

Testing and Adjusting

311C and 314C Excavators Electric and Electronic

Media Number -REN5557-04

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i01529781

Acceleration Cable and Deceleration Cable - Adjust

SMCS - 1265-025

Perform this procedure when any of the following events occurs:

- The governor actuator is calibrated.
- The governor actuator is replaced.
- The acceleration cable needs adjustment.
- The deceleration cable needs adjustment.

Note: Calibration of the governor actuator must occur immediately before this process is started. Refer to Testing and Adjusting, "Governor Actuator - Calibrate".

A new governor actuator (1) is calibrated by the manufacturer. It is not necessary to calibrate a new governor actuator. Calibration of the governor actuator is broken if the machine is operated before adjusting the cables. You must calibrate the governor actuator (1) if the engine is started before adjusting the cables. Refer to Testing and Adjusting, "Governor Actuator - Calibrate".

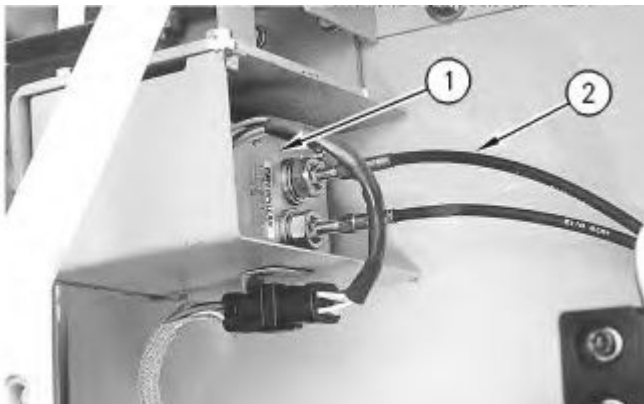


Illustration 1

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Top of the pump compartment

(1) Governor actuator

(2) Accelerator cable

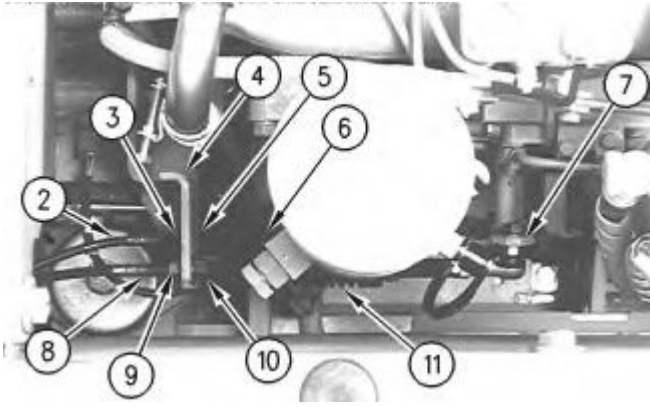


Illustration 2

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Right side of the engine

- (2) Acceleration cable
- (3) Nut
- (4) Support
- (5) Locknut
- (6) Bellows
- (7) Lever
- (8) Deceleration cable
- (9) Nut
- (10) Locknut
- (11) Bellows

1. Calibrate governor actuator (1). Refer to Testing and Adjusting, "Governor Actuator - Calibrate".
2. Stop the engine.
3. Loosen nut (3) and loosen locknut (5) on acceleration cable (2). Continue until these parts come apart as far as possible.
4. Install the tip of acceleration cable (2) on lever (7) .
5. Install the tip of deceleration cable (8) on lever (7) .
6. Insert acceleration cable (2) into support (4).
7. Rotate lever (7) counterclockwise until lever (7) touches a solid stop.

Note: This is the HIGH IDLE position (rabbit).

8. Tighten nut (3) until the sag in bellows (6) is eliminated. Be careful not to move lever (7). Tighten nut (3) by two turns.

Note: The HIGH IDLE position may not be achieved if nut (3) is not properly tightened. There is an excessive load on the governor actuator (1) when acceleration cable (2) is overtightened.

9. Attach acceleration cable (2) to support (4) by tightening locknut (5). Do not allow acceleration cable (2) and nut (3) to turn.
 10. Insert deceleration cable (8) into support (4) .
 11. Hold lever (7) in position and tighten nut (9) until the sag in bellows (11) is eliminated.
 12. Loosen nut (9) by two turns.
 13. Attach deceleration cable (8) to support (4) by tightening locknut (10). Do not allow deceleration cable (8) and nut (9) to turn.
 14. Calibrate the Proportional Reducing Valve. Refer to Testing and Adjusting, "Proportional Reducing Valve - Calibrate".
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