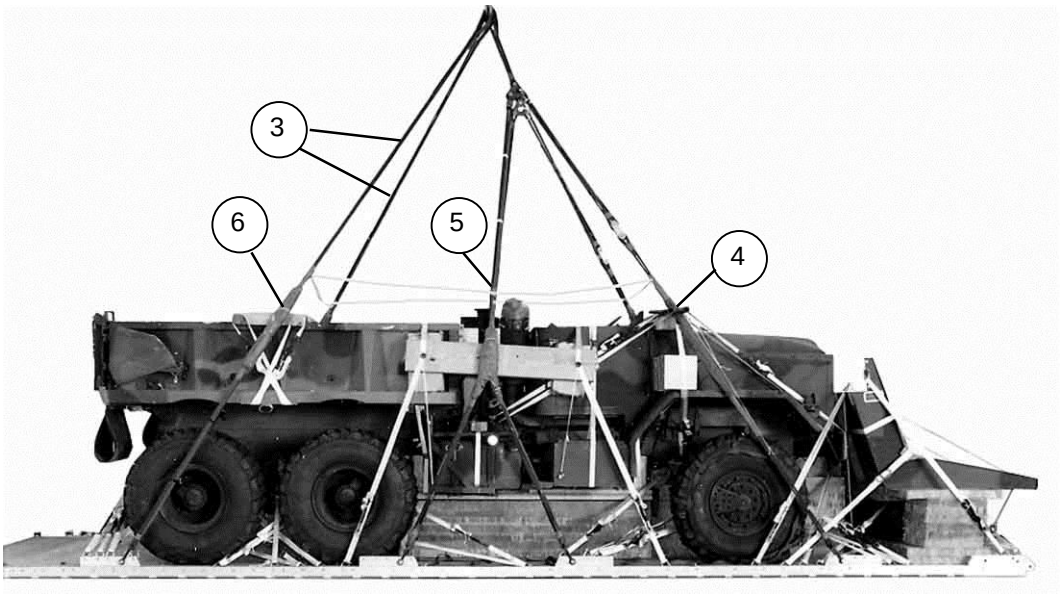
8-15. Install and safety the suspension slings as shown in Figure 8-33.



① Form the front suspension sling by attaching an 11-foot, (4-loop), type XXVI nylon webbing sling to a 5 ½-inch link assembly. Fold an 11-foot, (2-loop), type XXVI nylon webbing sling in half. Attach the free ends to the opposite end of the 5 ½-inch link assembly. Place the looped end of the sling on the right spacer of a 3-point link assembly. Place a sling sleeve on the lower portion of the front slings and wrap the ends with pressure sensitive tape. Attach slings to the tandem links with large clevises.

② Form the center suspension slings by folding two 11-foot, (4-loop), type XXVI nylon webbing slings in half. Attach the free ends to two large clevises. Attach the clevises to the second and third suspension links. Rout e the bell of a large clevis through the loops of both 11-foot slings. Attach one end of a 9-foot, (4-loop), type XXVI nylon webbing sling to the left spacer of the 3-point link assembly. Attach the other end of the sling to the large clevis. Attach a 3-foot, (4-loop), type XXVI nylon webbing sling to the top spacer of the 3-point link.

Figure 8-33. Suspension Slings Installed and Safetied



③ Form the rear suspension sling by using two 20-foot, (4-loop), type XXVI nylon webbing sling and two large clevises. Attach the large clevis to each sling Attach the large clevises to the rear tandem links. Attach the slings to the crane hook. Pad the slings with felt padding. Secure the felt with pressure sensitive tape and type III nylon cord.

④ After all suspension slings have been assembled, safety the front slings to the Attitude Control Bar (ACB) with type III nylon cord. Install a deadman's tie and safety tie according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

