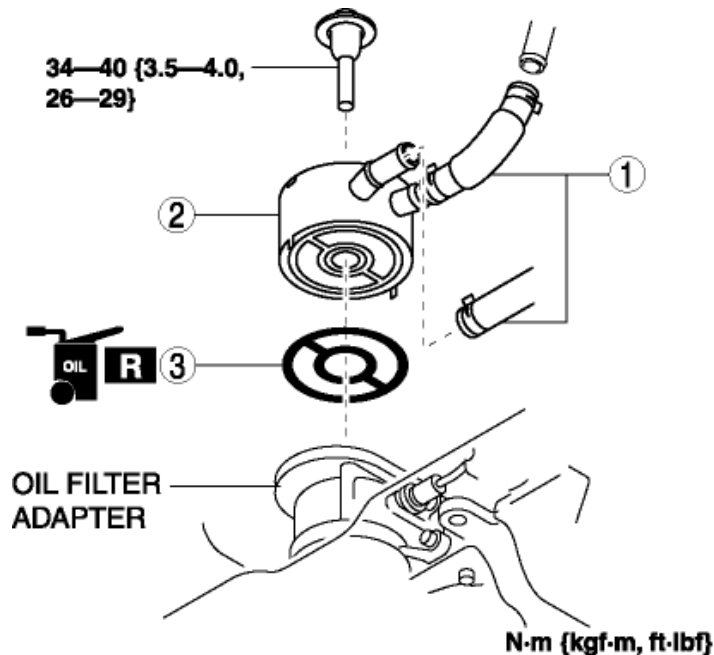


2012 - Mazda6 - Engine

OIL COOLER REMOVAL/ INSTALLATION [MZR 2.5]

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.
 2. Remove the aerodynamic under cover No.2. (See [AERODYNAMIC UNDER COVER NO.2 REMOVAL/ INSTALLATION](#).)
 3. Drain the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZR 2.5\]](#).)
 4. Remove in the order indicated in the table.
 5. Use a clean rag to wipe off the mounting surface on the oil filter adapter and the oil cooler.
 6. Install in the reverse order of the removal.
 7. Refill the engine coolant. (See [ENGINE COOLANT REPLACEMENT \[MZR 2.5\]](#).)
 8. Start the engine and confirm that there is no oil leakage.
 - If there is oil leakage, repair or replace the applicable part.
 9. Inspect the oil level. (See [ENGINE OIL LEVEL INSPECTION \[MZR 2.5\]](#).)
 10. Inspect for engine coolant leakage. (See [ENGINE COOLANT LEAKAGE INSPECTION \[MZR 2.5\]](#).)



