




ARNG WTC Pathfinder MTT


Slingloads Nomenclature Packet




Common Slingload Equipment




Note: Students are required to know both proper nomenclature and all rated capacities.



Aerial Delivery Sling Type XXVI Multi-Loop Line





Rated capacity in pounds		
# of loops	Pendant	Lifting Provision
2	8,900	5,600
3	13,500	8,500
4	17,800	11,200
6	27,000	17,000



Aerial Delivery Sling Type XXVI Multi-Loop Line





Lengths in feet	
# of loops	Lengths Available
2	3, 9, 11, 12, 16, 20, and 120
3	60 and 140
4	3, 9, 11, 12, 16, 20, and 28
6	60 and 120

 **Three-Foot Apex Ring or Donut Ring (Aerial Delivery Sling with Type IV Connector Link)** 




1. Three-Foot Apex Ring or Donut Ring-Rated capacity: 10,000 lbs
2. Type IV Connector Link-Rated capacity: 12,500 lbs
3. Base Plate
4. Aluminum Buffers
5. Locking Plate
6. Cotton Buffer


 **Two-point Link Assembly** 




1. Two-point Link Assembly – Rated capacity: 25,000 lbs



Suspension Clevises





1. Small Suspension Clevis	Rated capacity: 6,250 lbs	Lifting provision: 3,750 lbs
2. Medium Suspension Clevis	Rated capacity: 6,250 lbs	Lifting provision: 3,750 lbs
3. Large Suspension Clevis	Rated capacity: 12,500 lbs	Lifting provision: 7,875 lbs
4. Nut		
5. Bolt		






Cargo Tie-Down Equipment





1. A7A Strap – Rated capacity: 500 lbs
2. Friction Adapter
3. CGU-1/B – Rated capacity: 5,000 lbs

 **Cargo Tie-Down Equipment** 



1. 15 Foot Tie-Down Strap or Dacron Lashing – Rated capacity: 10,000 lbs
2. D-Ring
3. Silver Load Binder – Rated capacity: 5,000 lbs
4. Black Load Binder – Rated capacity: 10,000 lbs

 **10,000 Lbs Sling Set (One Leg)** 



1. 10,000 lbs Apex Fitting- Rated capacity: 10,000 lbs
2. 10,000 lbs Sling Leg- Rated capacity: 2,500 lbs
3. Chain
4. Grabhook Assembly