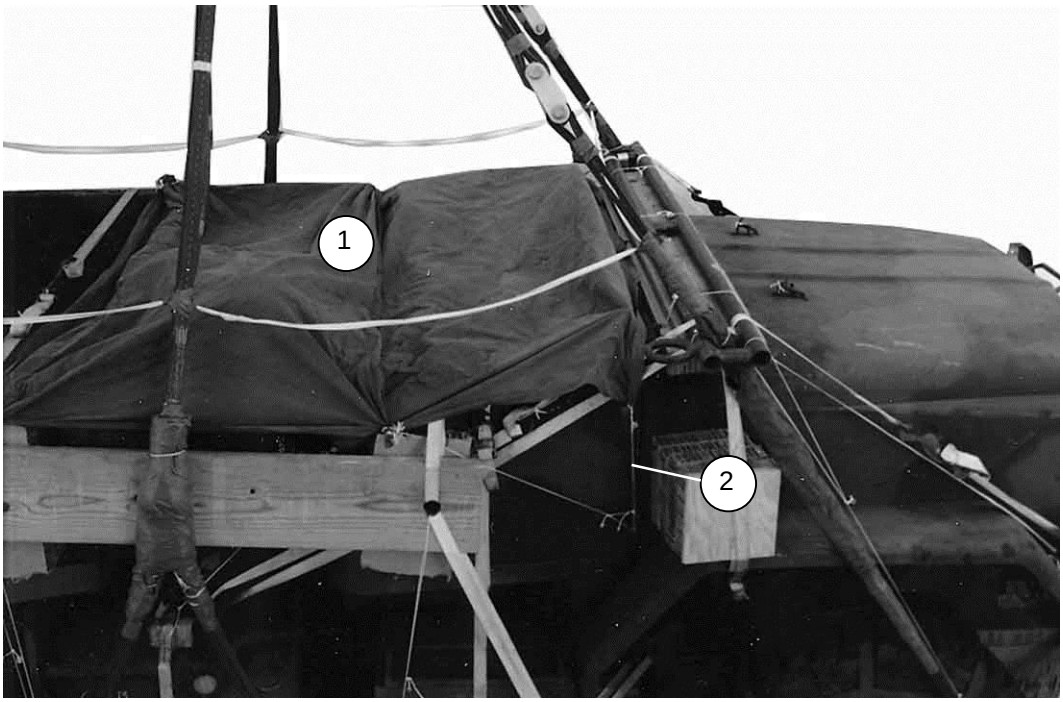
⑤ Safety the middle slings, from right to left, with type III nylon cord.

⑥ Safety the rear slings, from right to left, with type III nylon cord.

Figure 8-33. Suspension Slings Installed and Safetied (continued)

INSTALLING LOAD COVER

8-16. Install the load cover as shown in Figure 8-34.



① Cut a 5- by 7 ½-foot piec of cotton duck clath. Place the cloth over the cab compartment and spare tire holder compartment.

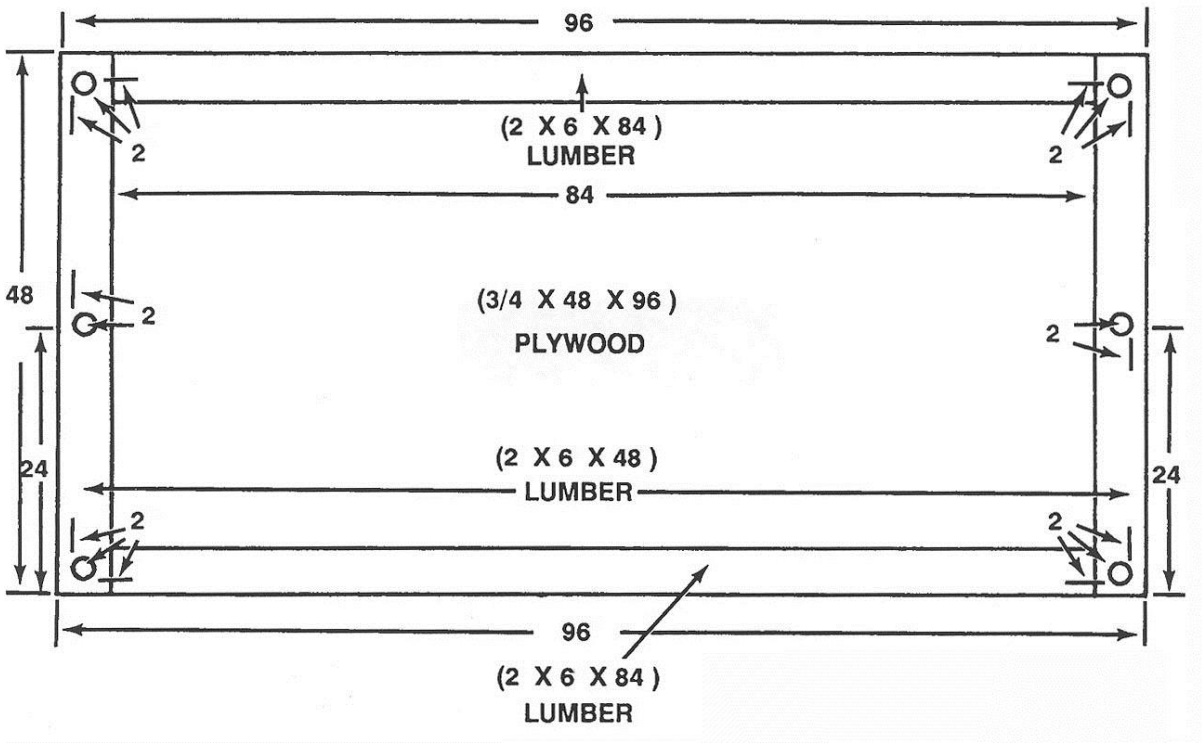
② Secure the cloth on the corners with type III nylon cord.

