

Service and Repair

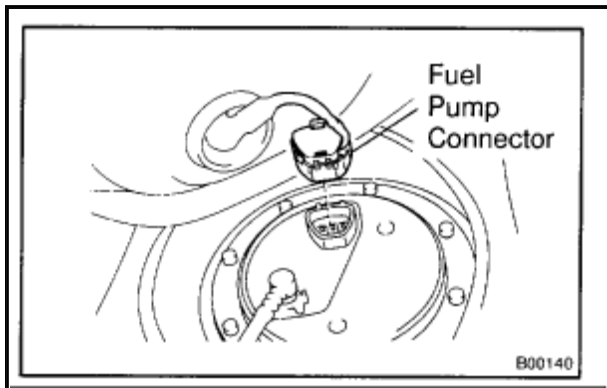
1. BEFORE WORKING ON FUEL SYSTEM, DISCONNECT NEGATIVE (-) TERMINAL CABLE FROM BATTERY

HINT: Any diagnostic trouble code retained by the computer will be erased when the negative (-) terminal cable is removed from the battery. Therefore, if necessary, read the diagnosis before removing the negative (-) terminal cable from the battery.

2. DO NOT SMOKE OR WORK NEAR AN OPEN FLAME WHEN WORKING ON FUEL SYSTEM
3. KEEP GASOLINE AWAY FROM RUBBER OR LEATHER PARTS
4. FUEL SYSTEM

A.

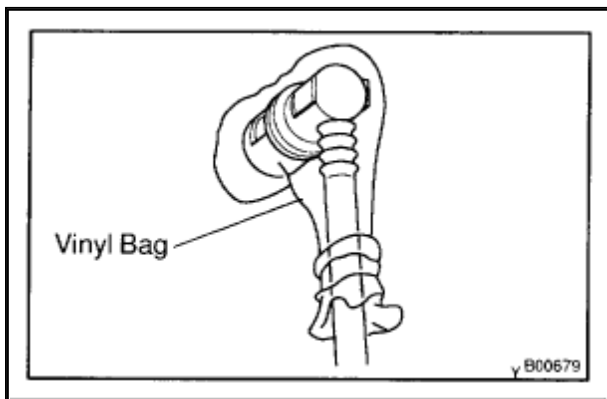
When disconnecting the high **fuel pressure** line, a large amount of gasoline will spill out, so observe these procedures.



ZOOM

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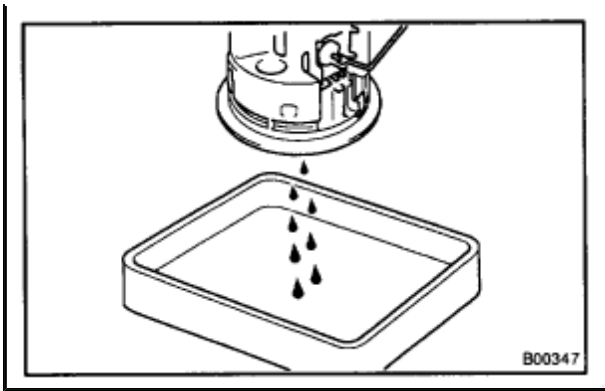
1. Disconnect the fuel pump connector.
2. Start the engine. After the engine has stopped on its own, turn the ignition switch to LOCK.
3. Disconnect the fuel tube.
4. Drain the fuel remained inside the fuel tube.



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5. Prevent the disconnected fuel tube from damaging and mixing foreign objects by covering them with a vinyl bag.

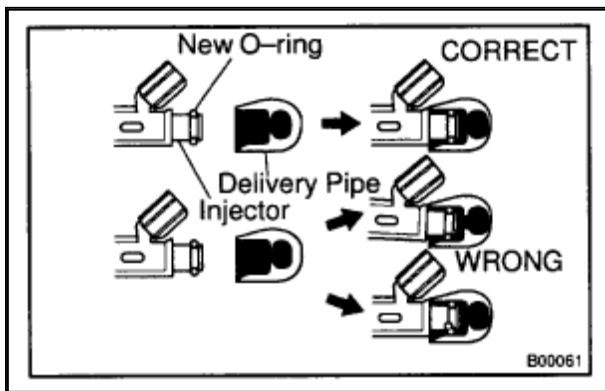


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6. Put a container under the connection.

