

TITAN pt. no.: 03 0000 0146

Important: Please read these instructions carefully and completely before starting the installation.

TITAN Fuel Tanks™
INSTALLATION INSTRUCTIONS

Gen 7



Extended Capacity Replacement Tanks for RAM Cummins Diesel Trucks

7030225 For 2025+ RAM truck models 2500 & 3500: (with pickup bed only): Mega Cab, Short-Bed (6 ½ ft.)

No drilling or cutting is required for this installation.

Required Tools:

- | | |
|--|---|
| 1 ea. Ratcheting socket driver | 1 ea. Needle nose pliers |
| 1 ea. 16 mm socket | 1 ea. Torque wrench handle for socket |
| 1 ea. 12 inch long socket driver extension | 1 ea. Mallet or small hammer |
| 1 ea. 7/16 inch socket | 1 ea. Razor blade or sharp bladed knife |
| 1 ea. 9/16 inch socket | 1 ea. Hook pick or small ice pick |
| 1 ea. 9/16 end wrench | |
| 1 ea. 5/8 inch socket | |
| 1 ea. 5/8 inch end wrench | |
| 1 ea. ¾ inch socket | |
| 1 ea. ¾ inch end wrench | |
| 1 ea. Medium flat blade screwdriver | |

Recommended Optional Tools:

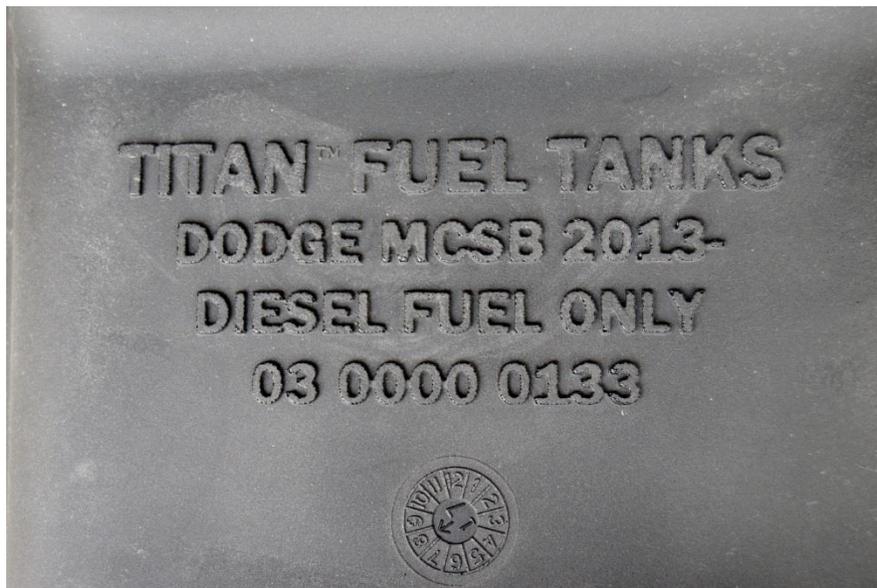
- 1 ea. Hydraulic transmission jack
- 1 ea. Impact wrench
- 1 ea. Vehicle Lift

7030225 Parts List:

1ea. Extra heavy-duty 51 gallon* military grade, cross-linked polymer body, (XLHDPE) fuel tank for DODGE diesel trucks:

Tank Body: Crew Cab, Long Bed 2013 --

“Super Series” **Tank Body Identification:** “DODGE MCSB 2013
03 0000 0133”



Note: The tank body has the above identification on its top. Please check to be sure the tank is properly identified as the one to fit your vehicle.

- | | | |
|-------|--------------|---|
| 1 ea. | 98 0000 0403 | TITAN Torque Ring--TOP RING (hold-down ring) |
| 2 ea. | 98 0115 0000 | ½” Full-Function Tank Vent |
| 1 ea. | 99 0000 0615 | 2” x 5/16” RLA hose |
| 1 ea. | 99 0000 0780 | 45.00” x 5/16” RLA hose |
| 1 ea. | 02 0000 0112 | Hose Barb Elbow installed in insert of tank. |
| 1 ea. | 03 0125 0000 | 2013 RAM MCSB Strap Set |
| 2 ea. | 99 0000 0103 | Strap Bushing, Extruded |
| 1 ea. | 03 0125 0000 | RAM 2013 Mega Cab, Short-Bed Strap <u>SET</u> |
| 1 ea. | 03 0120 0000 | 2013 RAM MCSB Front Support Assembly |

NOTE: Take a moment and write the new TITAN™ Tank serial number in the back of this instruction booklet now.