Figure 8-34. Load Cover Installed

CONSTRUCTING AND INSTLLING PARACHUTE STOWAGE PLATFORM

8-17. Build the parachute stowage platform as shown in Figure 8-35. Build the honeycomb stacks, install and secure the stowage platform as shown in Figure 8-36.

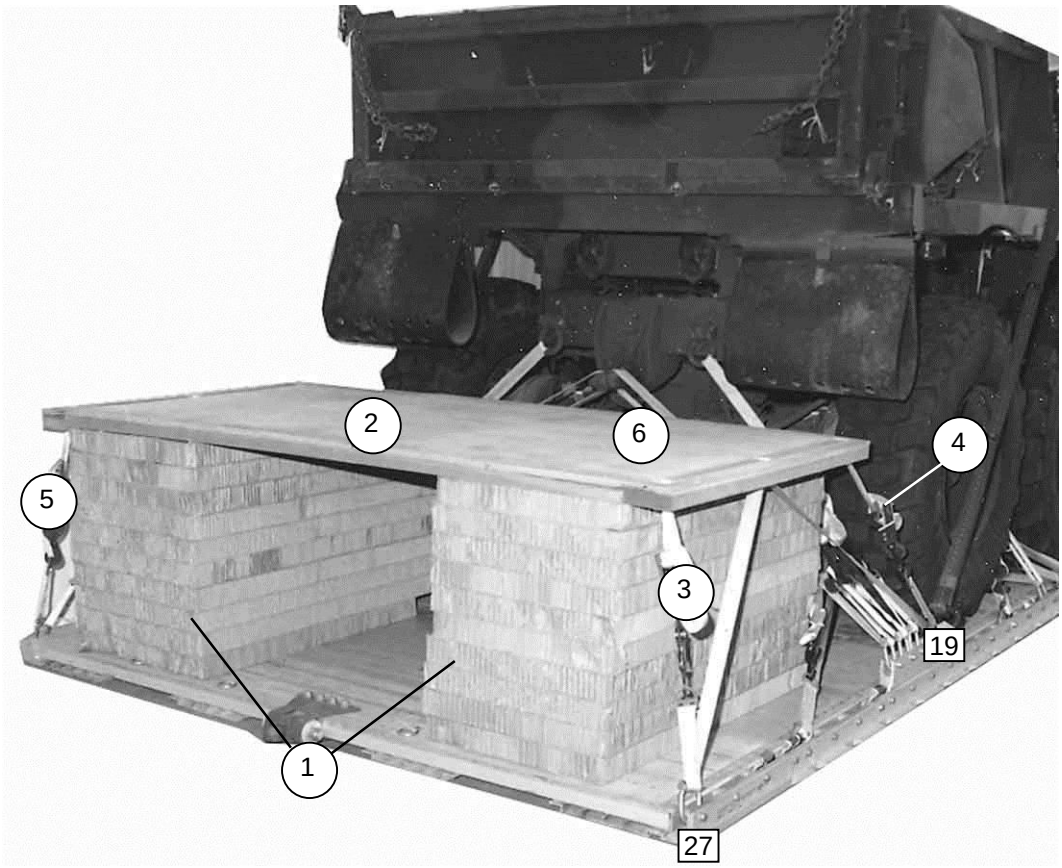
Notes. 1. This drawing is not drawn to scale.
2. All dimensions are given in inches.



Steps:

51. Construct parachute stowage platform as shown.
52. Secure the lumber and plywood in place as shown with eight penny nails.

Figure 8-35. Parachute Stowage Platform Constructed



① Construct two honeycomb stacks with ten 24- by 48-inch pieces in each stack. Place a stack on each side of the platform 3 inches from the rear edge and 14 inches from the right rail

② Center the stowage platform on the honeycomb stacks.