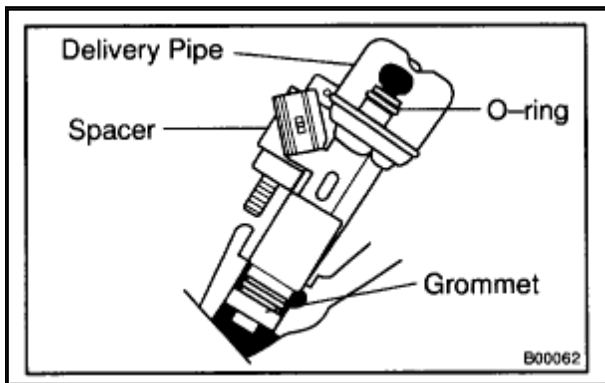
B. Observe these precautions when removing and installing the injector.



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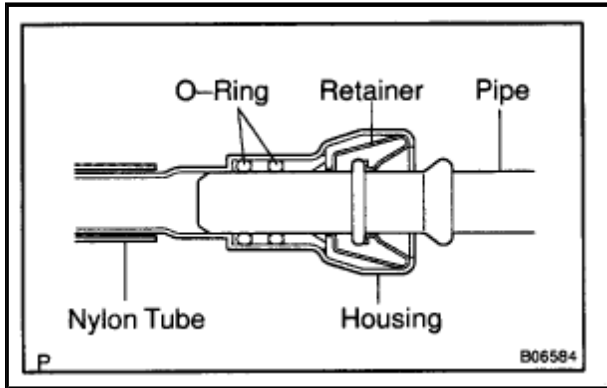
1. Never reuse the O-ring.
2. When placing a new O-ring on the injector, take care not to damage it in any way.
3. Coat a new O-Ring with spindle oil or gasoline before installing never use engine, gear or brake oil.



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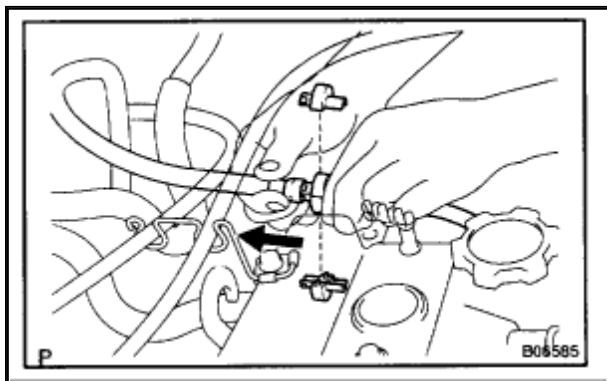
- C. Install the injector to the delivery pipe and cylinder head, as shown in the illustration. Before installing the injector, must apply spindle oil or gasoline on the place where a delivery pipe or a cylinder head touches on O-ring of the injector.
- D. Observe these precautions when disconnecting the fuel delivery pipe. The structure of the metallic connector is shown as left.



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1. Remove the fuel pipe clamp.



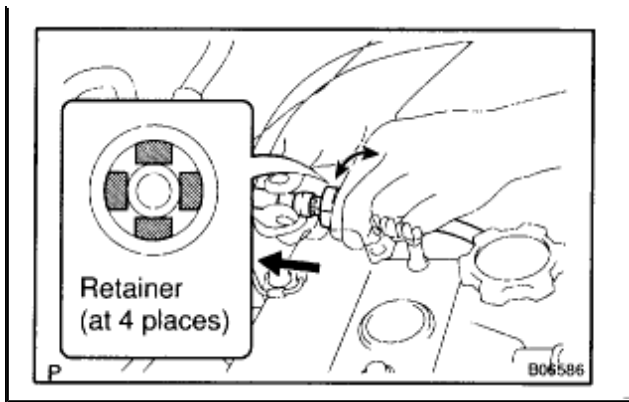
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2. Get the metallic connector of the fuel tube assembly, pull it out towards the rear and hold it as it is.
3. Assemble SST to the connection as shown.

