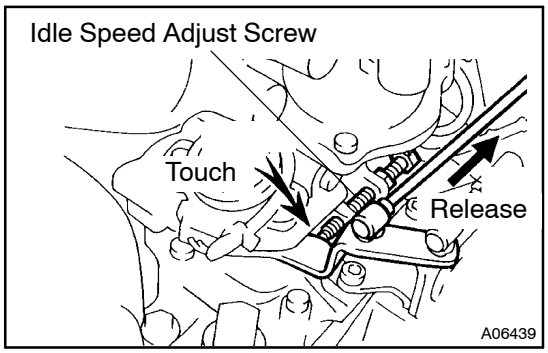
# IDLE SPEED AND MAXIMUM SPEED (1HZ, 1HD–T)

EM0W4–01

## INSPECTION

**1. INITIAL CONDITIONS**

(a) Engine at normal operating temperature
(b) Air cleaner installed
(c) All accessories switched OFF
(d) All vacuum lines properly connected
(e) Valve clearance set correctly




(f) Injection timing set correctly
(g) A/T:
Transmission in neutral position
(h) w/ PS:
Steering wheel at straight–ahead position

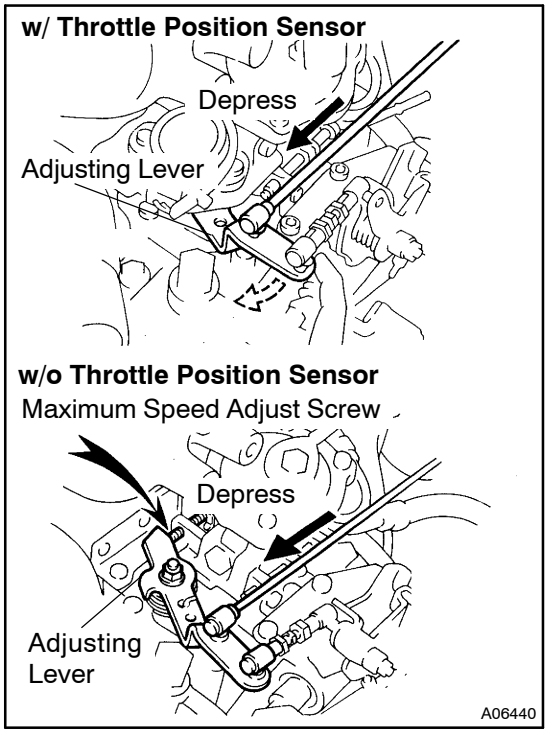
**2. CONNECT TACHOMETER**

**3. CHECK AND ADJUST IDLE SPEED**

(a) Check that the adjusting lever touches the idle speed adjusting screw when the accelerator pedal is released.

If not, adjust the accelerator linkage.

(b) Start the engine.
(c) Check the idle speed.
**Idle speed:**
**1HZ:**
**M/T: 650 ± 50 rpm**
**A/T: 710 ± 50 rpm**
**1HD–T:**
**M/T: 650 ± 50 rpm**
**A/T: 700 – 800 rpm**
(d) Adjust the idle speed.
- Disconnect the accelerator linkage.
- Loosen the lock nut of the idle speed adjusting screw.
- Adjust the idle speed by turning the idle speed adjusting screw.
- Securely tighten the lock nut, and recheck the idle speed.
- Reconnect the accelerator linkage.
- After adjustment, adjust the accelerator linkage.




**4. CHECK AND ADJUST MAXIMUM SPEED**

(a) w/ Throttle Position Sensor:
Depress the accelerator pedal all the way. Then check that the adjusting lever does not move when you try to push it to the maximum speed side.

If not, adjust the accelerator linkage.

(b) w/o Throttle Position Sensor:
Check that the adjusting lever touches the maximum speed adjusting screw when the accelerator pedal is depressed all the way.

If not, adjust the accelerator linkage.

(c) Start the engine.

(d) Depress the accelerator pedal all the way.

(e) Check the maximum speed.
**Maximum speed:**
**1HZ: 4,600 ± 100 rpm**
**1HD–T: 4400 ± 100 rpm**

If the maximum speed is not as specified, remove the injection pump and adjust the maximum speed.