ASSEMBLY GUIDE

H40.00-48.00XM-12 (H800-1050HD/HDS) [A917]; H36XMS-12, H40XM-12, H44XM-12, H48XM-12 (H800HD, H1050HD) [B917]; H40XM-12, H44XM-12, H48XM-12, H36XMS-12, H40XMS-12, H44XMS-12, H48XMS-12 (H800HDS, H900HDS, H970HDS, H1050HDS, H900HD, H970HD, H1050HD) [C917]



SAFETY PRECAUTIONS MAINTENANCE AND REPAIR

- The Service Manuals are updated on a regular basis, but may not reflect recent design changes to the product. Updated technical service information may be available from your local authorized Hyster[®] dealer. Service Manuals provide general guidelines for maintenance and service and are intended for use by trained and experienced technicians. Failure to properly maintain equipment or to follow instructions contained in the Service Manual could result in damage to the products, personal injury, property damage or death.
- When lifting parts or assemblies, make sure all slings, chains, or cables are correctly fastened, and that the load being lifted is balanced. Make sure the crane, cables, and chains have the capacity to support the weight of the load.
- Do not lift heavy parts by hand, use a lifting mechanism.
- Wear safety glasses.
- DISCONNECT THE BATTERY CONNECTOR before doing any maintenance or repair on electric lift trucks. Disconnect the battery ground cable on internal combustion lift trucks.
- Always use correct blocks to prevent the unit from rolling or falling. See HOW TO PUT THE LIFT TRUCK ON BLOCKS in the **Operating Manual** or the **Periodic Maintenance** section.
- Keep the unit clean and the working area clean and orderly.
- Use the correct tools for the job.
- Keep the tools clean and in good condition.
- Always use **HYSTER APPROVED** parts when making repairs. Replacement parts must meet or exceed the specifications of the original equipment manufacturer.
- Make sure all nuts, bolts, snap rings, and other fastening devices are removed before using force to remove parts.
- Always fasten a DO NOT OPERATE tag to the controls of the unit when making repairs, or if the unit needs repairs.
- Be sure to follow the WARNING and CAUTION notes in the instructions.
- Gasoline, Liquid Petroleum Gas (LPG), Compressed Natural Gas (CNG), and Diesel fuel are flammable. Be sure to follow the necessary safety precautions when handling these fuels and when working on these fuel systems.
- Batteries generate flammable gas when they are being charged. Keep fire and sparks away from the area. Make sure the area is well ventilated.

NOTE: The following symbols and words indicate safety information in this manual:

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury and property damage.

On the lift truck, the WARNING symbol and word are on orange background. The CAUTION symbol and word are on yellow background.

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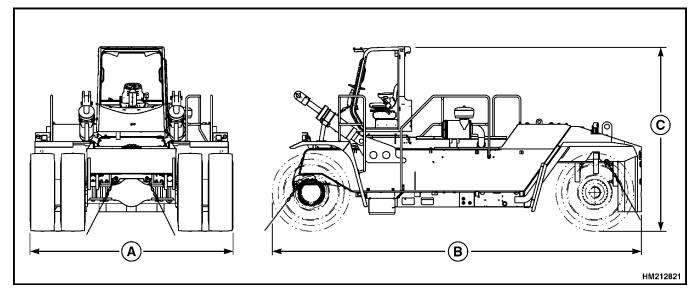
H40.00-48.00XM-12 (H800-1050HD/HDS) [A917]; H36XMS-12, H40XM-12, H44XM-12, H48XM-12 (H800HD, H1050HD) [B917]; H40XM-12, H44XM-12, H48XM-12, H36XMS-12, H40XMS-12, H44XMS-12, H48XMS-12 (H800HDS, H900HDS, H970HDS, H1050HDS, H900HD, H970HD, H1050HD) [C917]

General



Read all the instructions contained in this manual before starting any work on the unit. Also read all procedures contained in the Operating Manual before operating the truck. Make sure to check all fluid levels and tire pressures before moving the truck from the trailer. This manual contains the information that is required for transportation and reassembly of truck series A917, B917, and C917. The information covers each component that may have been disassembled for transportation purposes. Select the appropriate assembly procedures accordingly.

