

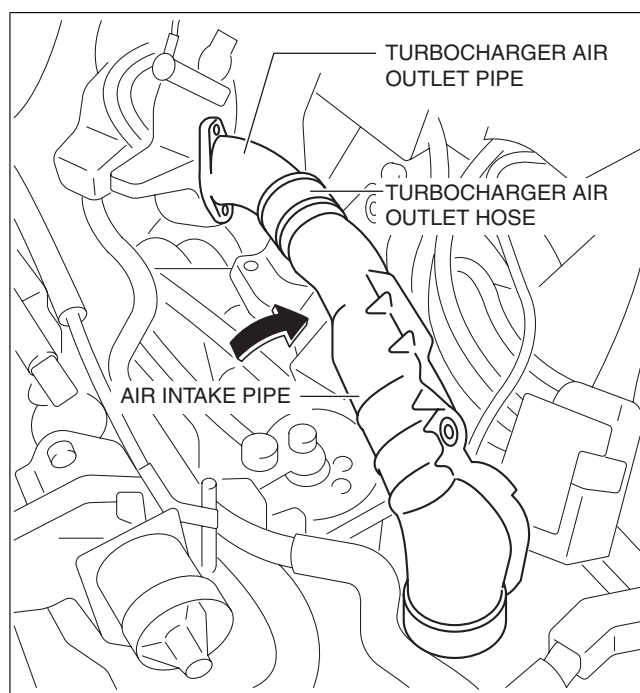
EGR COOLER REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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Note

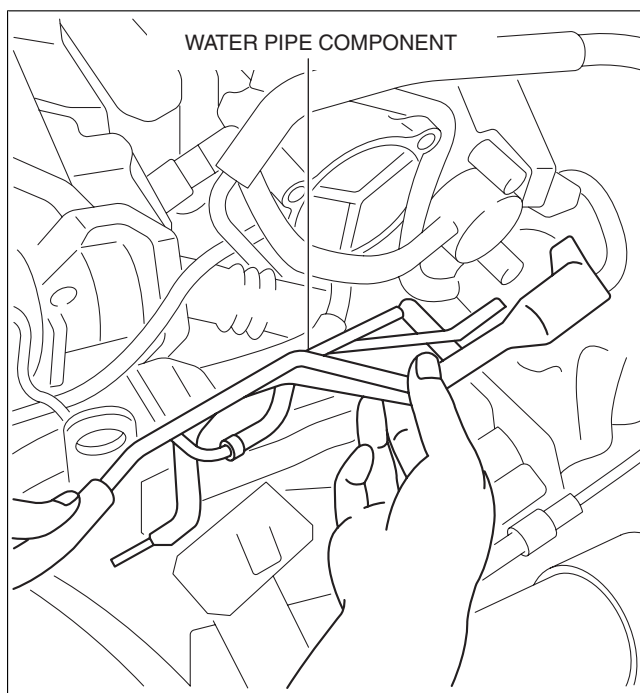
- If the EGR cooler bypass valve is replaced, perform the EGR initialization procedure.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
3. Remove the air cleaner. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
4. Remove the battery and the battery tray. (See BATTERY REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
5. Remove the following parts as a single unit: (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
 - Air hose
 - Air inlet pipe
 - Breather hose
 - Turbocharger air inlet hose
 - Blow-by heater
6. Set the turbocharger air outlet pipe, turbocharger air outlet hose, and air intake pipe aside as a single unit as shown in the figure. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
7. Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)



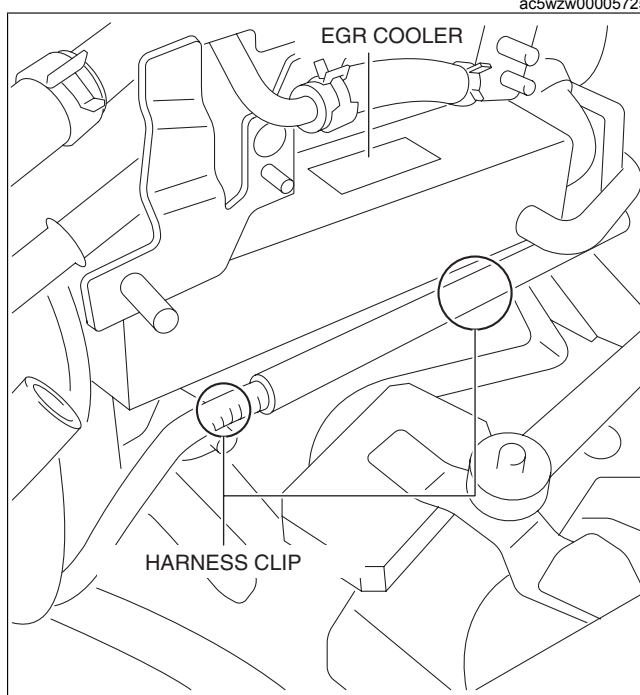
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8. Set the water pipe component aside as shown in the figure.