③ Run a 15-foot tiedown strap through clevis 27 and up through the rear hole in the right side of the stowage platform. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

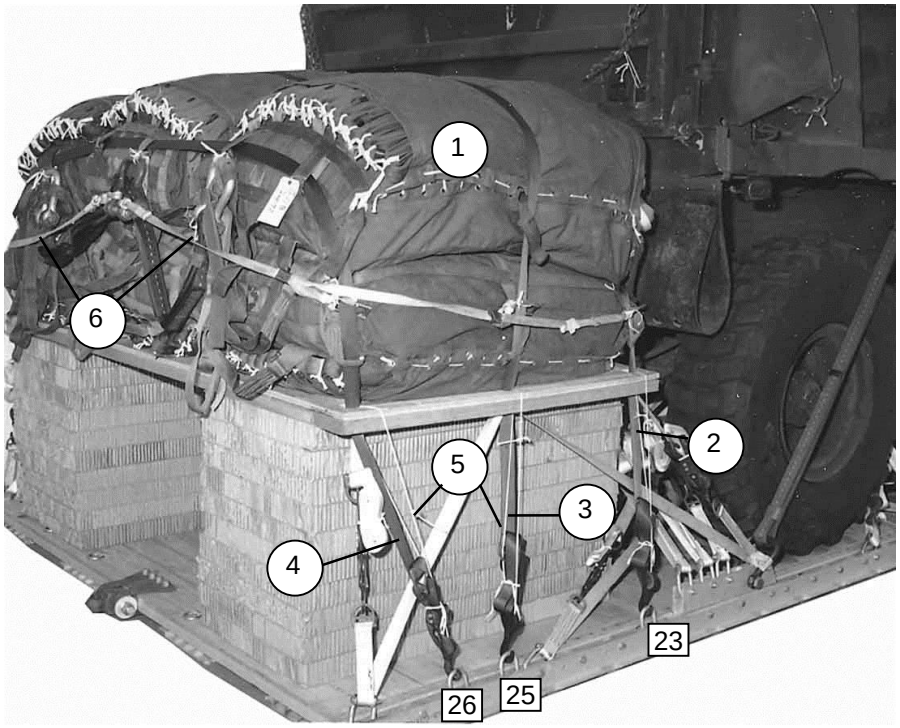
④ Run a 15-foot tiedown strap through clevis 19 and up through the front hole in the right side of the stowage platform. Secure the ends of the strap according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

⑤ Lash the other side of the stowage platform in the same way using clevises 27A and 19A (not shown).

Figure 8-36. Parachute Stowage Platform Positioned and Secured

STOWING CARGO PARACHUTES

8-18. Stow six G-11C cargo parachutes on the truck as shown in Figure 8-37.



① Prepare and position six G-11C cargo parachutes on the stowage platform as shown. Each parachute requires a 120-foot (2-loop), type XXVI nylon riser extension. Make sure the riser extensions meet the requirements and restrictions in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

② Install a 10-yard, type VIII nylon webbing parachute restraint strap to the front of the cargo parachutes according to the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Secure the ends of the straps with load binders and D-rings to clevises 23 and 23A.

③ Install a 10-yard, type VIII nylon webbing parachute restraint strap to the middle of the cargo parachutes according to the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Secure the ends of the straps with load binders and D-rings to clevises 25 and 25A.

④ Install a 10-yard, type VIII nylon webbing parachute restraint strap to the rear of the cargo parachutes according to the procedures in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Secure the ends of the straps with load binders and D-rings to clevises 26 and 26A

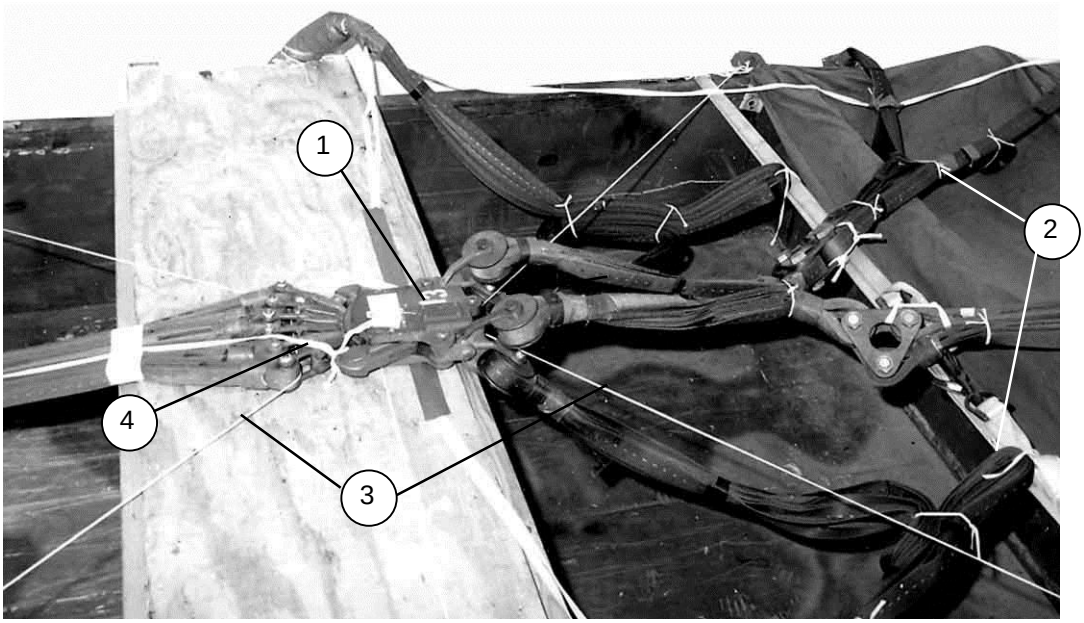
⑤ Safety the loads binders with type III nylon cord.

