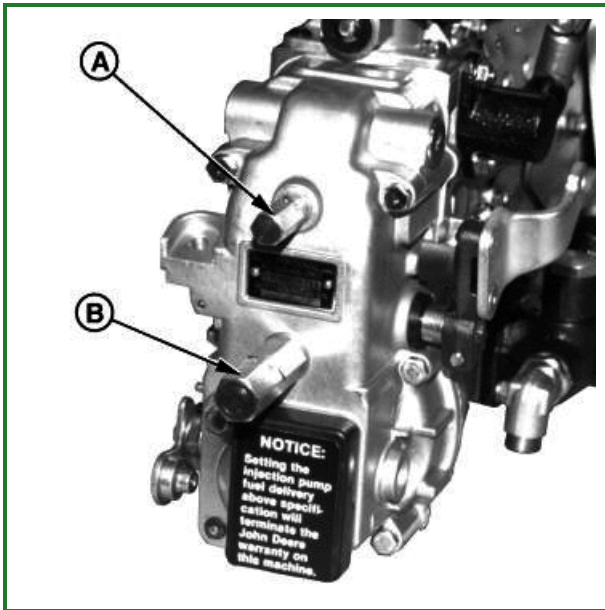


Check and Adjust Slow Idle Speed



RG10000-UN: Adjusting Screw Covers

LEGEND:

A - Adjusting Screw Cover

B - Bumper Spring Adjusting Screw Cover

IMPORTANT:

Verify that throttle linkage is properly adjusted and it moves freely without binding before drawing the conclusion that slow idle speed requires adjustment.

1. Start engine and move throttle lever to slow idle and check idle speed using a hand-held tachometer or vehicle instrument panel tachometer.

NOTE:

Hold governor throttle lever against slow idle stop or disconnect speed control rod from throttle lever if you suspect it is not resting against stop.

2. If slow idle speed needs to be adjusted, the slow idle adjusting screw cover (A) and bumper spring adjusting screw cover (B) must be removed on Denso injection pumps only.

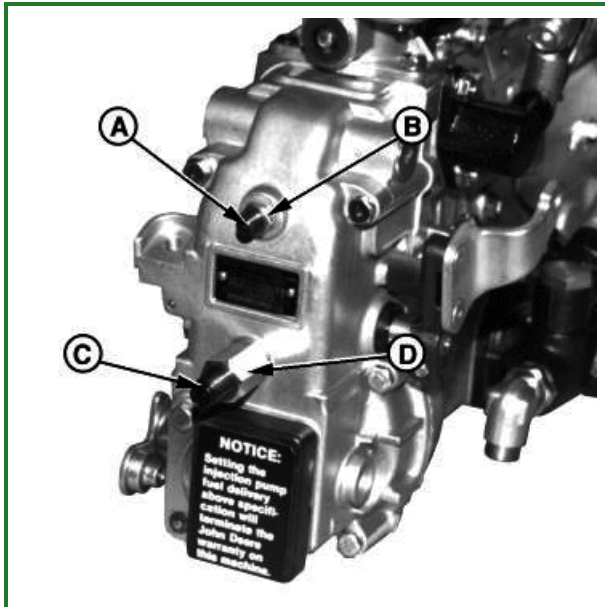
NOTE:

Refer to the appropriate machine technical manual for slow idle speed adjustment specifications.

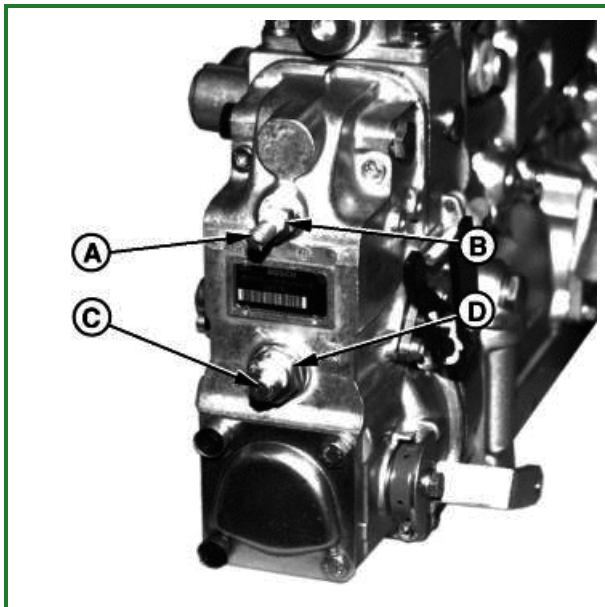
3. **IMPORTANT:**

Minor adjustment of the slow idle speed may be made with the bumper spring screw (C). However, it should not be used by itself to change engine speed more than 50 rpm (100 rpm for 6081TRW01, 02, 09, 10 engines), as overspeeding of the engine may result.

If slow idle screw (A) and bumper spring screw are not adjusted according to instructions, engine damage could result because of overspeeding.



RG10011-UN: Denso Injection Pump



RG10012-UN: Bosch Injection Pump

LEGEND:

- A - Slow Idle Adjusting Screw
- B - Slow Idle Lock Nut
- C - Bumper Spring Adjusting Screw
- D - Bumper Spring Lock Nut

Loosen bumper spring lock nut (D) and either remove bumper spring screw or back it out until there is no preload on spring.

4. Loosen slow idle screw lock nut (B) and adjust slow idle screw to obtain an idle speed 50 rpm (100 rpm for 6081TRW01, 02, 09, 10 engines) less than desired slow idle speed setting.
5. Turn the bumper spring adjusting screw in to increase engine speed a maximum of 50 rpm (100 rpm for 6081TRW01, 02, 09, 10 engines) to desired slow idle speed.

For example, to obtain an 850 rpm slow idle speed, use the slow idle screw to set speed at approximately 800 rpm. Then increase speed to 850 rpm using the bumper spring adjusting screw.

NOTE: