

FUEL TANK > REMOVAL

for Preparation [Click here](#)

1. DISCHARGE FUEL SYSTEM PRESSURE

CAUTION:

- Do not disconnect any part of the fuel system until you have discharged the fuel system pressure.
- After discharging the fuel pressure, place a cloth or equivalent over fittings as you separate them to reduce the risk of fuel spray on yourself or in the engine compartment.

- a. Disconnect the 2 fuel pump ECU connectors.
- b. Connect the cable to the negative (-) battery terminal.
- c. Start the engine. After the engine has stopped on its own, turn the engine switch off.

HINT:

DTC P0171/0174 (system too lean) may be stored.

- d. Crank the engine again, and then check that the engine does not start.
- e. Loosen the fuel tank cap, and then discharge the pressure in the fuel tank completely.
- f. Disconnect the cable from the negative (-) battery terminal.

NOTICE:

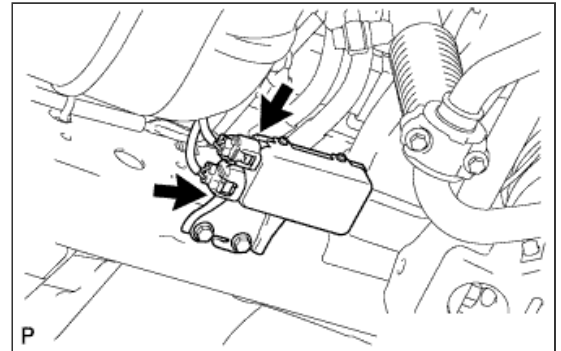
- w/ Navigation System (for HDD):
After the engine switch is turned off, the display and navigation module display (HDD navigation system) records various types of memory and settings. As a result, after turning the engine switch off, be sure to wait for the time specified in the following table before disconnecting the cable from the negative (-) battery terminal.

Waiting Time before Disconnecting Cable from Negative (-) Battery Terminal:

Condition	Waiting Time
Vehicle enrolled in G-BOOK system	6 minutes
Vehicle not enrolled in G-BOOK system	1 minute

- When disconnecting the cable, some systems need to be initialized after the cable is reconnected ([Click here](#)).

- g. Connect the 2 fuel pump ECU connectors.

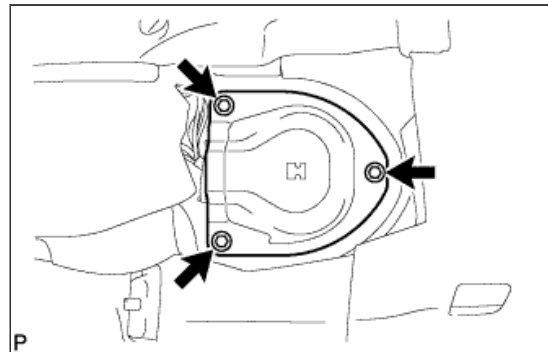


2. REMOVE REAR SEAT ASSEMBLY LH

- a. for 60/40 Split Slide Walk-in Seat Type LH Side:
Remove the rear seat assembly LH ([Click here](#)).

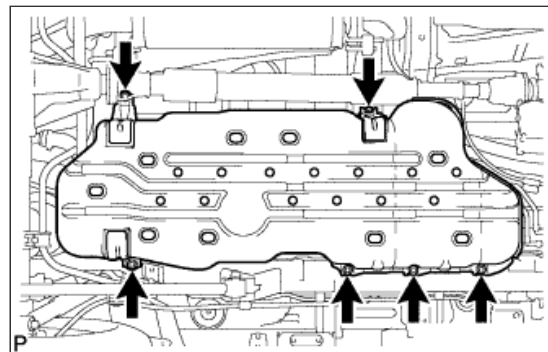
3. REMOVE REAR FLOOR SERVICE HOLE COVER

- a. Remove the 3 screws and rear floor service hole cover.



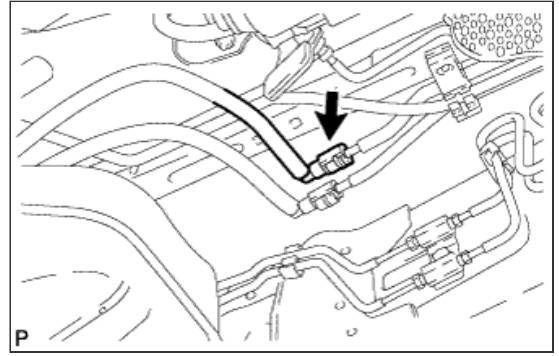
4. REMOVE NO. 1 FUEL TANK PROTECTOR SUB-ASSEMBLY

- a. Remove the 6 bolts and No. 1 fuel tank protector.



