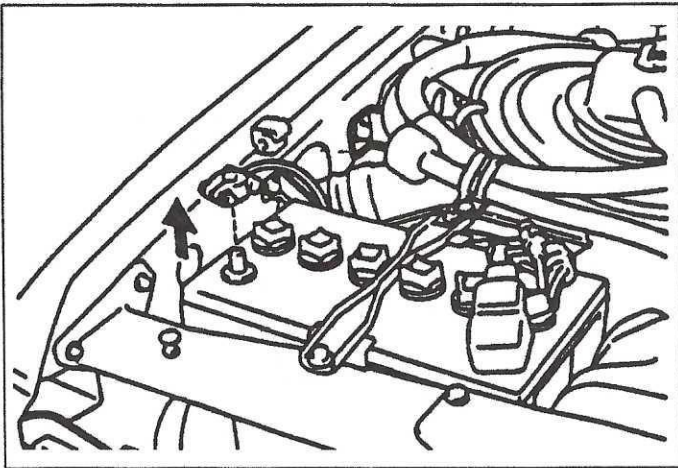


VI. FUEL TANK REPLACEMENT PROCEDURE (FOR 2F ENGINE VEHICLES - FJ60):

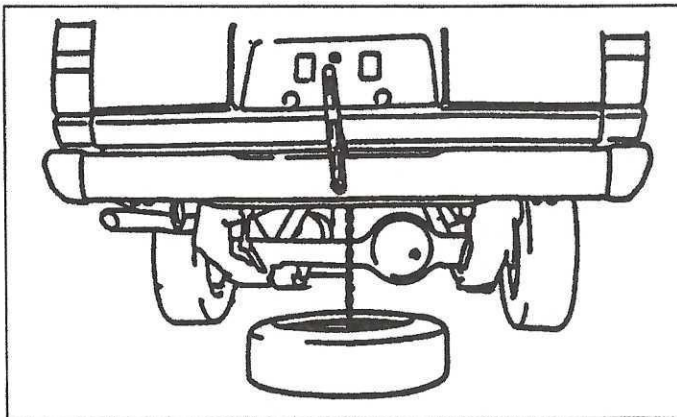
A. REMOVAL OF FUEL FROM TANK

1. Disconnect negative battery cable from battery.

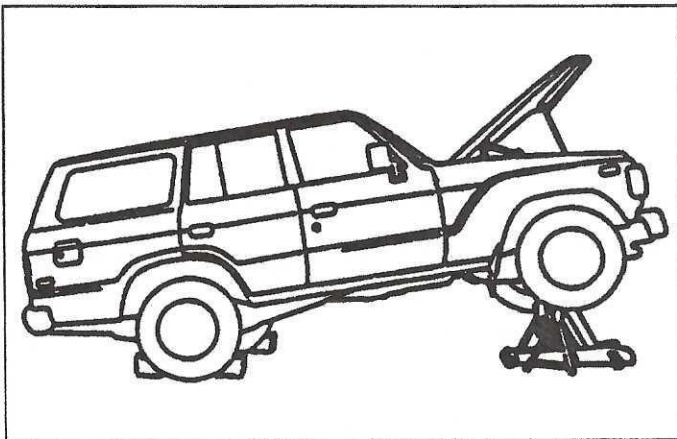


Note: Before disconnecting the battery cable, record the pre-programmed radio stations if the vehicle is equipped with a radio with electronic tuner.

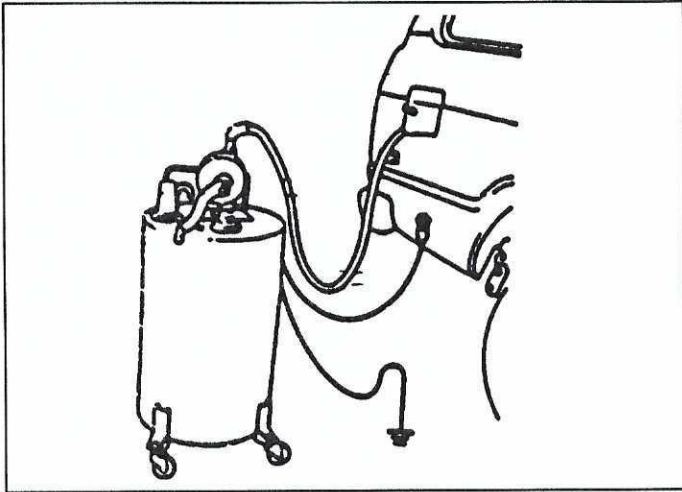
2. Lower and remove spare wheel.



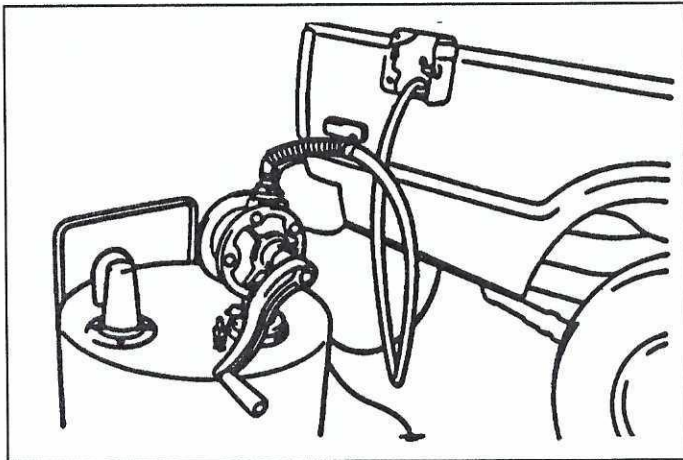
3. Block rear wheel, jack up and support front of the vehicle as high as possible, to enable fuel in the tank to be sucked up from fuel inlet as much as possible.





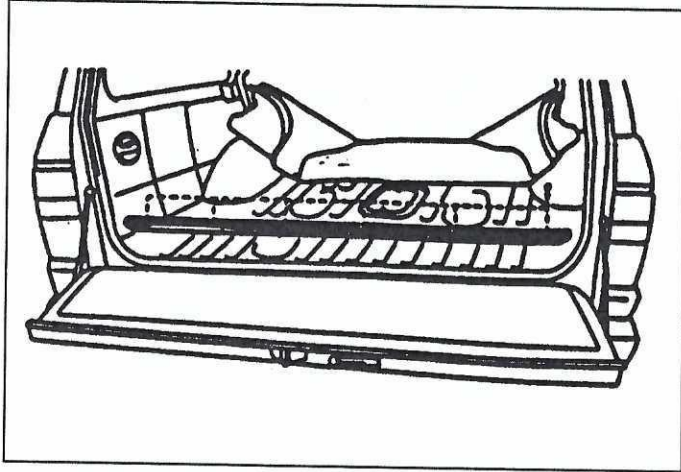


4. Connect grounding wires between the vehicle, fuel pump, fuel container and a good ground such as the vehicle hoist or metal plumbing pipes to equalize electric potential of static electricity.

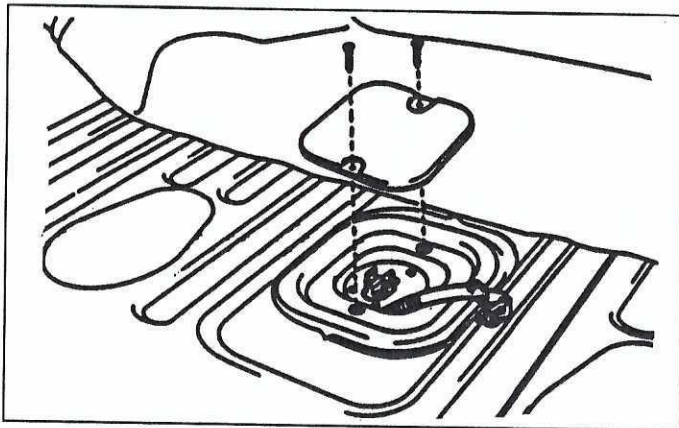


5. Remove fuel tank cap and suck up fuel from the tank through the tank inlet as much as possible.
6. Disconnect grounding cables and lower the vehicle.

## B. REMOVAL OF ORIGINAL TANK

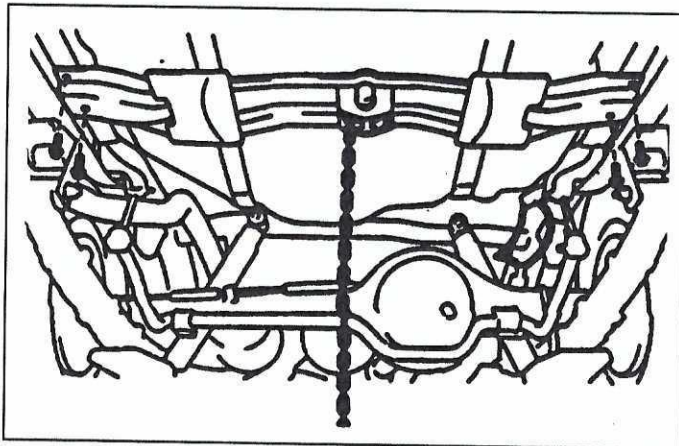


1. Remove 6 screws and rear floor mat trim plate, turn over the floor mat to access the rear floor service hole cover.



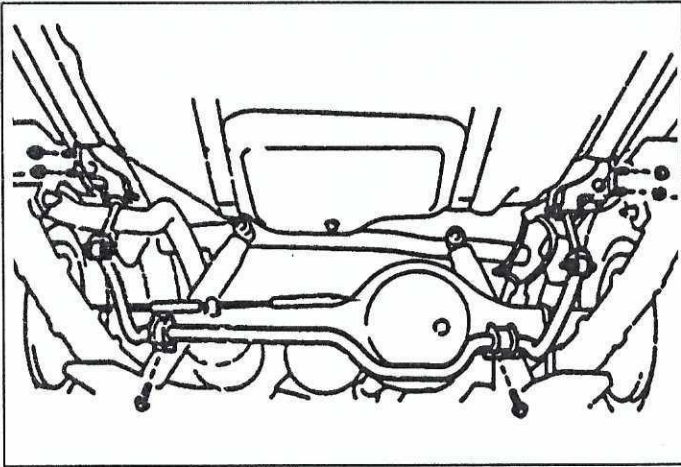
2. Remove 2 screws and service hole cover, disconnect fuel sender gage wire connectors.

