

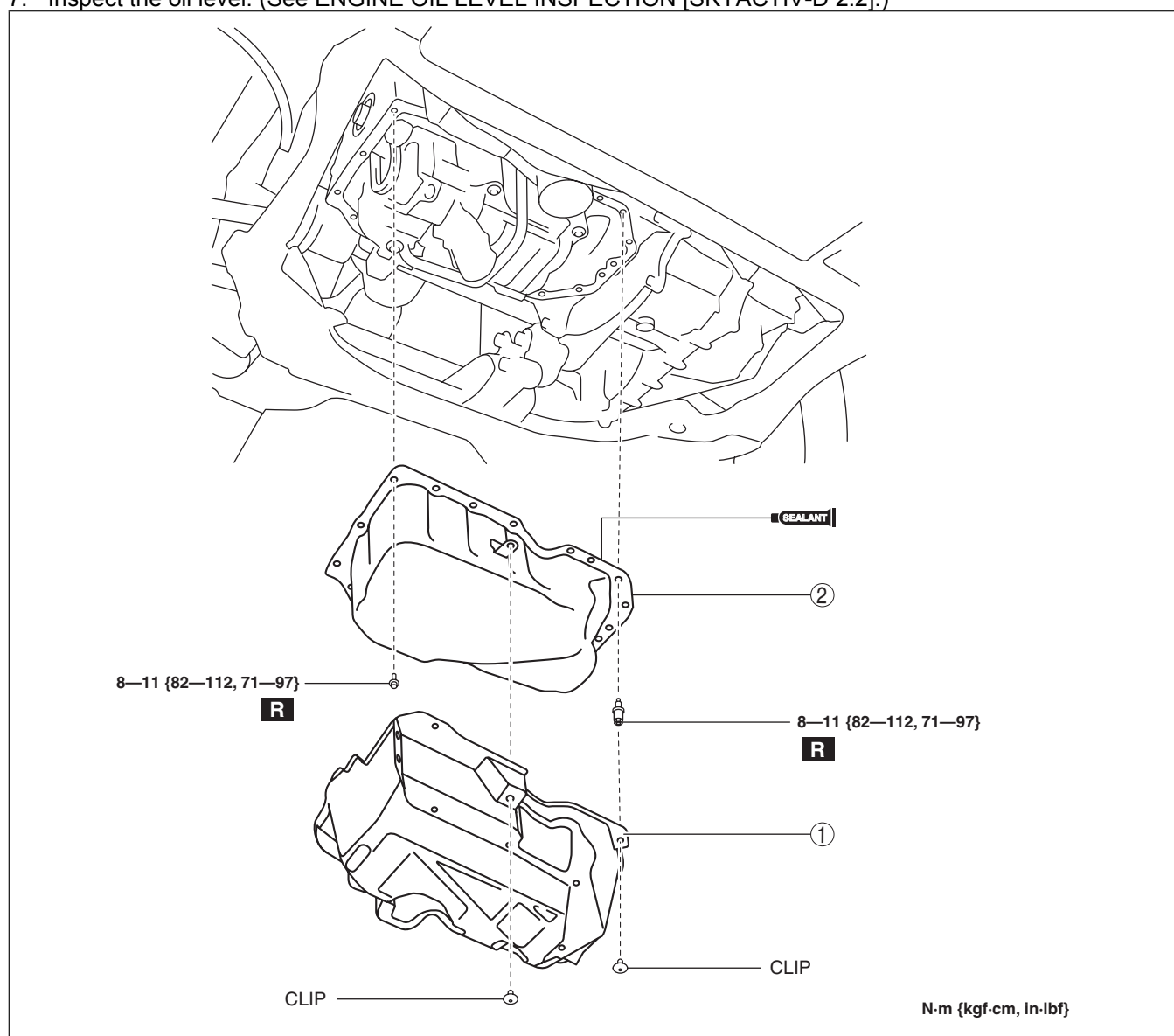
OIL PAN REMOVAL/INSTALLATION [SKYACTIV-D 2.2]

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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.