5. DISCONNECT FUEL TANK MAIN TUBE SUB-ASSEMBLY

- a. Disconnect the fuel tank main tube ([Click here](#)).



6. DRAIN FUEL

a. Connect the intelligent tester to the DLC3.

b. Turn the engine switch on (IG).

NOTICE:

Do not start the engine.

c. Turn the intelligent tester on.

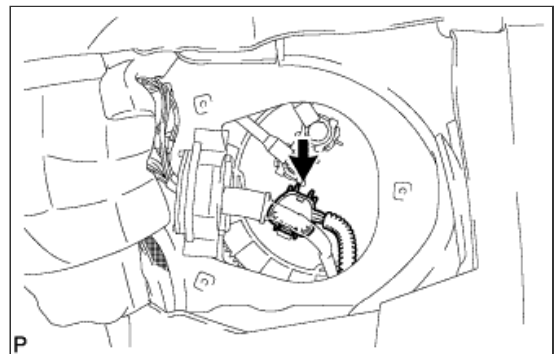
d. Enter the following menus: Powertrain / Engine and ECT / Active Test / Control the Fuel Pump / Speed.

e. Operate the fuel pump and drain the fuel from the fuel tank main tube.

CAUTION:

- Do not smoke or be near an open flame when working on the fuel system.
- Secure good ventilation.
- Keep gasoline away from rubber or leather parts.

f. Disconnect the fuel pump and sender gauge connector.



7. DISCONNECT CABLE FROM NEGATIVE BATTERY TERMINAL

NOTICE:

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After the engine switch is turned off, the display and navigation module display (HDD navigation system) records various types of memory and settings. As a result, after turning the engine switch off, be sure to wait for the time specified in the following

table before disconnecting the cable from the negative (-) battery terminal.

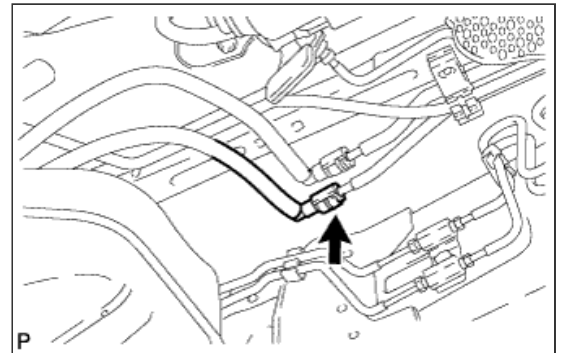
Waiting Time before Disconnecting Cable from Negative (-) Battery Terminal:

Condition	Waiting Time
Vehicle enrolled in G-BOOK system	6 minutes
Vehicle not enrolled in G-BOOK system	1 minute

- When disconnecting the cable, some systems need to be initialized after the cable is reconnected ([Click here](#)).

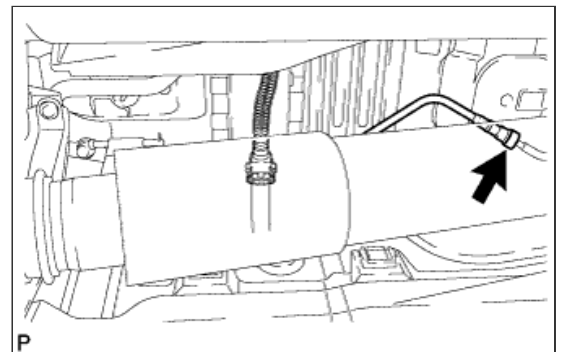
8. DISCONNECT FUEL RETURN TUBE SUB-ASSEMBLY

- a. Disconnect the fuel return tube ([Click here](#)).



