IDLE CO CHECK AND ADJUST (w/o TWC)

EG78R-01

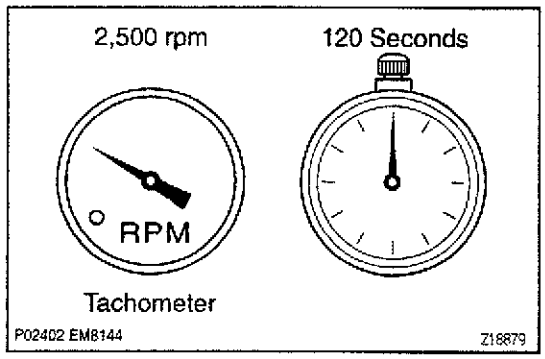
HINT: This check is used only to determine whether or not the idle CO/HC complies with regulations.

1. **INITIAL CONDITIONS**

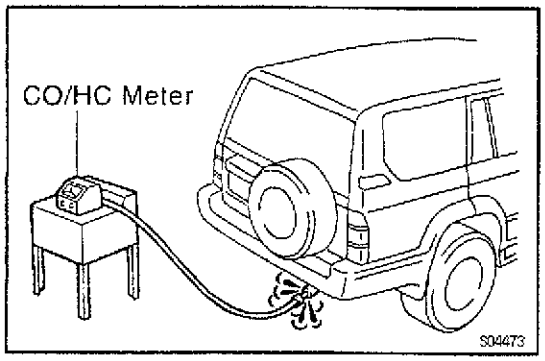
(a) Engine at normal operating temperature
(b) Air cleaner installed
(c) All pipes and hoses of air induction system connected
(d) All accessories switched OFF
(e) All vacuum lines properly connected
(f) EFI system wiring connectors fully plugged
(g) Ignition timing checked correctly
(h) Transmission in neutral position
(i) Tachometer and CO/HC meter calibrated by hand

2. **CHECK AND ADJUST CO CONCENTRATION AT IDLE**

NOTICE: Always use a CO meter when adjusting the idle mixture. It is not necessary to adjust with the idle mixture screw in most vehicle if they are in good condition. If a CO meter is not available, DO NOT ATTEMPT TO ADJUST IDLE MIXTURE.

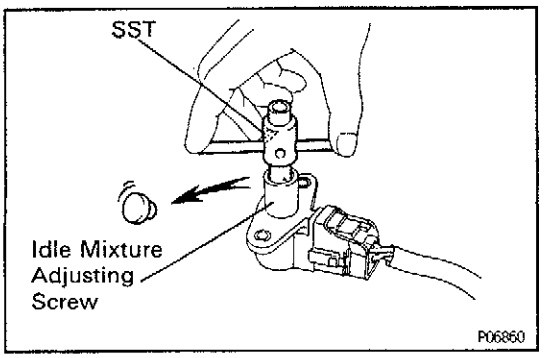


(a) Race the engine at 2,500 rpm for approx. 120 seconds.

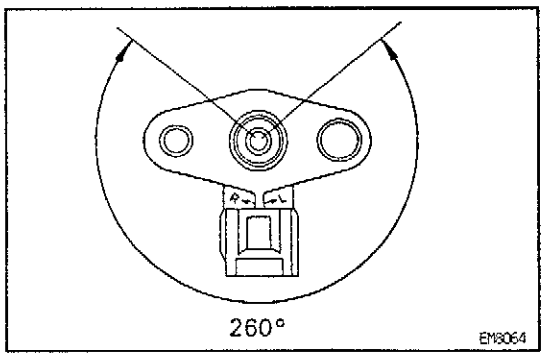


(b) Insert a tester probe at least 40 cm (1.3 ft) into the tailpipe during idling.
(c) Wait at least 1 minute before measuring to allow the concentration to stabilize. Complete the measuring within 3 minutes.

Idle CO concentration (w/ Cooling fan OFF):
1.5 ± 0.5 %



If the CO concentration does not conform to regulations, adjust by turning the IDLE MIXTURE ADJUSTING SCREW in the variable resistor with SST.
SST 09243–00020



HINT: The idle mixture adjusting screw can be tightened through on angle of 260°.
LOCATION: In the engine compartment on the rear right side.

- If the CO concentration is within specification, this adjustment is complete.
- If the CO concentration cannot be corrected by idle mixture adjustment, see the table on the page 7 for other possible causes.