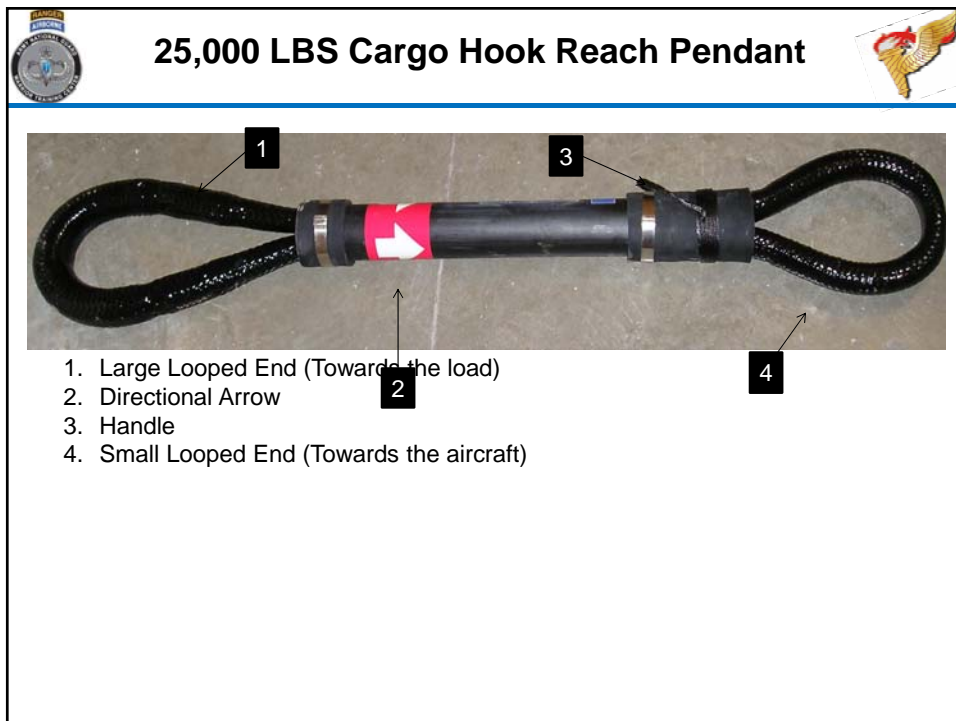
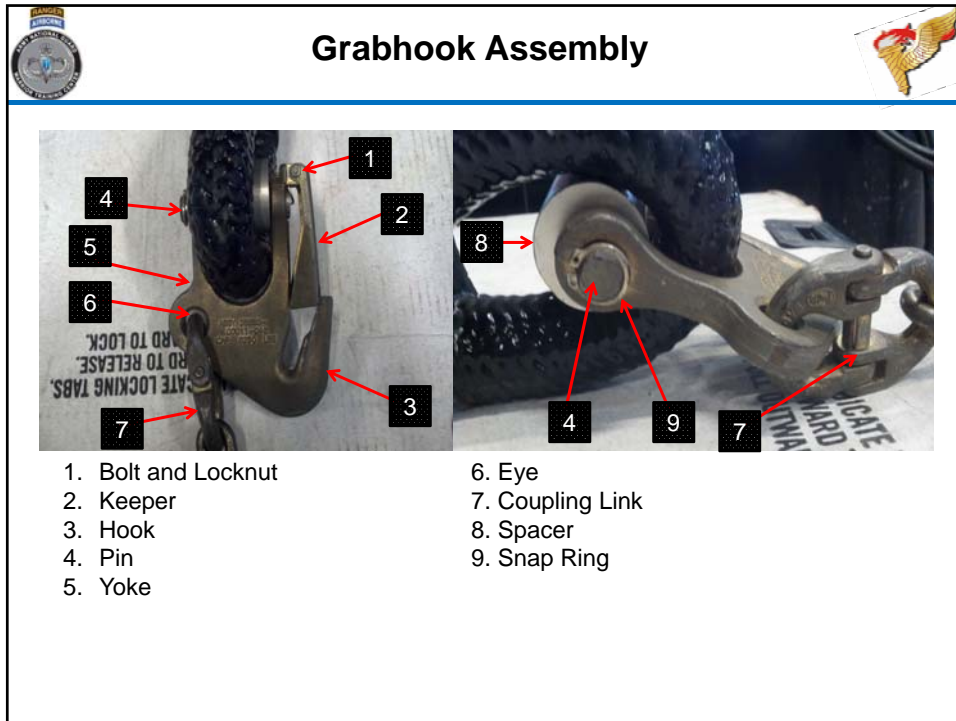
10,000 LBS Sling Set		
	APEX FITTING	
MATERIAL		ALUMINUM
PIN SIZE		1 1/8 INCH DIAM.
WEIGHT		4 1/2 LBS
	SLING LEG	
ROPE COLOR		OLIVE DRAB
LENGTH		12 FEET
ROPE DIAMETER		7/8 INCH
	CHAIN	
LINKS		110 - 115
LENGTH		8 FEET
TOTAL WEIGHT		52 LBS



25,000 Lbs Sling Set (One Leg)	
	
1.	25,000 lbs Apex Fitting- Rated capacity: 25,000 lbs
2.	25,000 lbs Sling Leg- Rated capacity: 6,250 lbs
3.	Chain
4.	Grabhook Assembly

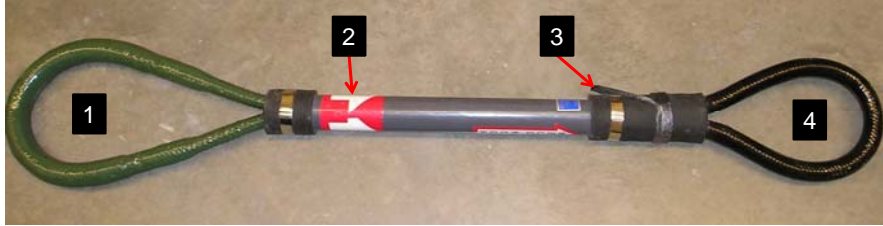
25,000 LBS Sling Set		
	APEX FITTING	
MATERIAL		STEEL
PIN SIZE		1 1/2 INCH DIAM.
WEIGHT		10 LBS
	SLING LEG	
ROPE COLOR		BLACK
LENGTH		12 FEET
ROPE DIAMETER		1 1/4 INCH
	CHAIN	
LINKS		84 - 88
LENGTH		8 FEET
TOTAL WEIGHT		114 LBS

Apex Fitting

1. Apex Shackle
 - 1a. Rated capacity: 10,000 lbs.
 - 1b. Rated capacity: 25,000 lbs.
2. Apex Fitting Pin
 - 2a. 1 1/8 Inch diameter
 - 2b. 1 1/2 Inch diameter
3. Apex Spacer
4. Castellated Nut
5. 3/8 Inch Drilled Bolt
6. Cotter Pin





