

TITAN pt. no.: 03 0000 0135

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

TITAN Fuel Tanks™
INSTALLATION INSTRUCTIONS

Gen6 & 7



Extended Capacity Replacement Tanks for RAM Cummins Diesel Trucks

7030213 & 7030213S For **2013+** 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. 16 mm socket
- 1 ea. 12 inch long socket driver extension
- 1 ea. 7/16 inch socket
- 1 ea. 7/16 inch end wrench
- 1 ea. 9/16 inch socket
- 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 screw driver
- 1 ea. Needle nose pliers
- 1 ea. Torque wrench handle for socket
- 1 ea. Mallet or small hammer

Recommended Optional Tools:

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

- 1 ea. Razor blade or sharp bladed knife
- 1 ea. Hook pick or small ice pick

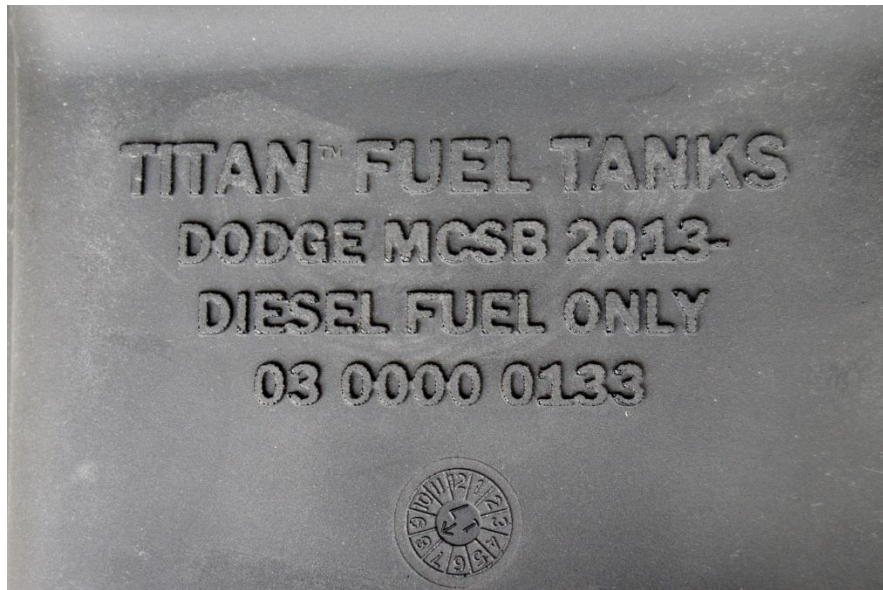
7030213 Parts List:

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.

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|-------|--------------|--|
| 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 |
| 3 ea. | 99 0000 0103 | Strap Bushing, Extruded |
| 1 ea. | 03 0125 0000 | RAM "SS" 2013 Mega Cab, Short-Bed Strap <u>SET</u> |
| 1 ea. | 03 0120 0000 | 2013 RAM MCSB Front Support Assembly |

IMPORTANT NOTICE: Before installation, be sure to thoroughly inspect inside of the tank for ANY foreign debris!

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
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| 1 | Place the vehicle on a hoist that leaves the entire underside of the frame unobstructed. |
| 2 | Drain all the fuel from the original equipment (OEM) tank using a pump or siphon. |

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

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| 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. |
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| 4 | Support the OEM tank. |
| 5 | Disconnect the fill hose from the OEM tank's king nipple. |
| 6 | Loosen and remove OEM tank straps by undoing the bolts on straps at inside of tank and the outside of the frame, and lower 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
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| 11 | Loosen the OEM hold-down ring on the sending unit by turning it counter-Clockwise. Before removing the sending unit, notice where the sending unit fuel line nipples and the electrical fitting are pointing or “clocked”, <i>they will need to be installed the same way, at the same angle in the replacement tank.</i> Remove the sending unit from the OEM tank. Do NOT reuse factory “O” ring seal. |
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| 12 | Carefully place the sending unit into the new TITAN replacement tank. Make sure the “O” ring gasket is placed properly under the sending unit to seal correctly. Before installing the sending unit into the replacement tank, BE SURE THE INSIDE OF THE TANK IS FREE OF DIRT OR DEBRIS OF ANY KIND. |
| 13 | After placing the sending unit into the tank on top of the “O” ring gasket, rotate it (carefully so as not to displace the “O” ring) so the fuel fittings and electrical connections are positioned (or “clocked”) at the <i>same</i> angle as in the OEM tank. Be sure the tab on the sending unit lines up with the “TAB LOCATION” marks on the tank body. |



- 14 Place the furnished TITAN Torque Ring™ --TOP RING (hold-down ring) on top of the sending Unit.



