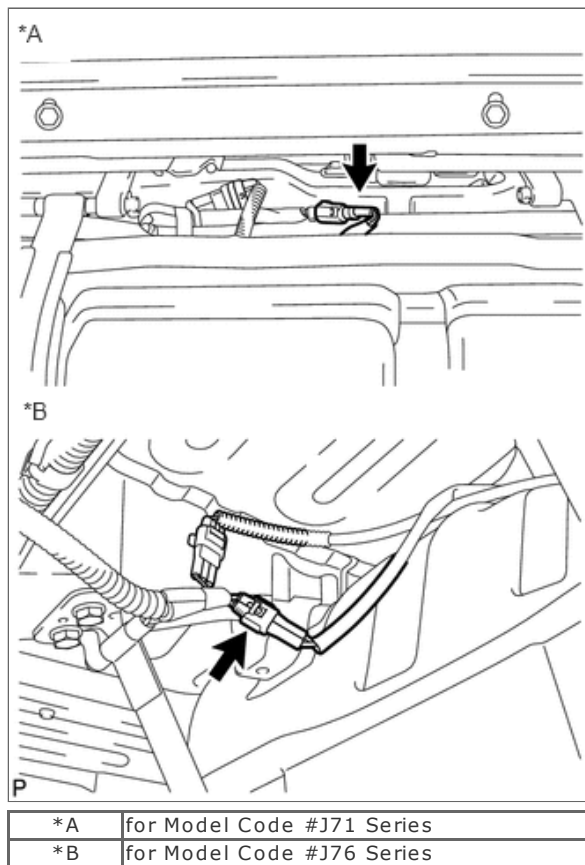


1GR-FE FUEL FUEL SYSTEM PRECAUTION**CAUTION:**

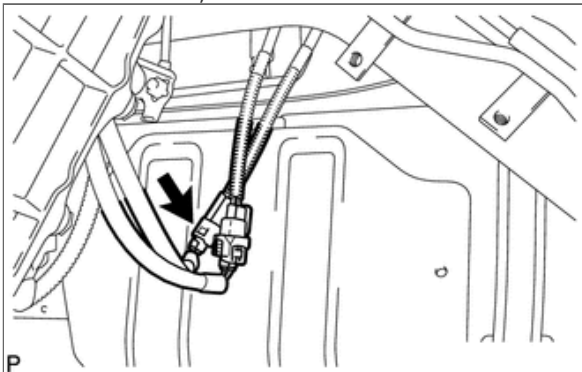
- Before working on the fuel system, disconnect the cable from the negative (-) battery terminal.
- Do not smoke or be near an open flame when working on the fuel system.
- Keep gasoline away from rubber and leather parts.

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.

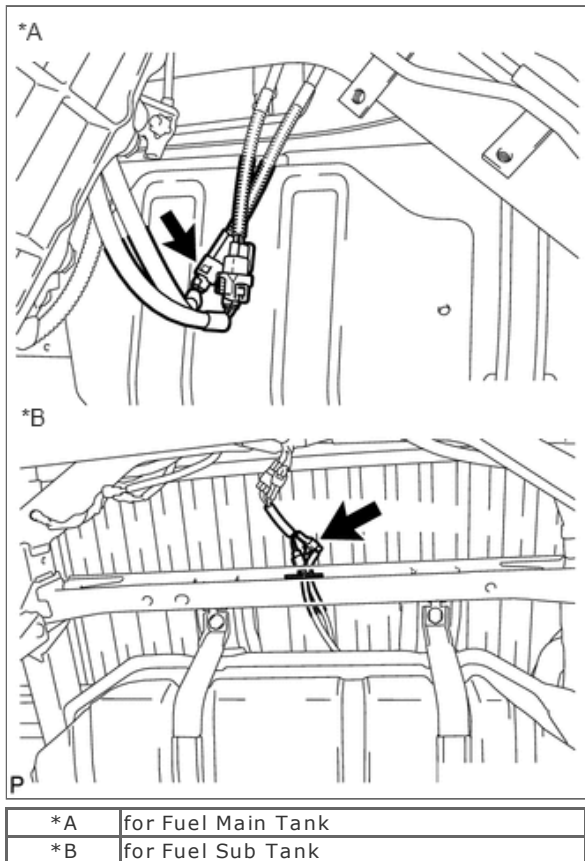
a.

for Model Code #J71, #J76 Series:
Disconnect the fuel pump connector.