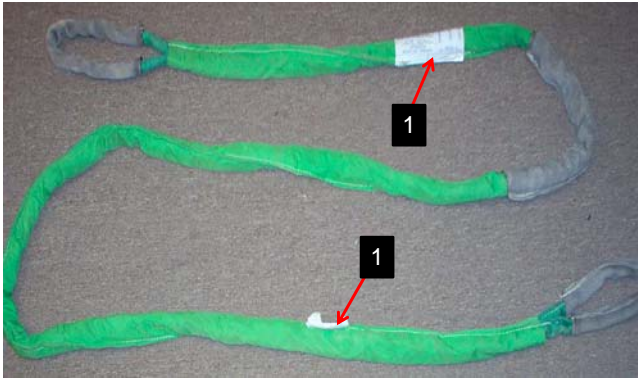
 **11,000 LBS Cargo Hook Reach Pendant** 



The image shows a 11,000 LBS Cargo Hook Reach Pendant. It consists of a central grey handle with a red and white directional arrow pointing to the left. On the left end, there is a large green looped end. On the right end, there is a smaller black looped end. The handle has a textured grip and a small blue label near the right loop.


1. Large Looped End (Towards the load)
2. Directional Arrow
3. Handle
4. Small Looped End (Towards the aircraft)

 **Polyester Round Sling** 





The image shows a Polyester Round Sling. It is a long, green, woven polyester strap with two grey webbing loops at each end. Two white identification tags are attached to the strap, one near each loop. Red arrows point from the number '1' to each tag.

1. Identification Tag (One must be legible)




Polyester Round Slings




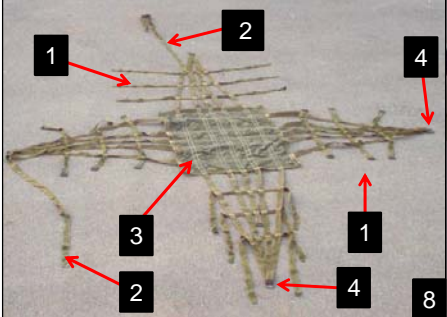
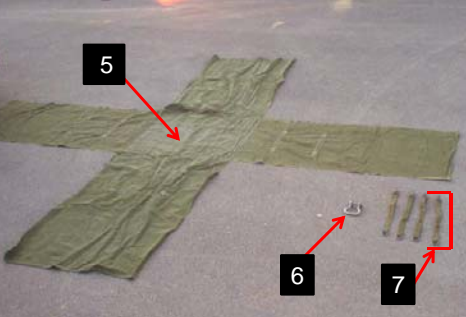


Rated capacity in pounds by hitch type					
Length in feet	Color	Choked	Vertical	Basket	Weight in Lbs
8	Green	4,200	5,300	10,600	4
17	Green	4,200	5,300	10,600	10
8	Yellow	6,700	8,400	16,800	5
17	Yellow	6,700	8,400	16,800	11
30	Red	10,600	13,200	26,400	26
65	Blue	17,000	21,200	42,400	75
70	Blue	17,000	21,200	42,400	81



A22 Cargo Bag








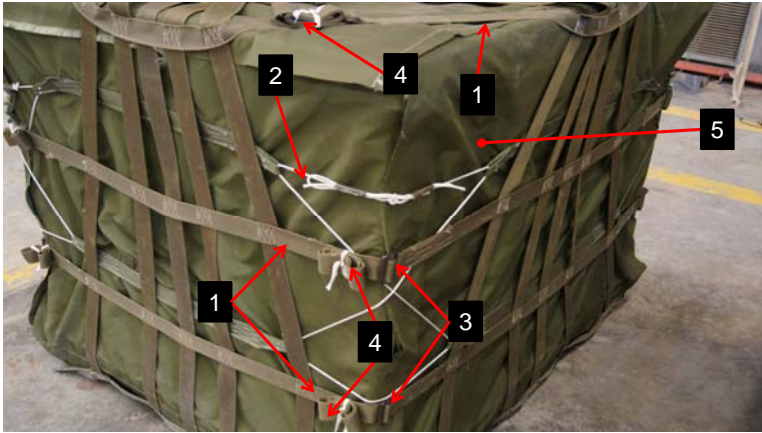
1. Lateral Strap
2. 188 Inch Strap
3. Scuff Pad
4. D-Ring
5. Canvas Cover (Optional)
6. Medium Suspension Clevis – Rated capacity: 6,250 lbs
7. 24 Inch Suspension Web – Rated capacity: 550 lbs (each)
8. Sling assembly

