

ABS FAULT DIAGNOSIS

If a fault has occurred, or has been identified by the ECU self diagnostic function and the ABS warning light is illuminated, the system and components must be checked to locate and rectify the fault, enabling the faulty component or harness to be replaced.

NOTE: If the warning lamp has indicated a fault in the system, and no fault code has been stored in the memory, the cause of the fault is:

- a) Failure in electrical supply
- b) Loss of hydraulic pressure
- c) Faulty pressure switch
- d) Bad ECU earth
- e) Faulty warning light relay
- f) System not fully charged before driving away
- g) ECU not connected

Before commencing the fault diagnosis procedure the following items must be checked:

1. Inspect all exposed cables for damage or abrasion.
2. Check earths on ABS system.
3. Battery - state of charge.
4. Fluid level in reservoir.
5. All ABS fuses and electrical connections.
6. Check hub end-float.

Fault rectification

1. The complete harness must be replaced if faults are found in the wiring harness.
2. DO NOT use unspecified cables or connectors, as this could jeopardise the safe function of the ABS.
3. DO NOT attempt to open the sealed 35 way connector to ECU.

Recommended equipment

Wabco diagnostic controller
- 446 300 300 0

FAULT DIAGNOSIS PROCEDURE

If diagnostic equipment is not available the following procedure can be carried out using the 'Blink Code' and a multi-meter. Faults are stored in the ECU memory in code form. The information can be retrieved by initiating and reading a series of flash and pause sequences on the ABS warning light.

Use of the blink code will determine the location of the fault prior to carrying out a multi-meter check, thus reducing multi-meter checking time.

Additionally the blink code can be used exclusively where a fault has occurred, and no other diagnostic equipment is available.

Recommended equipment

A female plug to fit the diagnostic plug, prewired to connect ECU pin 14 to earth by bridging the black/pink and black diagnostic plug wires.

To initiate the blink code carry out the following procedure:

1. Switch off ignition.
2. Remove the seat side trim to gain access to the ECU and relays, and on early vehicles the diagnostic plug. Unclip the access plate from the seat base front trim panel. Pull the blue diagnostic plug from its clip through the opening. Note that the diagnostic plug and fuse condition on early vehicles is shown in RR2742M.