Note: Fuel sender gage wire should be pulled out from the service hole for easy reconnecting.

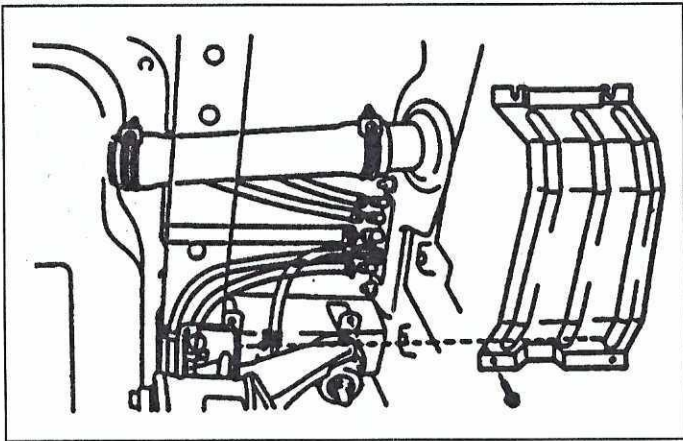


3. Remove 4 bolts, nuts and crossmember No. 5 together with the spare wheel carrier.





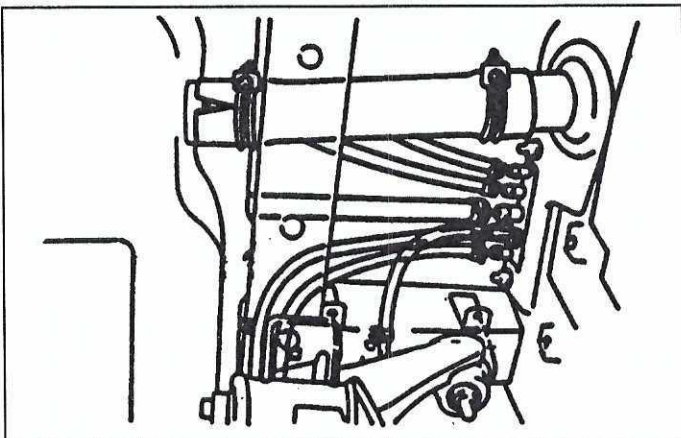
4. If the vehicle is equipped with a rear stabilizer, remove 4 self-lock nuts securing right and left rear stabilizer brackets to the frame rail, 2 bolts securing rear stabilizer to the rear axle housing and rear stabilizer together with the right and left links and brackets.



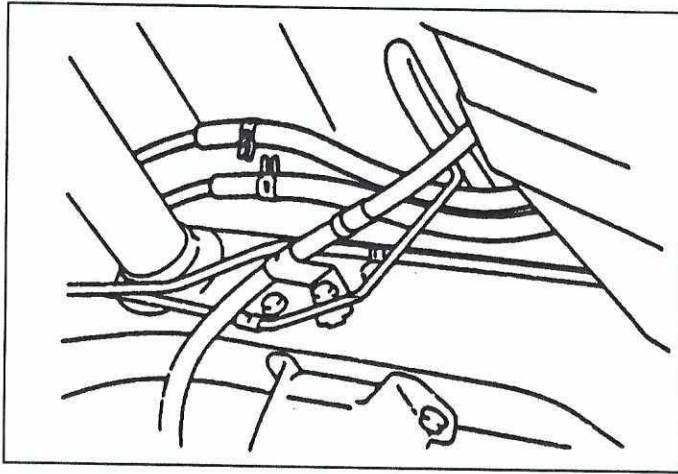
5. Remove 4 bolts and fuel hose protector.
6. Loosen clips and disconnect 5 fuel hoses from fuel tube connector.

Note: Since a small amount of fuel remains in the hoses, cover the hoses with a shop towel when disconnecting the hoses, to catch any fuel that may leak out.

