

# Engine Tune-up

## Oil Filter Replacement

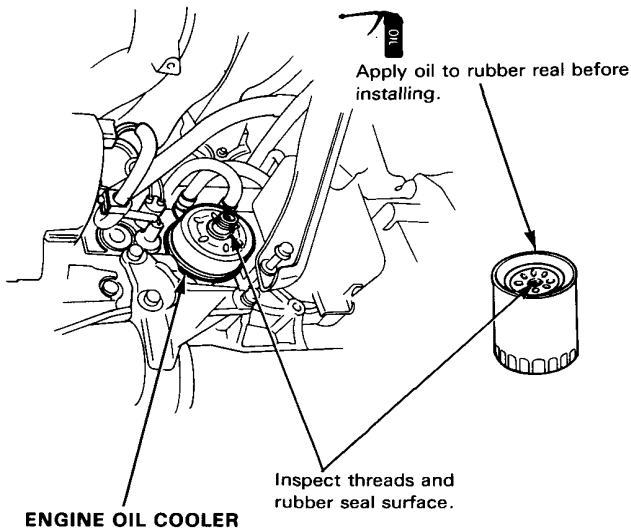
**⚠ WARNING** After the engine has been run, the exhaust pipes will be hot; be careful when working around the exhaust manifold.

**CAUTION:** Used engine oil may cause skin cancer if repeatedly left in contact with the skin for prolonged periods. Although this is unlikely unless you handle used oil on a daily basis, it is still advisable to thoroughly wash your hands with soap and water as soon as possible after handling used oil.

**NOTE:** Engine Oil and the filter should be changed together 10,000 km (6,000 miles) or 6 months, whichever comes first.

1. Remove the oil filter with the special oil filter socket.
2. Inspect the threads and rubber seal on the new filter. Wipe off the filter seat on the engine oil cooler and apply a light coat of oil to the filter rubber seal.

**NOTE:** Use only filters with a built-in bypass system.

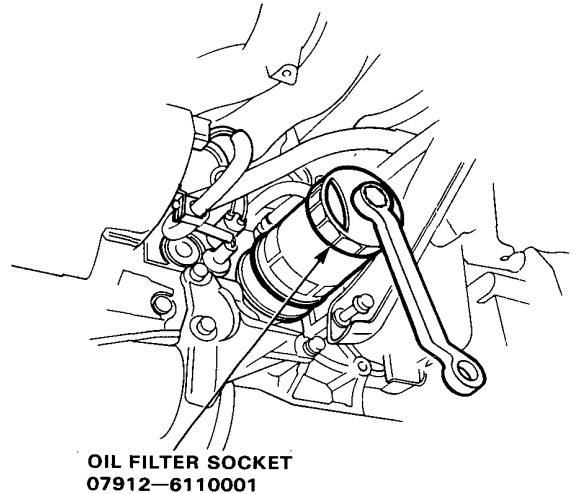


3. Install the oil filter by hand.
4. After the rubber seal is seated, tighten the oil filter clockwise with the special tool.

**Tighten:** 7/8 turn clockwise.

**Tightening torque:** 22 N·m (2.2 kg-m, 16 lb-ft)

**CAUTION:** Installation other than the above procedure could result in serious engine defects due to oil leakage.



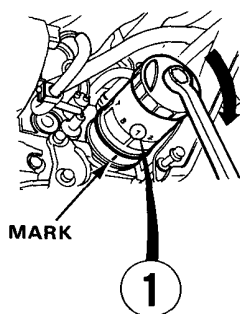


## Spark Plug Inspection

Eight numbers (1 to 8) are printed on the surface of the filter.

The following explains the procedure for tightening filters using these numbers.

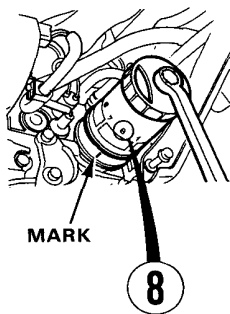
- 1) Make a mark on the cylinder block under the number that shows at the bottom of the filter when the rubber seal is seated.
- 2) Tighten the filter by turning it clockwise seven numbers from the marked point. For example, if a mark is made under the number 2 when the rubber seal is seated, the filter should be tightened until the number 1 aligns with the marked point.



MARK

1

Number when rubber seal is seated.



MARK

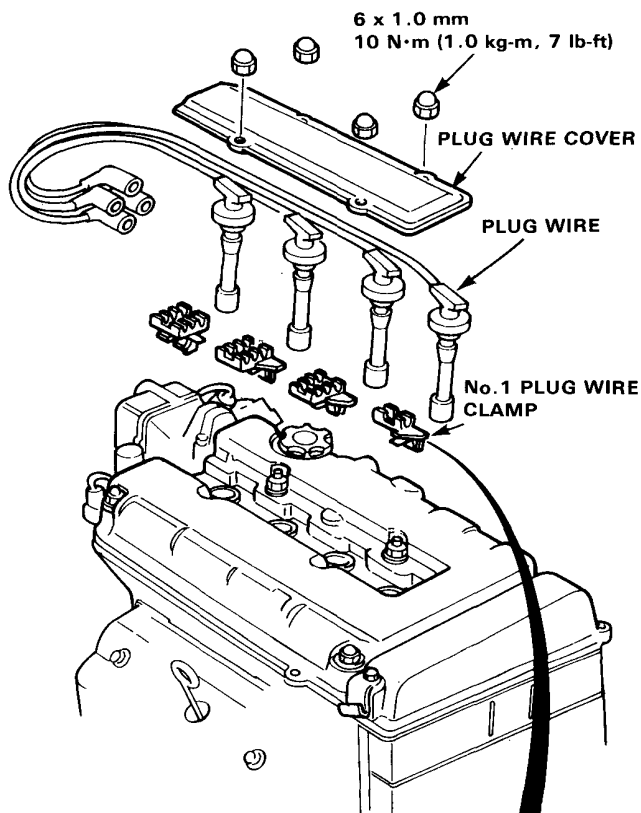
8

Number after tightening.

Number when rubber seal is seated	1	2	3	4	5	6	7	8
Number after tightening	8	1	2	3	4	5	6	7

5. After installation, fill the engine with oil up to the specified level, run the engine for more than 3 minutes, then check for oil leakage.

1. Remove the plug wire cover and the plug wires.
2. Remove the plug wire clamps while pulling up on the lock.



6 x 1.0 mm  
10 N·m (1.0 kg-m, 7 lb-ft)

PLUG WIRE COVER

PLUG WIRE

No.1 PLUG WIRE CLAMP

PLUG WIRE CLAMP

LOCK

(cont'd)