

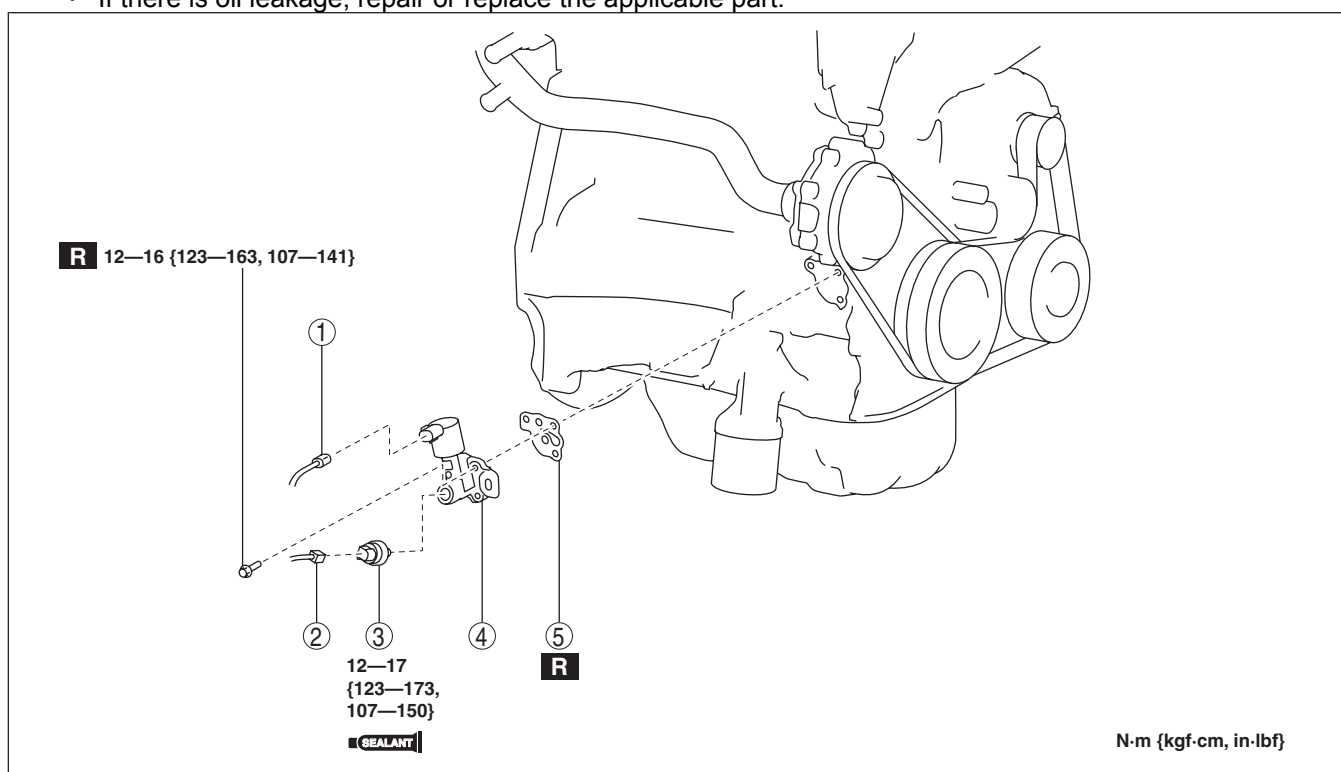
## ENGINE OIL SOLENOID VALVE REMOVAL/INSTALLATION [SKYACTIV-G 2.0]

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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.

1. Disconnect the negative battery cable. (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0].) (See NEGATIVE BATTERY CABLE DISCONNECTION/CONNECTION [SKYACTIV-G 2.0 (WITHOUT i-stop)].)
2. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
3. Remove the splash shield (RH). (See SPLASH SHIELD REMOVAL/INSTALLATION.)
4. Remove in the order indicated in the table.
5. Install in the reverse order of removal.
6. Start the engine and confirm that there is no oil leakage.
  - If there is oil leakage, repair or replace the applicable part.



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1	Engine oil solenoid valve connector
2	Oil pressure switch connector
3	Oil pressure switch (See Oil Pressure Switch Installation Note.)
4	Engine oil solenoid valve (See Engine Oil Solenoid Valve Removal Note.) (See Engine Oil Solenoid Valve Installation Note.)

5	Gasket
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### Engine Oil Solenoid Valve Removal Note

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

### Caution

- Do not let any leaked engine oil to contact the adjacent water pump gasket and O-ring of the water inlet pipe. Otherwise, the gasket could swell causing a seal malfunction.

### Engine Oil Solenoid Valve Installation Note

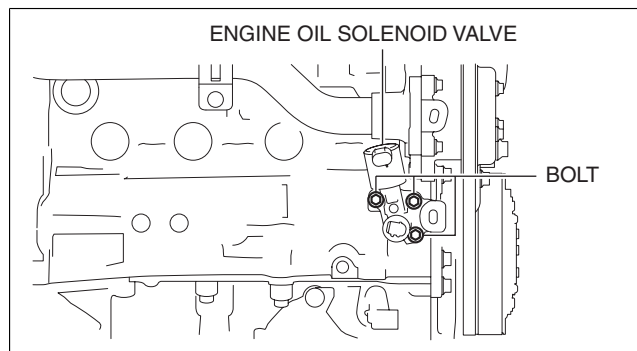
1. After tightening the three bolts shown in the figure, tighten the first tightened bolt to the specified tightening torque again.

#### Note

- The tightening order for the three bolts is optional.

#### Tightening torque

12—16 N·m {123—163 kgf·cm, 107—141 in·lbf}



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### Oil Pressure Switch Installation Note

#### Caution

- Be sure there is no sealant between 1.7—2.7 mm {0.07—0.10 in} from the end of the oil pressure switch to prevent a possible operation malfunction.

1. Apply silicone sealant to the oil pressure switch threads as shown in the figure.

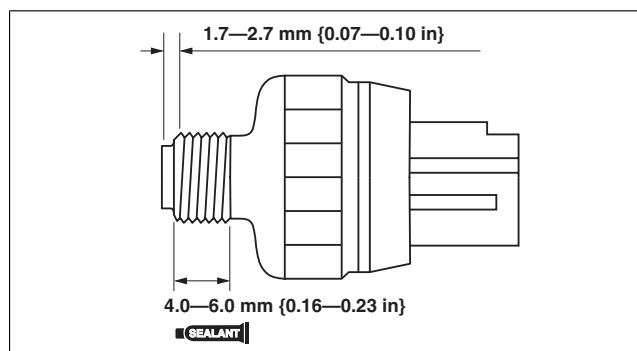
#### Caution

- Install the oil pressure switch before the applied sealant starts to harden.

2. Install the oil pressure switch.

#### Tightening torque

12—17 N·m {123—173 kgf·cm, 107—150 in·lbf}



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