Weight and Dimensions



A. WIDTHB. LENGTH

C. HEIGHT

Figure 1. Basic Tru	k A917 Width, Length, and Height
---------------------	----------------------------------

Model	Width	Length	Height	Weight	
				MIN	MAX
H36.00XM-12/	4,230 mm	7,180 mm	3,845 mm	36,900 kg	39,750 kg
H800HD	(127 in.)	(282.6 in.)	(151.3 in.)	(81,350 lb)	(87,633 lb)
H40.00XMS-12/	4,230 mm	7,180 mm	3,845 mm	40,000 kg	43,000 kg
H900HD	(127 in.)	(282.6 in.)	(151.3 in.)	(88,184 lb)	(94,798 lb)
H44.00XMS-12/	4,230 mm	7,180 mm	3,845 mm	41,950 kg	44,750 kg
H970HDS	(127 in.)	(282.6 in.)	(151.3 in.)	(92,483 lb)	(98,656 lb)
H48.00XMS-12/	4,230 mm	7,180 mm	3,845 mm	45,000 kg	48,050 kg
H1050HDS	(127 in.)	(282.6 in.)	(151.3 in.)	(99,208 lb)	(105,932 lb)
H40.00XM-12	4,230 mm	7,690 mm	3,845 mm	37,400 kg	40,050 kg
	(127 in.)	(302.7 in.)	(151.3 in.)	(82,452 lb)	(88,295 lb)
H44.00XM-12	4,230 mm	7,690 mm	3,845 mm	39,550 kg	42,250 kg
	(127 in.)	(302.7 in.)	(151.3 in.)	(87,192 lb)	(93,145 lb)
H48.00XM-12/	4,230 mm	7,690 mm	3,845 mm	41,950 kg	44,750 kg
H1050HD	(127 in.)	(302.7 in.)	(151.3 in.)	(92,483 lb)	(98,656 lb)

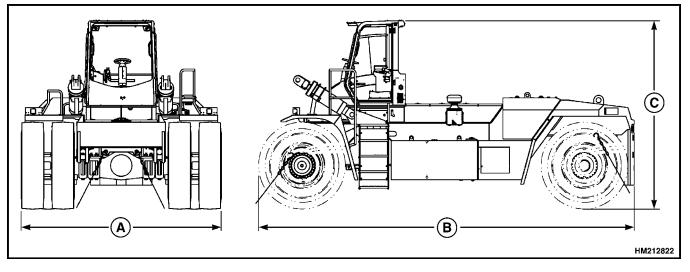
 Table 1. Basic Truck A917

NOTE: Height dimension is for trucks with open cab and cab lights removed or fitted upside down.

• Add 43 mm (1.6 in.) to the height for closed cab without airco.

• Add 78 mm (3 in.) to the height for closed cab with airco.

• Add 105 mm (4 in.) when fitted with 18.00×33 tires.



A. WIDTH**B.** LENGTH

C. HEIGHT

Figure 2.	Basic	Truck E	3917 and	d C917	Width.	Lenath.	and Height
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Model	Width	Length	Height	Weight	
				MIN	MAX
H36XMS-12/	4,210 mm	7,250 mm	3,890 mm	36,900 kg	39,750 kg
H800HDS	(165.7 in.)	(385.4 in.)	(153.1 in.)	(81,350 lb)	(87,633 lb)
H40XMS-12/	4,210 mm	7,250 mm	3,890 mm	40,000 kg	43,000 kg
H900HDS	(165.7 in.)	(385.4 in.)	(153.1 in.)	(88,184 lb)	(94,798 lb)
H44XMS-12/	4,210 mm	7,250 mm	3,890 mm	41,950 kg	44,750 kg
H970HDS	(165.7 in.)	(385.4 in.)	(153.1 in.)	(92,483 lb)	(98,656 lb)
H48XMS-12/	4,210 mm	7,250 mm	3,890 mm	45,000 kg	48,050 kg
H1050HDS	(165.7 in.)	(385.4 in.)	(153.1 in.)	(99,208 lb)	(105,932 lb)
H40XM-12/	4,210 mm	7,765 mm	3,890 mm	37,400 kg	40,050 kg
H900HD	(165.7 in.)	(305.7 in.)	(153.1 in.)	(82,452 lb)	(88,295 lb)
H44XM-12/	4,210 mm	7,765 mm	3,890 mm	39,550 kg	42,250 kg
H970HD	(165.7 in.)	(305.7 in.)	(153.1 in.)	(87,192 lb)	(93,145 lb)
H48XM-12/	4,210 mm	7,765 mm	3,890 mm	41,950 kg	44,750 kg
H1050HD	(165.7 in.)	(305.7 in.)	(153.1 in.)	(92,483 lb)	(98,656 lb)