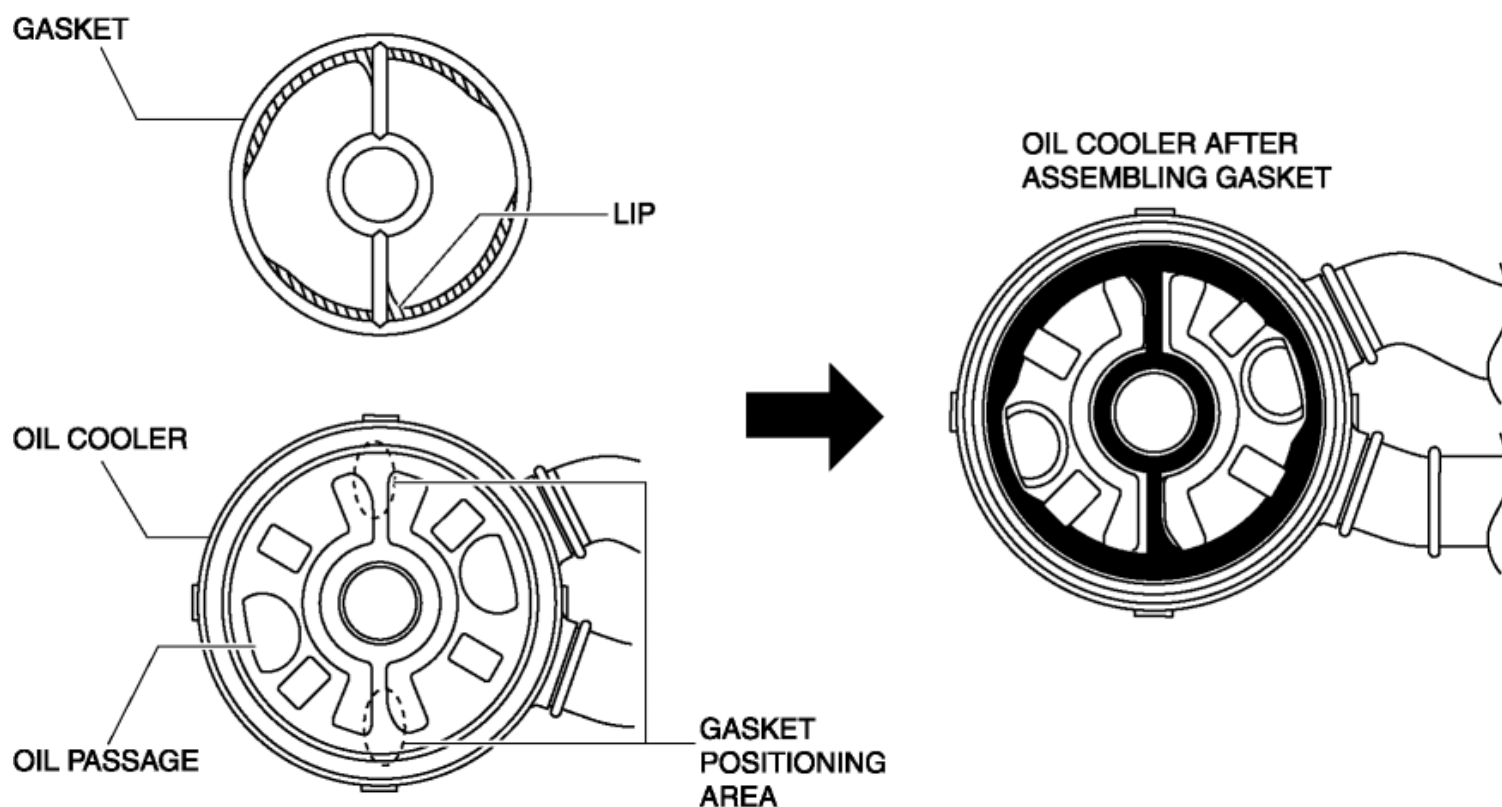
1	Water hose
2	Oil cooler (See Oil Cooler Installation Note.)
3	Gasket (See Gasket Installation Note.)

Gasket Installation Note

1. Apply engine oil to a new gasket.

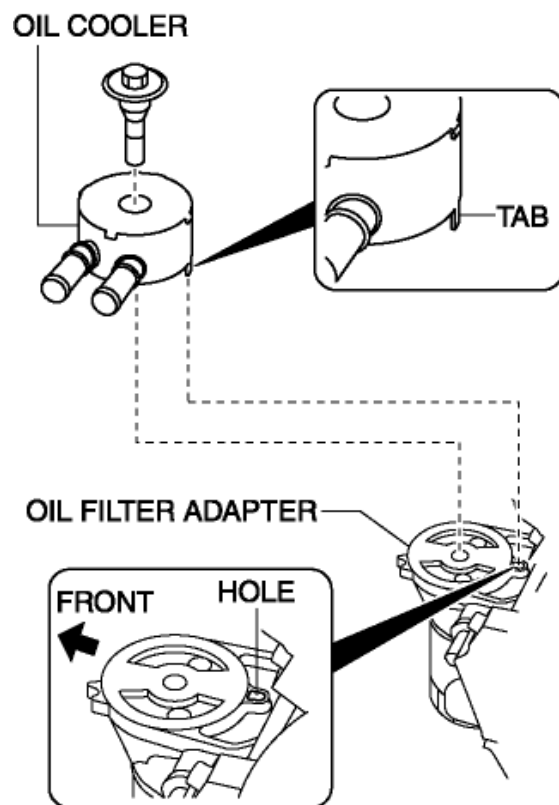
CAUTION:

- Assemble the gasket to the correct position using the following procedure so that the gasket lip does not overlap the oil passage for the oil cooler. Otherwise, it could leak engine oil and damage the engine.
2. Align the gasket lip to the gasket positioning areas of the oil cooler and assemble the gasket to the oil cooler.



Oil Cooler Installation Note

1. Align one of the positioning tabs on the oil cooler as shown in the figure to the oil filter adapter hole, and install the oil cooler.



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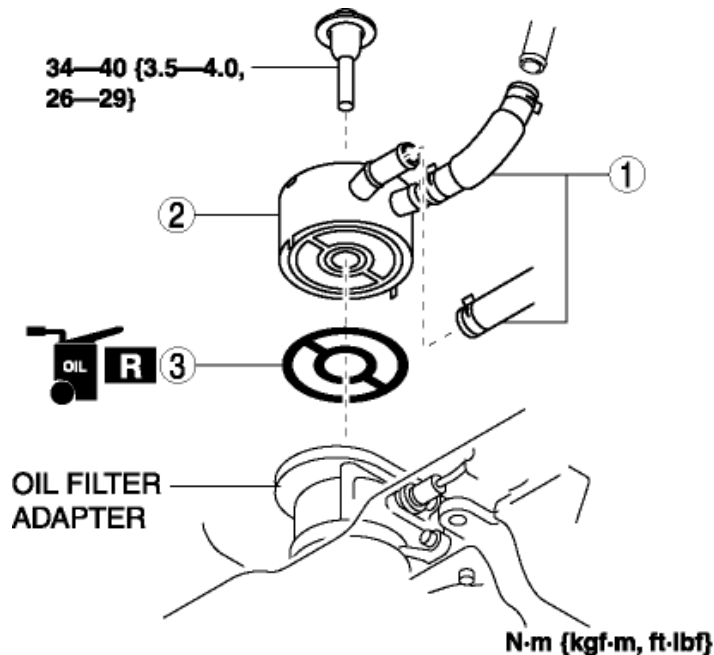
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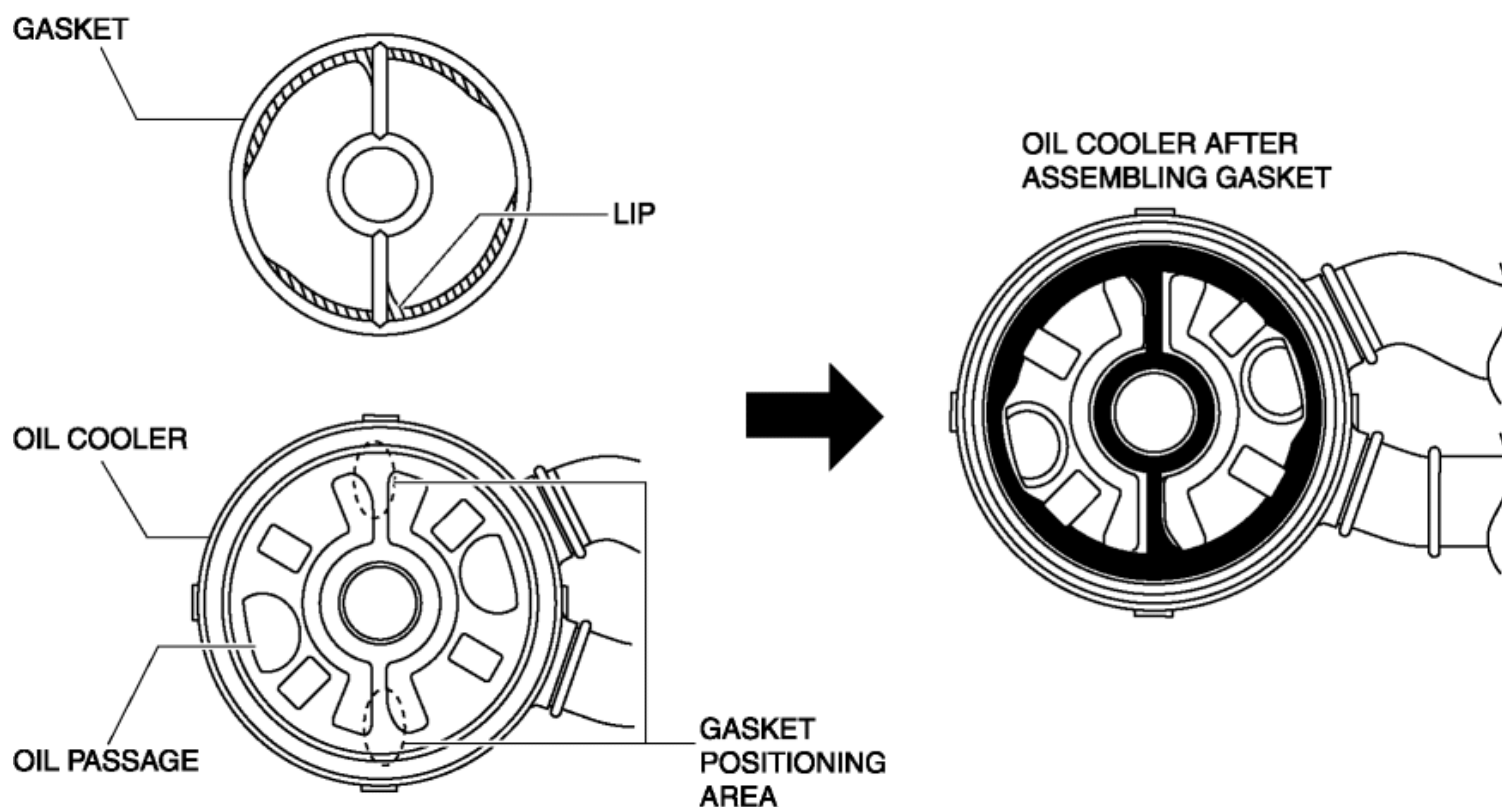
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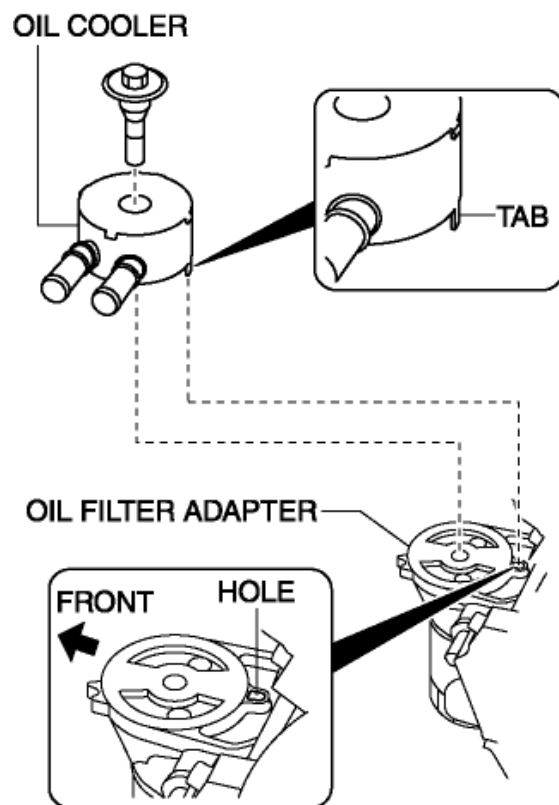
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