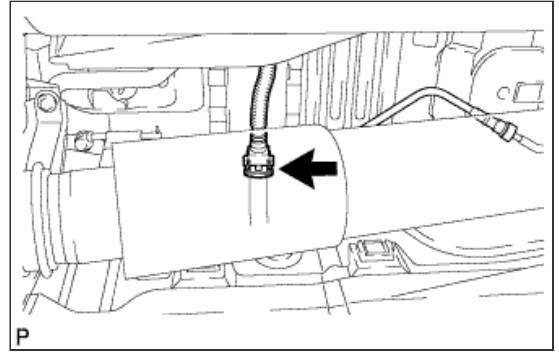
9. DISCONNECT FUEL CUT OFF TUBE

- a. Disconnect the fuel cut off tube ([Click here](#)).



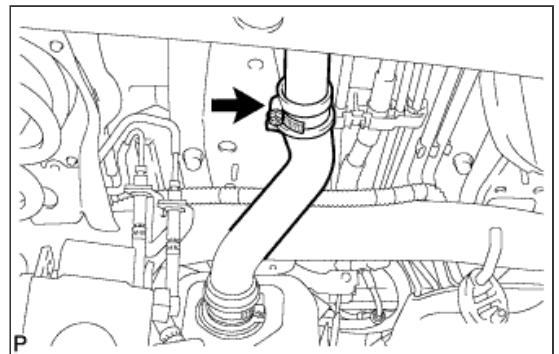
10. DISCONNECT FUEL TANK BREATHER TUBE SUB-ASSEMBLY

- a. Disconnect the fuel tank breather tube ([Click here](#)).



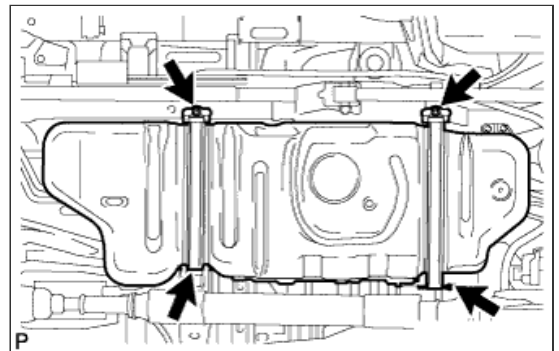
11. DISCONNECT FUEL TANK TO FILLER PIPE HOSE

- a. Disconnect the fuel tank to filler pipe hose from the filler pipe.



12. REMOVE FUEL TANK SUB-ASSEMBLY

- a. Place a transmission jack under the fuel tank.
- b. Remove the 2 bolts, 2 clips, 2 pins and 2 fuel tank bands.
- c. Slowly lower the transmission jack slightly.



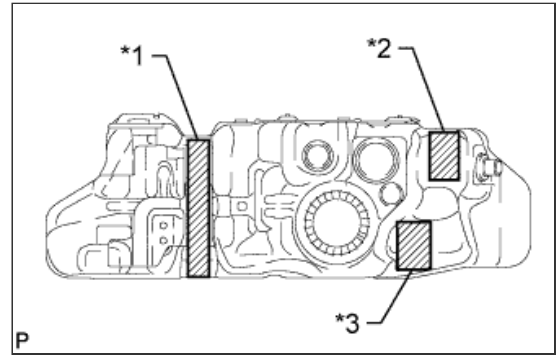
13. REMOVE FUEL TANK CUSHION

- a. Remove the No. 1, No. 2 and No. 3 fuel tank cushions from the fuel tank.

Text in Illustration



*1	No. 1 Fuel Tank Cushion
*2	No. 2 Fuel Tank Cushion
*3	No. 3 Fuel Tank Cushion



14. REMOVE FUEL TANK MAIN TUBE SUB-ASSEMBLY AND FUEL RETURN TUBE SUB-ASSEMBLY

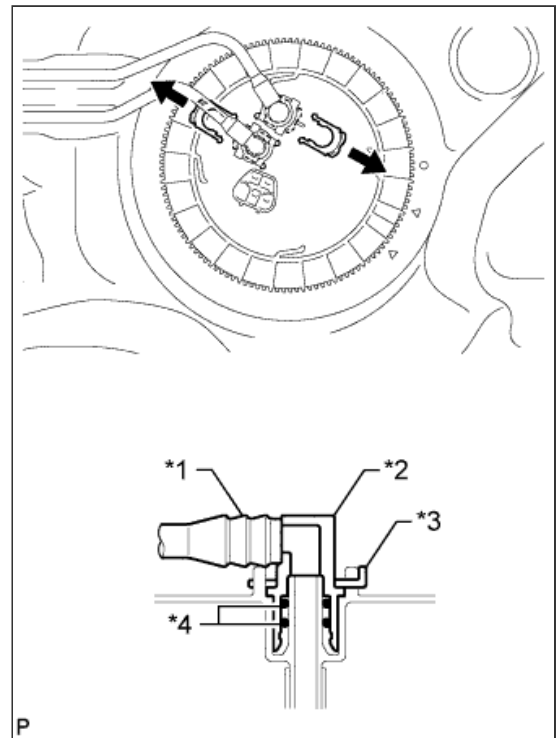
- a. Remove the 2 fuel tube joint clips and pull out the fuel tank main tube and fuel return tube.

