

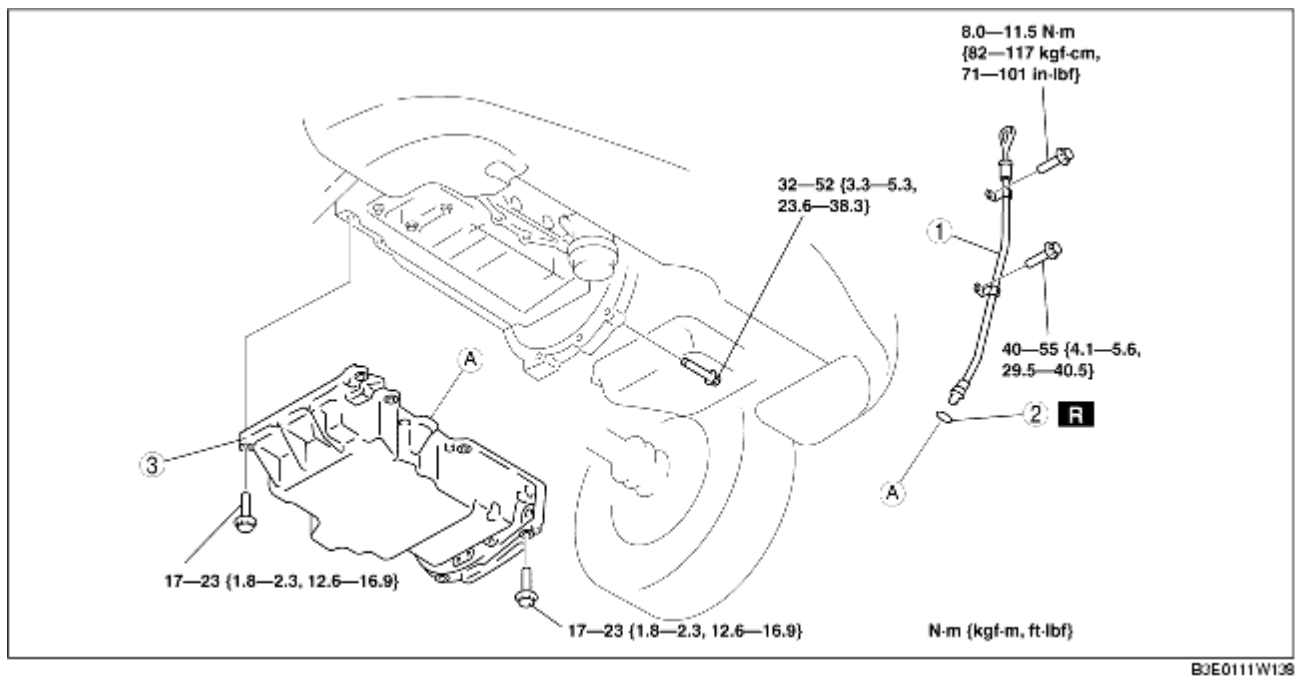
OIL PAN REMOVAL/INSTALLATION [LF]

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Warning

- Remove and install all parts when the engine is cold, otherwise they can cause severe burns or serious injury.
- 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.

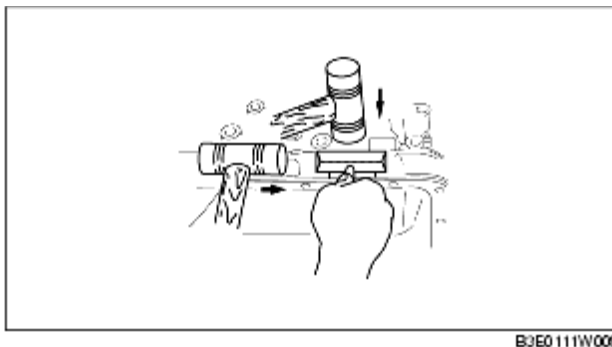
1. Remove the battery cover. (See [BATTERY REMOVAL/INSTALLATION \[LF\]](#).)
2. Disconnect the negative battery cable.
3. Remove the under cover and splash shield as a single unit.
4. Remove the front tire (RH).
5. Drain the engine oil. (See [ENGINE OIL REPLACEMENT \[LF\]](#).)
6. Remove the plug hole plate. (See [PLUG HOLE PLATE REMOVAL/INSTALLATION \[LF\]](#).)
7. Remove the drive belt. (See [DRIVE BELT REPLACEMENT \[LF\]](#).)
8. Set the coolant reserve tank out of the way.
9. Remove the A/C compressor with the pipes still connected. (See [A/C COMPRESSOR REMOVAL/INSTALLATION \[LF\]](#).)
10. Remove the ignition coil. (See [IGNITION COIL REMOVAL/INSTALLATION \[LF\]](#).)
11. Set the accelerator cable bracket out of the way.
12. Remove the crankshaft position (CKP) sensor. (See [CRANKSHAFT POSITION \(CKP\) SENSOR REMOVAL/INSTALLATION \[LF\]](#).)
13. Remove the engine front cover. (See [TIMING CHAIN REMOVAL/INSTALLATION \[LF\]](#).)
14. Remove in the order indicated in the table.
15. Install in the reverse order of removal.
16. Refill the engine with the specified type and amount of the engine oil. (See [ENGINE OIL REPLACEMENT \[LF\]](#).)
17. Start the engine and inspect for oil leakage.
 - If the oil leaks, specify the malfunctioning part and repair or replace it.
18. Inspect the oil level. (See [ENGINE OIL LEVEL INSPECTION \[LF\]](#).)
19. Inspect for the ignition timing and idle speed. (See [ENGINE TUNE-UP \[LF\]](#).)



