

# Engine Tune-up

## Air Cleaner Element Inspection/Replacement

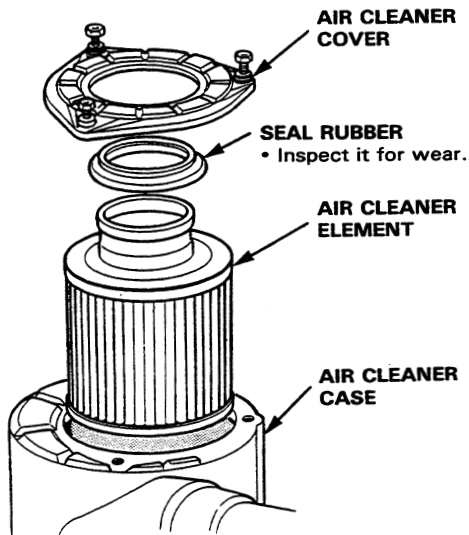
1. Release three bolts and the air cleaner cover.
2. Remove the air cleaner element.
3. Check the air cleaner element for fouling.

**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.

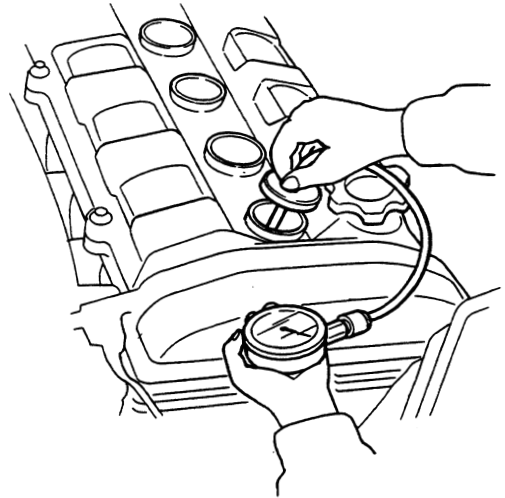
**Fuel-Injected Engine:**



4. Install the air cleaner element in the reverse order of removal.

## Compression Pressure Inspection

1. Before inspection, run the engine until it warms up (radiator fan comes on).
2. Disconnect spark plugs (4).
3. Fit the compression gauge adapter into a plug hole.
  - Measure compression pressure at each cylinder.



**Compression pressure**

**Standard:** 1.117 kPa (12.0 kg/cm<sup>2</sup>, 171 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.

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