IDLE AND OR 2500 RPM CO HC CHECK

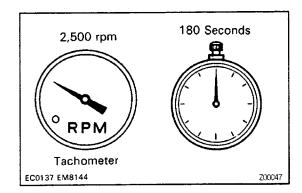
HINT: This check is used only to determine whether or not the idle CO/HC complies with regulations.

1. INITIAL CONDITIONS

- (a) Engine at normal operating temperature
- (b) Air cleaner installed
- (c) All pipes and hoses of air induction system connected
- (d) All accessories switched OFF
- (e) All vacuum lines properly connected

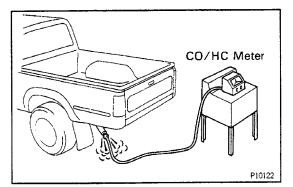
HINT: All vacuum hoses for EGR systems, etc. should be properly connected.

- (f) MFI system wiring connectors fully plugged
- (g) Ignition timing set correctly
- (h) Idle speed set correctly
- (i) Transmission in neutral position
- (j) Tachometer and CO/HC meter calibrated by hand



2. START ENGINE

3. RACE ENGINE AT 2,500 RPM FOR APPROX. 180 SECONDS



4. INSERT CO/HC METER TESTING PROBE INTO TAILPIPE AT LEAST 40 cm (1.3 ft) DURING IDLING 5. IMMEDIATELY CHECK CO/HC CONCENTRATION AT IDLE AND/OR 2,500 RPM

HINT: When performing the 2 mode (2,500 rpm and idle) test, follow the measurement order prescribed by the applicable local regulations.

EG2–29

Troubleshooting

If the CO/HC concentration does not comply with regulations, perform troubleshooting in the order given below.

- (a) Check heated oxygen sensor operation. (See MFI System on page EG2–252)
- (b) See the table below for possible causes, and then inspect and correct the applicable causes if neces-sary.

со	нс	Problems	Causes
Normal	High	Rough idle	 Faulty ignitions: Incorrect timing Fouled, shorted or improperly gapped plugs Open or crossed high-tension cords Cracked distributor cap Incorrect valve clearance Leaky EGR valve Leaky intake and exhaust valves Leaky cylinder
Low	High	Rough idle (Fluctuating HC reading)	 Vacuum leaks: PCV hose EGR valve Intake manifold Air intake chamber Throttle body Brake booster line Lean mixture causing misfire
High	High	Rough idle (Black smoke from exhaust)	 Restricted air filter Plugged PCV valve PAIR system problems Faulty M F I systems: Faulty pressure regulator Clogged fuel return line Defective ECT sensor Defective intake air temperature sensor Faulty ECM Faulty cold start injector Faulty throttle position sensor Faulty trottle position sensor