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9. Detach the wiring harness clips shown in the figure.
10. Remove the EGR pipe (EGR valve side). (See EGR PIPE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)



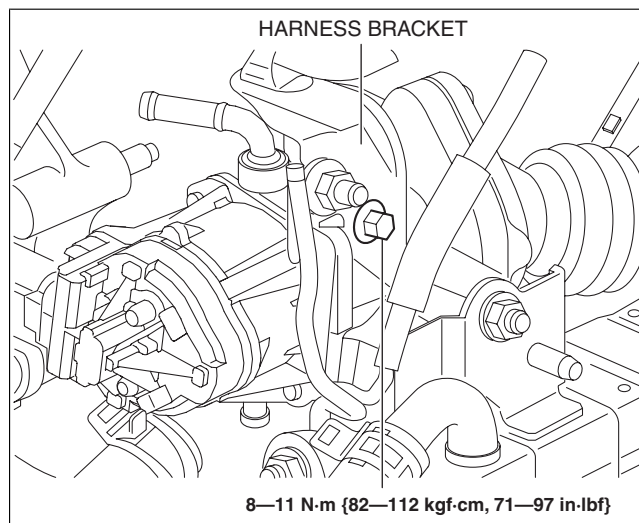
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11. Remove in the order shown in the figure.

Vacuum Pipe Installation Note

Note

- When installing the vacuum pipe, verify the tightening torque for the bolt shown in the figure because the wiring harness bracket bolt may have loosened.

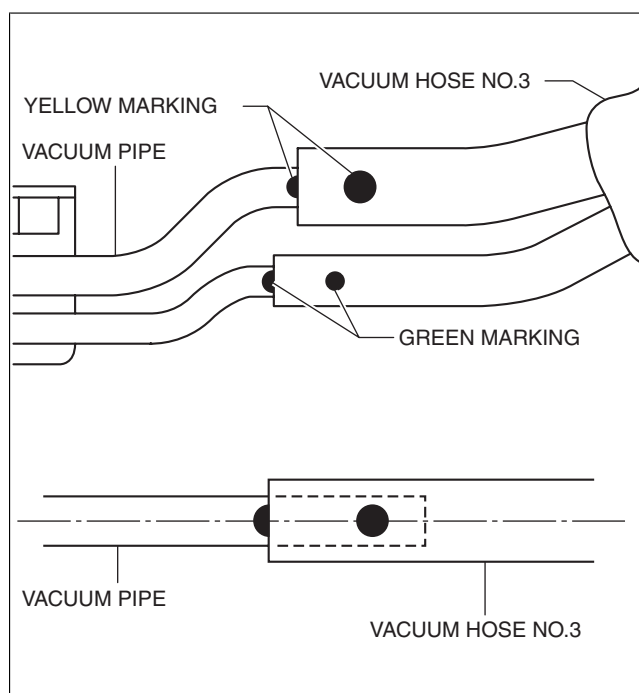


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Vacuum Hose No.3 Installation Note

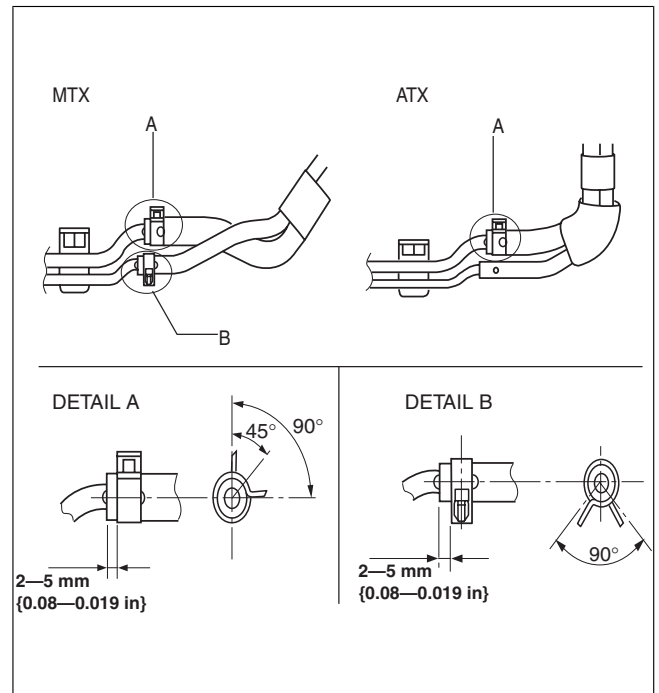
- Install vacuum hose No.3 as shown in the figure.