Text in Illustration

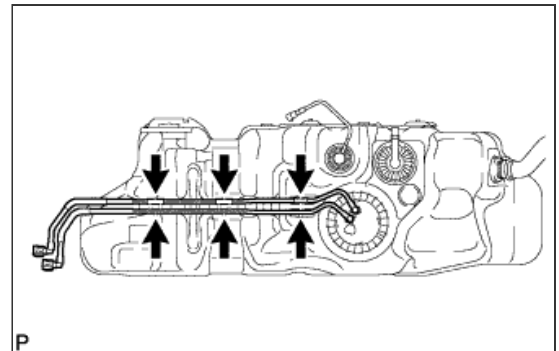
*1	Fuel Tube
*2	Fuel Tube Joint
*3	Fuel Tube Joint Clip
*4	O-ring

NOTICE:

- Remove any dirt and foreign matter on the fuel tube joint before performing this work.
- Do not allow any scratches or foreign matter on the parts when disconnecting them, as the fuel tube joint contains the O-rings that seal the plug.
- Perform this work by hand. Do not use any tools.
- Do not forcibly bend, twist or turn the nylon tube.
- Protect the disconnected part by covering it with a plastic bag and tape after disconnecting the fuel tubes.



- b. Remove the fuel tank main tube and fuel return tube from the fuel tank.



15. REMOVE FUEL SUCTION WITH PUMP AND GAUGE TUBE ASSEMBLY

- a. Using SST, loosen the retainer.

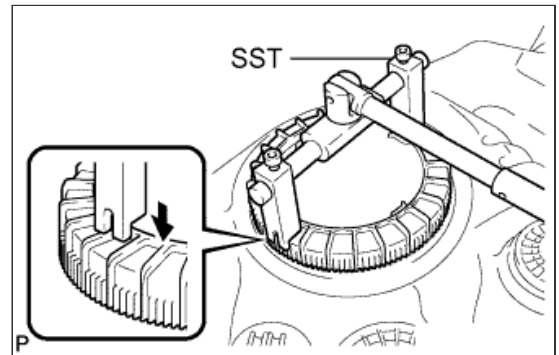
SST
09808-14020

HINT:

Fit the tips of SST onto the ribs of the retainer.

NOTICE:

- When the retainer is loosened, be careful as the pump and gauge tube will spring upward from the force of the spring.
- Remove any foreign matter around the fuel suction with pump and gauge tube before this operation.



- b. Remove the retainer.

- c. Remove the fuel suction with pump and gauge tube assembly from the fuel tank.

NOTICE:

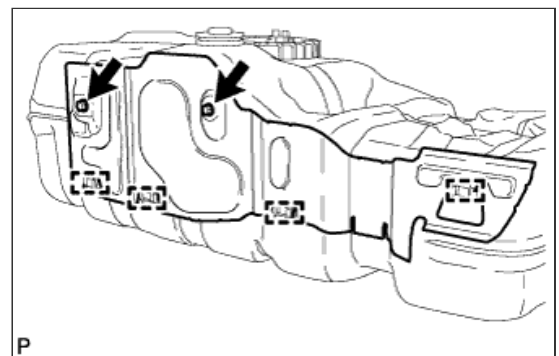
Be careful not to bend the arm of the fuel sender gauge.

- d. Remove the gasket from the fuel tank.

16. REMOVE NO. 3 FUEL TANK PROTECTOR

- a. Remove the 2 bolts.

- b. Detach the 4 clamps and remove the No. 3 fuel tank protector.



17. REMOVE FUEL TANK TO FILLER PIPE HOSE

- a. Remove the fuel tank to filler pipe hose from the fuel tank.