⑥ Install two multicut parachute release straps according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 8-37. Six G-11C Cargo Parachutes Installed

INSTALLING RELEASE SYSTEM

8-19. Prepare and install the release system as shown in Figure 8-38.



① Prepare an M-2 cargo parachute release assembly according TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Attach the release assembly to the suspension slings and the cargo parachutes according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Center the release assembly on top of the load.

② Fold the suspension slings and secure the folds with single turns of type I, ¼-inch cotton webbing.

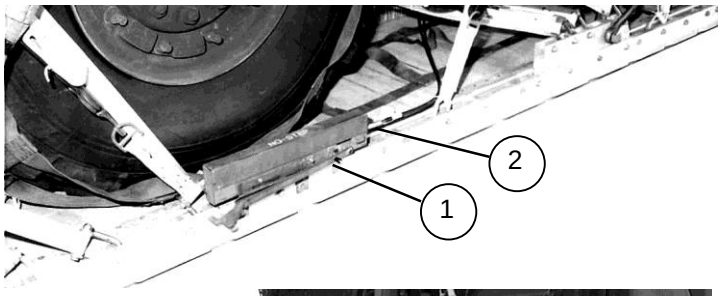
③ Secure the top of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Secure the bottom of the release assembly according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

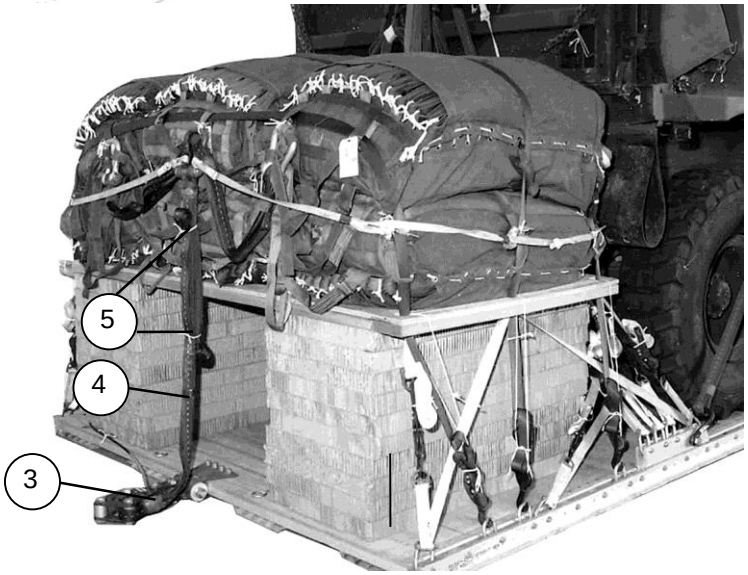
④ Install the arming lanyard according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

Figure 8-38. Release System Installed

INSTALLING EXTRACTION SYSTEM

8-20. Install the extraction force transfer coupler extraction system as shown in Figure 8-39.





① Attach the type V Extraction Force Transfer Actuator (EFTA) mounting brackets to the Front mounting holes in the left platform rail.

② Install an actuator with a 28-foot cable to the EFTA mounting brackets according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

③ Attach the latch assembly to the extraction bracket according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 Safety the release cable to the outside lashings with type I, ¼-inch cotton webbing.

④ Connect one end of a 9-foot (4-loop), type XXVI nylon webbing sling (deployment line) to the top spacer of the link assembly. Connect the free end to the center large suspension clevis on the 3-foot clustering slings.

⑤ Fold the excess deployment line and secure the folds in place with tape or type I, ¼-inch cotton webbing.

