



DTC 12, 14, 16, 18: Wheel Sensor (Electrical Noise/Intermittent Interruption)

- With the ignition switch ON (II), the ABS indicator does not go off.
- With the SCS service connector connected (see page 19-119), DTCs 12, 14, 16, or 18 are indicated.

NOTE: If the ABS indicator comes on for the reasons described below, the indicator should go off when you test-drive the vehicle at speeds above 19 mph (30 km/h).

- Only the drive wheels rotated
- The vehicle spun
- Electrical noise

DTC	Appropriate Wheel Sensor
12	Right - front
14	Left - front
16	Right- rear
18	Left - rear

Visually check for appropriate wheel sensor and pulser installation (see table).

Are they installed correctly?

NO

Reinstall or replace the appropriate wheel sensor or pulser.

YES

Check for a short to wire in the one wheel sensor circuit:

1. Disconnect the ABS control unit 22P connector.
2. Measure the resistance between the appropriate wheel sensor (+) and (-) circuit terminals (see table).

DTC	Appropriate Terminal	
	(+) Side	(-) Side
12 (Right-front)	No. 9: FRW (+)	No. 8: FRW (-)
14 (Left-front)	No. 7: FLW (+)	No. 6: FLW (-)
16 (Right-rear)	No. 19: RRW (+)	No. 20: RRW (-)
18 (Left-rear)	No. 17: RLW (+)	No. 18: RLW (-)

Is there less than 450 Ω ?

YES

Repair short to wire between the appropriate wheel sensor (+) and (-) circuits.

NO

Check for a short to another wire in the wheel sensor circuits:

Check for continuity between the appropriate wheel sensor (+) circuit terminal and other wheel sensor (+) circuit terminals (see table).

DTC	Appropriate Terminal	Other Terminal		
12 (Right-front)	No. 9: FRW (+)	No. 7: FLW (+)	No. 19: RRW (+)	No. 17: RLW (+)
14 (Left-front)	No. 7: FLW (+)	No. 9: FRW (+)	No. 19: RRW (+)	No. 17: RLW (+)
16 (Right-rear)	No. 19: RRW (+)	No. 9: FRW (+)	No. 7: FLW (+)	No. 17: RLW (+)
18 (Left-rear)	No. 17: RLW (+)	No. 9: FRW (+)	No. 7: FLW (+)	No. 19: RRW (+)

Is there continuity?

YES

Repair short to wire between the appropriate wheel sensor and the other wheel sensor.

NO

Erase the DTC and test-drive the vehicle. If ABS indicator comes on and same DTC is indicated, replace the ABS control unit.