 **A22 Cargo Bag** 





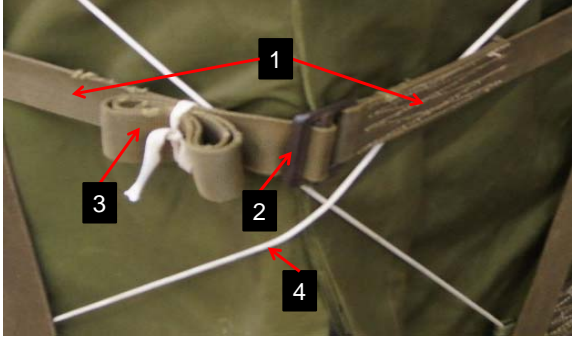
1. Lateral Strap
2. Lacing Cord
3. 188 Inch Strap
4. Canvas Cover (Optional)

 **A22 Cargo Bag** 





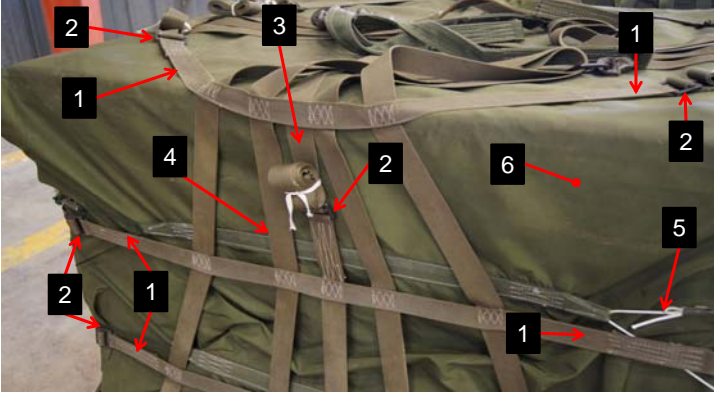
1. Lateral Strap
2. Lacing Cord
3. Friction Adapter
4. Excess Lateral Strap
5. Canvas Cover (Optional)

 **A22 Cargo Bag** 





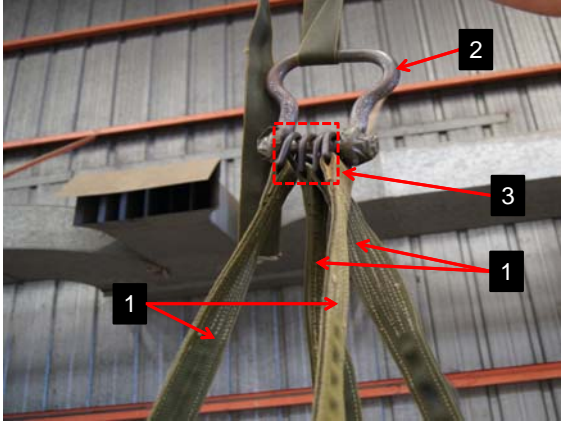
1. Lateral Strap
2. Friction Adapter
3. Excess Lateral Strap
4. Lacing Cord

 **A22 Cargo Bag** 





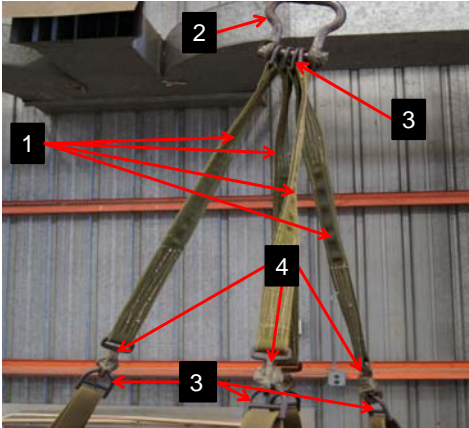
1. Lateral Strap
2. Friction Adapter
3. 188 Inch Strap
4. Excess 188 Inch Strap
5. Lacing Cord
6. Canvas Cover (Optional)

 **A22 Cargo Bag** 






1. 24 Inch Suspension Web
2. Medium Suspension Clevis
3. D-Ring

 **A22 Cargo Bag** 





1. 24 Inch Suspension Web
2. Medium Suspension Clevis
3. D-Ring
4. Connector Snap

