

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 (Chevrolet and GMC) Diesel Trucks

7010220: 56* Gallon (211* liters) Replacement Tank for 2020+ GM truck models 2500 HD & 3500 HD : Crew Cab Short Bed (6 ½ 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 screw driver
- 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 or small ice pick
- 1 ea. Diagonal Cutters

Recommended Optional Tools:

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

7010220 Crew Cab, Short Bed Identification and Parts List:

1ea. Extra heavy-duty, 56* gallon, cross-linked polyethylene (XLHDPE) fuel tank for one of the following General Motors diesel trucks:

Crew Cab, Short Bed 2020

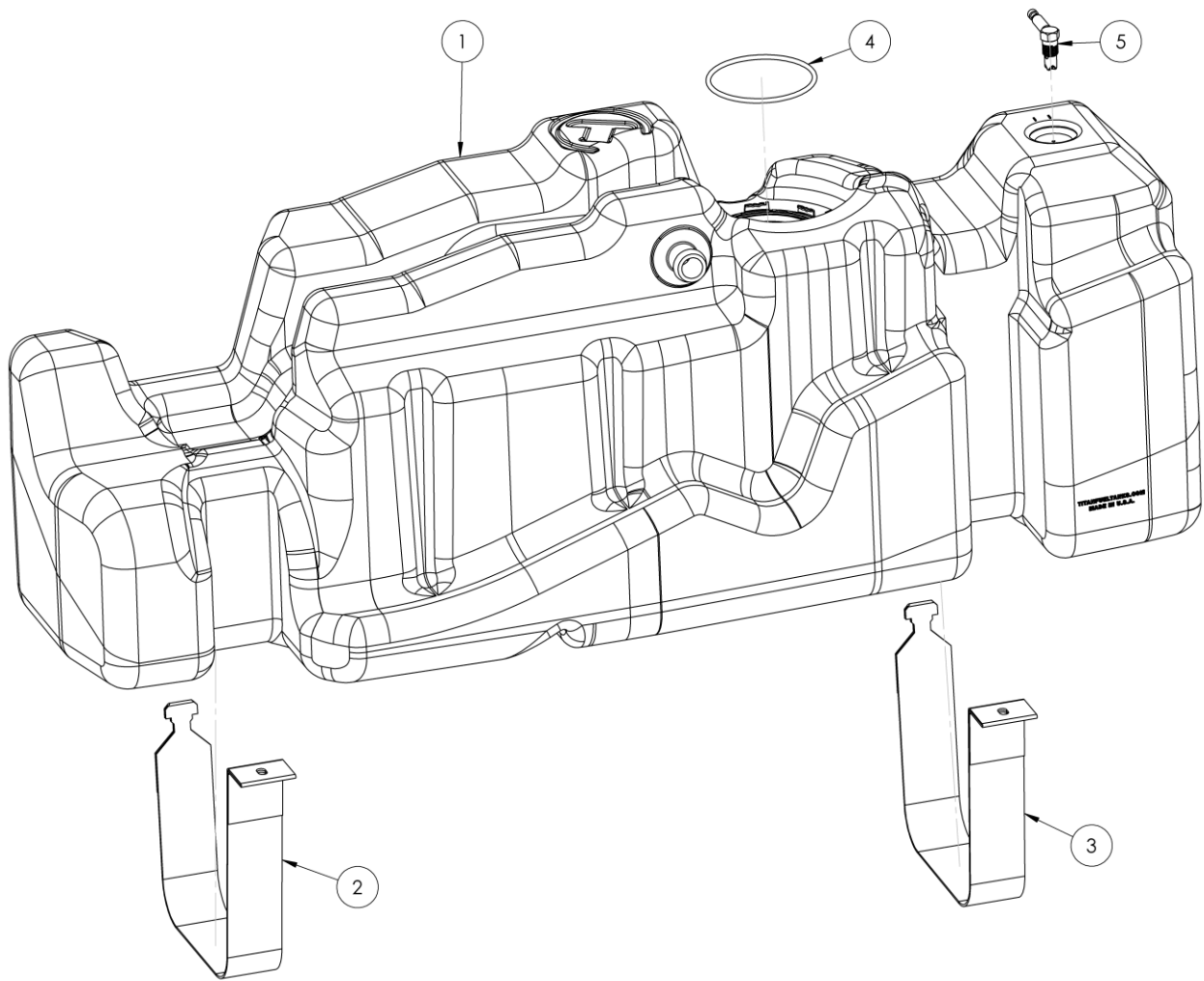
Gen6

Tank Identification: "2020 GM CCSB"



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

<u>No.</u>	<u>Part Number</u>	<u>Part Description</u>	<u>Qty.</u>
1	01 0000 0763	Tank Body (XLHDPE)	1
2	01 0121 0000F	Front Strap	1
3	01 0121 0000R	Rear Strap	1
4	02 0000 0197	TITAN Orange O-Ring	1
5	99 0186 0000	TITAN Rollover Vent	1



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

I. Remove Original Equipment Tank

Step	Description
1	Safely raise the vehicle on a hoist, ensuring the underside is clear.
2	Drain all fuel from OEM tank using a pump, siphon, or Titan Fuel Caddy.