1. Remove the front under cover No.2. (See FRONT UNDER COVER No.2 REMOVAL/INSTALLATION.)
2. Drain the engine oil. (See ENGINE OIL REPLACEMENT [SKYACTIV-D 2.2].)
3. Remove in the order indicated in the table.
4. Install in the reverse order of removal.
5. Refill with the specified type and amount of the engine oil. (See ENGINE OIL REPLACEMENT [SKYACTIV-D 2.2].)
6. Start the engine and confirm that there is no oil leakage.
 - If there is oil leakage, repair or replace the applicable part.
7. Inspect the oil level. (See ENGINE OIL LEVEL INSPECTION [SKYACTIV-D 2.2].)



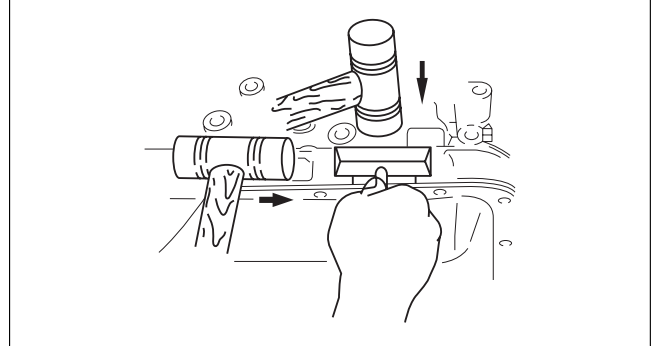
1	Seal plate (See Seal Plate Installation Note.)
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- | | |
|---|--|
| 2 | Oil pan
(See Oil Pan Removal Note.)
(See Oil Pan Installation Note.) |
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Oil Pan Removal Note

1. Remove the oil pan using a separator tool.



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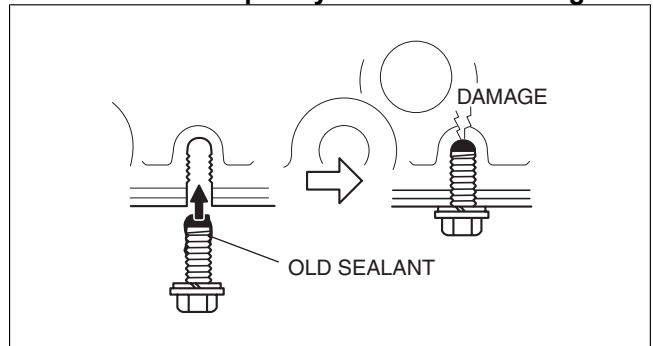
Oil Pan Installation Note

1. Completely clean and remove any oil, dirt, sealant or other foreign matter that may be adhering to the cylinder block and oil pan.