SST 09628-21010

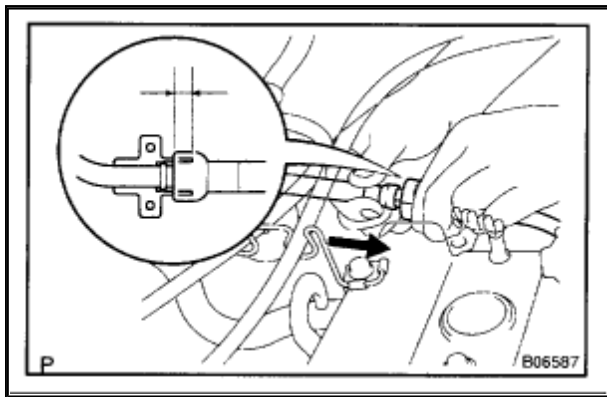




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4. Turn SST, align the retainers inside the connector with SST chamfered parts and insert SST into the connector.

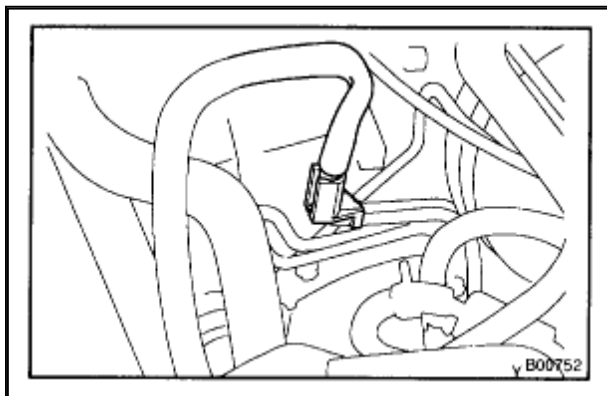


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5. Hold SST as it at step 4, push the connector towards SST to put the retainers on SST chamfered parts.
6. Slide SST and the connector together towards the fuel tube assembly.

E. Observe these precautions when disconnecting the fuel tube connector (quick type).

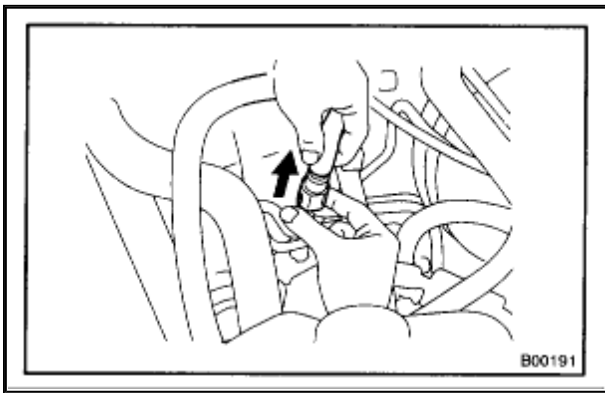


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1. Remove the fuel pipe clamp.
2. Check if there is any dirt like mud on the pipe and around the connector before disconnecting them and clean the dirt

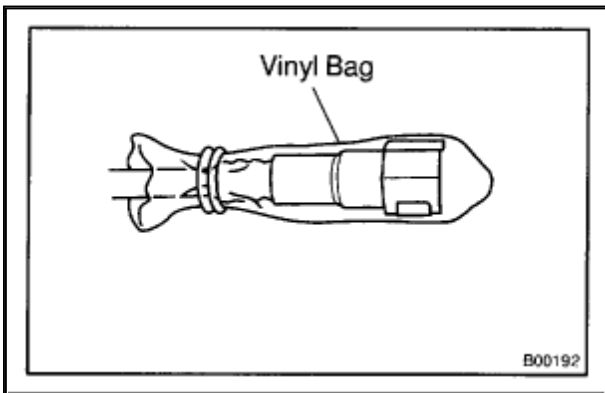
away.



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3. Be sure to disconnect with hands.
4. When the connector and the pipe are stuck, pinch the retainer between the hands, push and pull the connector to free to disconnect and pull it out. Do not use any tool at this time.
5. Inspect if there is any dirt or the likes on the seal surface of the disconnected pipe and clean it away.

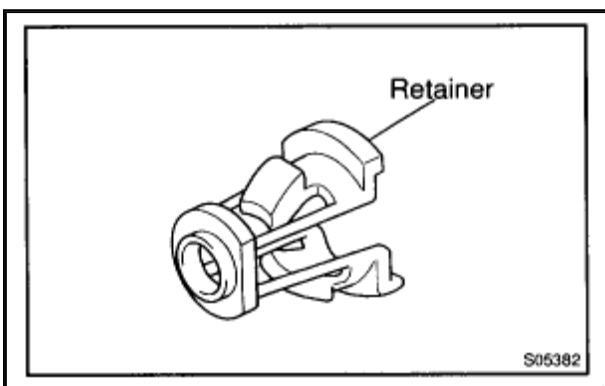


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6. Prevent the disconnected pipe and connector from damaging and mixing foreign objects by covering them with a vinyl bag.