Table 2. Basic Truck B917 and C917

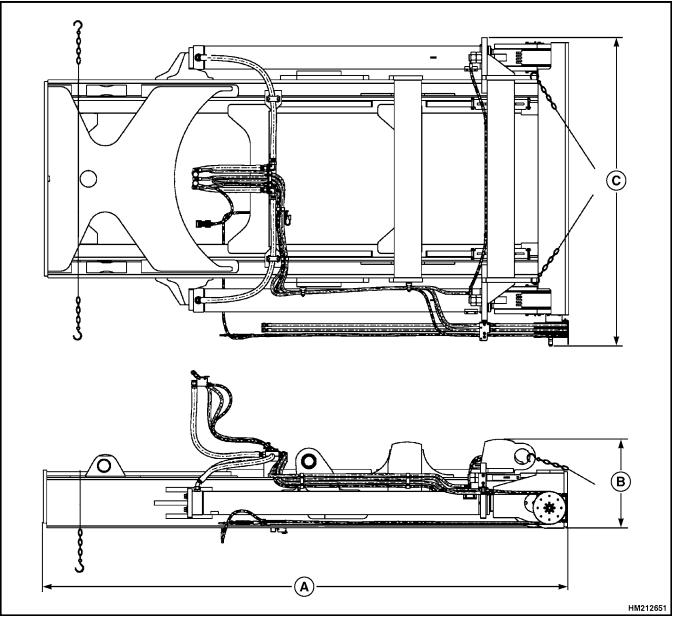
NOTE: The indicated height dimension is for trucks without airco and with the cab lights removed or fitted upside down.

• Add 35 mm (1.4 in.) to the height for closed cab with airco.

• Add 100 mm (4 in.) to the height when fitted with 18.00×33 tires.

NOTE: The indicated length dimension is for trucks with 18.00 x 25 tires.

• Add 100 mm (4 in.) to the length dimension when fitted with 18.00×33 tires.



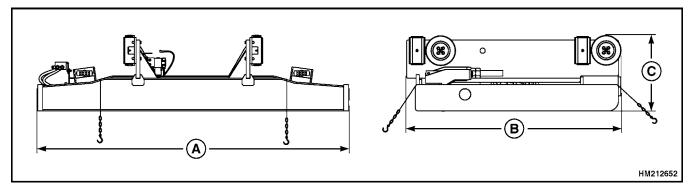
C. WIDTH



Figure 3. Mast Width, Length, and Height

Lift Height	Length	Height	Width	Weight
4,267 mm	4,760 mm	806 mm	2,800 mm	9,220 kg
(167.9 in.)	(187.4 in.)	(31.7 in.)	(110 in.)	(20,326 lb)
7,010 mm	6,130 mm	806 mm	2,800 mm	11,110 kg
(275.9 in.)	(241 in.)	(31.7 in.)	(110 in.)	(24,493 lb)
8,534 mm	6,895 mm	806 mm	2,800 mm	12,400 kg
(335.9 in.)	(271.4 in.)	(31.7 in.)	(110 in.)	(27,337 lb)
9,144 mm (360 in.)	7,200 mm	806 mm	2,800 mm	12,780 kg
	(283.4 in.)	(31.7 in.)	(110 in.)	(28,175 lb)
9,754 mm (384 in.)	7,505 mm	806 mm	2,800 mm	13,220 kg
	(295.4 in.)	(31.7 in.)	(110 in.)	(29,145 lb)
12,650 mm (498 in.)	9,030 mm	806 mm	2,800 mm	16,200 kg
	(355.5 in.)	(31.7 in.)	(110 in.)	(35,714 lb)