Figure 8-39. Extraction System Installed

PLACING EXTRACTION PARACHUTE

8-21. Select the extraction parachute and extraction line needed using the extraction line requirements table in TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5. Place the extraction parachute and line on the load for installation in the aircraft.

INSTALLING PROVISION FOR EMERGENCY RESTRAINTS

8-22. Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in TM 4-48.02/MCRP 4-11J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5.

MARKING RIGGED LOAD

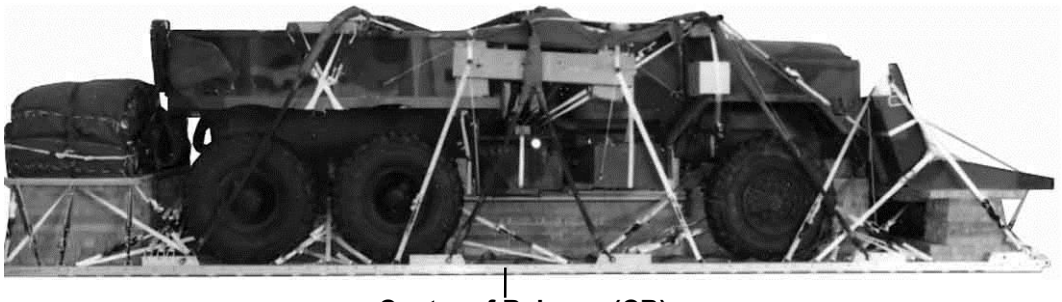
8-23. Mark the rigged and load according to TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 and as shown in Figure 8-40. Complete *Shipper's Declaration for Dangerous Goods*. If the load varies from the one shown, the weight, height, center of balance, and parachute requirements must be recomputed.

EQUIPMENT REQUIRED

8-24. Use the equipment listed in Table 8-1 to rig this load.

CAUTION

Make the final rigger inspection required by AR 59-4 and TM 4-48.02/MCRP 4-11.3J/NAVSEA SS400-AB-MMO-010 REV 1/TO 13C7-1-5 before the load leaves the rigging site.



Center of Balance (CB)

Rigged Load Data

Weight: Load shown……30,340 pounds
Maximum load allowed……..……31,340 pounds
Height……...97 inches
Width ……108 inches
Length ……..394 ½ inches
Overhang: Front ……10 ½ inches
Rear ……...0 inches
CB (from front edge of platform) ……..203 inches
Extraction System……...…Extraction Force Transfer Coupler

Figure 8-40. M925A2, 5-Ton Dump Truck Rigged for Low-Velocity Airdrop on a Type V Platform

Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform

National Stock Number	*Item*	*Quantity*
8040-00-273-8713	Adhesive, paste, 1-gal	As required
1670-00-003-4389	Bar, attitude control	1
1670-01-035-6054	Bridle, extraction line bag (Use w extraction line leaf.)	1
4030-00-090-5354		15
8305-00-242-3593	Clevis, suspension, 1-in (large)	As required
4020-00-240-2146	Cloth, cotton duck, 60-in	As required
1670-00-360-0328	Cord, nylon, type III, 550-lb	6
8135-00-664-6958	Cover, clevis, large	As required
8305-00-958-3685	Cushioning material, packaging, cellulose wadding	As required
1670-00-573-6790	Felt, ½-in thick	2
	Frame extension assembly	
	Frame support:	
5510-00-220-6146	Lumber:	
	2- by 4-in:	3
	10-in	2
	20-in	2
5510-00-220-6448	26-in	1
5510-00-220-6274	2- by 6- by 26-in	
	4- by 4-in:	8
	10-in	1
	10 ¾-in	2
	33-in	2
5530-00-128-4981	96-in	
	Plywood, ¾-in:	1
	3 ½- by 12 ¼-in	8
	3 ½- by 13 ½-in	1
	8 ½- by 20-in	3
	13 ½- by 13 ½-in	1
	13 ½- by 21 ½-in	1
1670-01-344-0825	36- by 96-in	1
1670-01-183-2678	Heavy drop dragging system	1
	Leaf, extraction line	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
	Line extraction:	
1670-00-064-4454	60-ft (6-loop), type X nylon webbing (for C-130 aircraft) or	1
	Link assembly:	1
1670-00-006-2752	Four-point	3
	Two-point:	3
5306-00-435-8994	Bolt, 1-in diam, 4-in long	(6)
5310-00-232-5165	Nut, 1-in	(6)
1670-00-003-1954	Plate, side, 5 12\/2-in	(6)
5365-00-007-3414	Spacer, large	(6)
1670-01-247-2389	Link, suspension	4
	Load spreader for honeycomb stack 2:	
5510-00-220-6146	Lumber, 2- by 4- by 8-in	2
5510-00-220-6448	Lumber, 2- by 6- by 24-in	4
5530-00-128-4981	Plywood, ¾- by 54- by 24-in	2
	Load spreader for honeycomb stack 3:	
5510-00-220-6146	Lumber, 2- by 4- by 36-in	2
5510-00-220-6274	Lumber, 4- by 4- by 12-in	4
5530-00-128-4981	Plywood:	
	¾- by 36- by 12-in	3
	¾- by 12- by 12-in	2
	¾- by 8- by 12-in	1
	¾- by 4- by 12-in	1
	Load spreader for honeycomb stack 4:	
	Lumber:	
5510-00-220-6146	2- by 4- by 46-in	2
5510-00-220-6274	4- by 4- by 94-in	2
5530-00-128-4981	Plywood, ¾-in:	
	4- by 94-in	2
	48- by 94-in	2
	Load spreader for honeycomb stack 5:	
	Lumber:	
5510-00-220-6146	2- by 4-in:	
	12-in	2
	66-in	6
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
5510-00-220-6448	2- by 6- by 12-in	4
	2- by 6- by 66-in	6
5530-00-128-4981	Plywood, ¾-in:	
	4- by 12-in	2
	34- by 66-in	2
	Nail, steel wire, common:	
5315-00-010-4659	8d	As required
5315-00-010-4663	16d	As required
1670-00-753-3928	Pad, energy-dissipating, honeycomb,	
	3- by 36- by 96-in:	35 sheets
	6- by 12-in	(1)
	8- by 94-in	(2)
	10 ½ - by 12-in	(1)
	12- by 12-in	(4)
	12- by 21-in	(2)
	12- by 80-in	(2)
	21- by 94-in	(1)
	22- by 22-in	(12)
	24- by 24-in	(2)
	54- by 24-in	(5)
	24- by 48-in	(20)
	26- by 80-in	(1)
	34- by 66-in	(5)
	36- by 18-in	(5)
	36- by 12-in	(3)
	36- by 24-in	(10)
	36- by 36-in	(2)
	36- by 96-in	(3)
1670-01-016-7841	Parachute, cargo, G-11C	6
	Parachute, cargo extraction:	
1670-00-040-8135	28-ft, heavy duty	1
	Platform, airdrop, type V, 32-ft	1
	Bracket:	
1670-01-162-2375	Inside Extraction Force Transfer Actuator (EFTA)	(1)
1670-01-162-2374	Outside EFTA	(1)
1670-01-162-2372	Clevis assembly	(58)
1670-01-162-2376	Extraction bracket assembly	(1)
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

Table 8-1. Equipment Required for Rigging the M929A2, 5-Ton Dump Truck for Low-Velocity Airdrop on a Type V Airdrop Platform (continued)

National Stock Number	*Item*	*Quantity*
1670-01-247-2389	Suspension link	(6)
1670-01-162-2381	Tandem link	(2)
5530-00-128-4981	Plywood, ¾-in:	
	48- by 96-in	1 sheet
	Release, cargo parachute, M-2	1
	Sling, cargo airdrop:	
	For antitumble slings:	
	20-ft (2-loop), type XXVI nylon webbing	2
	For deployment line:	
1670-01-097-8817	9-ft (2-loop), type XXVI nylon webbing	1
	For lifting:	
1670-01-062-6304	16-ft (4-loop), type XXVI nylon webbing	2
1670-00-432-2507	For suspension:	
1670-00-003-7237	3-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6305	9-ft (4-loop), type XXVI nylon webbing	2
1670-01-063-7760	11-ft (2-loop), type XXVI nylon webbing	2
1670-00-432-6310	11-ft (4-loop), type XXVI nylon webbing	2
1670-01-064-4453	20-ft (4-loop), type XXVI nylon webbing	2
1670-01-062-6306	For riser extensions:	
1670-01-062-6311	20-ft (2-loop), type XXVI nylon webbing	6
1670-00-040-8219	Strap, parachute release, multicut comes w 3 knives	2
	Suspension sling spreader:	
5530-00-128-4981	Front	1
	Plywood, ¾- by 2- by 12-in	
	Middle	
5510-00-220-6248	Lumber:	2
5510-00-220-6274	2- by 12- by 66-in	1
	4- by 4- by 94½-in	
	Rear	
5510-00-220-6274	Lumber:	2
5510-00-220-6146	4- by 4- by 88-in	2
5530-00-128-4981	2- by 4- by 81-in	2
7510-00-266-5016	Plywood, ¾- by 2- by 12-in	
1670-00-937-0271	Tape, adhesive, 2-in	
	Tiedown assembly, 15-ft	
8305-00-268-2411	Webbing:	
8305-00-082-5752	Cotton, type I, ¼-inch	
	Nylon, tubular, ½-in	
	ft = feet, in = inch, lb = pound, d = penny, gal= gallon, yd = yard, diam = diameter	

