



INSTALLATION INSTRUCTIONS



7050207: 46* Gallon (174* liters) Replacement Tank for 2007-2018 Diesel Mercedes/Dodge Sprinter Vans 144", 170", and 170" ext. Wheelbases.

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

Required Tools:

- 1 ea. 3/8" ratcheting socket driver
- 1 ea. 13 mm socket
- 1 ea. 12" socket driver extension
- 1 ea. 10 mm socket
- 1 ea. 3/8" socket
- 1 ea. Medium flat blade screwdriver
- 1 ea. Diagonal cutters
- 1 ea. Torque wrench
- 1 ea. Drill with 5/16 & 1" step bit
- 1 ea. E16 Torx socket

Recommended Optional Tools:

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

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

7050207 Parts List:

1 ea.	05 0000 0103	Cross-Link Polyethylene (XLHDPE) Molded Tank
1 ea.	05 0000 0104	Sprinter Half Flange, set of 2 (Installed on tank)
1 ea.	05 0000 0101	Sprinter Flat Gasket (Installed on tank)
8 ea.	02 0000 0162	3/8" Push Nut Retainers (Installed on tank)
1 ea.	05 0000 0106	Sprinter Top Flange (Installed on tank)
8 ea.	02 0000 0163	3/8" Nylon Thin Locknut, grade 8 (Installed on tank)
2 ea.	99 0186 0000	Rollover Valve Assembly (Installed on tank)
1 ea.	05 0000 0124	Elbow fitting, 1/2" NPT to 3/4" barb (Installed on tank)
1 ea.	05 0118 0000	Sprinter Install kit:
<i>6 ea.</i>	<i>05 0000 0102</i>	<i>Sprinter Strap Shims (2 large & 4 Small)</i>
<i>4 ea.</i>	<i>05 0000 0110</i>	<i>M10x1.5mm, 50mm long Flanged Head Hex Screw, Class 10.9</i>
<i>1 ea.</i>	<i>05 0000 0123</i>	<i>Sprinter Fill Port</i>
<i>1 ea.</i>	<i>05 0000 0115</i>	<i>Diesel fuel cap</i>
<i>1 ea.</i>	<i>98 0862 0000</i>	<i>3/4" hose, 26"</i>
<i>2 ea.</i>	<i>99 0000 0422</i>	<i>3/4" worm drive ring clamp</i>
<i>1 ea.</i>	<i>99 0000 0437</i>	<i>Filler hose elbow, 1.5", 90 deg</i>
<i>1 ea.</i>	<i>05 0116 0000</i>	<i>Sprinter filler hose</i>
<i>3 ea.</i>	<i>05 0000 0126</i>	<i>Steel Screw, 1/2" Band Width, 1-1/16" to 2" Clamp ID</i>
<i>1 ea.</i>	<i>05 0000 0107</i>	<i>Sprinter Lock Ring Tool</i>
1 ea.	05 0000 0105	O-Ring (Located inside warranty envelope)
1 ea.	05 0000 0125	Sprinter Install Instructions (Located inside warranty envelope)
1 ea.	99 0000 0185	Titan Warranty Envelope

Step Description

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- 1 Before ANY INSTALLATION BEGINS INVENTORY ALL ITEMS IN KIT. Do not start Installation until 100% certainty all Items are accounted for.
 - 2 Pull van onto lift. Make sure to lift on the two main support bolts in the front and the leaf spring hangers on the rear. DO NOT LIFT FROM BODY PINCH WELDS. DAMAGE WILL OCCUR!
 - 3 Open driver's door and open fuel fill door. Locate and remove the three T27 bolts holding the plastic cover on to access the fuel filler neck. After removal of bolts shut metal fuel door slightly and wiggle the plastic cover to remove and gain access to the fuel filler neck. Locate and remove T27 bolt at top of fill neck.



- 4 Vehicle is now ready to be lifted in the air and tank removal can begin. Locate galvanized heat shielding on front of the tank, locate the push washers and 10mm mounting bolt. Remove 10mm bolt and use a panel popper tool/flat head screwdriver to remove heat shield retainers. After removal, discard heat shield. It will not be reused.



