

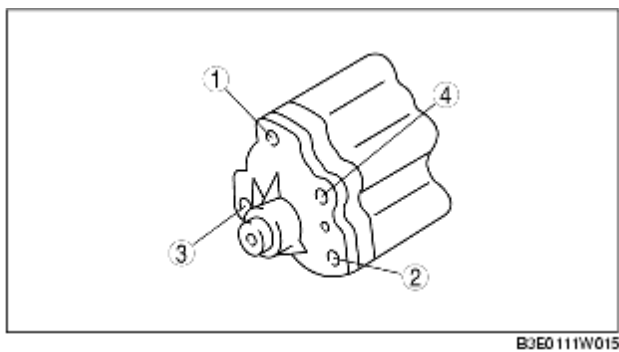
OIL PUMP REMOVAL/INSTALLATION [LF]

B3E011119220W02

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. Remove the spark plug. (See [SPARK PLUG REMOVAL/INSTALLATION \[LF\]](#).)
12. Set the accelerator cable bracket out of the way.
13. Remove the crankshaft position (CKP) sensor. (See [CRANKSHAFT POSITION \(CKP\) SENSOR REMOVAL/INSTALLATION \[LF\]](#).)
14. Remove the engine front cover. (See [TIMING CHAIN REMOVAL/INSTALLATION \[LF\]](#).)
15. Remove the oil pan. (See [OIL PAN REMOVAL/INSTALLATION \[LF\]](#).)
16. Remove in the order indicated in the table.
17. Install in the reverse order of removal.
18. Refill the engine with the specified type and amount of the engine oil. (See [ENGINE OIL REPLACEMENT \[LF\]](#).)
19. Start the engine and inspect for oil leakage.
 - If the oil leaks, specify the faulty part and repair or replace it.

**Tightening torque:**

- 1) 8-10 N·m {82-101 kgf·cm, 71-88 in·lbf}
- 2) 20-25 N·m {2.1-2.5 kgf·m, 15.2-18.4 ft·lbf}