

## CITROEN Xsara Bosch 5.3 system

### SELF-DIAGNOSIS

General information:

- ECU includes self diagnostic function.
- In the event of a system failure the ABS warning light will come on.
- Trouble codes can be obtained by using a suitable code reader connected to the data link connector(DLC) or diagnostic socket(fig 1).

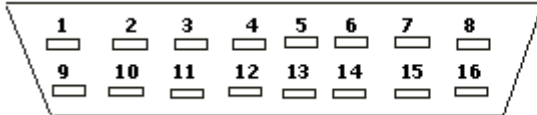


fig 1(rough sketch)

### FAULT CODE IDENTIFICATION

Fault code	Fault location
1	Pump motor
2	System relay
2	Pump motor relay
3	Left rear, wheel speed sensor
4	Left rear-signal, wheel speed sensor
5	Right front, wheel speed sensor
6	Right front-signal, wheel speed sensor
7	Right rear, wheel speed sensor
8	Right rear-signal, wheel speed sensor
9	Left front, wheel speed sensor
10	Left front-signal, wheel speed sensor
11	Left rear, hydraulic modulator solenoid valve
12	Front right, hydraulic modulator solenoid valve
13	Right rear, hydraulic modulator solenoid valve
14	Left front, hydraulic modulator solenoid valve
15	Wheel speed sensor toothed rings
16	Brake pedal position (BPP)switch
17	ECU(Electronic control unit)
18	Battery voltage

### WARNING LAMP

Correct operating sequence:

- Turn ignition on
- Lamp switches on
- Lamp goes out after approximately 2 seconds.

### GENERAL TEST PROCEDURES

When doing these make sure correct test probes are used to avoid damaging the ECU harness multi-plug terminals.

Warning lamp circuit

The ECU harness multi-plug may contain a switch function so, if disconnected, the warning lamp will switch on.

### HOW TO CHECK(refer to fig 2)

- Switch the ignition on.
- Make sure warning lamp comes on.

- If it doesn't, switch off ignition.
- Check the fuses.
- Disconnect the ECU multi-plug.
- Switch the ignition back on.
- Check warning lamp comes on.
- If it doesn't, switch off ignition.
- Bridge the harness multi-plug terminals 19 & 21 for 1997 to 98 models.
- Bridge the harness multi-plug terminals 19 & 20 for 1999 onwards models.
- Switch the ignition back on.
- check if the warning lamp comes on.
- If it doesn't again, switch the ignition off again.
- Now check the wiring and bulb.

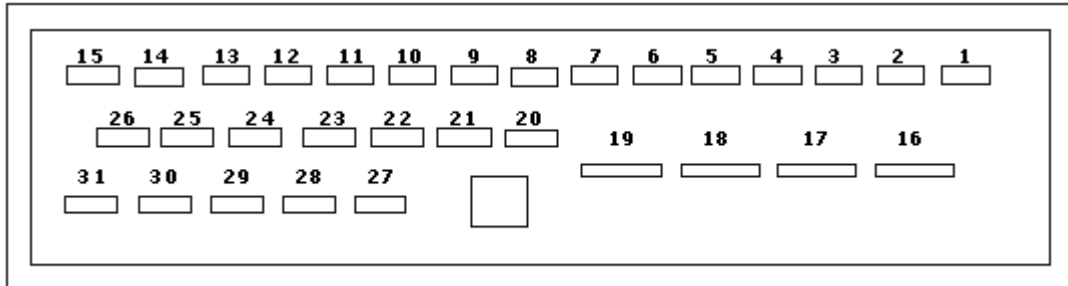


fig 2 (rough sketch)