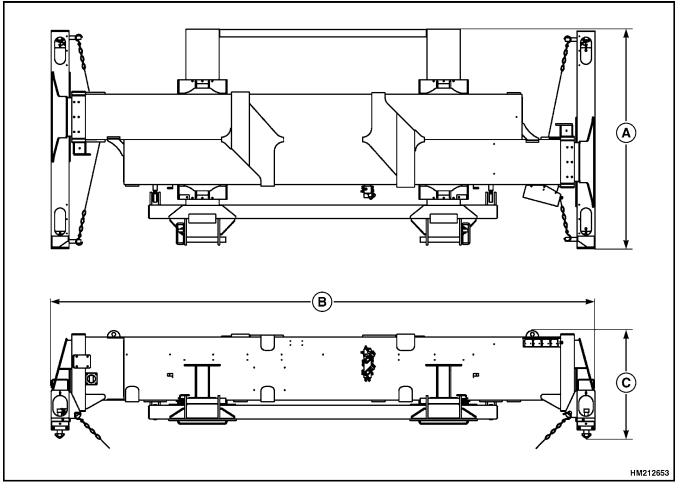




A. LENGTH B. WIDTH C. HEIGHT

Table 4. Carriage

Model	Туре	Length	Width	Height	Weight
ALL	Standard Carriage	3,165 mm (124.6 in.)	2,175 mm (85.6 in.)	765 mm (30 in.)	3,130 kg (6,900 lb)
36.00-48.00 (800-1050) (18.00X25 Tires)	Side Shift Carriage	3,165 mm (124.6 in.)	2,225 mm (87.5 in.)	840 mm (33 in.)	5,060 kg (11,155 lb)
36.00-48.00 (800-1050) (18.00X33 Tires)	Side Shift Carriage	3,165 mm (124.6 in.)	2,245 mm (88 in.)	945 mm (37 in.)	5,410 kg (11,927 lb)



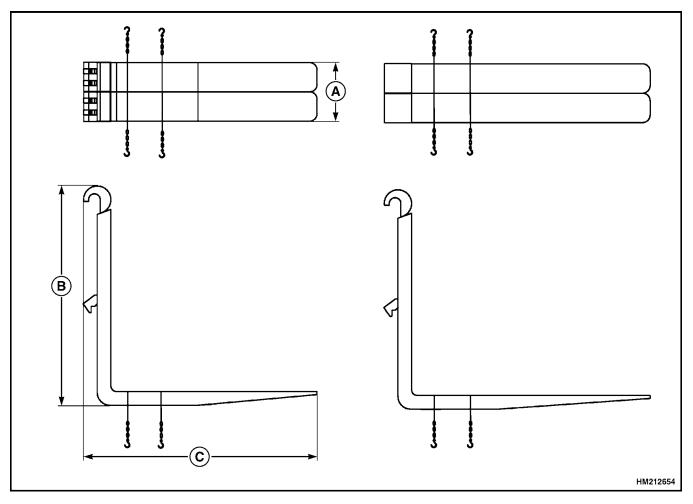
C. HEIGHT

A. WIDTHB. LENGTH

Figure 5. Container Attachment Width, Length, and Height (optional for A917 and B917)

Width	Length	Height	Weight
2,433 mm	6,042 mm	1,193 mm	7,400 kg
(95.7 in.)	(237.8 in.)	(46.9 in.)	(16,314 lb)

Table 5. Container Attachment (optional for A917 and B917)



A. WIDTH B. HEIGHT **C.** LENGTH

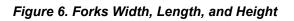


Table 6. Forks

Туре	Width	Height	Length	Weight
QD 5.5X12-96	600 mm	2,240 mm	2,720 mm	2,680 kg
	(23.6 in.)	(88 in.)	(107 in.)	(5,908 lb)
QD 5.5X12-83	600 mm	2,240 mm	2,390 mm	2,560 kg
	(23.6 in.)	(88 in.)	(94 in.)	(5,643 lb)

Loading Procedures

LOADING TRUCK ON A TRANSPORT

🙆 WARNING

Stay a safe distance from the edge of docks, ramps, platforms, and other similar working surfaces. Watch the "tail swing". Remember when traveling in the forward direction and the steering wheel is turned to move the lift truck away from the edge of the dock, the rear will swing toward the edge. This can cause the lift truck to fall off the dock.

🛕 WARNING

IF THE LIFT TRUCK FALLS OFF THE DOCK, DO NOT JUMP OFF! HOLD FIRMLY TO STEERING WHEEL, BRACE YOUR FEET, AND LEAN FOR-WARD AND AWAY FROM THE POINT OF IMPACT.

Before the lift truck is moved on transport, check the selected route to make sure there is enough clearance for the lift truck as loaded on the transport vehicle. Bridges, overpasses, power lines, and natural barriers can prevent clearance. Removal of the mast can be necessary.

