

OIL COOLER REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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Warning

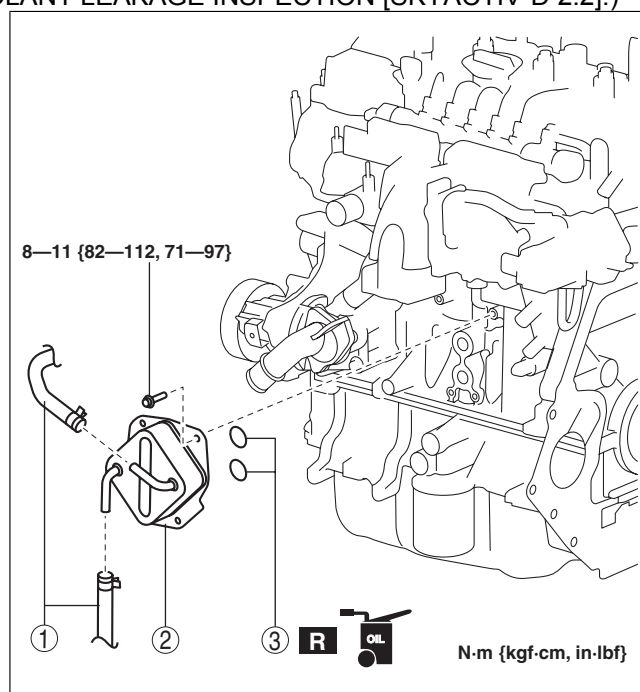
- Hot engines and engine oil can cause severe burns. Turn off the engine and wait until it and the engine oil have cooled.
- A vehicle that is lifted but not securely supported on safety stands is dangerous. It can slip or fall, causing death or serious injury. Never work around or under a lifted vehicle if it is not securely supported on safety stands.
- Continuous exposure to USED engine oil has caused skin cancer in laboratory mice. Protect your skin by washing with soap and water immediately after working with engine oil.

Caution

- If engine oil is spilled on the exhaust system, wipe it off completely. If you fail to wipe the spilled engine oil, it will produce fumes because of the heat.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-D 2.2].)
2. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Drain the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
4. Remove the coolant reserve tank. (See COOLANT RESERVE TANK REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
5. Remove the intake shutter valve component. (See INTAKE-AIR SYSTEM REMOVAL/INSTALLATION [SKYACTIV-D 2.2].)
6. Remove in the order indicated in the table.
7. Use a clean rag to wipe off the mounting surface on the cylinder block and the oil cooler.
8. Install in the reverse order of the removal.
9. Refill the engine coolant. (See ENGINE COOLANT REPLACEMENT [SKYACTIV-D 2.2].)
10. Start the engine and confirm that there is no oil leakage.
 - If there is oil leakage, repair or replace the applicable part.
11. Inspect the oil level. (See ENGINE OIL LEVEL INSPECTION [SKYACTIV-D 2.2].)
12. Inspect for engine coolant leakage. (See ENGINE COOLANT LEAKAGE INSPECTION [SKYACTIV-D 2.2].)

1	Water hose
2	Oil cooler (See Oil Cooler Removal Note.) (See Oil Cooler Installation Note.)
3	O-ring



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Oil Cooler Removal Note

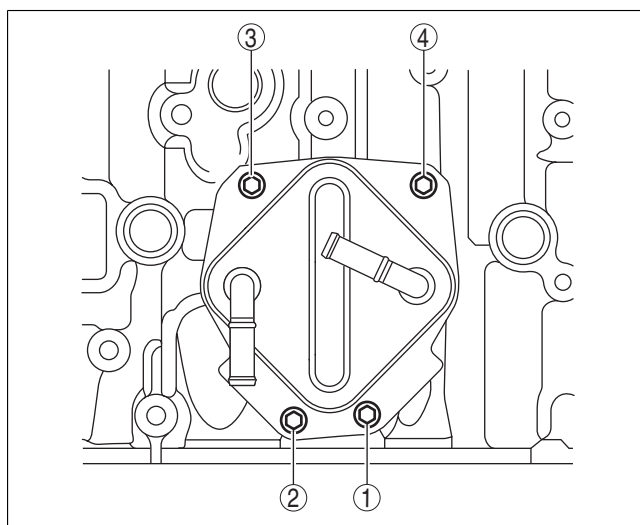
1. Cover the area around the oil cooler with a rag because a small amount of engine oil will leak from the oil cooler installation area.

Oil Cooler Installation Note

1. Tighten the bolts in the order shown in the figure.

Tightening torque

8—11 N·m {82—112 kgf·cm, 71—97 in·lbf}



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