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

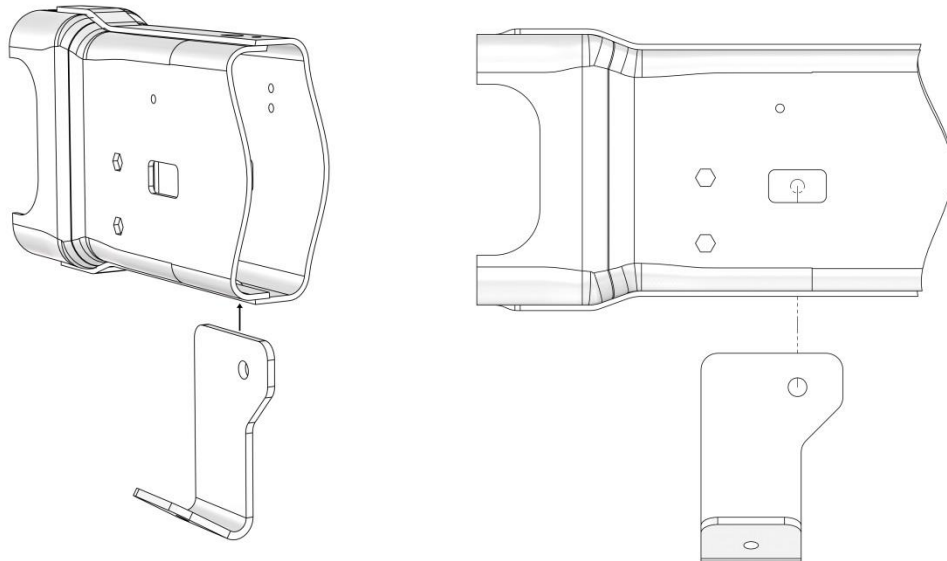
III. Install Replacement Tank in Vehicle

Step	Description
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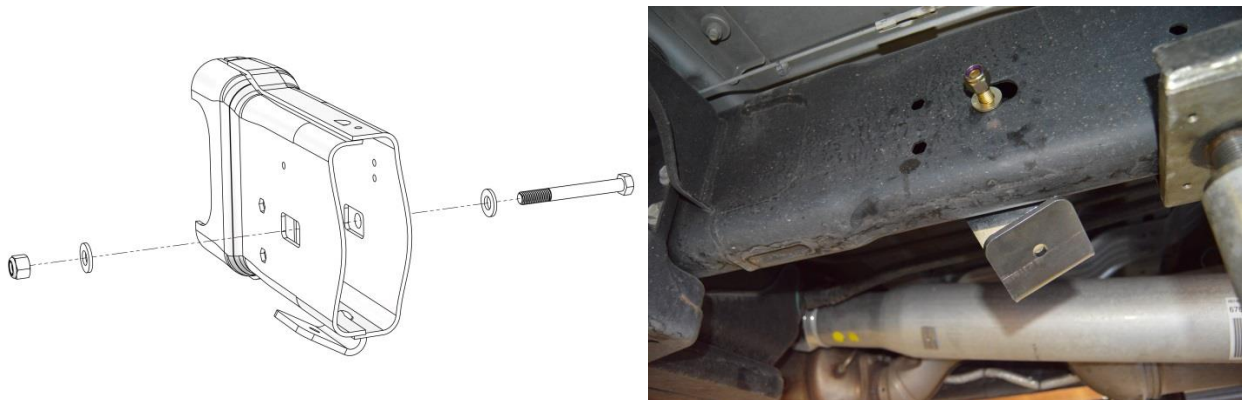
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|----|---|
| 16 | Attach the small vent line from the fill spout to the 5/16 line tee in the rollover valve vent line). Clamp hoses tightly using OEM clamps on both ends where applicable. |
|----|---|



- 17 Install the inner piece of 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.