I. Remove Original Equipment Tank

- | Step | Description |
|------|--|
| 1 | Raise the vehicle on a hoist so the underside is fully accessible. |
| 2 | Drain all the fuel from the original equipment (OEM) tank using a pump or siphon. |
| 3 | Remove OEM tank plastic shield or shell (if applicable) from vehicle. <u>Some</u> vehicles <u>may</u> require the removal of the left rear fender liner and even the wheel to facilitate access to the tank fill and vent hoses. |



Note: Disconnect the rear of the driveshaft for more working clearance.

- 4 Support the OEM tank.
- 5 Disconnect the fill hose from the OEM tank's king nipple.
- 6 Remove the OEM tank straps by unbolting them at the inboard and outboard attachment points. Lower the tank a few inches.
- 7 Disconnect vent line hose line coming from fill spout to tank. Disconnect at fill spout tubing end. Also, disconnect small vent line.
- 8 Disconnect fuel gauge electrical connection from sending unit.
- 9 Disconnect fuel and return lines from the sending unit.
- 10 Remove the OEM tank from the vehicle.

II. Prepare Vehicle and Replacement Tank

Step Description

- 11 Loosen the sending unit hold-down ring by turning it counterclockwise. Note the “clocked” orientation of the fuel line nipples and electrical connector. Install them at the same angle in the new tank. Remove the sending unit. Do not reuse the factory O-ring.



- 12 Place the sending unit into the new TITAN tank with a correctly seated O-ring. Ensure the inside of the new tank is completely free of debris.

- 13 Rotate the sending unit so the fittings and electrical connector match the OEM clocking. Align the sending unit tab with the “TAB LOCATION” marks on the tank body.



- 14 Install the TITAN Torque Ring (Top Ring) over the sending unit.



- 15 Tighten the Torque Ring (hold-down ring) by turning it clockwise as far as it will go.

III. Install Replacement Tank in Vehicle

Step	Description
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- 16 Place the new tank on a transmission jack and raise it partially into position. Reconnect the fuel line, return line, and the sending unit electrical connector. Finish lifting the tank and connect the fill hose and main vent hose from the fill spout. Make sure the vent hose slopes downward to the tank with no sags or kinks. Connect the small vent line from the fill spout to the 5/16" hose tee between the rollover valves. Clamp all hoses securely using OEM clamps.



- 17 Hang the outboard end of the straps on the vehicle. Straighten straps if needed to ease installation.



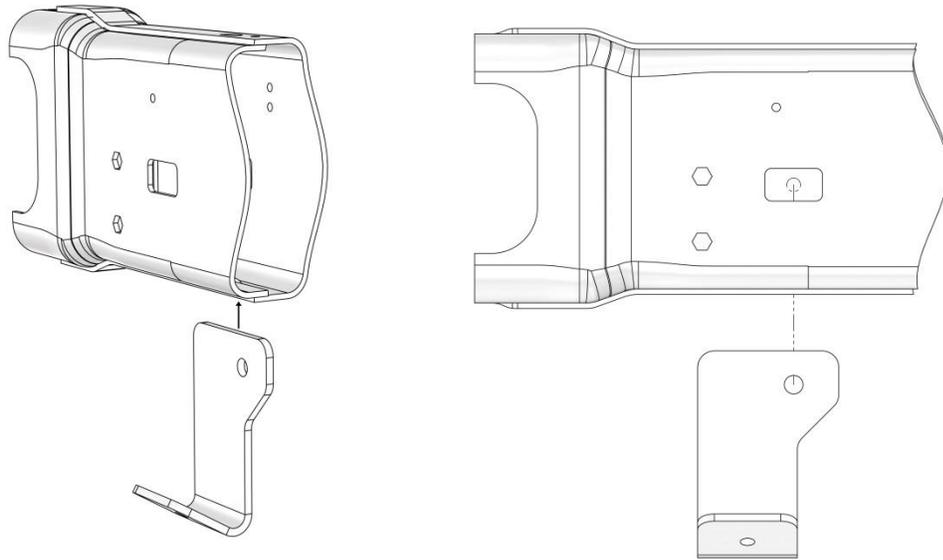
- 18 Install the rubber bushings on both straps when you place them around the tank body. Place the bushings so they are centered in the bottom of the straps with the bushing's channel side toward the strap. Press the bushings securely into place. A bushing is also included for the Front Support Assembly.