Note: remove the rear of the drive line for more working space

- 3 Remove OEM tank plastic shield or shell (if equipped).
- 4 Support the OEM tank with a jack.
- 5 Disconnect the fill hose from the OEM tank's king nipple.
- 6 Disconnect fuel lines at the front of the OEM tank. Leave fuel lines in place, for the moment, on top of OEM tank.



- 7 Remove OEM straps: loosen bolts at the outside of the tank, unhook inside ends, and lower tank slightly.
- 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 tank and place on the floor.

II. Prepare Vehicle and Replacement Tank

Step	Description
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- | | |
|----|---|
| 11 | Use hook pick or small ice pick to disconnect the fuel lines from the sending unit. Remove the fuel lines from the top of the OEM tank. |
|----|---|



- | | |
|----|---|
| 12 | Use a mallet and screwdriver/punch to loosen the OEM sending unit hold-down ring by tapping it and turning it counter-clockwise. Remove the sending unit from the OEM tank. |
|----|---|



- | | |
|----|---|
| 13 | Place new Titan O-ring into the groove of the groove of the Titan fuel tank. |
| 14 | Ensure inside of Titan tank is completely free of dirt/debris before installing sending unit. |

- 15 Place sending unit into the Titan tank, making sure O-ring is properly seated.
- 16 Align sending unit tab with "Tab Location" mark on Titan tank



- 17 Reuse OEM hold-down ring, install onto Titan tank lugs, and tighten clockwise until fully seated.



- 18 Retrieve the fuel lines from the OEM tank and attach the suction and return fuel lines to the sending unit which is now installed in the replacement tank. After attaching them to the sending unit, lay the fuel lines into the fuel line groove provided in the top of the replacement tank. If desired, it is good practice to tie the two lines together with snap ties.



III. Install Replacement Tank in Vehicle

Step	Description
19	The TITAN tank straps will reuse the original equipment mounting brackets and bolts. Hang the inboard side in the brackets first.

- 20 Place tank on a transmission jack. Then lift the tank high enough to reconnect the sending unit electrical connection and the vent hose to the sending unit.



- 21 Once all connections are securely attached, lift the tank the rest of the way into place with the jack.
- 22 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.
- 23 Finish attaching the tank straps and tighten them to OEM specifications.
- 24 Make sure ALL mounting hardware, clamps, bolts, etc. are properly installed and TIGHT. Double check it.
- 25 **IMPORTANT!** Lower vehicle, fill tank to the first nozzle “click off” with diesel fuel 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.



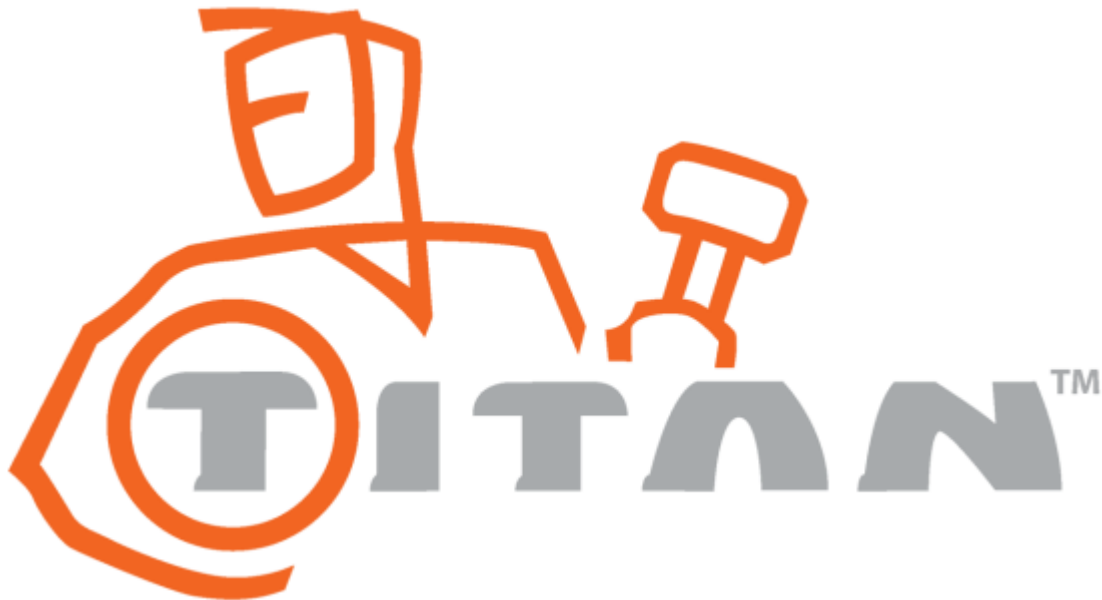
* All capacities are approximate

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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