7. Disengage 2 front fuel hoses (out of 5) from the body clamps.

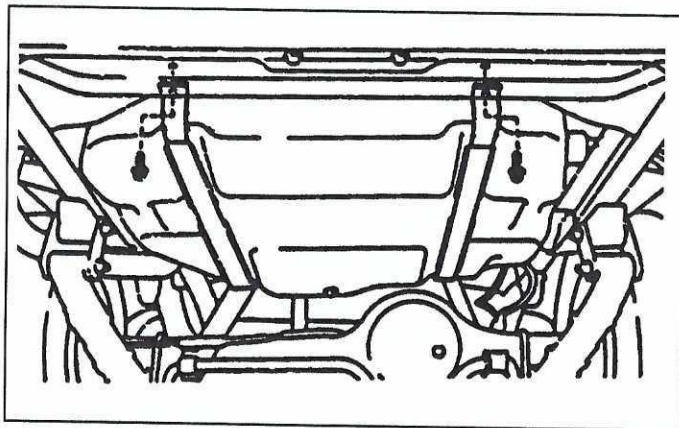


8. Loosen both clamps and cut the tank-side end of fuel inlet hose to easily disconnect the hose, then disconnect the inlet hose from fuel tank.
9. To prevent the remaining fuel from leaking, use the inlet hole cap fitted onto the new tank to plug the fuel tank inlet hole and fasten with adhesive tape.

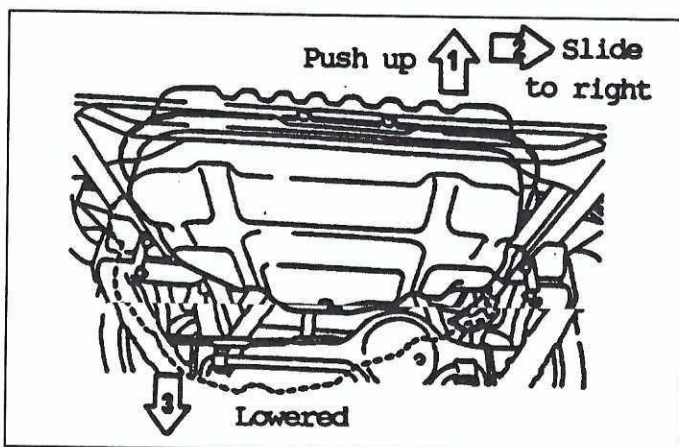


10. Loosen the clips and disconnect fuel main and return hoses from fuel main tubes at the right front corner of the fuel tank.

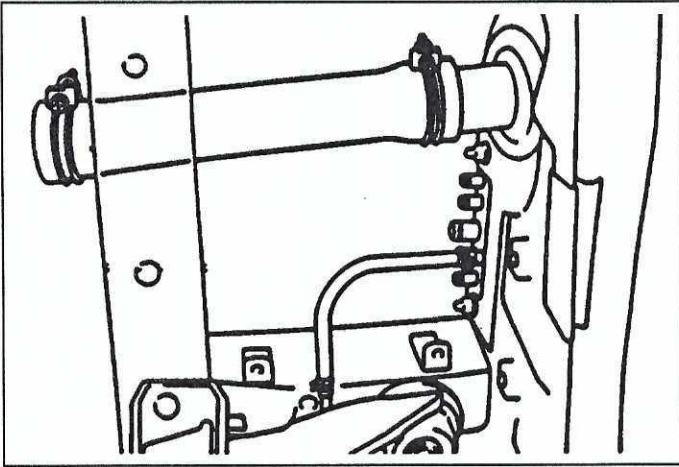
Note: Immediately plug the fuel hoses with 10 mm bolts, to prevent fuel from escaping.



11. Remove 2 bolts and disconnect both right and left rear ends of fuel tank band.



12. Raising the right side of the tank and pulling it to the right, lower the fuel tank from the vehicle.

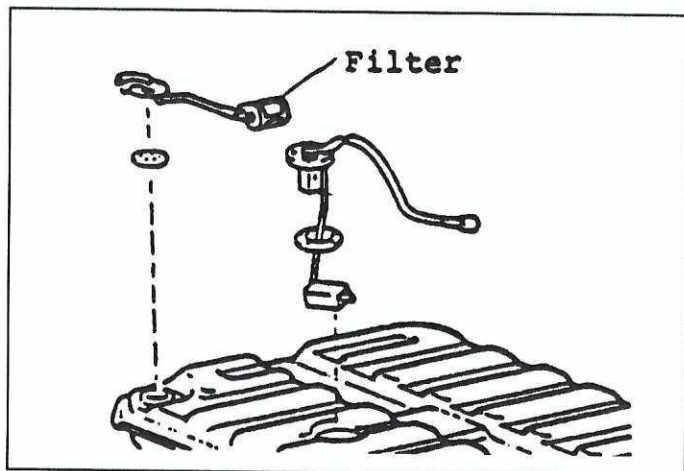


13. Replace fuel inlet hose and clamps with new ones.

Note: Tighten new clamps slightly so that the clamps do not fall off the inlet hose.