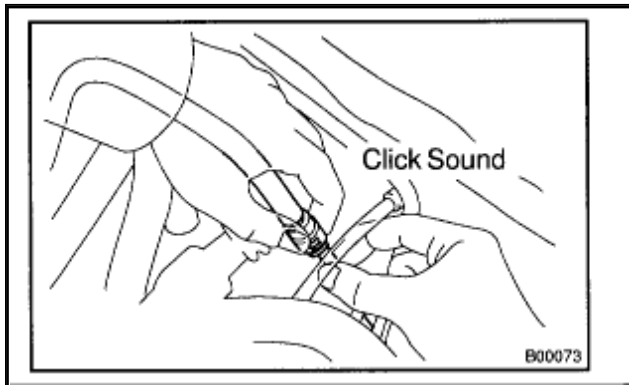
F. Observe these precautions when connecting the fuel tube connector (quick type).



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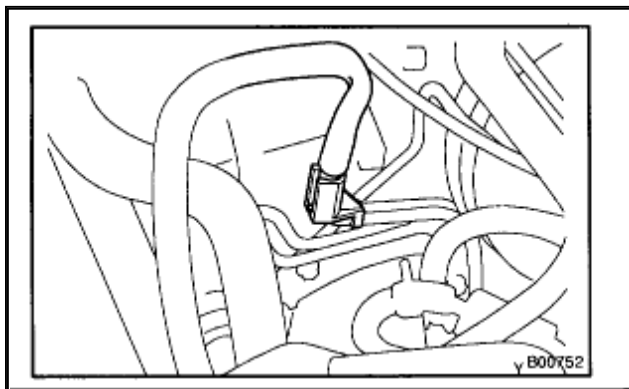
1. Do not reuse the retainer removed from the pipe.
2. Must use hands without using tools when to remove the retainer from the pipe.
3. Check if there is any damage or foreign objects on the connected part of the pipe.



ZOOM

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4. Match the axis of the connector with axis of the pipe, and push in the connector until retainer makes a "click" sound. In case that the connections is tight, apply little amount of new engine oil on the tip of the pipe.
5. After having finished the connection, check if the pipe and the connector are securely connected by pulling them.
6. Install the fuel pipe clamp.
7. Check if there is any fuel leakage.



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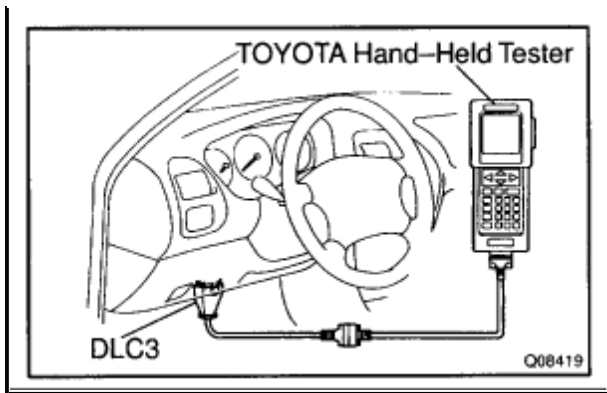
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G. Observer these precautions when handling nylon tube.

1. Pay attention not to turn the connected part of the nylon tube and the quick connector with force when connecting them.
2. Pay attention not to kink the nylon tube.
3. Do not remove the nylon tube.
4. Must not close the piping with the nylon tube by bending it.

H. Check that there are no fuel leaks after doing [maintenance](#) anywhere on the fuel system.





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1. Connect the TOYOTA hand-held tester to the DLC3.
2. Turn the ignition switch ON and push TOYOTA hand-held tester main switch **ON**.
3. Select the active test mode on the TOYOTA hand-held tester.
4. Please refer to the TOYOTA hand-held tester operator's manual for further details.
5. If you have no TOYOTA hand-held tester, connect the positive (+) and negative (-) leads from the battery to the fuel pump connector.
6. Check that there are no leaks from any part of the fuel system.
7. Turn the ignition switch to LOCK.
8. Disconnect the TOYOTA hand-held tester from the DLC3.