b. for Model Code #J78, #J79 Series:**i.**

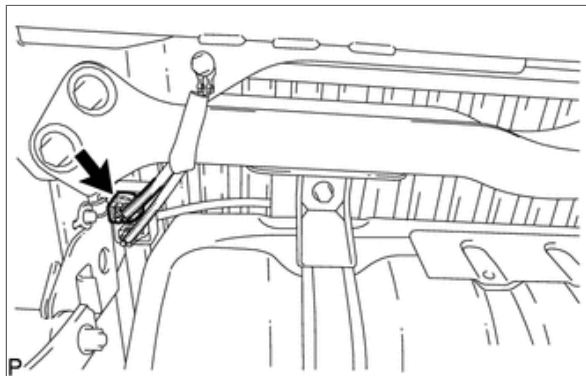
for Single Tank Type:
Disconnect the fuel pump connector.

ii.



for Double Tank Type:
Disconnect the 2 fuel pump connectors.

c.



for 130 L Tank:
Disconnect the fuel pump connector.

d. Start the engine. After the engine has stopped on its own, turn the ignition switch off.

HINT:

If a DTC is output, clear the DTC.

[Click here](#)Engine / Hybrid System>1GR-FE ENGINE CONTROL>SFI SYSTEM>DTC CHECK / CLEAR

e. Crank the engine and check that the engine does not start.

f. Loosen the fuel tank cap assembly, and then discharge the pressure in the fuel tank completely.

g. Disconnect the cable from the negative (-) battery terminal.

h. for Model Code #J71, #J76 Series:
Connect the fuel pump connector.

- i. for Model Code #J78, #J79 Series:
 - i. for Single Tank Type:
Connect the fuel pump connector.
 - ii. for Double Tank Type:
Connect the 2 fuel pump connectors.
- j. for 130 L Tank:
Connect the fuel pump connector.

FUEL SYSTEM

- a. When disconnecting the high fuel pressure line, a large amount of gasoline will spill out. Follow these procedures.
 - i. Discharge the fuel system pressure (see above procedure).
 - ii. Put a container under the connecting part of the pressure line.
 - iii. Slowly loosen the connection.
 - iv. Disconnect the connection.
 - v. Plug the connection with a rubber plug.

b.

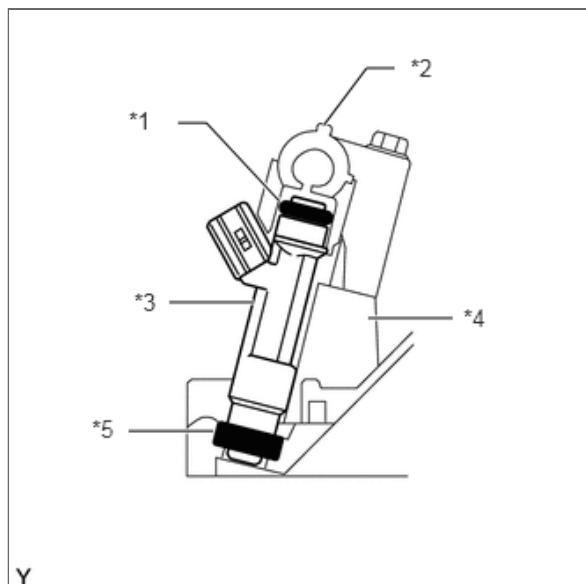
*1	O-Ring
*2	Fuel Delivery Pipe Sub-assembly
*a	CORRECT
*b	INCORRECT

Observe these precautions when removing and installing the fuel injector assemblies:

NOTICE:

- Never reuse the O-ring.
- When installing a new O-ring to the injector, do not damage it.
- Coat a new O-ring with spindle oil or gasoline before installing it. Do not use engine oil, gear oil or brake oil.

c.



