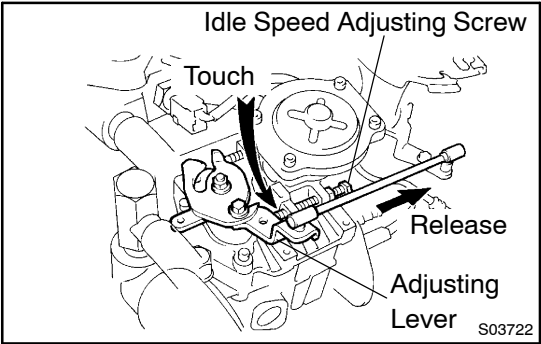


# IDLE SPEED AND MAXIMUM SPEED (5L) INSPECTION

EM1T3-01

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) Transmission in neutral position
  - (h) Steering wheel at straight-ahead position
2. **CONNECT TACHOMETER**

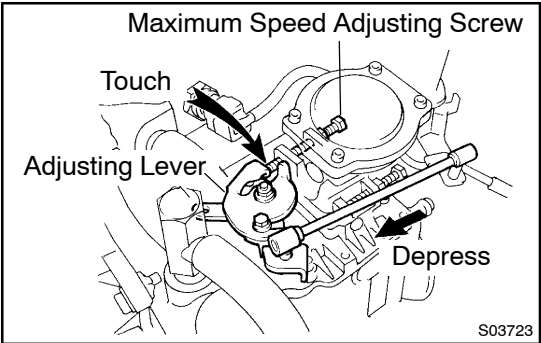


3. **INSPECT AND ADJUST IDLE SPEED**
  - (a) Check that the adjusting lever touches the idle speed adjusting screw when the accelerator pedal is released. If not, adjust the accelerator linkage.
  - (b) Start the engine.
  - (c) Check the idle speed.

**Idle speed:**

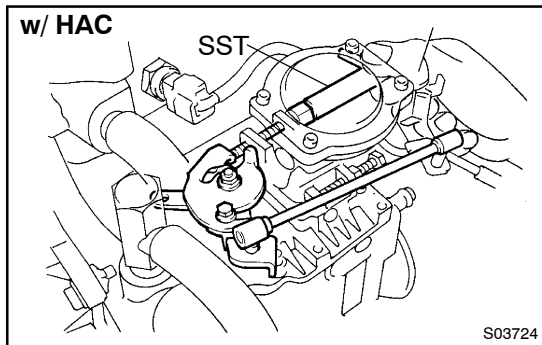
|     |               |
|-----|---------------|
| M/T | 650 – 750 rpm |
| A/T | 750 – 850 rpm |

- (d) Adjust the idle speed.
  - (1) Disconnect the accelerator linkage.
  - (2) Loosen the lock nut of the idle speed adjusting screw.
  - (3) Adjust the idle speed by turning the idle speed adjusting screw.
  - (4) Securely tighten the lock nut, and recheck the idle speed.
  - (5) Reconnect the accelerator linkage.
  - (6) After adjustment, adjust the accelerator linkage.



4. **INSPECT AND ADJUST MAXIMUM SPEED**
  - (a) 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.
  - (b) Start the engine.
  - (c) Depress the accelerator pedal all the way.
  - (d) Check the maximum speed.

**Maximum speed: 4,770 – 5,030 rpm**

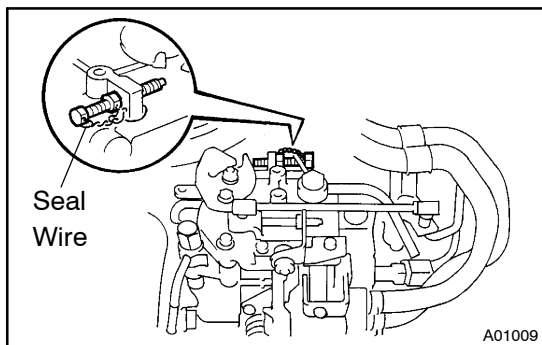


- (e) Adjust the maximum speed.
- (1) Disconnect the accelerator linkage.
  - (2) Cut off the seal wire of the maximum speed adjusting screw.
  - (3) w/ HAC:  
Using SST, loosen the lock nut of the maximum speed adjusting screw.  
SST 09275-54020
  - (4) w/o HAC:  
Loosen the lock nut of the maximum speed adjusting screw.
  - (5) Adjust the maximum speed by turning the maximum speed adjusting screw.

**HINT:**

Adjust at idle speed. Then, raise engine speed and recheck the maximum speed.

- (6) w/ HAC:  
Using SST, securely tighten the lock nut.  
SST 09275-54020
- (7) w/o HAC:  
Securely tighten the lock nut.
- (8) Recheck the maximum speed.
- (9) Reconnect the accelerator linkage.
- (10) After adjustment, adjust the accelerator linkage.



- (11) Seal the maximum speed adjusting screw with a new seal wire.