Vacuum pipe side

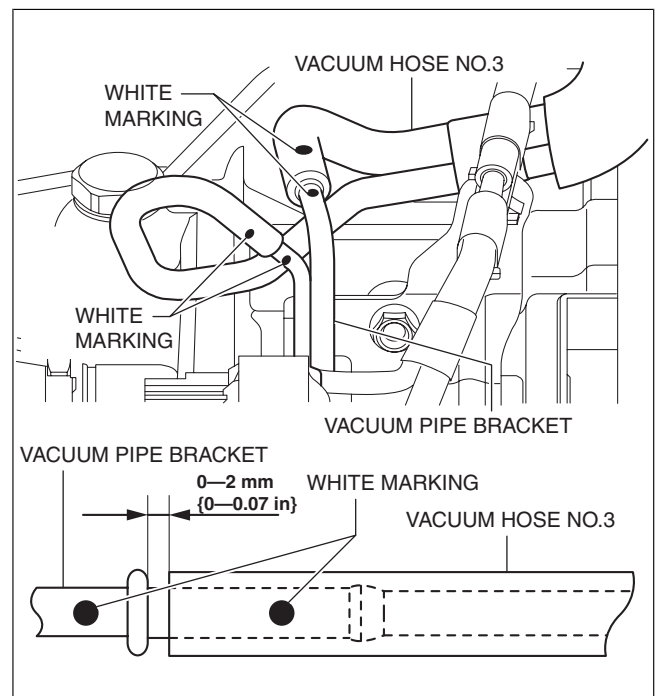


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Vacuum pipe side (If equipped)

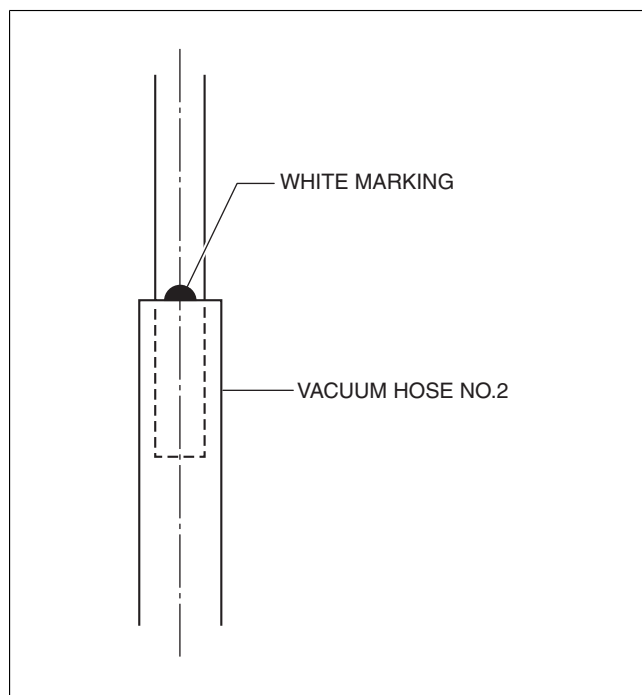


Vacuum pipe bracket side



Vacuum Hose No.2 Installation Note

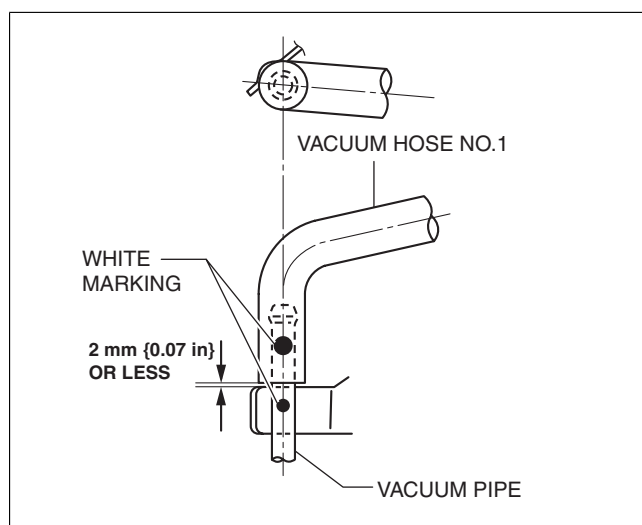
1. Install vacuum hose No.2 as shown in the figure.



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Vacuum Hose No.1 Installation Note

1. Install vacuum hose No.1 as shown in the figure.



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