

# Engine Tune-up

## Air Cleaner Element Inspection/ Replacement

### Inspection

1. Remove the air cleaner element.
2. Check the air cleaner element for fouling.

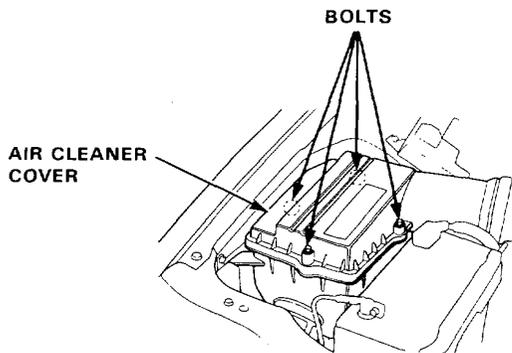
NOTE: No cleaning is necessary for the air cleaner element, because its filter takes in oil (: viscous type).

Replace: every two years

- The air cleaner element should be replaced more frequently on cars normally used under severe driving conditions.

### Replacement

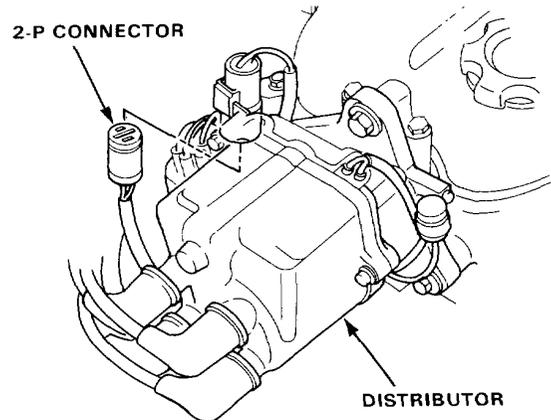
1. Remove the air cleaner cover.



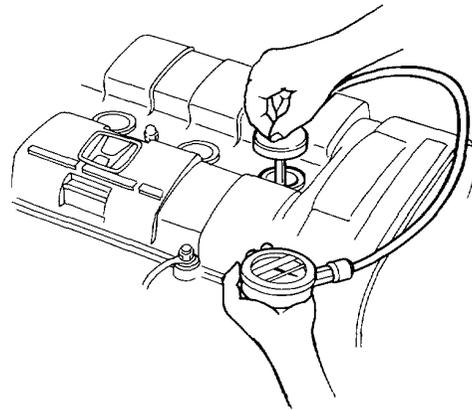
2. Replace the element, install the air cleaner cover and tighten the clip, nut or bolts securely.

## Compression Pressure Inspection

1. Before inspection, run the engine until it warms up (radiator fan comes on).
2. Disconnect spark plugs (4).
3. Disconnect the 2-P connector (ignition coil primary lead) from the distributor.



4. Fit the compression gauge adapter into a plug hole.
  - Measure compression pressure at each cylinder.



### Compression pressure:

SOHC Engine: 1,275 kPa (13.0 kg/cm<sup>2</sup>, 185 psi)  
at 250 min<sup>-1</sup> (rpm)

DOHC Engine: 1,324 kPa (13.5 kg/cm<sup>2</sup>, 192 psi)  
at 250 min<sup>-1</sup> (rpm)

Limit: 932 kPa (9.5 kg/cm<sup>2</sup>, 135 psi)  
at 250 min<sup>-1</sup> (rpm)

Difference between cylinders:  
169 kPa (2.0 kg/cm<sup>2</sup>, 28 psi)

NOTE: Use a full charged battery.

5. If compression pressure is low, it is caused by wear or damage of piston rings or head gasket, and improper seated valves.