*1	O-Ring
*2	Fuel Delivery Pipe Sub-assembly
*3	Fuel Injector Assembly
*4	Intake Manifold
*5	Fuel Vibration Insulator

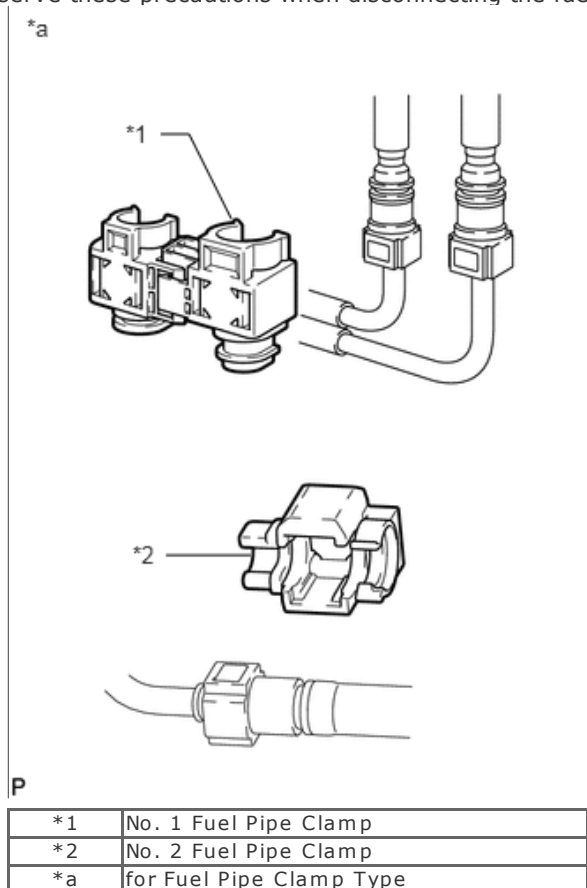
Install the fuel injector assembly to the fuel delivery pipe sub-assembly and intake manifold as shown in the illustration.

NOTICE:

Before installing the fuel injector assembly, apply spindle oil or gasoline to the place where the fuel delivery pipe sub-assembly contacts the O-ring of the fuel injector assembly.

d. Observe these precautions when disconnecting the fuel tube connector.

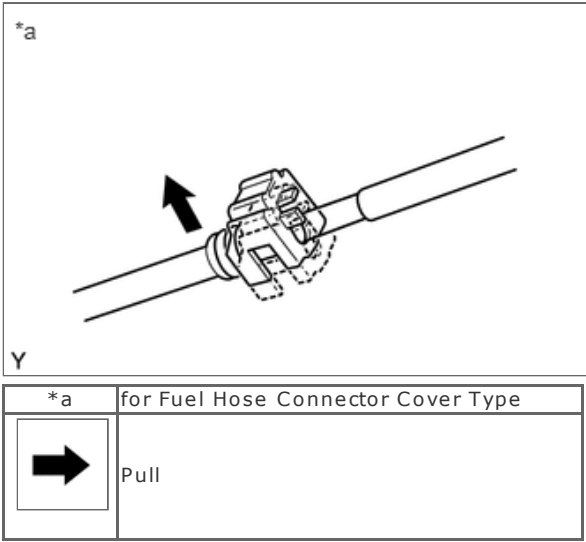
i.



*1	No. 1 Fuel Pipe Clamp
*2	No. 2 Fuel Pipe Clamp
*a	for Fuel Pipe Clamp Type

for Fuel Pipe Clamp Type:
Remove the fuel pipe clamp from the fuel tube connector.

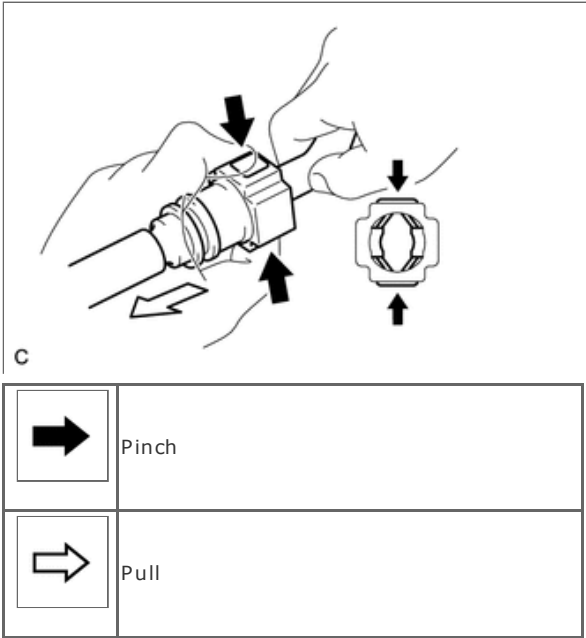
ii.



for Fuel Hose Connector Cover Type:
Detach the lock claw by lifting up the cover as shown in the illustration.