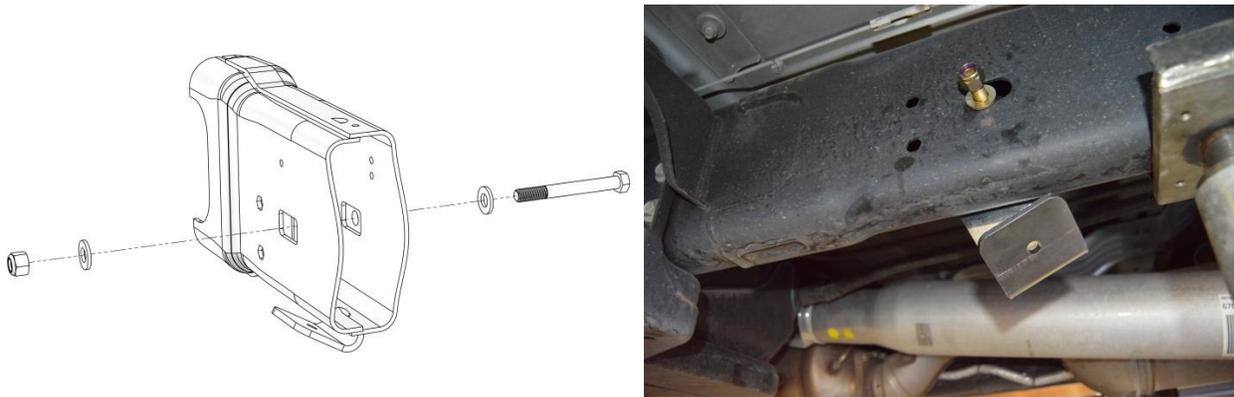
- 19 Install the "03 0120 0000 2013 RAM MCSB Front Support Assembly". This should be done before the tank body is put into place and the straps are installed using the following procedure (Figs. 1-5):



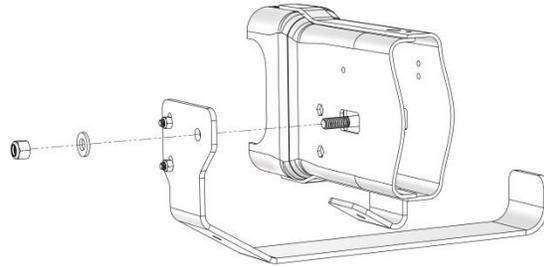
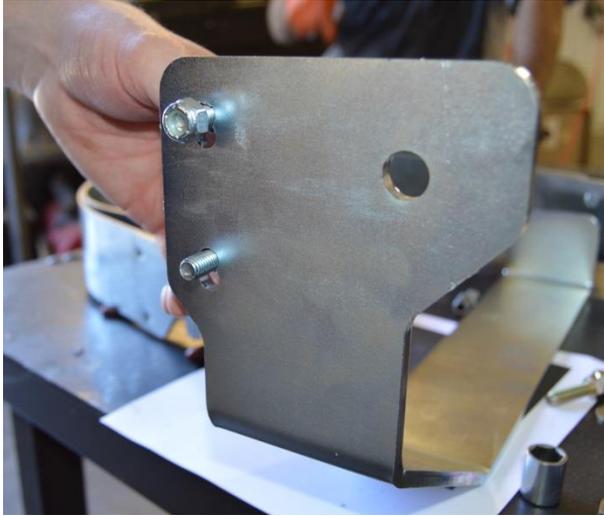
(Fig. 1) 2013 RAM MCSB Front Support Assembly, Installed. Pt. no.: 03 0120 0000



