

DF: Vehicle Speed Circuit (VSC) Check

 **WARNING:** Strict observance of posted speed limits and driving conditions is mandatory when proceeding through the following drive cycles.

Failure to follow these instructions may result in personal injury.

This pinpoint test is intended to diagnose the following:

- PCM (12A650)

DF1 CHECK FOR DTCS
Is DTC U0121 present?

Yes	REFER to the Workshop Manual Section 206-09, Vehicle Dynamic Systems, Symptom Charts, No communication with the ABS module.
No	GO to DF2 .

DF2 VISUAL INSPECTION

- Carry out the ABS self-test.

Are any DTCs present?

Yes	REFER to the Workshop Manual Section 206-09, Vehicle Dynamic Systems, to continue diagnosis of the ABS.
No	GO to DF3 .

DF3 CHECK THE PCM VEHICLE SPEED SIGNAL INPUT

 **WARNING:** Strict observance of posted speed limits and attention to driving conditions are mandatory when carrying out the road test. Failure to follow these instructions may result in personal injury.

- Access the PCM and monitor the VSS (SPD) PID.
- Road test the vehicle while monitoring the VSS PID.

Does the VSS PID increase and decrease while driving?

Yes	The concern is not present at this time. CHECK for a loose connection, and damaged or corroded pins. WIGGLE the harness attempting to recreate the concern. REPAIR as necessary. Clear the PCM DTCs. REPEAT the self-test.
No	GO to DF4 .

DF4 CHECK FOR CORRECT PCM OPERATION

- Disconnect all the PCM connectors.
- Visually inspect for:
 - pushed out pins
 - corrosion
- Connect all the PCM connectors and make sure they seat correctly.
- Carry out the PCM self-test.
- Verify the concern is still present.

Is the concern still present?

Yes	INSTALL a new PCM. REFER to Section 2, Flash Electrically Erasable Programmable Read Only Memory (EEPROM) , Programming the VID Block for a Replacement PCM.
No	The system is operating correctly at this time. The concern may have been caused by a loose or corroded connector.

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