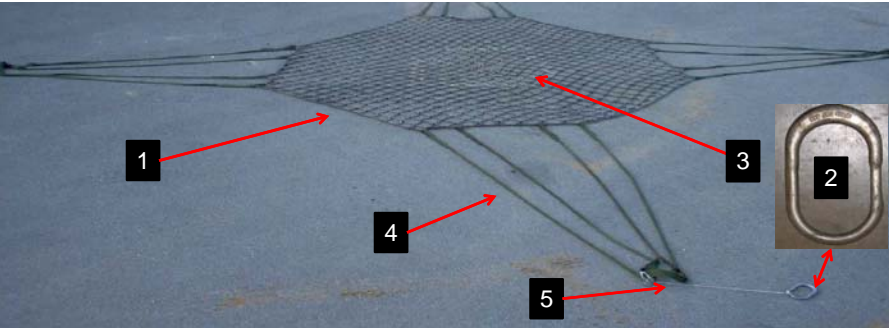
 **A22 Cargo Bag** 



The image shows a black, heavy-duty webbing strap with a connector snap at one end and a D-ring at the other. A red box highlights the entire strap, and red arrows point to the connector snap and the D-ring.



1. 24 Inch Suspension Web
2. Connector Snap
3. D-Ring

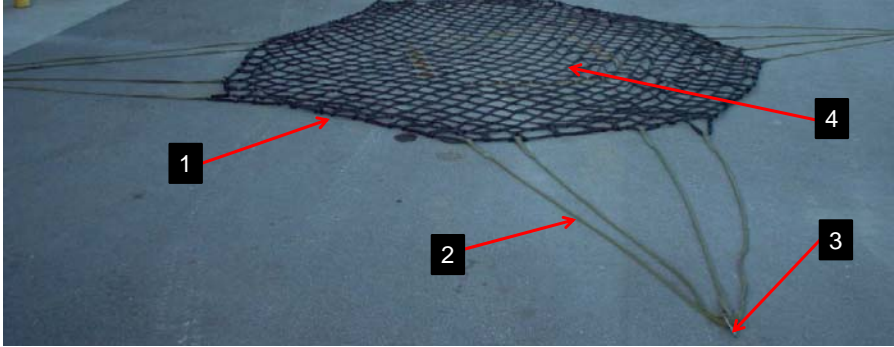
 **5K Cargo Net** 



The image shows a large, square, grey mesh net with four lifting legs. A red arrow points to the net, another to the apex fitting, and another to the hook. An inset image shows a close-up of the apex fitting with a red arrow pointing to it.



1. 5k Cargo Net: Rated capacity: 5,000 Lbs
Size: 15 ft x 15 ft
Mesh size: 6 in x 6 in
2. Net Apex Fitting: Rated capacity: 10,000 Lbs
3. Load Zone: Size: 5 ft x 5 ft
4. Lifting Leg
5. Hook

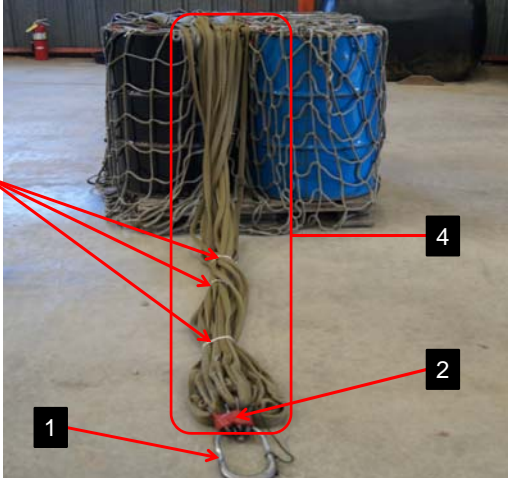
 **10k Cargo Net** 





1. 10k Cargo Net: Rated capacity: 10,000 Lbs
Size: 18 ft x 18 ft
Mesh size: 7.5 in x 7.5 in

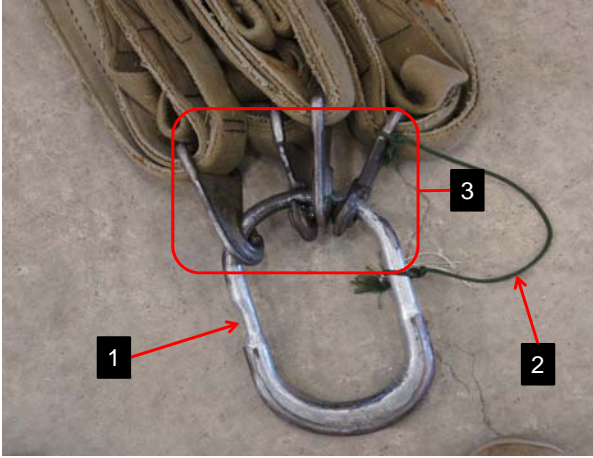
2. Lifting Leg
3. Hook
4. Load Zone: 6 ft x 6 ft