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.



Next, place the ½” cap screw with washers, through the Inner Piece and the vehicle frame as shown. Leave the cap screw loose for now.

- 18 Place tank on a transmission jack. Lift the tank partway into the vehicle and reattach the fuel and return lines, and the electrical connection to the sending unit.

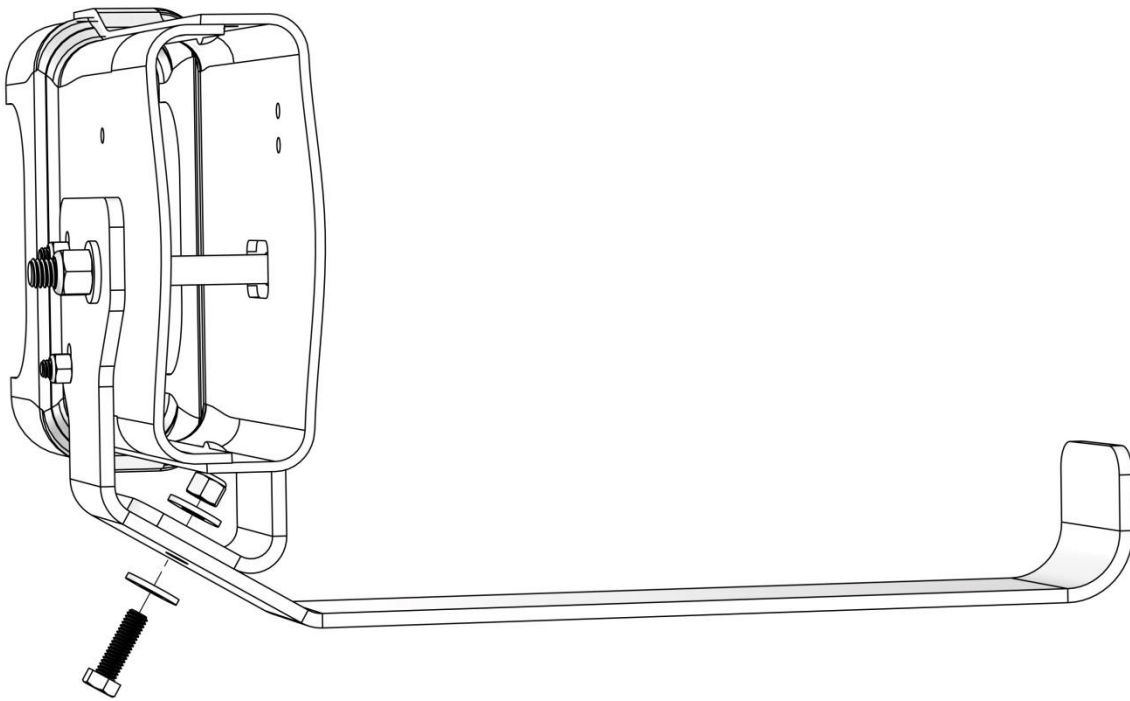
- 19 Finish lifting the tank into the vehicle and connect the fill and vent line hoses from the fill spout to the tank. Make sure the vent line hose angles downward from the fill spout to the tank. and that there are no “sags” (or kinks) in the line or it will not vent properly.
- 20 Hang the outboard end of the straps on the vehicle. You may want to straighten the straps some to make them easier to fit around the tank.



- 21 Install the rubber bushings (pn 99 0000 0103) 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 toward the strap. Press the bushings securely into place. A bushing is also included for the Front Support Assembly.



- 22 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.



- 23 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.



- 24 Make sure ALL mounting hardware, clamps, bolts, etc. are properly installed and TIGHT. Double check it.

- 25 **IMPORTANT! Lower vehicle, fill tank completely with diesel fuel and check for leaks.**



Installation Complete!

Gen 7 XXL Tank Drilling Instructions

Important: These instructions only apply if installing a Gen 7 accessory kit. Please read through all instructions fully before starting.

Step 1: Remove the Plug

- Begin by safely removing any existing plug or cap from the tank to allow access to the area you'll be drilling.