- 5 Located under the filler neck is an additional shield with 4 10mm nuts holding it in place. Remove all 4 nuts and shield and save them for reinstallation. Locate static ground wire that is attached to the filler neck and unplug the spade connector.



- 6 Now that the main heat shield is removed, we can now have access to the fuel lines. Using a small flat head screwdriver or pick, lift on the blue retainer on the connector to unlock and gently pull the fuel lines apart. Repeat this process for the second line. In the same location as the fuel lines, you will notice that there is an electrical plug, this is the connection for the fuel sending unit. Depress the locking tab on the electrical connector and remove.





- 7 We are now ready to start removing the tank mounting straps. Place transmission jack under the tank and support the tank. Locate the mounting straps and note the bolt head type (E16 Torx). Remove All 6 bolts and discard. Remove all three straps and save for reinstallation.



- 8 Begin lowering tank slowly, paying special attention so that the filler neck does not hang-up on anything. The filler neck ground connection will need to be unclipped. This is done by pressing the tab down and pulling the two ends apart. The zip tie holding the wire will also need to be cut off. Remove tank from under vehicle and place it next to your NEW XXL TITAN TANK.



- 9 Remove fuel Lines from the top of the tank and disconnect them from the sending unit. The electrical connection will also need to be fully removed. Locate plastic Fuel Hat Torque Ring. Use included removal tool and a 3/8" ratchet to loosen the plastic hold down. Upon removal, discard torque ring and sealing O-Ring.



- 10 Take new supplied O-Ring and lubricate lightly with clean grease or oil and install into O-Ring gland on top of tank. Transfer sending unit into the Titan Tank. Be sure that the sending unit is clocked in the same location as the factory tank. Install top crash flange and the provided locking nuts. Torque all 8 nuts to 25 LB-Ft of torque in a star pattern. Wait 15 minutes to re-torque 25 LB-ft MAX.





- 11 Locate provided filler neck hoses, clamps, and couplers. Assemble the two hoses together with coupler and hose clamps. Identify the hose with a 45-degree angle bend and install metal filler neck inlet and tighten hose clamp. Please note orientation of the mounting hole on top should be at 12 o'clock position. Install supplied vent line hose to metal fill neck vent and tighten provided hose clamp. Install the filler neck assembly on the tank King Nipple and tighten the provided hose clamp.



- 12 The van body must now be prepared for tank installation. Locate the stiffening channel where the filler neck was removed. On the rear side of the channel, a 1" hole will need to be drilled. Measure from left to right 1.5 inches and measure down 1.5 inches. This will be the center point for the pilot drill. Using a 5/16 drill bit make a pilot hole into the channel on the center mark. Take a 1" step bit and finish opening pilot hole to 1". Use a round metal file to deburr any sharp edges.



- 13 Place tank back onto the transmission jack under vehicle. Lift tank into position while carefully placing the filler into the channel. Feed the $\frac{3}{4}$ " vent line thru the 1" drilled hole to be attached once tank straps have been installed.



- 14 Install front strap and 1" spacers with provided extended length bolts. Install remaining strap assemblies with 1/2" spacer and provided extended bolts. Tighten all bolts properly. Remove transmission jack from under vehicle.



- 15 Reinstall fuel lines and electrical connection to sending unit. Feed vent line over to the tank vent elbow and connect it to the $\frac{3}{4}$ " Kynar elbow on the tank with hose clamp and tighten down.
- 16 Locate previously removed static ground wire and thread it through the filler neck channel towards the top, this will be attached to the metal filler neck assembly to provide a static ground. Wire will need to be accessible from the fuel fill door above. Lower vehicle down to access fuel door. Plug static ground wire into spade terminal on fill neck. Reinstall fill neck mounting bolt. Reinstall fuel door plastic cover in same manner as removal.



- 17 Installation complete.

* 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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