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## S&B Sprinter Tank: How The Gauge Works







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t-30 to remove the screw holding the filler to the body.

## **STEP 4**

Remove the Styrofoam insert that surrounds the plastic filler.

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## STEP 5

Disconnect the ground spade connector

## STEP 6

Disconnect the 3 fuel lines and the electrical connector. Remove the zip tie holding the electrical connector wire harness to the fuel lines. Please see minute 3 of the install video if you have questions on how to disconnect the lines or electrical connector

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## STEP 7

Position jack under fuel tank to support tank. It is now time to drop the tank (someone to assist you will make this part easier). If you are doing the install on the ground, support the underside of the tank with a floor jack or straps.

## STEP 8

Next loosen (6) 11mm bolts holding 3 straps to the tank and retain the bolts for installation of the S&B tank. Lower tank and remove it from under the vehicle.

## STEP 9A

Remove fuel pump assembly from the old tank. This can be done by using a pry bar or screwdriver and hammer to remove the locking ring. Take the screwdriver and place it on the outside teeth of the locking ring and firmly pound the locking ring counter clockwise until it releases. Pull fuel pump module out being careful of the orientation as you pull out (be careful of the float and the black pickup snake).

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## **STEP 9B**

You can also use a special fuel locking ring tool to remove the ring. These can be found on Amazon or your local auto parts store.

## STEP 10

Remove the OEM fuel float and replace it with the longer S&B float. Needle nose pliers can help with the removal and install of the S&B float.

**Please follow the link below to watch how to install the float and adjust it if necessary.**

<https://youtu.be/Gzuucpo8pWE>

After the float has been installed, go ahead and verify that the float is barely contacting the floor.

## STEP 10B

Place large black S&B O-ring in the S&B Tank O-ring groove. Place the sender/pump assembly into the S&B tank. Next using a screwdriver and hammer but now rotating the ring clockwise (be sure All tabs on ring lock under S&B tank tabs or tank will not seal!). The picture shows the ring before it is locked into place.

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## STEP 11A

Remove the 5 bolts holding down the main vent and remove the vent so you can see inside.

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## STEP 11B

Use a flash light or take a picture in the tank to make sure there is separation between the float and venturi tube.

## STEP 11C

This is what it looks like if the sending unit is NOT installed incorrectly and the tube is hitting the float. This would lead to the gauge getting stuck and the gauge eventually falling and not moving from empty.

## STEP 12

Cookie Preferences fuel lines and electrical harness through the brackets on the S&B Tank.

## STEP 13

Remove the main vent from the OEM tank and install it onto the S&B Tank.

## STEP 14

Use a 5/16" socket or flat head screwdriver to remove the hose clamp attaching the filler to the tank. There will be some fuel trapped in the filler. You can tilt the tank back or bend the filler over to get the

Cookie Preferences before removing this  
hose clamp.

## STEP 15

Insert the check valve into the tank end of the hose with the arrow facing into the tank.  
Install the filler onto the S&B Tank

## STEP 16

Install the included 5/16" hose(in the white box) onto the T connector which is already installed in the hose on the tank. Zip tie the 5/16" hose onto the filler.

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## STEP 17

Reconnect the fuel lines and electrical connector. Gently try to pull the connectors apart to make sure they are connected and locked

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## STEP 18

Install the 3 new fuel tank straps

## STEP 19

Notch the Styrofoam piece and reinstall. Reconnect the ground spade connector.

## STEP 20

Reinstall the 5 bolts and filler door

## STEP 21 CHECKLIST

This final checklist is very important. #1 Make sure all nuts are safely fastened and torqued. #2 Ensure there is proper driveshaft clearance and the straps are tight #3 Double check fuel line connections, the electrical connection as well as the vent and fill lines. #4 Lastly, fill the tank full and check for any leaks. If you have any questions, call or text us at 909.675.1313

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