

23 Gallon Rear Fuel Tank

Tools needed for install:

- 1 Floor jack
- 1 4" X 4" around 12" long
- 2 9/16" wrenches
- 1 7/16" wrench
- 1 Standard Screwdriver or 1/4" nut driver
- 1 Wire crimping tool

Tank removal:

1. Move the Bronco to a flat and level area and block the front wheels.
2. Drain the main fuel tank of as much fuel as possible either by running the tank dry or draining the fuel into an approved container.
3. Disconnect the negative battery cable from the battery.

WARNING: GASOLINE IS HIGHLY FLAMMABLE. EVERY PERCAUTION MUST BE TAKEN TO AVOID SPARKS. ANY SPILLED GASOLINE SHOULD BE CLEANED UP THOROUGHLY BEFORE PROCEEDING WITH THE INSTALL.

4. If necessary, raise the rear of the Bronco to have adequate height to remove and install the rear gas tank. Support the Bronco's frame on jack stands as necessary.
5. Disconnect the fuel fill hose and any vent hoses, efi return hoses or any emission hoses that may be present on the side of the fuel tank.
6. Disconnect the fuel gauge sending unit wire at the rear of the fuel tank.
7. Disconnect and plug the fuel line at the fuel gauge sending unit at the front of the fuel tank.

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8. Support the rear fuel tank with a scrap piece of plywood and a floor jack at the approximately center of the fuel tank bottom.
9. Loosen the nut securing the tank mounting strap and swing the strap down. Disengage the strap's "T" end from the frame and remove the strap.
10. Lower the fuel tank and disconnect the vent hose(s) at the top of the tank.
11. Lower and remove the fuel tank.

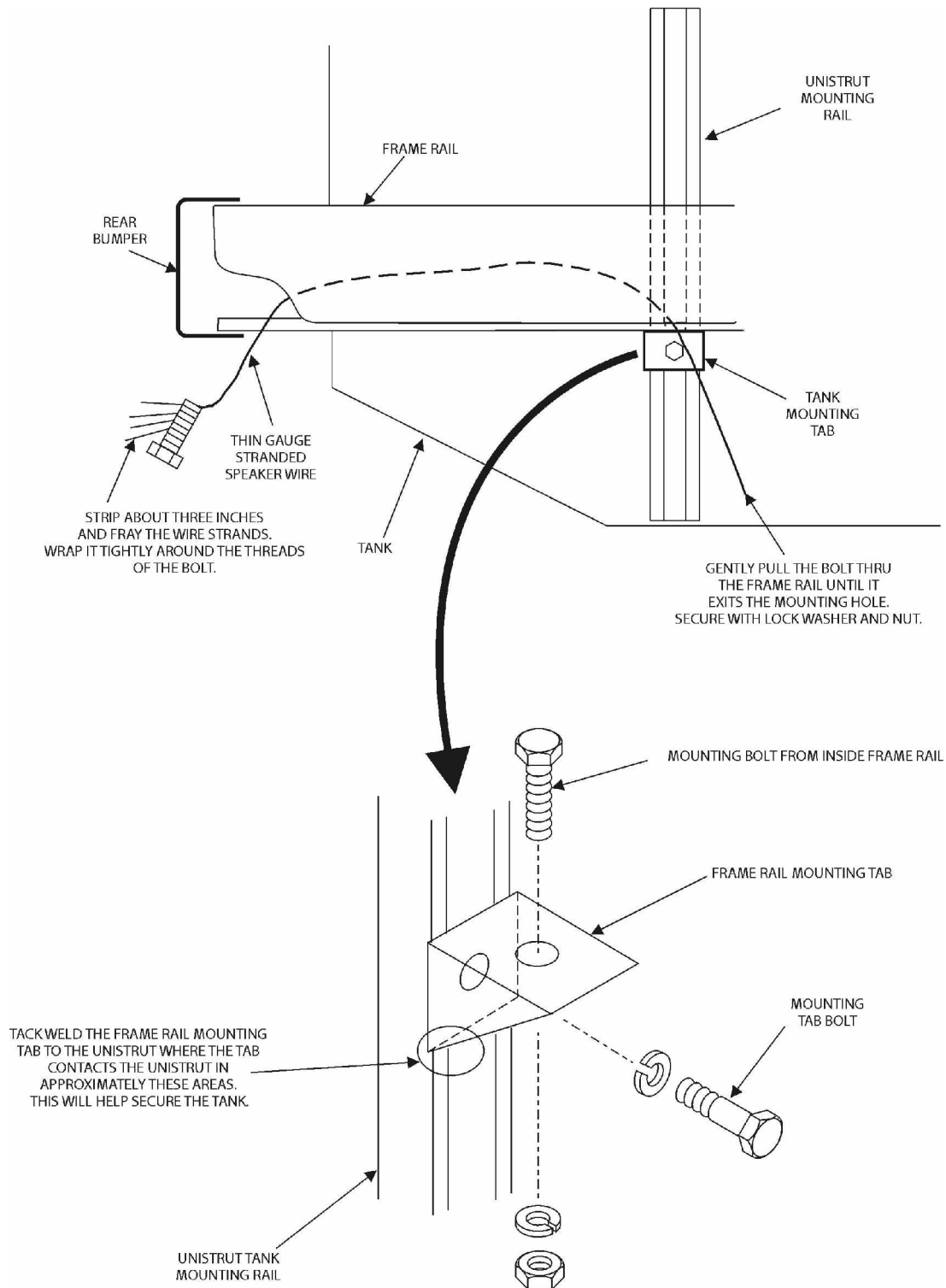
Tank installation:

