

Steering, Brake & Suspension Specialists

# #4754AGT-BS - Bed Fill Aluminum Fuel Tank Instructions for 1947-1954 GM 3100 Series Pick-Up Truck

## Parts List:

|        |                      |       |                  |
|--------|----------------------|-------|------------------|
| 1 ea.  | 1947-1954 Fuel Tank  | 1 ea. | 1/2" 90° fitting |
| 13 ea. | 3/8-16 x1gr.8 Bolt   | 1 ea. | 3/8" 90° fitting |
| 13 ea. | 3/8 Lock Washer      | 1 ea. | 3/8-NPT plug     |
| 13 ea. | 3/8 Flat Washer      | 5 ea. | 10-32 x 1/2      |
| 6 ea.  | Flange Backing Strip | 1 ea. | 3/8 nut          |
| 1 ea.  | Gas Cap              |       |                  |

## Required Parts:

Fuel Line  
Hose Clamps  
1/2" Vent Hose  
Fuel Level Sending Unit

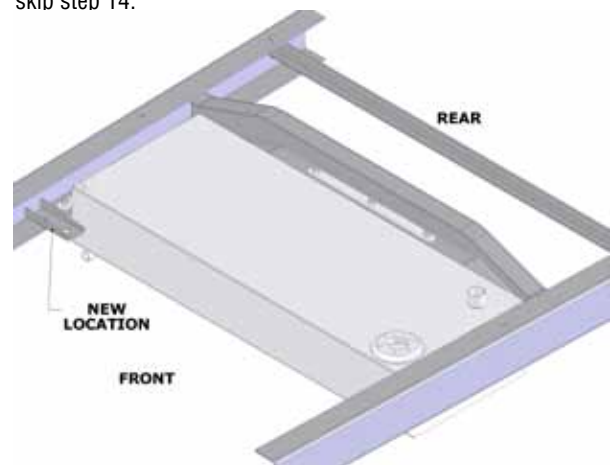
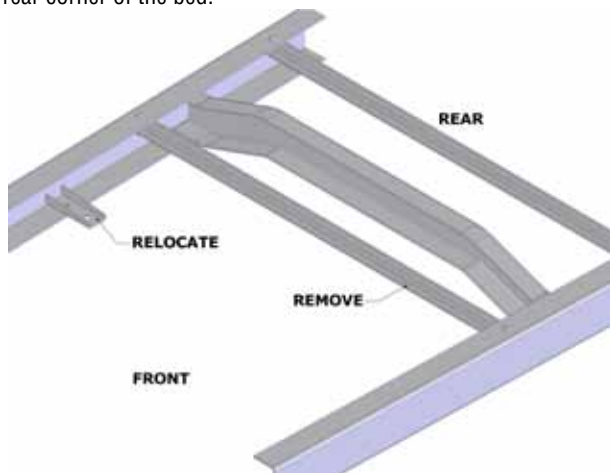
## Note:

Spare tires originally mounted under the bed will have to be removed.

## Instructions:

1. Remove the bed from the truck.
2. Remove the spare tire.
3. Remove the forward spare tire mounting crossmember. The crossmember is located behind the shock mounts and bolted to the top of the frame.
4. The bracket that supports the rear brake line where the rear brake hose starts will have to be relocated. Remove the rivet taking care to avoid damaging the bracket, brake line, or the brake hose. The bracket will be reinstalled 3" forward of its original location after the fuel tank has been mounted.
5. Position the fuel tank under the rear of the truck between the rear crossmember and the rear axle. The fuel filler should be located to the left rear corner of the bed.

6. Using a floor jack against the bottom of the fuel tank, hold the fuel tank mounting flange tight against the bottom of the frame.
7. Using the flange backing strip as a template mark and drill 3 3/8" holes thru the bottom of the frame and the tank mounting flange on each side and the rear of the fuel tank.
8. Position the flange backing strip in the channel of the frame as shown in the diagram below.
9. Bolt the fuel tank in place using the nine 3/8 bolts, flat washers, and lock washers supplied with the kit.
10. Lower and remove the floor jack that was holding the fuel tank in place.
11. Position the brake line bracket 3" forward of its original location. Drill a 3/8 hole thru the frame and bolt the bracket onto the frame using the rivet hole in the bracket. It may be necessary to loosen the brake line retaining clips and "massage" the brake line to take up any slack.
12. Thread the 1/2" 90° barbed fitting in to the bung located on the top of the fuel tank. Using a hose clamp connect a vent hose to the barbed fitting. (Make sure that the vent hose is safe for use with gasoline) The other end of the vent hose should be located 18" above the gas cap.
13. Be sure to read and follow the instructions that came with the sending unit. Check that the resistance of the sending unit is correct for the fuel gauge. Install the fuel tank sending unit thru the flange on top of the fuel tank. Align the top of the sending unit mounting holes with the threaded holes in the sending unit flange on the top of the fuel tank making certain that the float can not contact the sides of the fuel tank or the inner baffles. Tighten the sending unit with the 5 10-32 screws supplied with the fuel tank. For sending units equipped with a fuel hose fitting skip step 15. For sending units without a fuel hose fitting skip step 14.



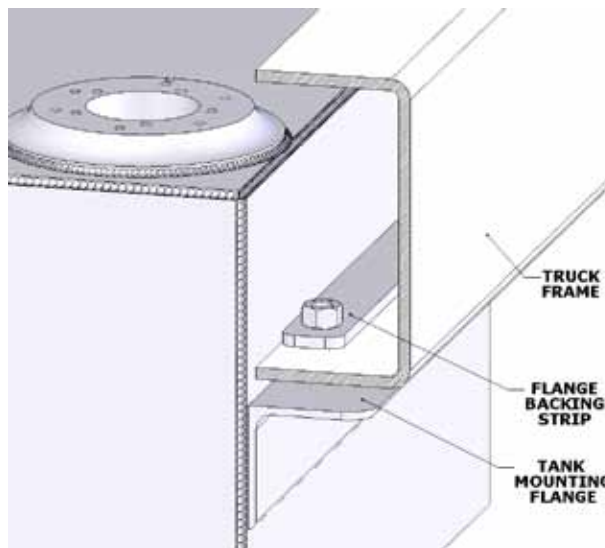
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14. Use a hose clamp to connect the fuel hose to the fitting located on the top of the fuel tank sending unit. The other end of this hose will need to go to a fuel pump. (It is recommended that a fuel filter is used between the fuel tank and fuel pump.) Seal the threaded bung on the bottom of the fuel tank with a 3/8 NPT plug.
15. Install the 3/8" 90° barbed fitting into the threaded bung at the bottom of the fuel tank. Use a hose clamp and connect the fuel hose to the barbed fitting. The other end of this hose will need to go to a fuel pump. (It is recommended that a fuel filter is used between the fuel tank and fuel pump.)
16. A second 3/8" threaded bung is provided for fuel injected applications that require a fuel return line, plumb as necessary. If a fuel return line is not needed install the 3/8" plug in to this threaded bung. (Do not use the fuel tank until both the 3/8" bungs are plumbed!)
17. Install the bed onto the truck.
18. Cut an access hole thru the bed above the gas cap.



***For technical help call Classic Performance Products Monday thru Friday 8:30am to 5:00pm at (714) 522-2000.***