 **Cargo Nets** 





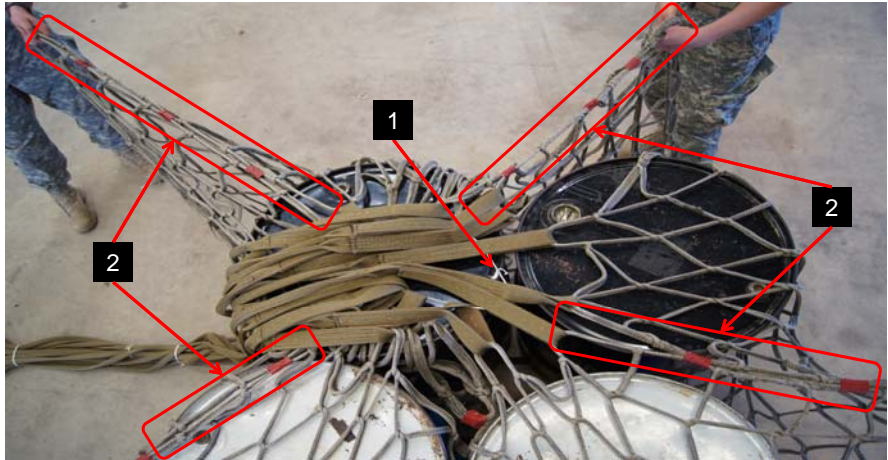
1. Net Apex Fitting
2. Tape (around hooks)
3. Breakaway Tie
4. Lifting Legs

 **Cargo Nets** 





1. Net Apex Fitting (arrow points at the notch to attach the hooks)
2. Net Apex Tether Cord (tied opposite to the notch)
3. Hook (Hooks must be taped or tied, tape/tie omitted in picture to show alternating hook sequence)

 **Cargo Nets** 



1. Breakaway Tie
2. Border Cord

 **Equipment, Trailers and Vehicles** 



The equipment in the following slides will be taught during the course.


The nomenclature applies to all Series and Variants of the same type of load. The models listed and shown are for example purposes. Models or variants used at your training site may differ but the nomenclature stays the same. This includes cargo-type wheeled vehicles versus personnel or armament carrier-types and vehicles with or without turrets.

 **M1025/1026/1097 HMMWV** 





1. Wheel

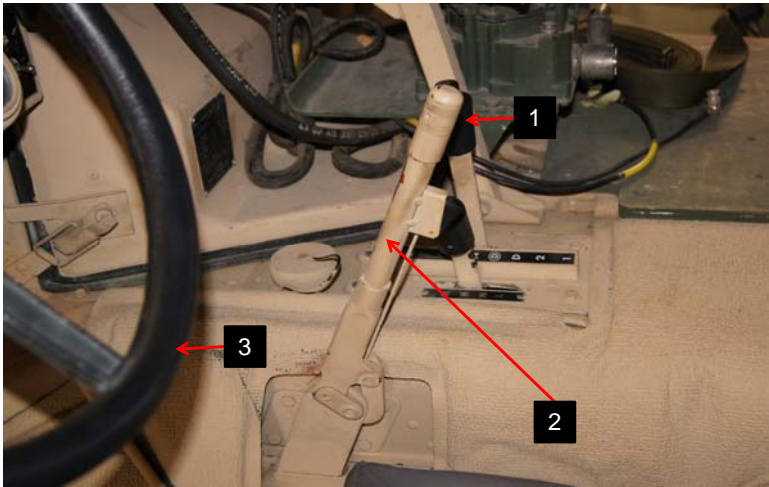
 **M1025/1026/1097 HMMWV** 



1. Hood Latch
2. Data Plate



Detailed description: This photograph shows the interior of an M1025/1026/1097 HMMWV. The view is from the driver's side looking towards the front. A red arrow labeled '1' points to a latch mechanism on the left side of the dashboard area. Another red arrow labeled '2' points to a small rectangular plate mounted on the right side of the dashboard. The vehicle's interior is light-colored, and the seats are dark blue.