1. Carefully install the fuel gauge sending unit in the BC Bronco 23-gallon fuel tank.
2. Slide the special Unistrut nuts into the Unistrut rails.
3. Insert a provided mounting bolt thru the tank mounting tab and secure the tank mounting tab to the tank's Unistrut nuts (finger tight only). Orient the mounting tabs so the flat part of the mounting tab is up and against the frame rail/cross member.
4. Support the 23-gallon fuel tank on a floor jack using a scrap piece of plywood to protect the finish and distribute the load across the bottom of the tank.
5. Carefully raise the fuel tank so the fuel line and vent/return lines can be connected.
6. Connect the 3/8" fuel line and the 5/16" return/vent lines using hose clamps.

NOTE: If the return line is not needed, cap it off. You will need a vent. The vent should be connected to the stock vent system.

7. The tank should not touch the floor of the Bronco.
8. Position the forward edge of the fuel tank against the forward frame cross member.
9. Raise the tank into position. Slide the side mounting tabs up to make contact with the frame rails. Slide the forward mounting tabs up to make contact with the frame cross member.
10. Position the tank to the frame rails so the gap is even on both sides.
11. Locate the tank's forward mounting tabs over the existing holes in the forward frame cross member.
12. Locate, then center punch and drill a 3/8" hole in each forward mounting tab.
13. Insert 3/8" bolts up through the fuel tank's forward mounting tabs and through the forward frame cross member. Secure with a 3/8" nut and washer only finger tight at this point.
14. Locate, then center punch and drill through the tank's side mounting tabs and through the bottom of the frame rail using 3/8" drill.
15. Using an approximately 2' length of stranded wire (speaker wire or equivalent), insert the wire up through the fuel tank's side mounting tab and out through the end of the frame rail at the rear of the Bronco.
16. Twist the wire strands around the provided 3/8"x 1" bolt. Carefully "fish" the bolt through the end of the frame rail and down through the holes drilled in Step 14.
17. Secure with a provided 3/8" nut and washer only finger tight at this point.
18. Raise the tank into its final mounting position
19. Tighten the mounting tab to Unistrut bolts.
20. Tighten the mounting tab to frame mounting hardware.
21. Check all mounting hardware for tightness.
22. Remove the supporting floor jack.
23. Reconnect and secure fuel filler hose, fuel line(s), vent hoses, efi return hoses and any emission hoses.
24. Reconnect the fuel gauge sender unit wire and ground.
25. If used, remove the jack stands and lower the Bronco.
26. Fill the fuel tank and check for leaks.
27. Reattach the negative battery cable.

NOTE: It is highly recommended that the mounting tabs be tack welded at the points where the mounting tabs come in contact with the Unistrut. Both the bolts and tack welding will secure the tank. By grinding the tack welds, the tank can be repositioned.



EFI Tank Electrical Connections and Fittings

