



INSTALLATION INSTRUCTIONS

GAS TANK SUMP KIT

P/N: C4040, C4041

This Sump Kit is designed to weld to the bottom, rearmost portion of a steel gas tank. It will allow the fuel pumps to receive uninterrupted fuel flow during acceleration and hard launches.

NOTE: INSTALLATION OF THIS PRODUCT REQUIRES WELDING AND MODIFICATION TO THE EXISTING GAS TANK. FAILURE TO CONDUCT THIS INSTALLATION IN A SAFE MANNER MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH. REVIEW THESE BASIC SAFETY GUIDELINES BEFORE PROCEEDING.

- To avoid the possibility of fire, disconnect the battery cables.
- Always relieve fuel system pressure prior to disconnecting any fuel system component.
- Always place a shop towel or cloth around a fitting or connection prior to loosening to absorb any excess fuel due to spillage. Ensure that all fuel soaked cloths or towels are deposited into a suitable waste container.
- Always keep a Dry Chemical (Class B) fire extinguisher near the work area.
- Extinguish all open flames and sparks such as pilot lights, portable heaters and grinders. Gas vapors travel low to the ground and can ignite rapidly.
- Work in a well-ventilated area.

INSTALLATION

1. Remove the tank from the vehicle and drain the fuel into an approved fuel storage container.
2. Have the tank professionally cleaned (Radiator Shop) to remove all traces of fuel and fuel vapors.
3. Centrally locate the sump onto the tank in the bottom rearmost area. Trace the perimeter of the sump onto the tank with a scribe or marker.
4. Using the supplied template, scribe the locations for five 2-1/2" diameter baffle holes within the marked sump outline. Drill the five holes using a metal holesaw. Remove all sharp edges and filings from the tank.
5. Sand along the scribed perimeter of the sump outline removing all paint, rust and galvanizing.
WARNING: WELDING OF GALVANIZED METAL CAN GIVE OFF TOXIC GASES THAT CAN BE DANGEROUS TO YOUR HEALTH. MAKE SURE TO CLEAN THE METAL THOROUGHLY.

*For Technical Assistance, call Competition Engineering's Tech Line at
(203) 458-0542, 8:30am-5:00pm Eastern Time*

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6. Position the sump in place and tack weld the four corners to the tank. Now tack weld every three inches around the perimeter of the sump. Finish weld the sump to the tank alternating from side to side to eliminate warpage.

NOTE: We recommend placing a block of dry ice inside the tank before welding to eliminate the chance of fire or explosion. This should not be substituted for professional cleaning.

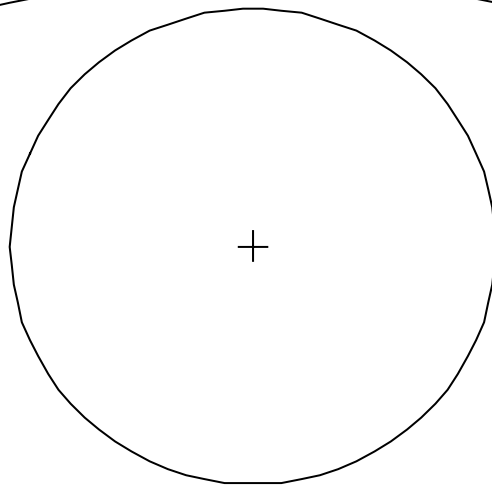
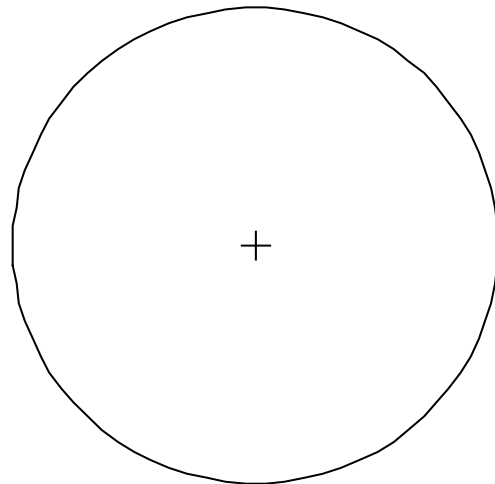
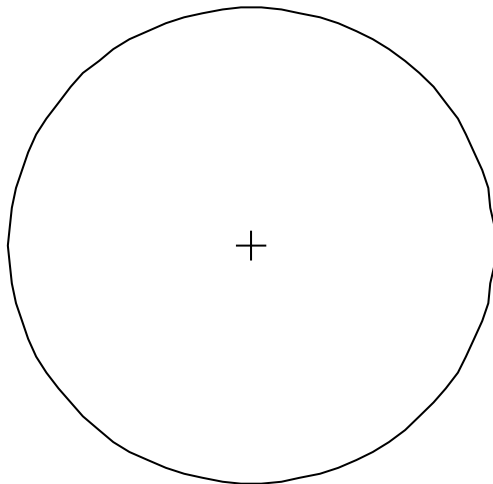
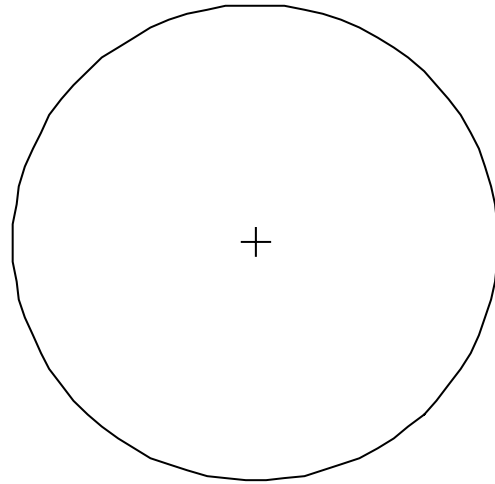
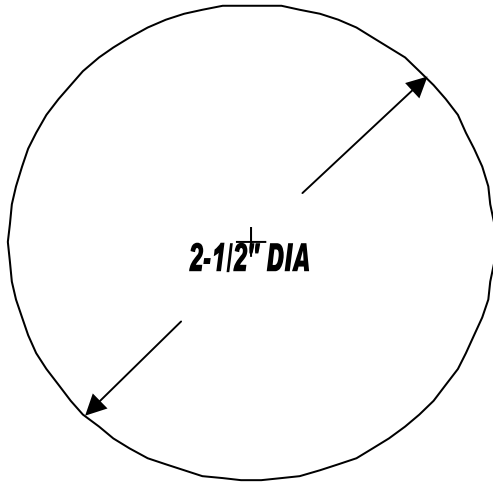
7. Test for leaks by filling the tank with water or another non-flammable liquid. If leaks are detected, empty tank and re-weld over them. Repeat this procedure until all leaks are eliminated.
8. Clean tank thoroughly to remove all traces of weld spatter. At this time, we highly recommend that you coat the interior of the tank/sump with a high quality gas tank sealer. This is available through The Eastwood Company (1-800-345-1178)
9. Re-install the tank in the vehicle and secure properly. Install the necessary fittings into the sump bungs.

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Fitting

Fitting

REAR OF TANK



GAS TANK SUMP BAFFLING TEMPLATE