

**X1 DIAGNOSTIC TROUBLE CODE (DTC) P1283: CHECK POWER FEED**

- DTC P1283 indicates an IPR circuit failure was detected by the PCM.
- Key off.
- Remove IPR harness connector.
- Remove PCM relay.
- Measure resistance between IPR connector Pin A and PCM relay terminal 361 (R).

**Is resistance less than 5 ohms?**

Yes	No
GO to <a href="#">X2</a> .	SERVICE open Circuit 361 (R). RERUN Scan Tool Diagnostic Test.

**X2 CHECK IPR COIL RESISTANCE**

- Measure resistance of IPR coil.

**Is resistance 5 to 20 ohms?**

Yes	No
GO to <a href="#">X3</a> .	REPLACE IPR. RERUN test.

**X3 IPR CONTROL CIRCUIT SHORT TO POWER OR GROUND**

- Install breakout box. Leave PCM disconnected.
- Leave IPR disconnected.
- Key off.
- Measure resistance between Test Pin 83 and Test Pins 71 and 97.
- Measure resistance between Test Pin 83 and Test Pins 25, 51, 76, 77 and 103.

**Is resistance greater than 10,000 ohms?**

Yes	No
GO to <a href="#">X4</a> .	REPAIR short in Circuit 552 (Y/R). RERUN Scan Tool Diagnostic Test.

**X4 IPR HARNESS CONTROL CIRCUIT — RESISTANCE**

- Install breakout box. Leave PCM disconnected.
- Measure resistance between PCM Pin 83 and Point B in the IPR regulator harness connector.

**Is resistance less than 5 ohms?**

Yes	No
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REPLACE PCM. RETEST.

SERVICE open Circuit 552 (Y/R). RERUN test.