If a trailer is the method of transportation, use blocks in front and back of the trailer tires to prevent movement of the trailer when the lift truck is loaded and unloaded. If a loading ramp is used, make sure that the ramp is the correct design and capacity. A crane can only be used to load or unload the lift truck if the lift truck is equipped with lifting eyes. Otherwise, the lift truck must be driven on or off the transport.

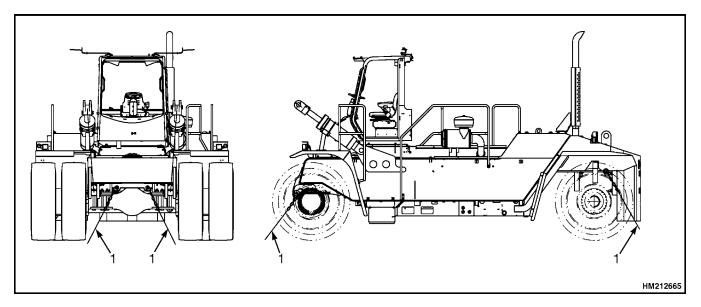
LOADING DISASSEMBLED COMPONENTS

- 1. Put blocks under the disassembled components for stability during transport and to allow loading and unloading with a fork lift. See Figure 7 through Figure 11.
- 2. When lifting the components with slings and/or hooks, attach these at the indicated lifting points and/or lifting eyes. Make sure the lifting device has the required capacity, see Figure 1 through Figure 6 for the weights of the components.

🛕 WARNING

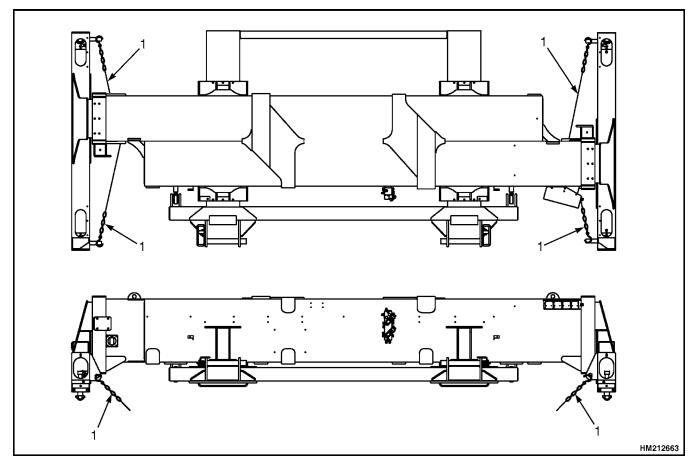
DO NOT use the bores for the mast pivot and the tilt cylinder mounting as a slinging point or as a tie down point.

3. Secure the components by connecting slings or chains to the indicated tie down points on Figure 7 through Figure 11 and the load surface of the trailer.