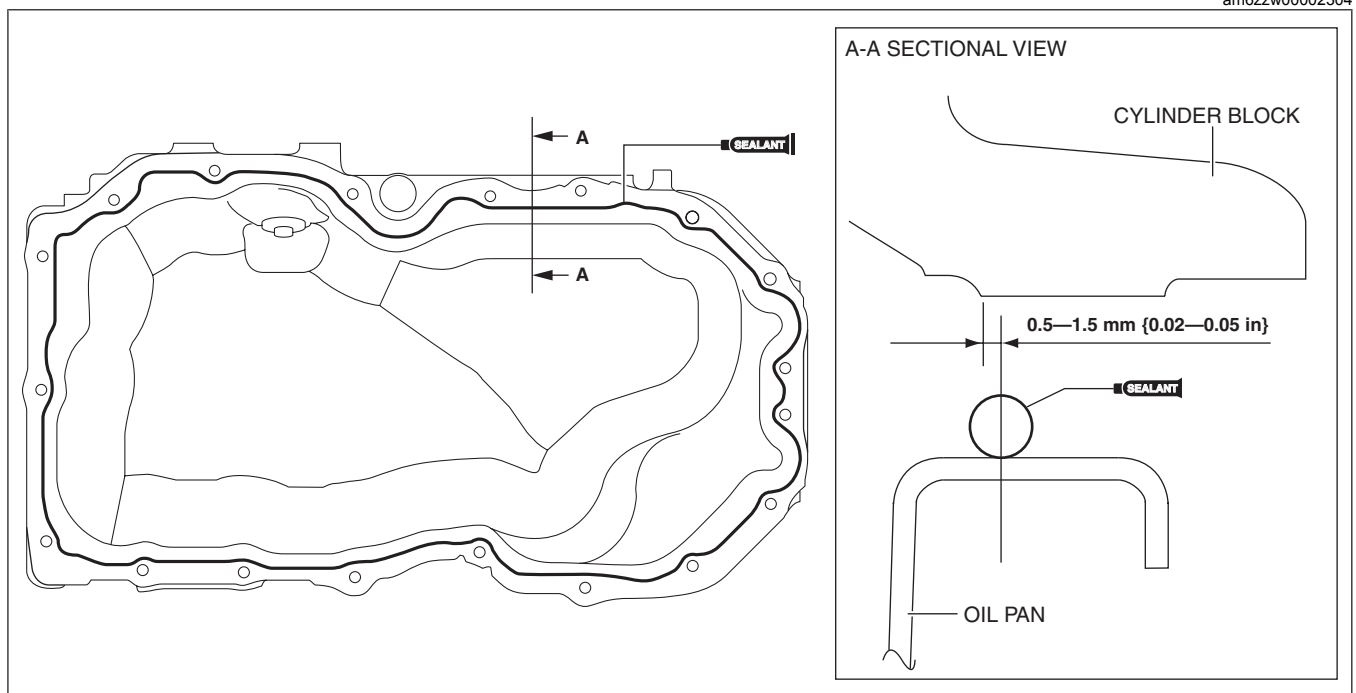
Caution

- Apply the silicon sealant in a single, unbroken line around the whole perimeter.
- To prevent silicone sealant from hardening, adhere the oil pan to the cylinder block within 10 min after silicone sealant is applied. Tighten the installation bolts completely soon after adhering.
- Using bolts with the old seal adhering could cause cracks in the cylinder block.

2. Apply silicone sealant to the oil pan along the inside of the bolt holes as shown in the figure.



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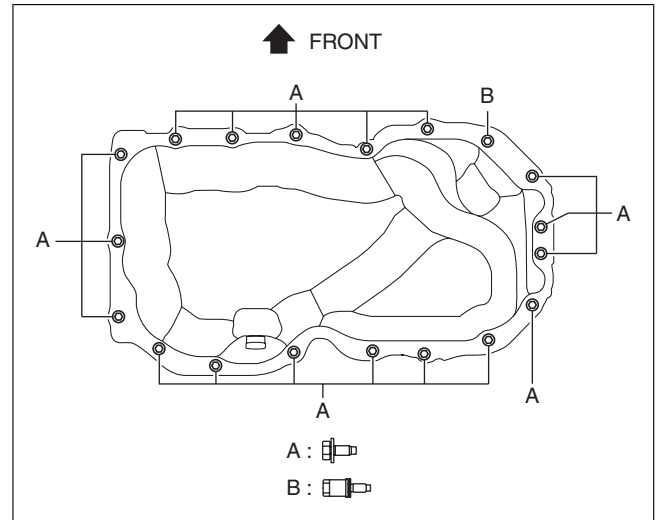
3.0—7.0 mm {0.12—0.27 in}

3. Install the oil pan to the cylinder block.

Caution

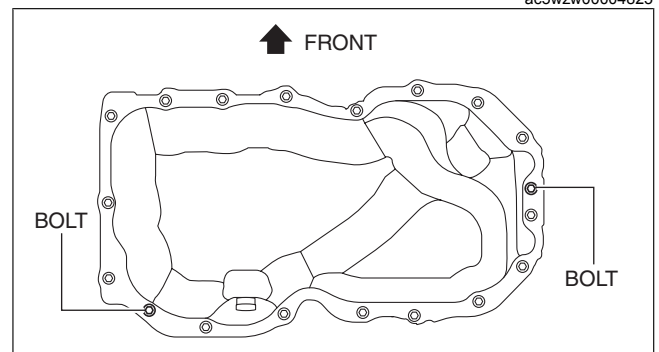
- There are two types of oil pan installation bolts of different lengths and shapes. Install each bolt to the specified position according to the following procedure. In addition, use new bolts because the oil pan installation bolts cannot be reused.