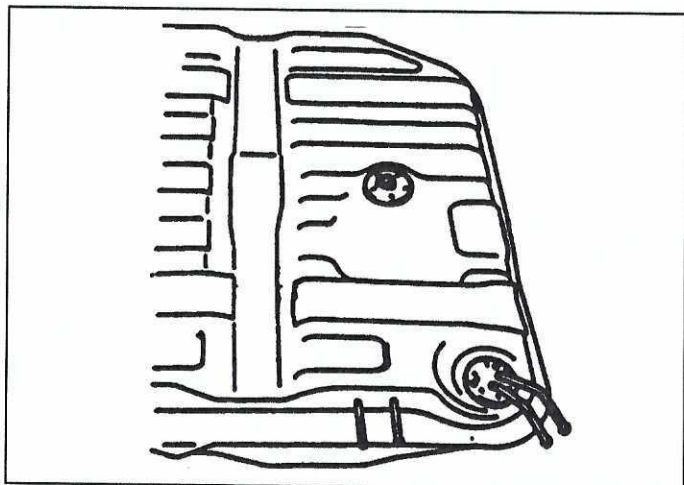


### C. PREPARATION OF NEW TANK



1. Remove 5 screws and fuel sender gage, and 5 screws and suction tube sub-assy. from the tank together with fuel filter.

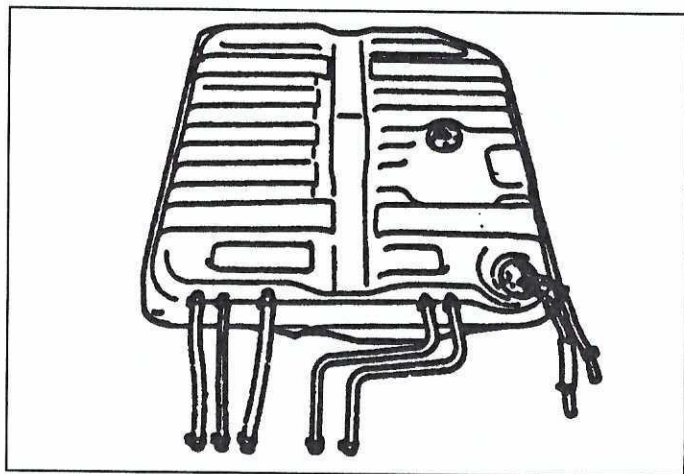
Note: Special care should be taken so that the fuel suction tube filter does not fall into the tank when removing the suction tube sub-assy.



2. Secure fuel sender gage and suction tube sub-assy with fuel filter to the modified new tank.  
(P/N 04001-04160).

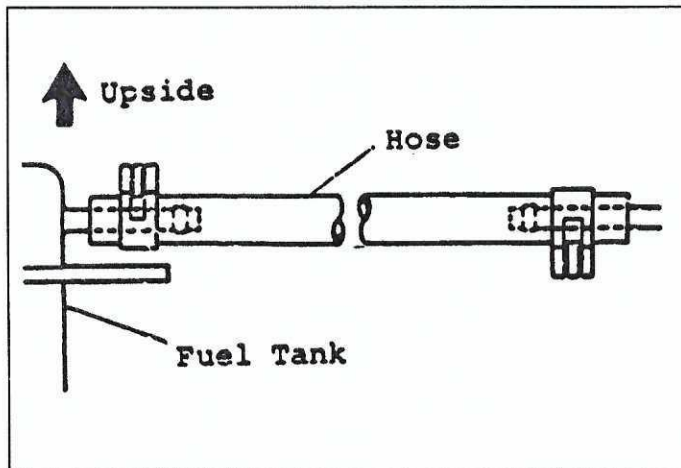
Note: Use new gaskets contained in the fuel tank service kit.  
(P/N 04001-03160).

Torque: For suction tube sub-assembly 30 kg-cm  
(2.2 ft. lb., 2.9 N.m)  
For sender gage 15 kg-cm  
(1.1 ft. lb., 1.5 N.m).



3. Install 7 new fuel hoses with clips to the new tank, using the original tank and hoses for reference.

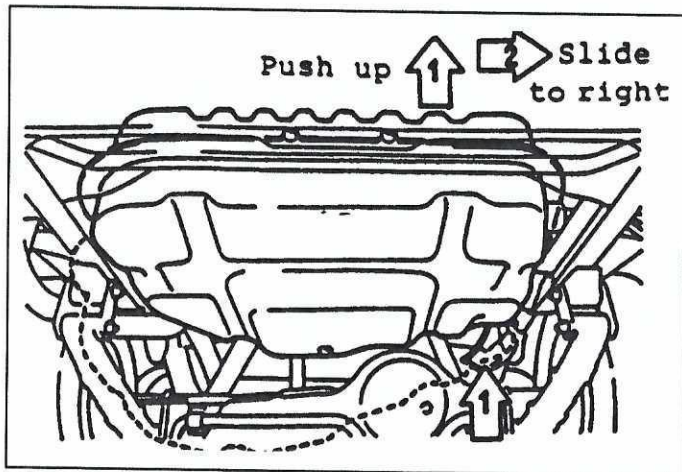




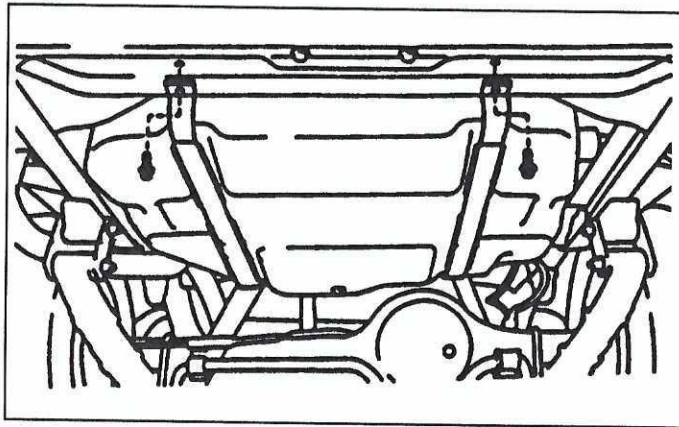
Note: The fuel clips should be installed as shown in the diagram at left.

