

2012 - Mazda6 - Engine

ENGINE OIL REPLACEMENT [MZI 3.7 V6]

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. Position the vehicle on level ground.
 2. Remove the oil filler cap.
 3. Remove the oil pan drain plug.
 4. Drain the engine oil into a container.
 5. Inspect the rubber seal of the oil pan drain plug and make sure there are no cracks, deterioration, or damage.
 - If necessary, replace the oil pan drain plug.
 6. Clean the flange surface (seal rubber) on the oil pan drain plug, then install the oil pan drain plug.

Oil pan drain plug tightening torque

- 22—30 N·m {2.3—3.0 kgf·m, 17—22 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.
7. Refill with the following type and amount of the engine oil. **Engine oil specification**

Item	U.S.A. and CANADA	Except U.S.A. and CANADA

Engine oil grade	 (ILSAC)	  (ILSAC)
		API SM or ILSAC
Engine oil viscosity	5W-20	5W-20 (If SAE 5W-20 engine oil is not available in your market, use SAE 10W-30, 10W-40, 5W-30, 5W-40 engine oil.)

Engine oil capacity (approx. quantity)

- Oil replacement: 4.7 L {5.0 US qt, 4.1 Imp qt}
- Oil and oil filter replacement: 5.2 L {5.5 US qt, 4.6 Imp qt}
- Total (dry engine): 5.7 L {6.0 US qt, 5.0 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. (See **ENGINE OIL LEVEL INSPECTION [MZI 3.7 V6]**.)

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