Step 2: Set Up a System to Catch Shavings

- To prevent debris from entering the tank and causing damage, set up a system to catch the plastic shavings. Options could include:
 - Placing a rag or cloth inside the tank to catch the shavings.
 - Using a vacuum with a hose directed at the drilling site to suck up the shavings as you work.

Step 3: Drill the Holes

- Start with a small pilot drill bit, and gradually increase the drill bit size to achieve the desired hole diameter. A small amount of grease on the drill bit can catch some of the plastic shavings from falling into the tank.
- Be careful to drill as large as possible without damaging the threads or surrounding plastic. Take your time, and avoid contacting the threads.
 - Be careful to drill only the necessary holes for the intended kit.



Fast Fill Kit



Universal Pickup Tube and Return System

Step 4: Trim the Inside of the Holes

- After drilling, use a razor blade or utility knife to carefully trim the inside of the hole, ensuring it's flush with the threads. This step helps smooth out any rough edges and ensures a clean fit for the fittings.

Step 5: Clean the Tank

- Once you've finished drilling and trimming, carefully remove all plastic shavings from inside the tank. Use compressed air, a vacuum, or a damp cloth to ensure the tank is completely free of debris. This is crucial to avoid any plastic pieces entering the fuel system, as they could cause damage or clog components.

Gen 7 Fast Fill Vent Kit (9901770) Install

Step 1: Drill Out Holes

- Follow the drilling instructions above carefully.

Step 2: Apply Thread Seal Tape

- wrap the threads of the valve in thread seal tape (Teflon tape).

Step 3: thread valve into tank

- Carefully thread the roller valve into the tank, ensuring you do not cross-thread it.



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

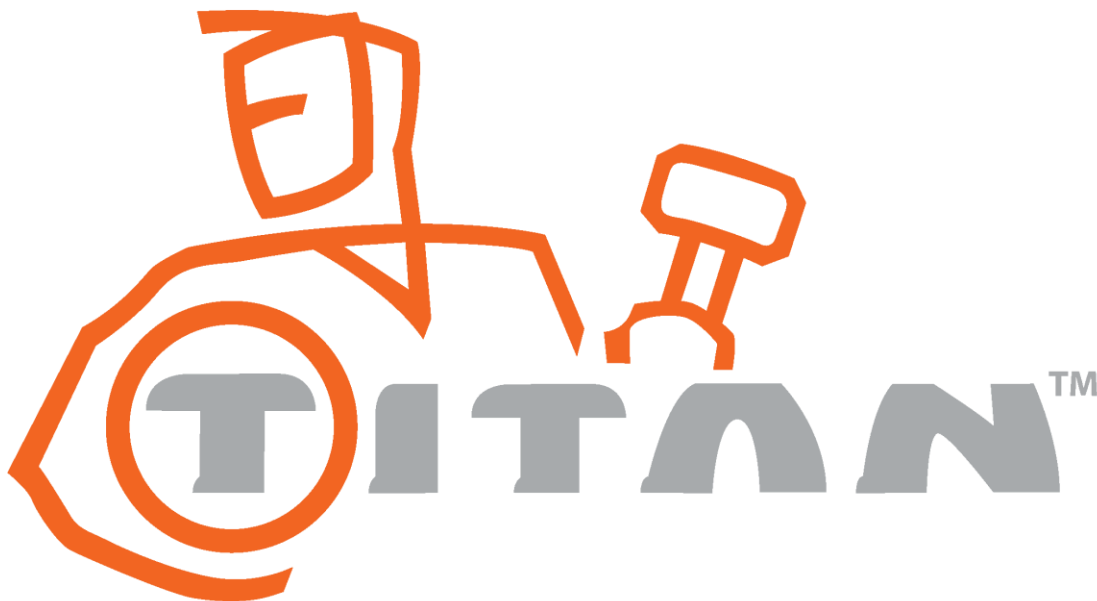
You will find your tank's serial number located approximately ½ way up the driver's side located towards the rear of the tank; adjacent to the sending unit.

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**



TITAN Fuel Tanks

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TITAN Fuel Tanks are PROUDLY MADE IN THE USA

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