4. Drain the remaining fuel completely from the original tank.

#### D. INSTALLATION OF NEW TANK



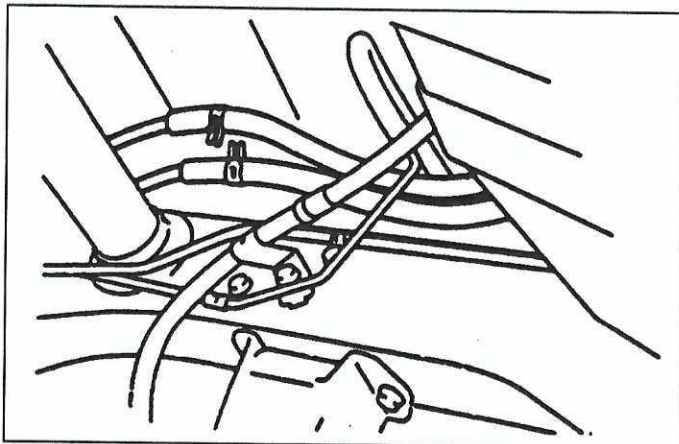
1. Raising right side of the fuel tank, install new fuel tank into the vehicle.



2. Secure right and left fuel tank bands.

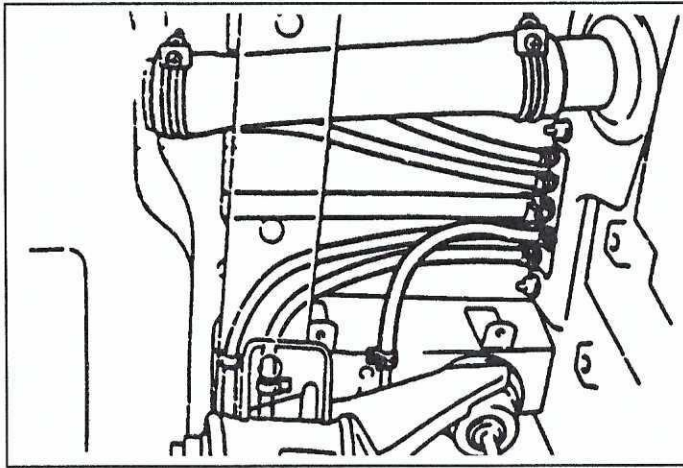
Torque: 375 kg-cm  
(27 ft. lb., 37 N.m)

Note: Make sure that rubber protectors are correctly installed between the tank and tank bands.



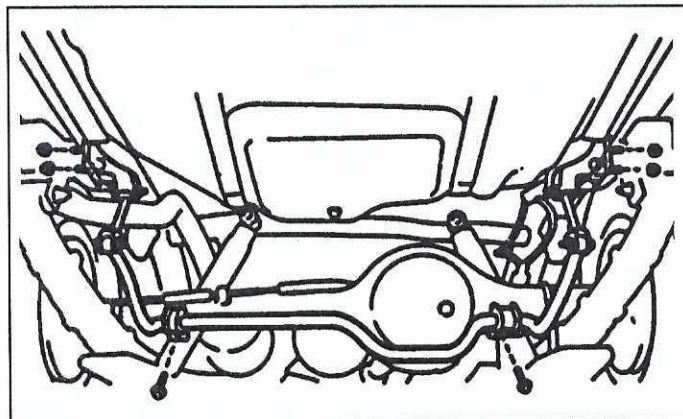
3. Connect and secure fuel main and return hoses to the fuel main tube sub-assy. at the right front corner of the fuel tank.

Note: Make sure that the hoses do not contact each other and/or other parts.



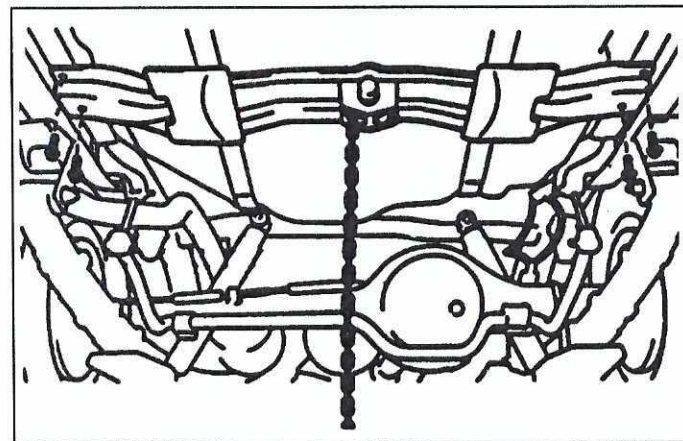
4. Connect fuel inlet hose to the fuel tank and secure hose clamps.
5. Connect 5 fuel hoses to fuel tube connector and secure them with clips.
6. Install 2 front fuel hoses (out of 5) into the clamps on the body.
7. Install fuel hose protector.