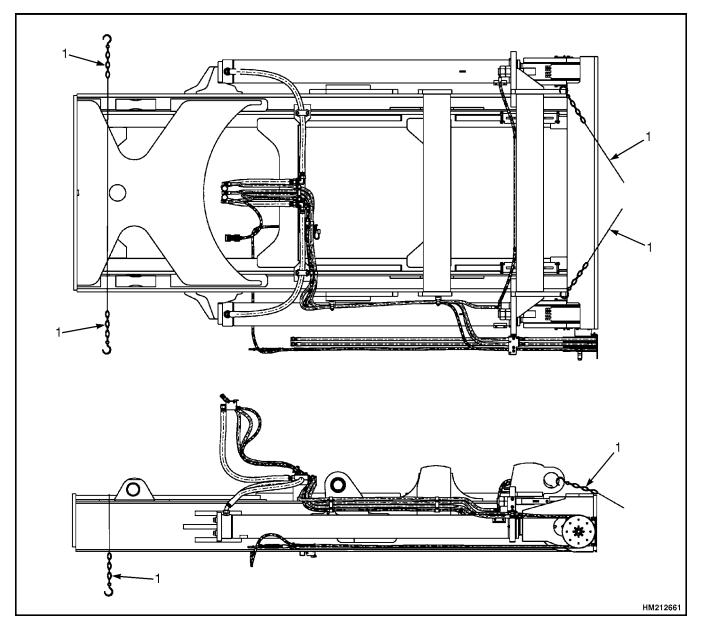
1. TIE DOWN POINT

Figure 7. Lift Truck Tie Down Placement



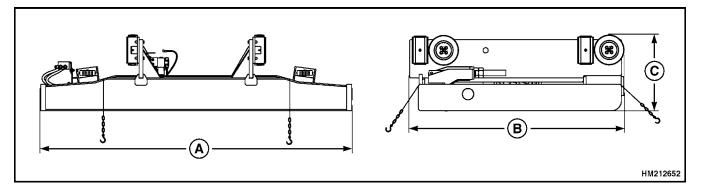
1. SLING OR TIE DOWN POINT





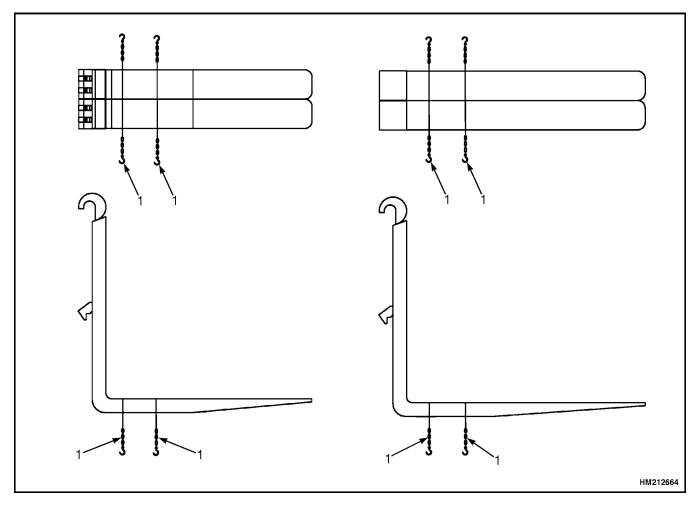
1. SLING OR TIE DOWN POINT





1. SLING OR TIE DOWN POINT





1. SLING OR TIE DOWN POINT

Figure 11. Forks Tie Down Placement

Unloading Procedures

UNLOADING TRUCK FROM TRANSPORT

Driving On/Off a Trailer

When the truck will be driven from a trailer make sure to have read and understood the Starting Procedures as described in the **Operating Manual**.

- **1.** Make sure the parking brake is applied.
- **2.** Disconnect the straps or chains that attach the truck to the trailer.
- **3.** Remove the wheel blocks.
- **4.** Start the truck, release the park brake and let a assistant provide directions when driving off the trailer.
- **5.** Park the truck. Apply the hand brake and turn the ignition **OFF**.

See the procedures under Moving and Towing if the truck cannot be started and must be moved.

See the procedures under Add Air Pressure to the Tires if air pressure in one of the tires is less than 80% of the pressure as indicated on the nameplate.

UNLOADING DISASSEMBLED COMPONENTS

To lift the components from a transport either use a fork lift or attach hooks and/or slings to the lifting eyes and slinging points as indicated on Figure 7 through Figure 11.

🙆 WARNING

DO NOT use the bores for the mast pivot and the tilt cylinder mounting as a slinging point.

For the required capacity of the lifting device see Table 1 through Table 6 for the weights of the components.

Use blocks to support the component when temporarily storing the component on the ground.

The blocks for the carriage must be high enough to keep the fork guides from the ground.

Moving and Towing

PRECAUTIONS

While the lift truck is being towed the engine must stay running in order to generate sufficient hydraulic oil pressure. Without hydraulic pressure the steering system and service brake system do not operate, and the park brake will automatically apply. The parking brake can be manually released if no hydraulic pressure is available.

Without oil pressure the transmission will be damaged during towing. If the engine cannot run during towing, remove the drive shaft between transmission and drive axle.



When the parking brake is manually released, the lift truck does not have any parking brake function. Block the wheels to prevent the lift truck from moving. If the wheels are not blocked, serious personal injury and damage to components can occur.

NOTE: If the parking brake is manually released, it will need to be adjusted before the lift truck is returned to service. With hydraulic pressure applied to the parking brake, adjust play between brake disc and park brake pads to 1.0 mm (0.03936 in.).

The parking brake caliper is mounted on a support bracket which is mounted on the differential carrier assembly. To manually release the parking brake, perform the following procedures: Thanks for your reading.

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