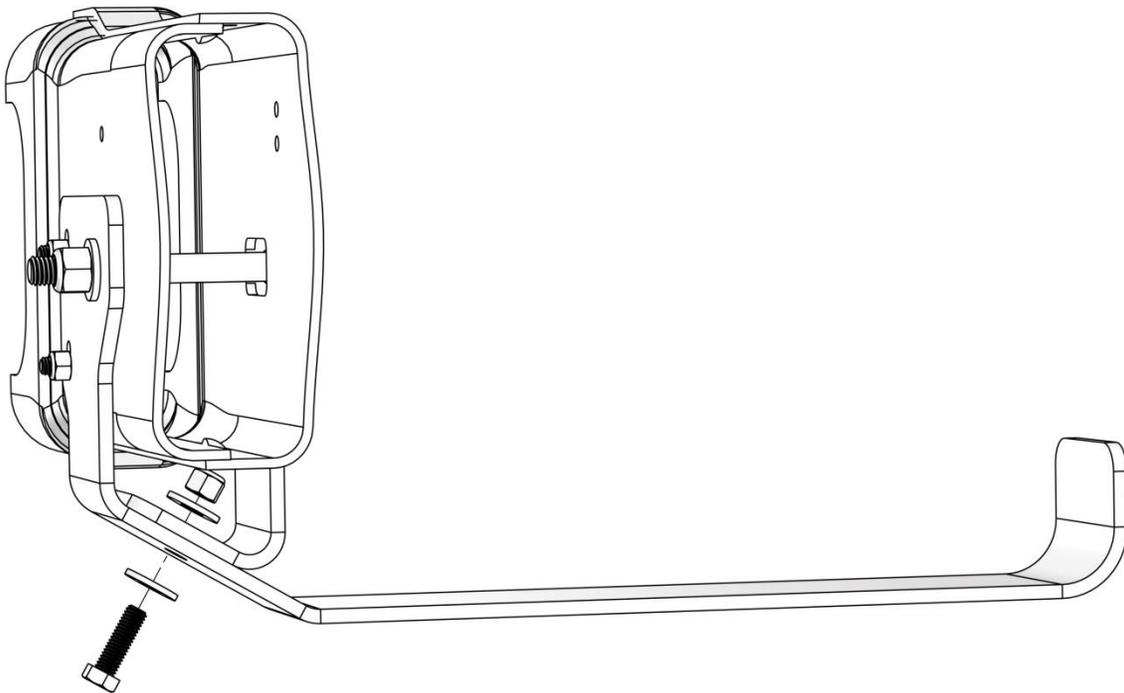
(Fig. 2) First, line up the Inner Piece of the Front Support with the existing rectangular hole on the inside of the truck frame as shown above.



(Fig. 3) Next, place the 1/2" cap screw with washers, through the Inner Piece and the vehicle frame as shown. Leave the cap screw loose for now.



(Fig. 4) Place $\frac{1}{4}$ " cap screws in the two smaller front holes of the Horizontal Support Bracket. Leave them loose enough that they can be turned so the hex heads of the cap screws can be lined up with, and fit into the existing hex holes on the vehicle frame. There are two sets of holes for the cap screws; an upper and lower. Line the larger hole of the bracket up with the center of the rectangular hole in the frame to see which set of holes line up best for the $\frac{1}{4}$ " cap screws. When in place, the hex heads of the $\frac{1}{4}$ " cap screws resting in the two hex holes in the frame, will keep the Front Support Assembly from rotating.



(Fig. 5) After putting the tank body into place, finish installing the Front Support Assembly by bolting the Horizontal Support Bracket into place with the $\frac{1}{2}$ " and $\frac{3}{8}$ " cap screws as shown above. **Using a torque wrench, be sure to tighten the fasteners to the following specifications:** $\frac{1}{2}$ " cap screw: 40 lb. ft., $\frac{3}{8}$ " cap screw: 30 lb. ft., $\frac{1}{4}$ " cap screws: 5 lb. ft.

- 20 Attach the inboard ends of the straps. Tighten the bolt and bracket to factory specifications. Tap straps with a mallet, if needed, to form them against the bottom of the tank.
- 21 Make sure ALL mounting hardware, clamps, bolts, etc. are properly installed and TIGHT. Double check it.
- 22 IMPORTANT! Lower vehicle, fill tank completely with diesel fuel and check for leaks.**



Installation Complete!

Go to TITAN's website to view video installation instructions and tips.

* All capacities are approximate

Be sure to return the completed warranty registration for your new Titan fuel tank; or you can register on-line at www.titanfueltanks.com

You will find your tank's serial number located approximately 1/2 way up the driver's side located towards the rear of the tank; adjacent to the sending unit.

Write your tank's Serial Number here: _____

A tank must be registered within sixty (60) days of receipt for the warranty to be valid.

Warranty is void if product is improperly installed.

For questions or customer service call **(800) 728-4982**



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