4. Install the oil pan using the following procedure:
 - (1) Install the oil pan installation bolts as shown in the figure.



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- (2) Temporarily tighten the two bolts shown in the figure.

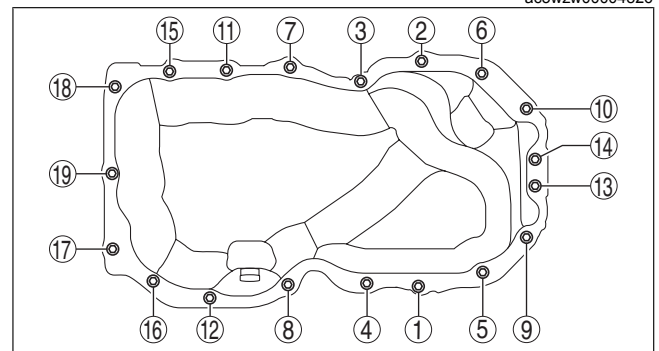


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- (3) Tighten the bolts in the order shown in the figure.

Tightening torque

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

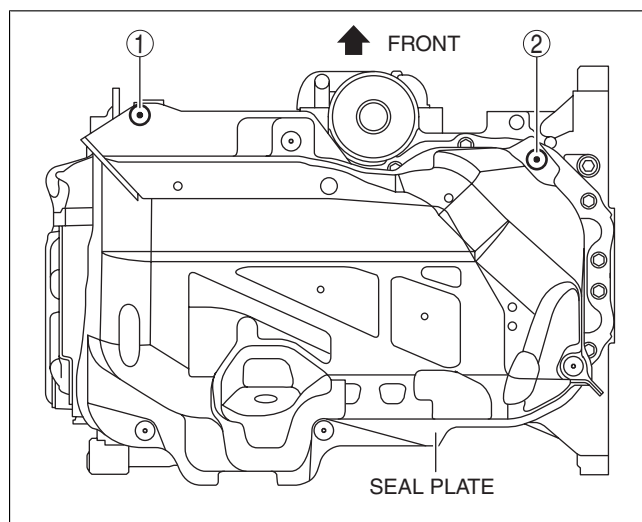


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Seal Plate Installation Note

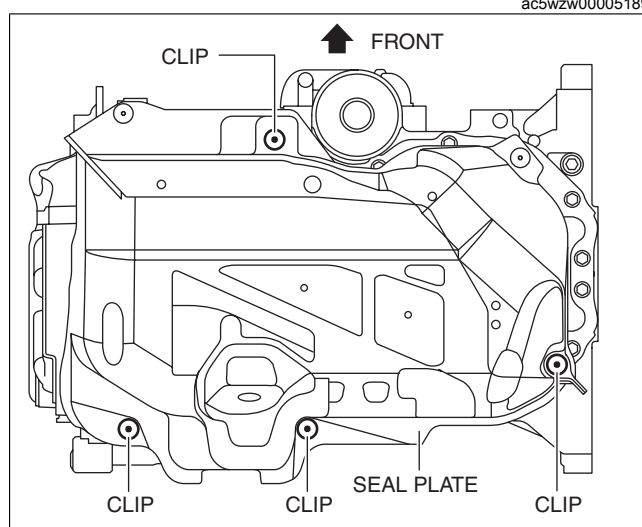
1. Install the seal plate using the following procedure:

- (1) Install the seal plate installation clips in the order shown in the figure.



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- (2) Install the seal plate installation clips as shown in the figure.



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