



Figure 12L-109

## DTC 21 - RIGHT HAND FRONT WHEEL SPEED SENSOR FAULT

### CIRCUIT DESCRIPTION:

The toothed pulse ring wheel inside the front hub assembly generates a voltage pulse at it moves past the wheel speed sensor; each tooth - gap - tooth on the pulse ring generates these pulses.

The frequency of these pulses is used by the ABS control module to determine wheel speed.

DTC 21 represents a low sensor output voltage.

If a failure is detected which causes DTC 21 to set, ABS is disabled and the control module illuminates the ABS 'OFF' warning lamp for the remainder of the ignition cycle. If the failure is intermittent, the control module will enable the system at the next ignition cycle and a history DTC 21 will be present.

### Test Description:

Number/s below refer to circled number/s on the facing page diagnostic chart

1. This test checks if there is a speed signal output from the sensor.
2. This test checks for connector or wiring problems which may cause an intermittent condition.
3. This test determines whether the DTC was set by an intermittent condition or a control module fault.
4. This test checks for voltage drops in the wheel sensor wiring which could cause lower than specified sensor output voltage.