

## ENGINE OIL REPLACEMENT [SKYACTIV-D 2.2]

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### Operation After Replacing Engine Oil

- After replacing the engine oil, perform the following procedure.

STEP	ACTION	PAGE/CONDITION
1	Perform engine oil data reset procedure.	(See ENGINE OIL DATA RESET [SKYACTIV-D 2.2].)
2	Switch the ignition off.	—
3	Wait for 20 s.	—
4	Switch the ignition ON (engine off).	—
5	Clear the DTCs.  <b>Note</b> • If the M-MDS cannot be used, disconnect the negative battery cable and wait for 30 s.	(See OBD READ/CLEAR DIAGNOSTIC TEST RESULTS [SKYACTIV-D 2.2].)
6	Switch the ignition off.	—

### Engine Oil Replacement

#### 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.

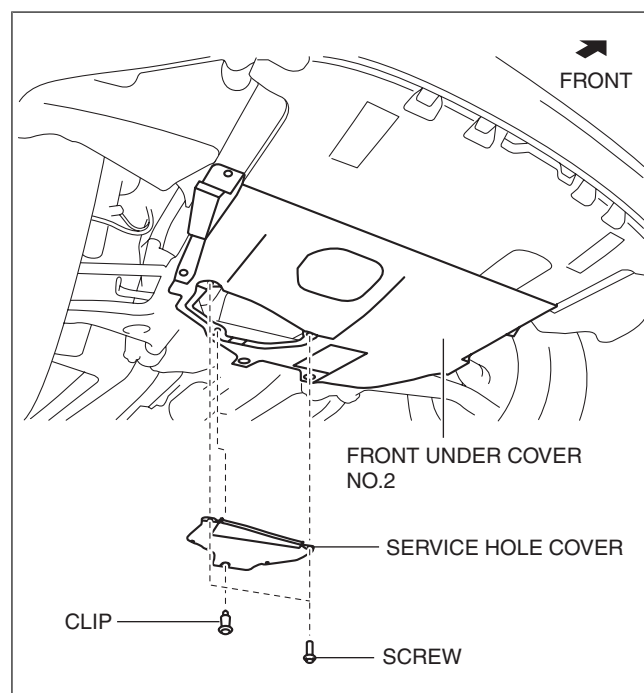
- Position the vehicle on level ground.
- Remove the oil filler cap.
- Remove the service hole cover (installed to front under cover No.2) used to drain the engine oil.
- Remove the oil pan drain plug.
- Drain the engine oil into a container.
- Install the oil pan drain plug with a new gasket.

**Oil pan drain plug tightening torque**  
30—41 N·m {3.1—4.1 kgf·m, 23—30 ft·lbf}

#### Note

- The amount of residual oil in the engine can vary according to factors such as the replacement method and oil temperature. Verify the oil level after engine oil replacement.

- Refill with the following type and amount of engine oil.



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### Engine oil [Europe]

Recommended engine oil		Alternative engine oil
Mazda Original Oil Supra DPF 0W-30	Mazda Original Oil Ultra DPF 5W-30	ACEA C3 0W-30, 5W-30

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**Engine oil [Except Europe]**

Item	Specifications	
Grade	ACEA C3	ACEA C1 <sup>*1</sup> or JASO DL-1 <sup>*1</sup>
Viscosity (SAE)	0W-30, 5W-30	5W-30 <sup>*1</sup>

**\*1 : Australian specs.**

**Engine oil capacity (approx. quantity)**

**Oil replacement: 4.8 L {5.1 US qt, 4.2 Imp qt}**

**Oil and oil filter replacement: 5.1 L {5.4 US qt, 4.5 Imp qt}**

**Total (dry engine): 6.0 L {6.3 US qt, 5.3 Imp qt}**

8. Install the oil filler cap.
9. Start the engine and confirm that there is no oil leakage.
  - If there is oil leakage, repair or replace the applicable part.
10. Inspect the oil level.
  - Verify that the oil level is between the F and L marks on the dipstick.
11. Install the service hole cover.
12. If the engine oil is replaced, perform "Operation After Replacing Engine Oil". (See Operation After Replacing Engine Oil.)