1	Oil level gauge pipe
2	O-ring
3	Oil pan (See Oil Pan Removal Note.) (See Oil Pan Installation Note.)

Oil Pan Removal Note

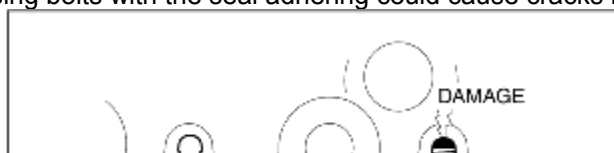
1. Remove the oil pan using the separator tool.



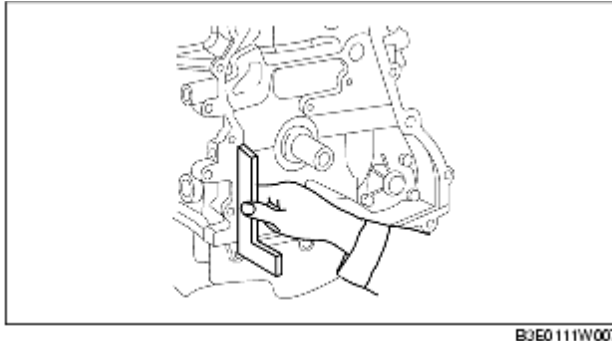
Oil Pan Installation Note

Caution

- Apply the silicon sealant in a single, unbroken line around the whole perimeter.
- Install the oil pan within 5 min after applying the silicone sealant.
- Using bolts with the seal adhering could cause cracks in the housing.

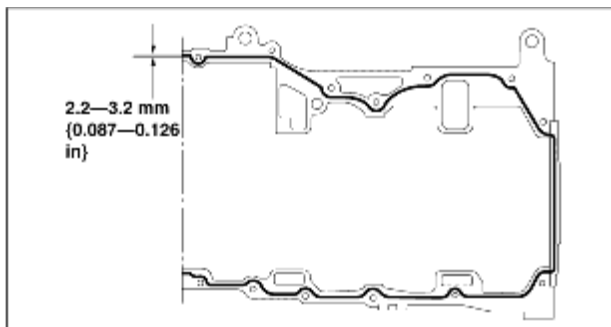


1. Completely clean and remove any oil, dirt, sealant or other foreign material that may be adhering to the housing and oil pan.
2. When reusing oil pan installation bolts, clean any old sealant from the bolts.
3. Use a square ruler to align the oil pan and the cylinder block junction side on the engine front cover side.



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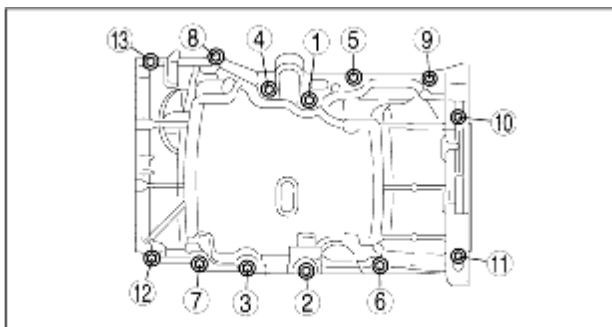
4. Apply silicone sealant to the oil pan along the inside of the bolt holes as shown in the figure.



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Thickness
2.2-3.2 mm {0.087-0.126 in}

5. Tighten the bolts in the order as shown in the figure.



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