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Glossary

AF	Air Force
AFJI	Air Force joint instruction
AFMAN	Air Force manual
AR	Army Regulation
DA	Department of the Army
DLAI	Defense Logistics Agency instruction
FM	field manual
HDDS	heavy drop derigging system
JP	Joint publication
MCO	Marine Corps order
MCRP	Marine Corps reference publication
NAVSEA	Naval Sea Systems Command
NAVSUP	Naval Supply Systems Command
NSN	national stock number
OPNAVINST	Chief of Naval Operations instruction
TM	technical manual
TO	technical order
U.S.	United States

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Index

Entries are listed by page number unless indicated otherwise.

A

Accompanying Load, 2-7

B

Building and Installing Front Sling Spreader, 8-24

Building and Installing Middle Sling Spreader, 8-25

Building and Installing Rear Sling Spreader, 8-28

Building and Positioning Honeycomb, 3-5, 4-4, 7-4, 8-3

Building and Positioning Honeycomb Stacks, 5-6, 6-6

Building Frame Support, 3-27, 4-15, 5-38, 6-40, 7-27, 8-20

Building Suspension Sling Spreaders, 4-39

C

Constructing and Installing Rear Suspension Sling Spreader, 5-56, 6-59

Constructing and Installing Front Suspension Sling Spreaders, 3-45, 5-46, 6-48, 7-38

Constructing and Installing Rear Suspension Sling Spreader, 3-41, 7-33

Constructing and Instlling Parachute Stowage Platform, 8-45

Constructing, Positioning, and Securing Parachute Stowage Platform, 7-47

D

Description of Items, 1-1, 2-1

Description of load, 7-1

Description of Load, 3-1, 4-1, 5-1, 6-1, 8-1

E

Equipment Required, 3-58, 4-51, 5-66, 6-75, 7-55, 8-50

I

Installing and Safetying Suspension Slings, 8-42

Installing Deadman's Tie, 6-70, 7-51

Installing Engine Supports and Frame, 4-17

Installing Engine Supports and Frame Support, 3-29, 5-42, 6-44, 7-31

Installing Extraction System, 3-56, 4-50, 6-74, 7-54, 8-49

Installing Lashings, 3-34, 4-34, 5-51, 6-53, 7-43, 8-33

Installing Load Cover, 3-52, 4-30, 8-44

Installing Load Cover and Deadman's Tie, 5-62

Installing Provision for Emergency Restraints, 5-66, 6-75, 7-55, 8-50

Installing Provisions for Emergency Restraints, 3-58

Installing Provisions For Emergency Restraints, 4-51

Installing Release System, 3-55, 4-49, 5-64, 6-73, 7-53, 8-48

Installing Spare Tire and Hard Cab Cover, 8-37

Installing Suspension Sling Spreaders, 4-43

Installing Suspension Slings and Antitumble Slings, 5-59, 6-67, 7-49

Installing Suspension Slings and Deadman's Tie, 3-53, 4-47

L

Lashing Cab Cover and Middle Sling Spreader to Platform, 8-40

M

Marking Rigged Load, 3-58, 4-51, 5-66, 6-75, 7-55, 8-50

Modifying Truck, 2-3

P

Placing Extraction Parachute, 3-58, 4-51, 5-66, 6-75, 7-55, 8-50

Positioning Truck, 3-32, 4-31, 5-44, 6-46, 7-36

Positioning Truck and Installing Heavy Drop Derigging System, 8-31

Preparing Hard Overhead Cab Cover, 8-36

Preparing Platform, 3-2, 4-2, 5-3, 6-3, 7-2, 8-1

Preparing Truck, 3-16, 4-19, 5-23, 6-25

R

Removing Truck Components, 3-16, 4-15, 5-23, 6-25, 7-21, 8-16

S

Securing Spare Tire, 6-62

Securing, Lashing, and Covering Troop Seats, 6-64

Special Considerations, 2-3

Stowing Body Side Racks, 3-44

Stowing Cargo Parachutes, 3-54, 4-48, 5-63, 6-71, 7-52, 8-47

Stowing Truck Components, 3-38

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TM 4-48.06/TO 13C7-2-481
(FM 10-526/TO 13C7-2-481)
15 March 2016

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