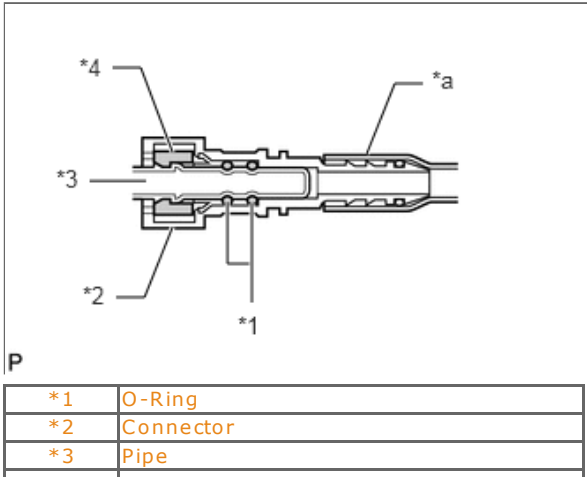
iii. Check for dirt or mud on the pipe and around the connector before disconnection. Clean if necessary.

iv.



Pinch the connector and disconnect the connector and pipe.
If the connector and the pipe are stuck together, pinch the connector, and then push and pull the pipe to disconnect the pipe and pull it out.

NOTICE:



*4	Retainer
*a	Nylon Tube

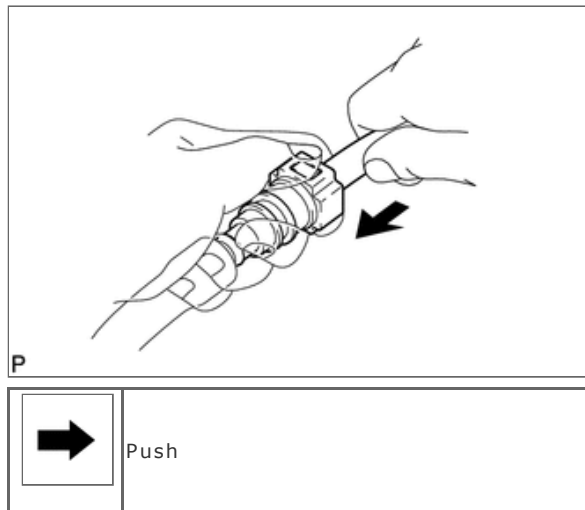
Check for foreign matter in the pipe and around the connector. Clean if necessary. Foreign matter may damage the O-ring or cause leaks in the seal between the pipe and connector.

- Do not use any tools to separate the pipe and connector.
- Do not forcefully bend or twist the nylon tube.
- Check for foreign matter on the pipe seal surface. Clean if necessary.
- Put the pipe and connector ends in plastic bags to prevent damage and foreign matter contamination.
- If the pipe and connector are stuck together, pinch the connector between your fingers and turn it carefully to disconnect it.

v. Check for dirt or mud on the seal surface of the disconnected pipe. Clean if necessary.

vi. To protect the disconnected pipe and connector from damage and contamination, cover them with a plastic bag.

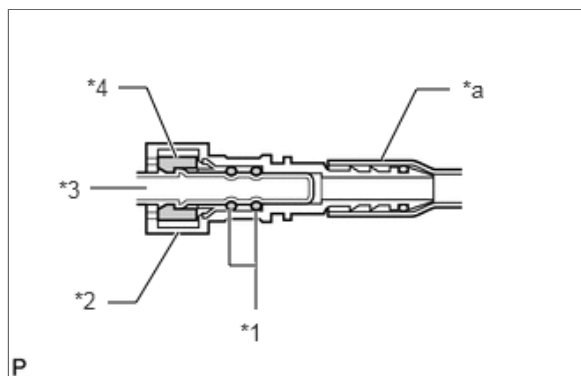
e.



Observe these precautions when connecting the fuel tube connector.

- i. Check that there is no damage or contamination in the connected part of the pipe.
- ii. Align the axis of the connector with the axis of the pipe. Push the pipe into the connector until the connector makes a "click" sound. If the connection is tight, apply a small amount of fresh spindle oil or gasoline on the tip of the pipe.

