

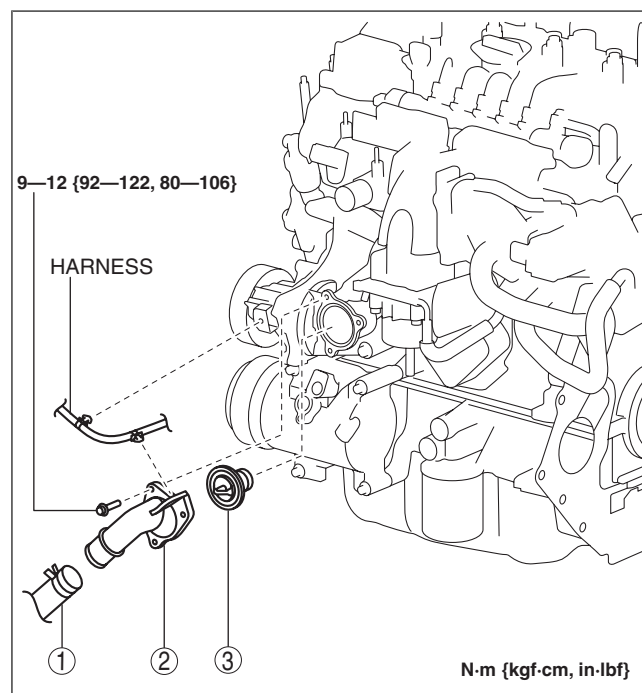
THERMOSTAT REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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Warning

- **Never remove the cooling system cap or loosen the radiator drain plug while the engine is running, or when the engine and radiator are hot. Scalding engine coolant and steam may shoot out and cause serious injury. It may also damage the engine and cooling system.**
- **Turn off the engine and wait until it is cool. Even then, be very careful when removing the cap. Wrap a thick cloth around it and slowly turn it counterclockwise to the first stop. Step back while the pressure escapes.**
- **When you are sure all the pressure is gone, press down on the cap using the cloth, turn it, and remove it.**

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 front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
4. Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
5. Disconnect generator terminal B and set the wiring harness aside. (See GENERATOR REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6. Remove in the order indicated in the table.
7. Install in the reverse order of removal.
8. Refill the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
9. Inspect for the engine coolant leakage. (See ENGINE COOLANT LEAKAGE INSPECTION [SKYACTIV-D 2.2].)



1	Lower radiator hose (Thermostat cover side)
2	Thermostat cover (See Thermostat Cover Removal Note.) (See Thermostat Cover Installation Note.)

3	Thermostat (See Thermostat Installation Note.)
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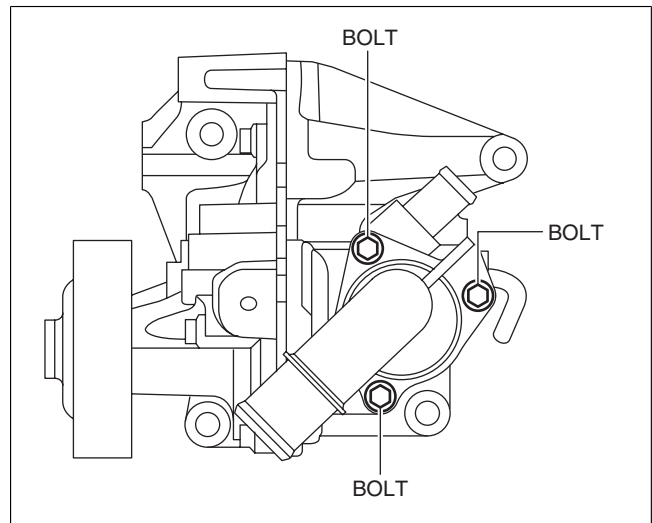
Thermostat Cover Removal Note

1. Slightly loosen the three thermostat bolts shown in the figure and collect the draining engine coolant into a container.

Caution

- Do not remove the thermostat cover completely at this time because a small amount of the engine coolant remaining in the engine will drain out.