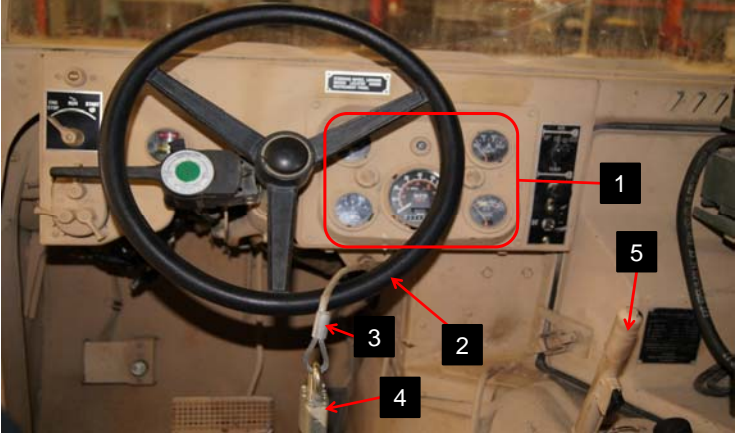
 **M1025/1026/1097 HMMWV** 



1. Transmission Selector
2. Parking Brake
3. Steering Wheel

Detailed description: This photograph provides a close-up view of the driver's footwell area in an M1025/1026/1097 HMMWV. A red arrow labeled '1' points to a vertical lever, the transmission selector. A red arrow labeled '2' points to a horizontal lever, the parking brake. A red arrow labeled '3' points to the steering wheel. The area is filled with various mechanical components, hoses, and wiring.

 **M1025/1026/1097 HMMWV** 



1. Instrument Cluster
2. Steering Wheel
3. Cable
4. Lock
5. Parking Brake

 **M1025/1026/1097 HMMWV** 



1. Seat Pin

 **M1025/1026/1097 HMMWV** 



1. Seat Latch

 **M1025/1026/1097 HMMWV** 





1. Fuel Cap

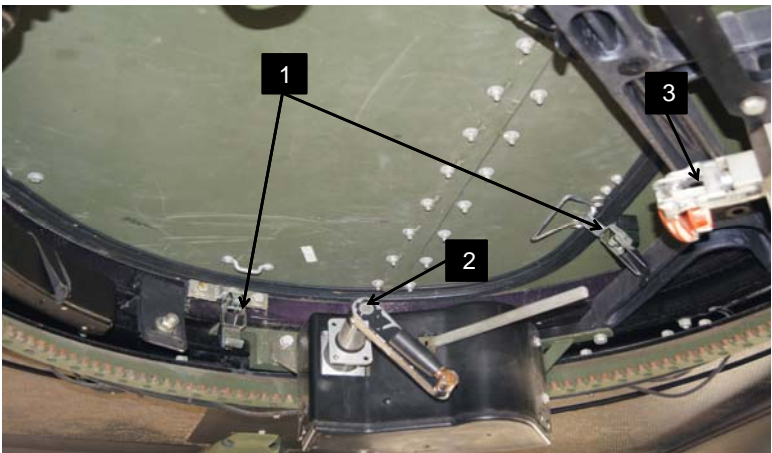


 **M1114/1151 HMMWV** 





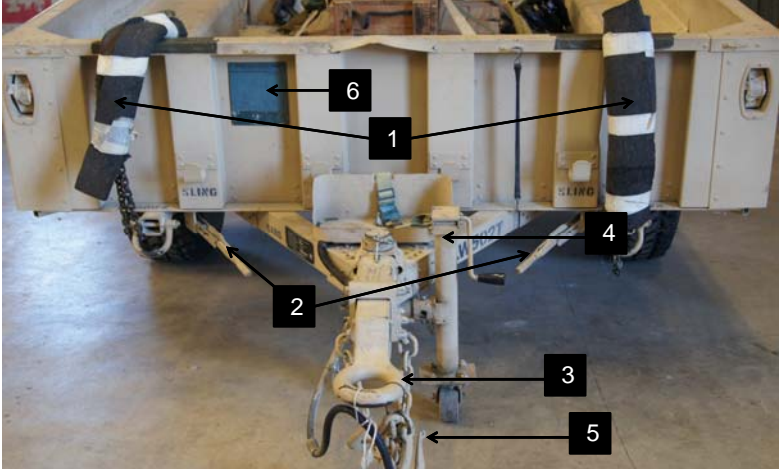
1. Turret Lock

 **M1114/1151 HMMWV** 





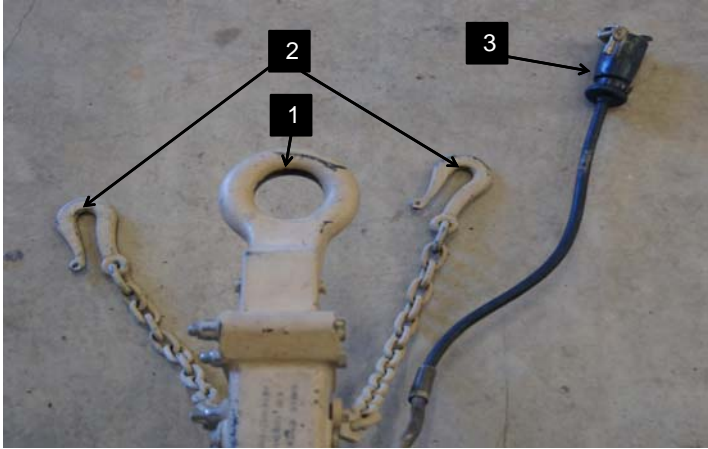
1. Turret Latch
2. Turret Handle
3. Turret Lock