NOTICE:

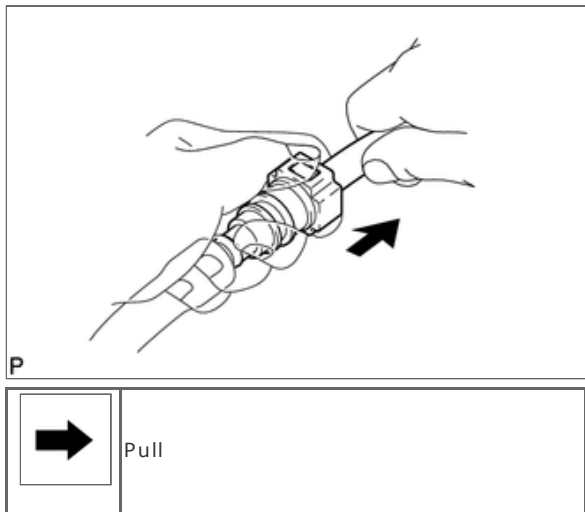


*1	O-Ring
*2	Connector
*3	Pipe
*4	Retainer
*a	Nylon Tube

Before installing the tube connectors to the pipes, check if there is any damage or foreign matter in the connectors.

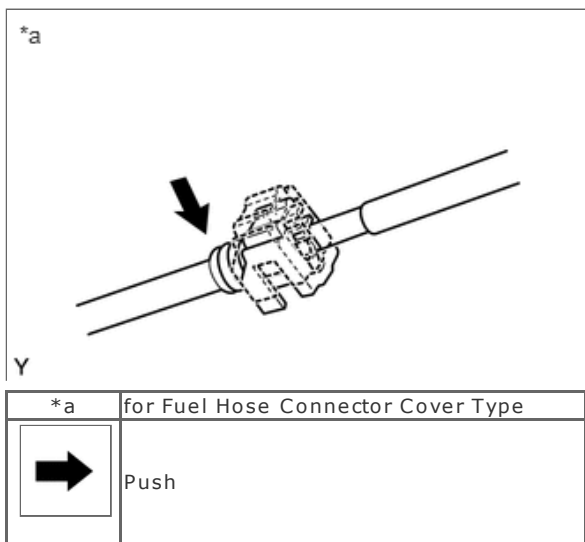
- After connecting the connectors and pipes, check if they are securely connected by trying to pull them apart.

iii.



After having finished the connection, try to pull apart the pipe and connector to confirm that they are securely connected.

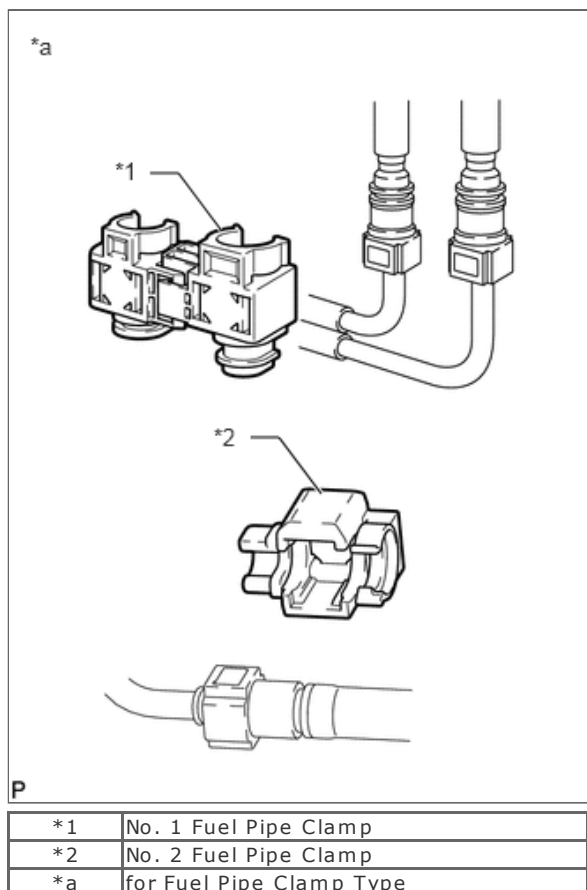
iv.



for Fuel Hose Connector Cover Type:

Attach the lock claw to the connector by pushing down on the cover as shown in the illustration.

v.



for Fuel Pipe Clamp Type:
Install the fuel pipe clamp to the fuel tube connector.

vi. Check that there is no fuel leakage.

CHECK FOR FUEL LEAK

- a. Check that there are no fuel leaks after performing maintenance anywhere on the fuel system.
Click here[Engine / Hybrid System>1GR-FE FUEL>FUEL SYSTEM>ON-VEHICLE INSPECTION](#)