

TITAN pt. no.: 01 0000 0155

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

TITAN Fuel Tanks

INSTALLATION INSTRUCTIONS

Gen6 & 7



Extended Capacity Replacement Tanks for GENERAL MOTORS Diesel Trucks

7010317: 66* Gallon (250* liters) Replacement Tank for 2017-2019 GM truck models 2500 HD & 3500 HD: Crew Cab Long Bed (8 ft.)

Required Tools:

- 1 ea. Ratcheting socket driver
- 1 ea. 13 mm socket
- 1 ea. 12 inch long socket driver extension
- 1 ea. 8 mm end wrench
- 1 ea. 8 mm socket
- 1 ea. 9/16 inch socket
- 1 ea. 9/16 end wrench
- 1 ea. Medium flat blade screwdriver
- 1 ea. Needle nose pliers
- 1 ea. Torque wrench handle for socket
- 1 ea. Mallet or small hammer
- 1 ea. Razor blade or sharp bladed knife.
- 1 ea. Hook pick
- 1 ea. Diagonal Cutters
- 1 ea. Hacksaw

Recommended Optional Tools:

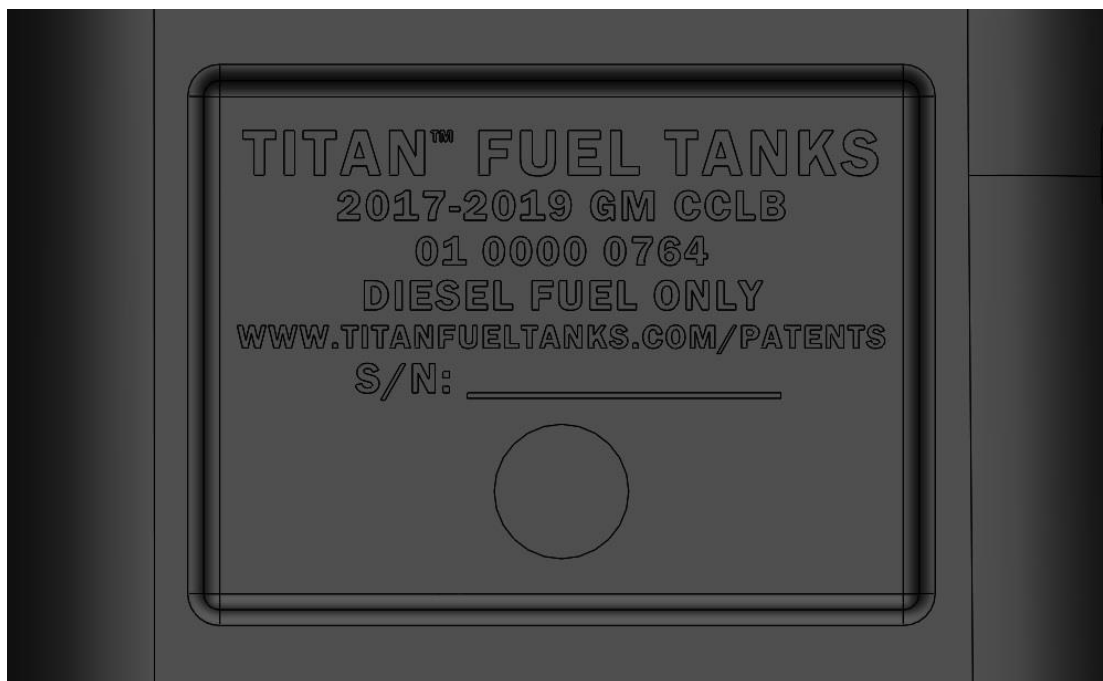
- 1 ea. Transmission jack
- 1 ea. Vehicle hoist
- 1 ea. Impact wrench
- 1 ea. Reciprocating saw

7010317 Crew Cab, Long Bed Parts List:

- 1ea. Extra heavy-duty, 66* gallon, cross-linked polyethylene (XLHDPE) fuel tank for the following General Motors diesel truck: Crew Cab, Long Bed 2017-2019

Gen6 & 7

Tank Identification: "2017-2019 GM CCLB"



Note: The underside of each tank has the above identification. Please check to be sure the tank is properly identified to your vehicle.

1 ea.	01 0000 0764	Cross-Link Polyethylene (XLHDPE) Molded Tank
1 ea.	02 0000 0197	BRIGHT ORANGE O-Ring
1 ea.	01 0113 0000	GM 2011+ Crew Cab Long Bed Strap Set
1 ea.	98 0000 0403	Titan Torque Ring- Gen 6
1 ea.	01 0128 0000	7010317 Front Support Assembly
1 ea.	99 0186 0000	Roll Over Valve Assembly with Hose and Vent Cap
1 ea.	99 0000 0185	TITAN™ Warranty Envelope
1 ea.	01 0000 0155	2017 GM Crew Cab Instructions

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

I. Remove Original Equipment Tank

Step	Description
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 (OE) tank using a TITAN Fuel Caddy, pump or siphon.

Note: Remove the rear of the drive shaft and strap out of the way for more working clearance.

