Engine Tune-up

Tailpipe Emissions Inspection

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

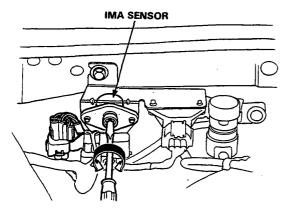
- Start the engine and warm up to normal operating temperature (cooling fan comes on).
- 2. Connect tachometer.
- Check idle speed and adjust the idle speed, if necessary (page 11-180).
- 4. Warm up and calibrate the CO meter according to the meter manufacturer's instructions.
- Check idle CO with the headlights, heater blower, rear window defogger, cooling fan, and air conditioner off.

Specified CO%:

KX, KS, KZ: 0.1% maximum Other models: $1.0 \pm 1.0\%$

If unable to obtain this reading;
On KX, KS, KZ, see ECU troubleshooting (page 6-134).

On other models, adjust by turning the adjusting screw of the IMA sensor.

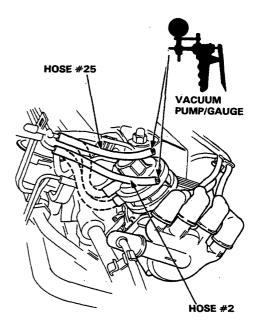


 If unable to obtain a CO reading of specified % by this procedure, check the engine tune-up condition.

Ignition Timing Inspection and— Setting

Carbureted Engine:

Disconnect the vacuum hoses from the vacuum advance diaphragm, then connect the vacuum pump/gauges to the vacuum hoses.



- 2. Start the engine and let it idle.
- When the engine is cool (coolant temperature is below 140°F), check each hose for vacuum.
 The #2 and #25 hoses should have vacuum.
 - If the #2 hose has no vacuum, check the #2 hose of proper connection, cracks, blockage or disconnected hose.
 - If the #25 hose has no vacuum, check the #24 and #25 hoses for proper connections, cracks, blockage or disconnected hoses, and the check valve is not clogged.

If the #24 and #25 hoses, and the check valve have no problem, replace the thermovalve and recheck the #25 hose for vacuum.

 Connect the vacuum hoses to the vacuum advance diaphragm and allow the engine to warm up. (cooling fan comes on).