

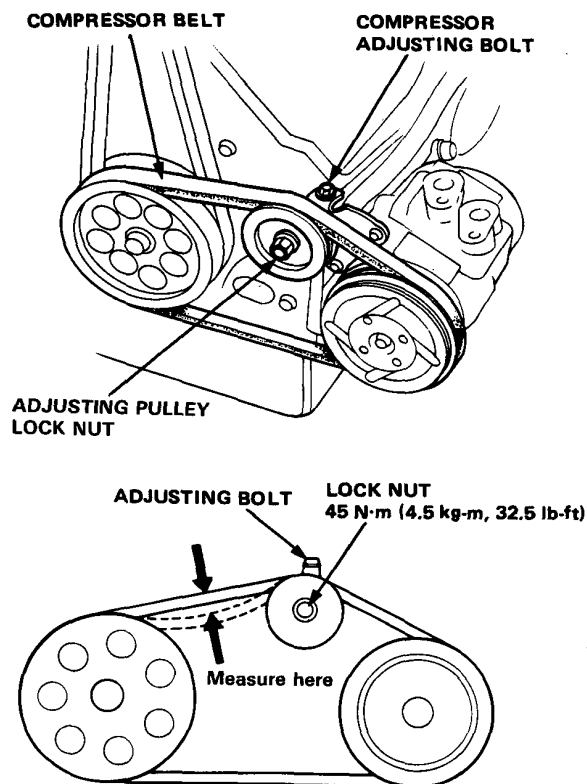


## A/C Compressor Belt Adjustment

1. Apply a force of 98 N (10 kg, 22 lb) and measure the deflection, between the A/C compressor adjusting pulley and the crankshaft pulley.

**Deflection: 9–11 mm (0.35–0.43 in.)**

**NOTE:** On a brand-new belt, the deflection should be 7–9 mm (0.28–0.35 in.) when first measured.



2. Loosen the adjusting pulley locknut.
3. Move the adjusting pulley by turning the adjusting bolt to obtain the proper belt tension, then retighten the bolt and nut.
4. Recheck the deflection of the belt.

## Idle Speed Inspection/Adjustment

1. Start the engine and warm it up to normal operating temperature (the cooling fan comes on).
2. Connect a tachometer.
3. Set the steering in the straight forward condition, and check idling in no-load conditions in which the headlights, blower fan, rear defroster, cooling fan, and air conditioner are not operating.

**Idle speed should be:**

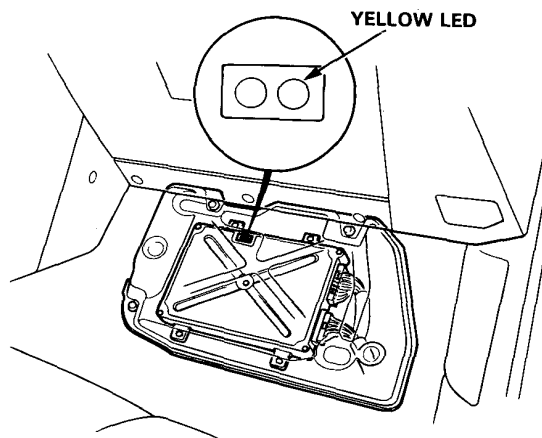
**KG, KX**

Manual	680 ± 50 rpm
Automatic	680 ± 50 rpm (in <b>N</b> or <b>P</b> )

**KB, KE, KF, KQ**

Manual	720 ± 50 rpm
Automatic	680 ± 50 rpm (in <b>D</b> ) and 720 ± 50 rpm (in <b>N</b> or <b>P</b> )

4. Check the Yellow LED display at the ECU under the passenger's seat.



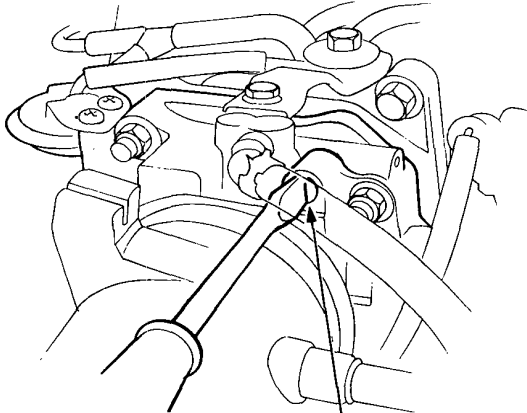
- If Yellow LED is off  
Do not adjust idle adjusting screw.
- If Yellow LED is blinking  
Adjust idle adjusting screw 1/4 turn clockwise.
- If Yellow LED is on  
Adjust idle adjusting screw 1/4 turn counter-clockwise.

(cont'd)

# Engine Tune-up

## Idle Speed Inspection/Adjustment (cont'd)

NOTE: On a new engine (less than 310 miles or 500 km) the Yellow LED may light even though the idle adjusting screw is properly set. However, no adjustment should be made.



IDLE ADJUSTING SCREW

— Check that the Yellow LED goes off after approximately 30 seconds.

If it does not go off, rotate the idle adjusting screw by 1/4 turn in the same direction, and repeat the same operation until the Yellow LED goes off.

5. Check the idle speed in the following conditions.
  - With headlights (Hi) and rear window defogger ON.
  - While the steering wheel is turning.
  - With air conditioner compressor on.
  - If, applicable, with Automatic transmission model when shifted in gear (except **N** or **P**).

Idle should remain stable at:  $800 \pm 50$  rpm

## Inspection

**WARNING** Do not smoke during this procedure. Keep any open flame away from your work area.

1. Start the engine and warm up to normal operating temperature (cooling fan comes on).
2. Connect tachometer.
3. Check idle speed and adjust the idle speed, if necessary (page 6-75).
4. Warm up and calibrate the CO meter according to the meter manufacturer's instructions.
5. Check idle CO with the headlights, heater blower, rear window defogger, cooling fan, and air conditioner off.

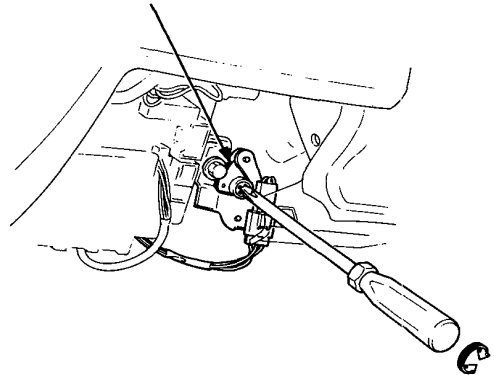
CO meter should indicate:

KG, KX, KQ Model: 0.1 % Maximum.

KE, KB, KF Model:  $1.0 \pm 1.0$  Maximum.

- If unable to obtain this reading;
  - On KG, KX, KQ models, see ECU troubleshooting (page 6-25).
  - On KE, KB, KF Models, adjust by turning adjusting screw of the IMA sensor.

IMA SENSOR



— If unable to obtain a CO reading of specified % by this procedure, check the engine tune-up condition.