Torque: 65 kg-cm  
(4.7 ft. lb., 6.4 N.m)



8. Using new self-lock nuts contained in the fuel tank service kit (P/N 04001-04160) and 2 bolts, install rear stabilizer together with the links and brackets, if the vehicle is equipped with a rear stabilizer.

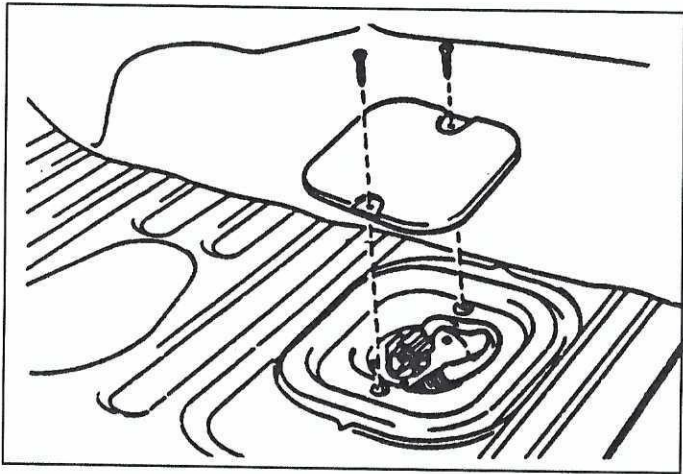
Torque: For bolts 130 kg-cm  
(9 ft. lb., 13 N.m)  
for self-lock nuts 185 kg-cm  
(13 ft. lb., 18 N.m)



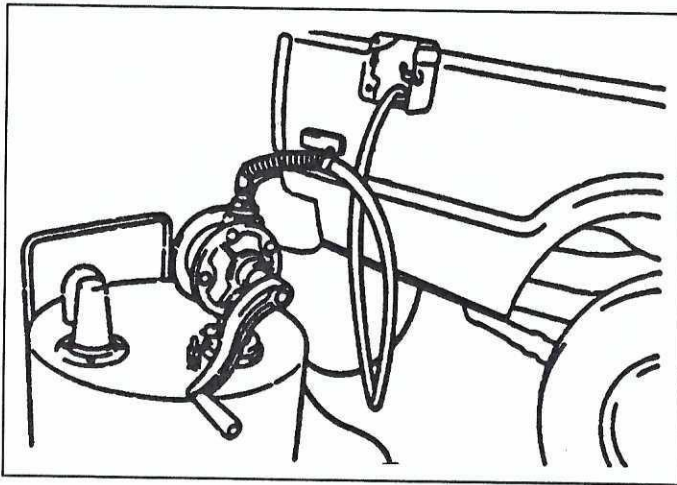
9. Install crossmember No. 5 together with the spare wheel carrier.

Torque: 400 kg-cm  
(29 ft. lb., 39 N.m)



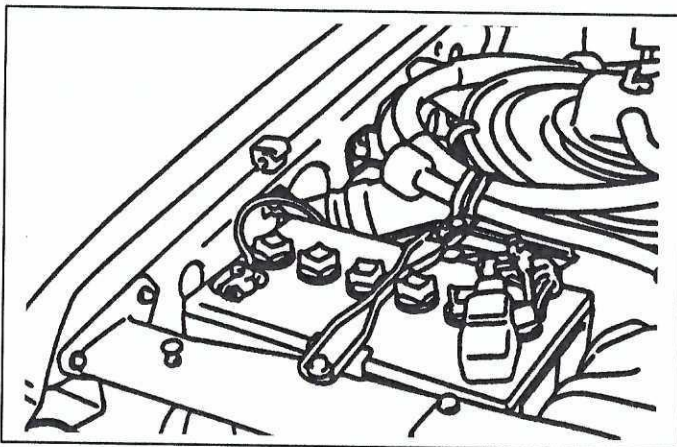


10. Connect fuel sender gage wire.
11. Install rear floor service hole cover.
12. Install rear floor mat (and trim plate).



