

TM10268 - 700J Crawler Dozer

000091.03 — Throttle Sensor Short to Power

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The signal voltage from the engine speed control is more than 4.95 volts.

Engine Speed Control Voltage Short to Power Diagnostic Procedure

Alarm Level:

Check Service Code

1 Code Check

Action:

Check for active codes. [See Standard Display Monitor \(SDM\) Menu Structure—Service Mode](#) . (Group 9015-20.)

Is TCU code 000620.03 still present?

Result:

YES: Repair code 000620.03 first. See 000620.03—[Sensor Supply Short to Power](#) . (Group 9001-30.)

NO: [Go to Component Check](#) .

2 Component Check

Action:

Turn key switch OFF.

Disconnect engine speed control (R10). [See Main Cab/Canopy Harness \(W5\) Component Location](#) . (Group 9015-15.)

Turn key switch ON.

Is TCU code 000091.03 still present?

Result:

YES: [Go to Short Circuit Check](#) .

NO: Replace engine speed control (R10). Calibrate TCU. [See Transmission Control Unit \(TCU\) Calibration](#) . (Group 9015-20.)

3 Short Circuit Check

Action:

Turn key switch OFF.

Disconnect the engine speed control (R10).

Turn key switch ON.

Check voltage at pin B (wire T09 BLU) on engine speed control connector. [See Main Cab/Canopy Harness \(W5\) Wiring Diagram](#) . (Group 9015-15.)

Is there voltage present?

Result:

YES: Short to power between pin B on engine speed control connector and pin G2 on TCU connector (X1). Repair or replace harness. [See Main Cab/Canopy Harness \(W5\) Wiring Diagram](#) . (Group 9015-15.)

NO: [Go to Reprogram Controller](#) .

4 Reprogram Controller

Action:

Reprogram transmission control unit (TCU) (A1).

Check for active codes.

Is TCU code 000091.03 still present?

Result:

YES: Replace controller.

NO: Checks complete.