- 3 Remove OE tank plastic shield or shell (if applicable) from vehicle.
- 4 Support the OE tank.
- 5 Disconnect the fill hose from the OE tank's king nipple.
- 6 Disconnect fuel lines at the front of the OE tank near the water separator. Leave fuel lines in place, for the moment, on top of OE tank.



- 7 Loosen and remove OE tank straps by undoing the bolts at outside of tank, then unhook straps on the inside to lower tank a few inches.

- 8 Disconnect vent line hose from sending unit at the top of the tank.
- 9 Disconnect fuel gauge electrical connection from sending unit.
- 10 Remove the OE tank from the vehicle.

II. Prepare Vehicle and Replacement Tank

Step	Description
11	Use hook pick or flat head screwdriver to disconnect the fuel lines from the sending unit. Remove the fuel lines from the top of the OEM tank.



- 12 With a mallet and screwdriver or punch, loosen the OEM hold-down ring by tapping it and turning it counter-clockwise. Remove the sending unit and discard the OEM O-ring.



- 13 Inspect the new TITAN tank for debris. Install the new orange O-ring gasket into the groove on the new tank.
- 14 Carefully install the sending unit into the TITAN tank, making sure the O-ring remains seated.
- 15 Align the sending unit tab with the "Tab Location" mark on the Titan Tank.



- 16 Place the included TITAN Torque Ring, top hold-down ring onto the lugs and the sending unit and turn it clockwise as far as it will go.



17 Retrieve the fuel lines from the OEM tank. Attach the suction and return lines to the sending unit. Lay them into the molded fuel-line groove on top of the tank. Secure together with zip ties if desired.

III. Install Replacement Tank in Vehicle

Step	Description
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18	Trim and deburr the water-separator bracket approximately 2.5 inches As shown below.
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19	The TITAN tank straps will reuse the original equipment mounting brackets and bolts. Hang the inboard side in the brackets first.
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20	Insert the upper portion of the front support between the top of the frame and the wiring harness.
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- 21 Place the tank on a transmission jack. Lift the tank enough to reconnect the electrical connector and the vent hose to the sending unit.



- 22 Once all connections are securely attached, lift the tank the rest of the way into place with the jack.
- 23 Attach the lower section of the front support and secure the top and bottom bolts down securely.



- 24 Attach the fill hose to the king nipple on the replacement fuel tank and clamp tightly. Reconnect the fuel lines at the top front of the tank.
- 25 Finish attaching the tank straps and tighten them to OE specifications.
- 26 Double check ALL mounting hardware, clamps, bolts, etc. are properly installed and TIGHT.
- 27 Lower vehicle, fill tank with diesel fuel (do not “top off”) and check for leaks.

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

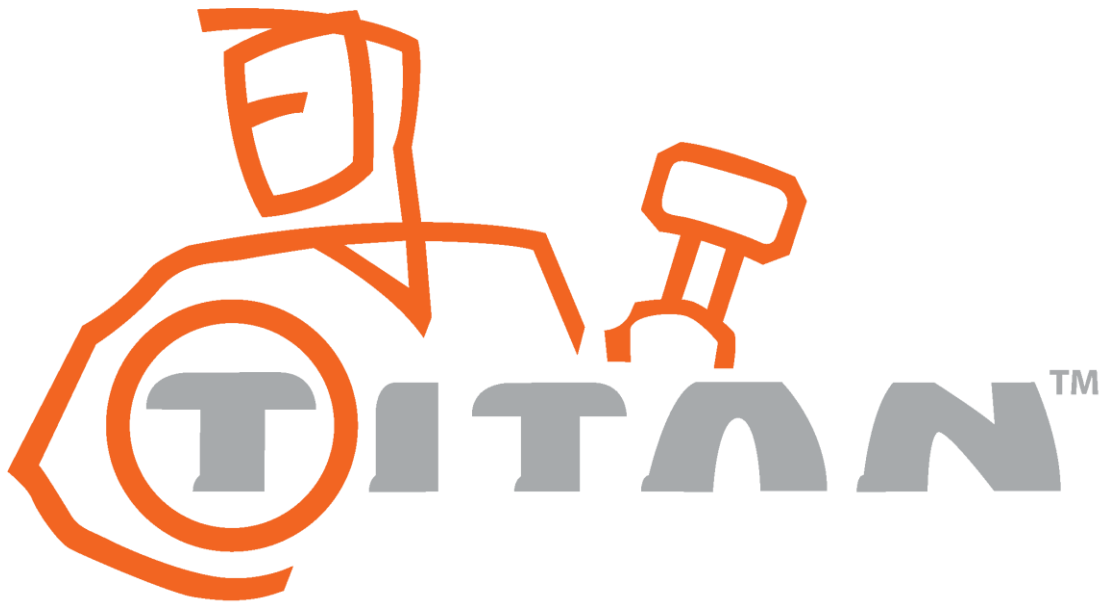
- Carefully thread the roller valve into the tank, ensuring you do not cross-thread it.

Step 4: Tie Up Vent Hoses

- Tie up vent lines so there are no droops or sags in the hose that might trap air or fuel.



* 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 on the bottom of the tank.

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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