

Section 3

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INSTALLING THE TANK: PREPARING THE CHASSIS

The reason behind the vehicle intake inspection is to determine the condition of the truck and chassis, the configuration of the truck cab and dashboard, and detect any problems areas related to the installation and packaging of a tank. Check for chassis lean to left or right. Correct tire inflation; check for excessive tire wear.

The tank must sit on the chassis with the fenders centered between the axles. Measure the center of the pivot point to the center of the fender location. This will determine the position of the adjustable pivot mounting plates.

Before tank installation and using measurements from arrival inspection, check the measurements for the mounting pivots. Use the distance from the center of pivot on truck chassis to center of axles. Mounting pivots on water tank can be adjusted forward or back to obtain distance needed to center fenders over axles. Extra tapped holes are in base plate for this adjustment.



OTHER MODIFICATIONS

Depending on model and serial number, other modifications may need to be made to existing truck, including relocating lights, hose brackets, mounts, and hydraulic connections.

INSTALL DAMPENER PADS

Dampener pads must be installed if not equipped. Shims may be used under pads as needed to space pad to bottom of water tank frame. I beam frame rails will have location tabs to secure pad to.



Tube style frames will need to have mount tabs welded in place to mount pad after tank is installed.

*These tabs are provided upon request; truck serial number determines style of frame tank will sit on.



INSTALLING LIGHTS AND CAMERA CABLE

Prior to installing tank... tail, reverse, and back up lamps will need to be removed from truck. They will be relocated to the back of the water tank.



INSTALLING THE TANK

Rigging tank for lift should be performed by using rated lifting devices for up to 18,000 lbs. on 745 water tanks.



Tank should be rigged with a slight tilt towards back of tank.



When lowering the tank onto truck, water pump outlet coupling will need to be removed on Cat 740 and Cat 745 models for hydraulic lines.

Use of tag lines is part of a safe lift.





INSTALL PIVOT PINS AND LOCK BOLT



Lower tank into place and install pivot pins.



Remove taillight

mounting bracket to install pins. Replace after pins are installed.

Fender should space evenly over wheels when pivot mounts are installed in proper mounting threaded holes.



Welding of anti-sway mount to water tank chassis.



Install rubber isolator between chassis and tank mount, then bolt front mounts in place.

HYDRAULIC LINES AND WIRE LOOM ROUTING



Cab harness and return line to tank will route through main loom wrap that houses truck to rear chassis connection.