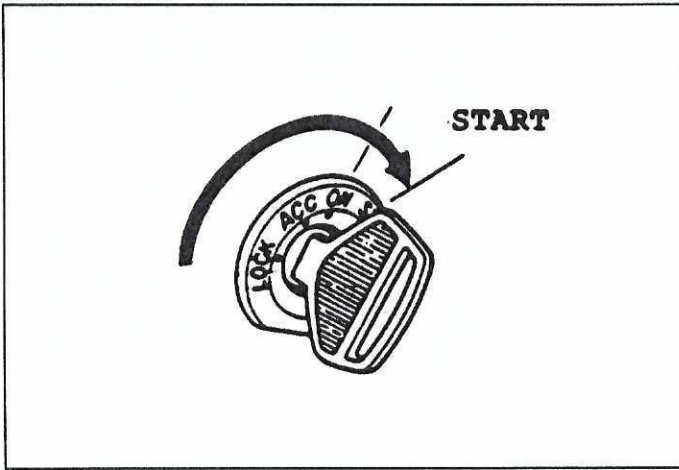
13. Refill fuel tank with drained fuel plus an additional 5 gallons and install fuel tank cap.

Note: Do not insert the fuel hose too deeply into the tank inlet.

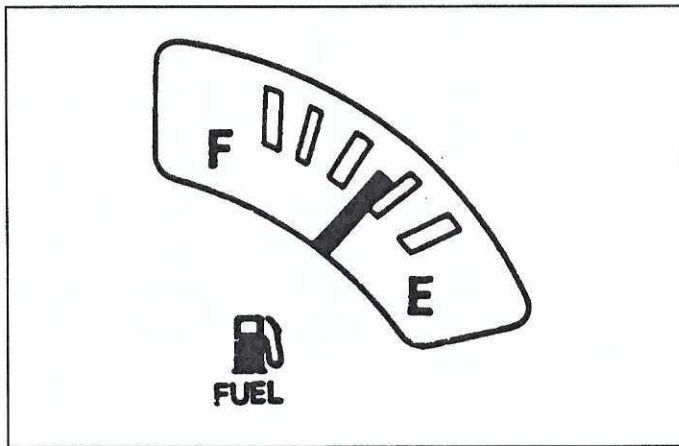


14. Reconnect negative battery cable.

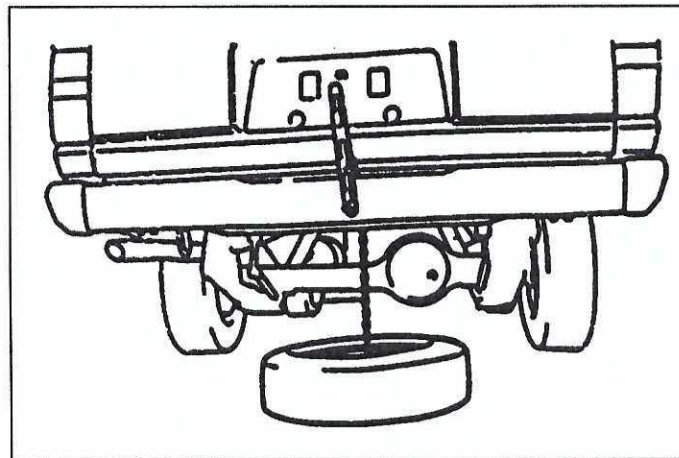




15. Start engine and check for fuel leaks and proper operation.

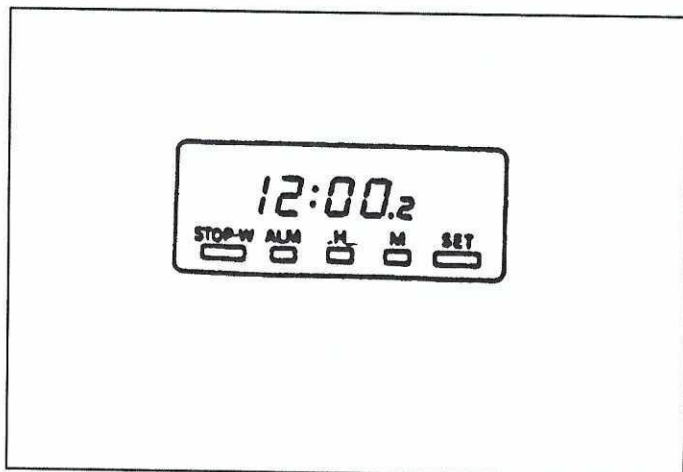


16. Check fuel gage for correct operation.



17. Reinstall spare wheel.

Torque: 340 kg-cm  
(25 ft. lb., 33 N.m)



18. Reset the clock and if the vehicle is equipped with a radio with electronic tuner, reprogram the preset radio stations.

#### E. SSC COMPLETION LABEL INSTALLATION PROCEDURE

Write in  
SSC # M01

Write in  
date of repair

Write in your dealer code

SSC	Date
TOYOTA MOTOR SALES, U.S.A., INC.	
DEALER CODE NO.	
00410-01917	

1. After completing repair and before returning vehicle to the customer an SSC completion label that is enclosed in the owner's letter must be affixed to the firewall (next to the brake booster). Make sure that the surface is clean and dry to ensure proper adhesion of the label.
2. The label is to be filled out as shown at left.
3. Additional SSC completion labels (P/N 00410-01917) may be ordered through the non-parts system on a 1450 order form or through the TDN system.