

EGR VALVE REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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Note

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

Operation After Replacing EGR Valve

- If the EGR valve is replaced, perform the following procedure.

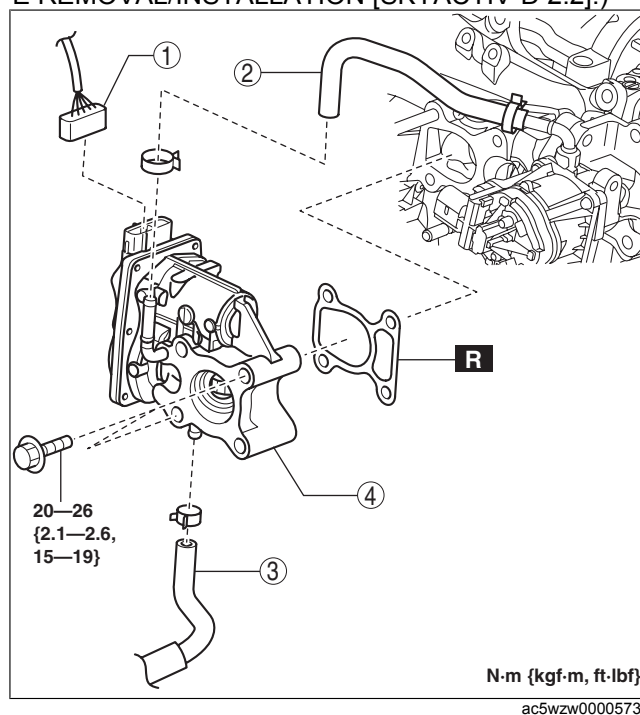
STEP	ACTION	PAGE/CONDITION
1	Perform EGR valve initialization procedure.	(See EGR VALVE INITIALIZATION [SKYACTIV-D 2.2].)
2	Switch the ignition off.	—
3	Wait for 20 s.	—
4	Switch the ignition ON (engine off).	—
5	Perform KOEO self-test procedure.	(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)
6	Start the engine.	—
7	Verify that the check engine light does not illuminate.	—
8	Perform KOER self-test procedure.	(See KOEO/KOER SELF TEST [SKYACTIV-D 2.2].)
9	Switch the ignition off.	—

EGR Valve Removal/Installation

- Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
- Remove the engine cover. (See ENGINE COVER REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- Remove the EGR pipe (EGR valve side). (See EGR PIPE REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- Remove in the order shown in the figure.

1	EGR valve connector
2	Water hose No.1 (See Water hose No.1 removal note.) (See Water hose No.1 installation note.)
3	Water hose No.2 (See Water hose No.2 removal note.) (See Water hose No.2 installation note.)
4	EGR valve (See EGR valve removal note.) (See Operation After Replacing EGR Valve.)

- Install in the reverse order of removal.



Water hose No.1 removal note

- Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
- Remove water hose No.1.

Water hose No.2 removal note

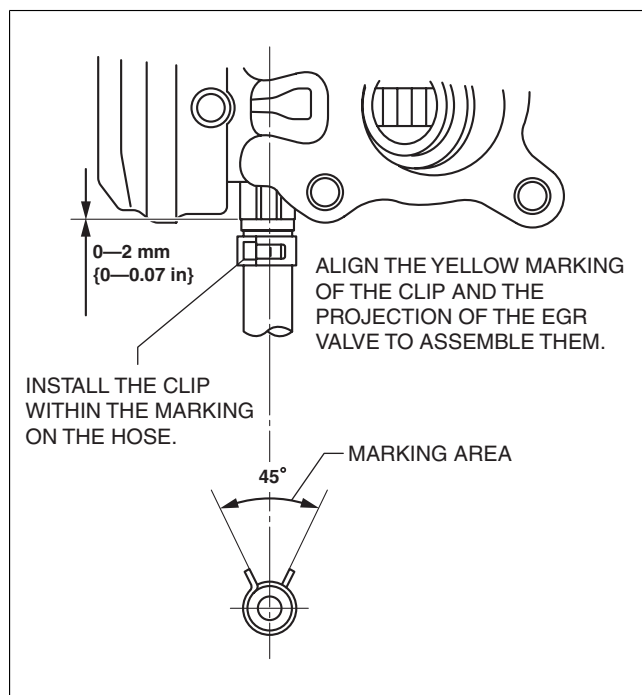
- Remove the coolant reserve tank. (See COOLANT RESERVE TANK REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
- Remove water hose No.2.

EGR valve removal note

- Disconnect the EGR cooler bypass valve connector.
- Remove the EGR valve.

Water hose No.2 installation note

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



Water hose No.1 installation note

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