2. After the engine coolant stops draining, remove the thermostat cover.



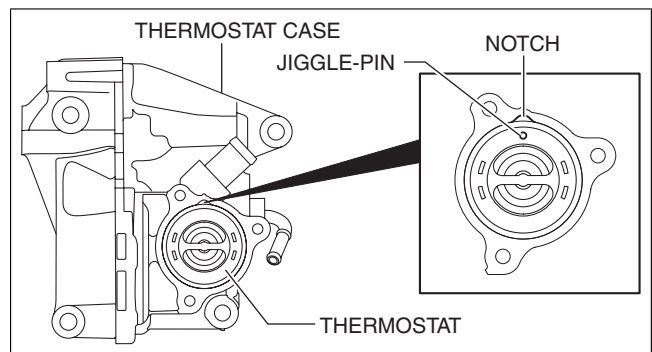
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Thermostat Installation Note

Caution

- Do not apply oil (such as engine oil, ATF) to the rubber seal part of the thermostat. Otherwise, the O-ring could swell causing a seal malfunction.

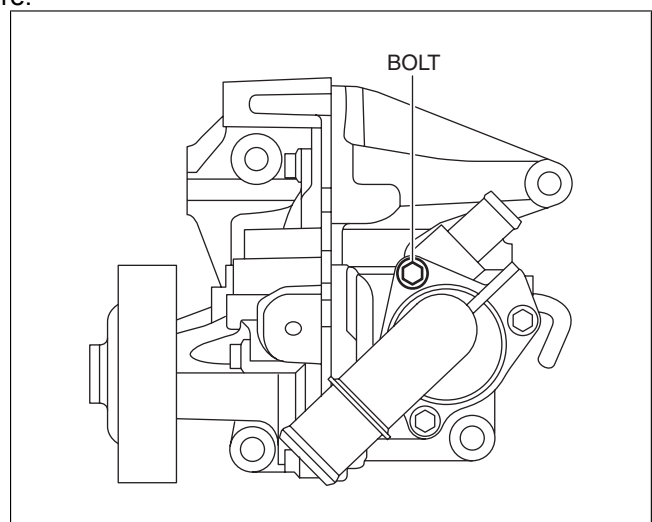
1. Install the thermostat with the jiggle pin aligned with the notch of the thermostat case.



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Thermostat Cover Installation Note

1. Install the thermostat cover using the following procedure:
 - (1) Temporarily tighten the bolts shown in the figure.



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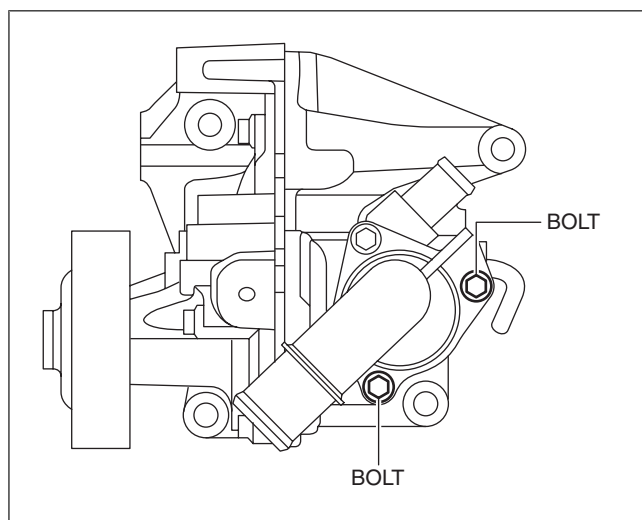
- (2) Tighten the two bolts shown in the figure to the specified torque.

Note

- The tightening order for the two bolts is optional.

Tightening torque

9—12 N·m {92—122 kgf·cm, 80—106 in·lbf}

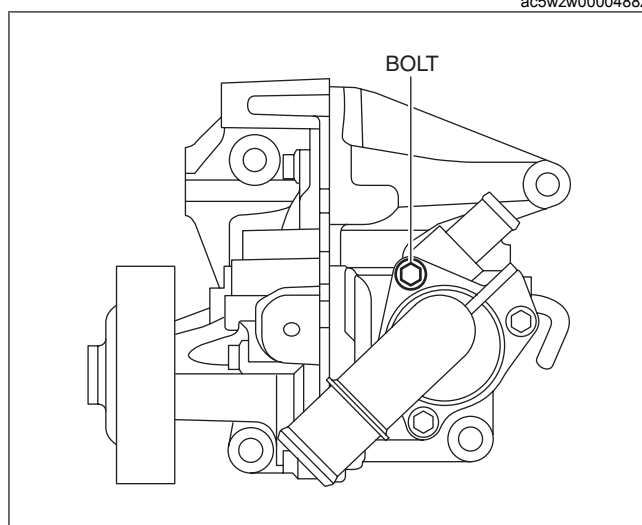


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- (3) Finally, tighten the bolt shown in the figure to the specified torque.

Tightening torque

9—12 N·m {92—122 kgf·cm, 80—106 in·lbf}



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