 **M1101 High Mobility Trailer** 

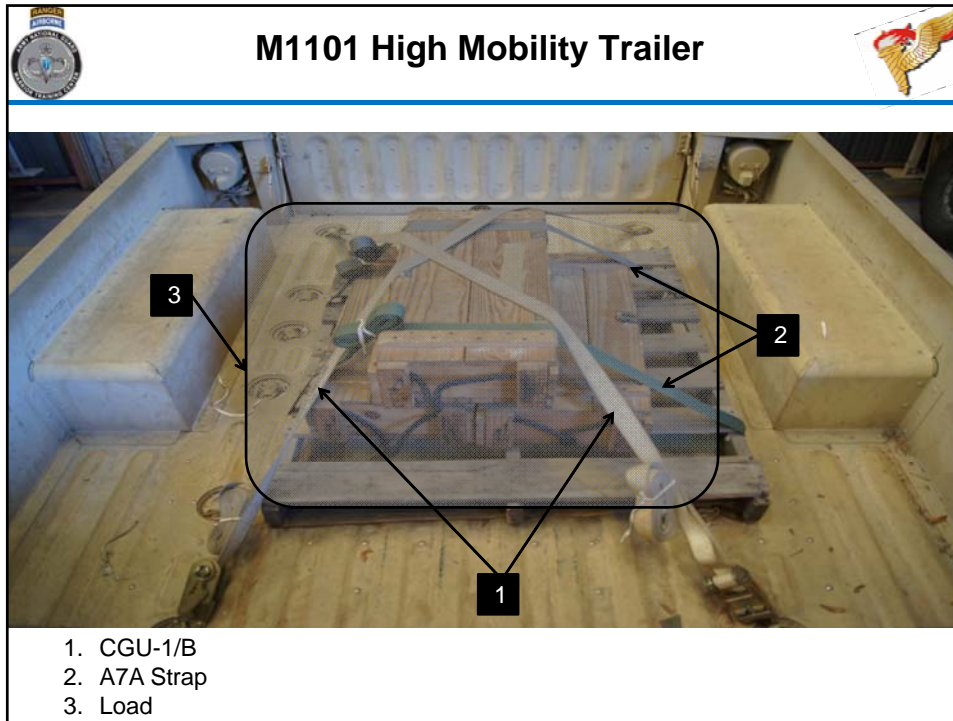




1. Cattle Hair Felt
2. Parking Brake
3. Lunette
4. Front Jack
5. Safety Chains
6. Data Plate

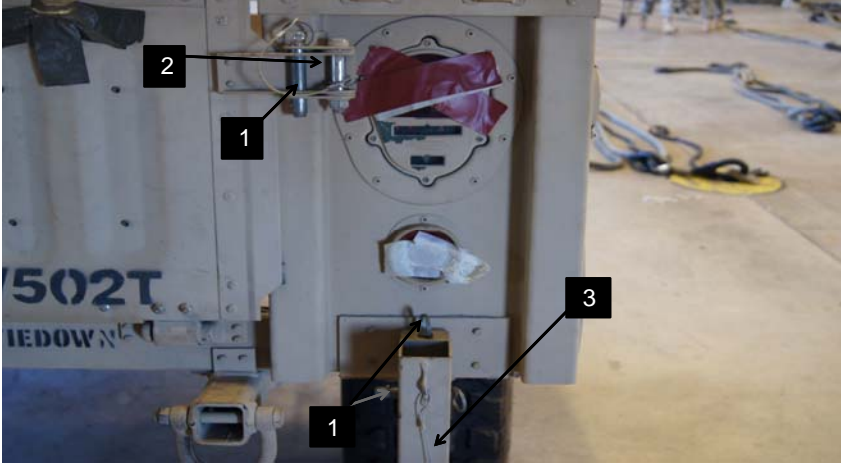
 **M1101 High Mobility Trailer** 



1. Lunette
2. Safety Chains
3. Light Cable



 **M1101 High Mobility Trailer** 



1. Manufactured Pin
2. Tailgate Latch
3. Stabilizer Leg

 **M1101 High Mobility Trailer** 



1. Stabilizer Leg
2. Manufactured Pin

 **M1101 High Mobility Trailer** 



1. Cattle Hair Felt