

TECHNICAL BULLETIN



MODEL/DERIVATIVE:
Freelander

Bulletin N°: 0009
CDS. ref: L8636bu
Issue: 1
Date: 11.04.01

AFFECTED RANGE:

**All derivatives with ABS in VIN ranges: WA 600000 to YA 699999
YA 500000 to YA 562913**

PROBLEM:

ABS WARNING LIGHT ILLUMINATED

The customer reports seeing the ABS warning light illuminated.

CAUSE:

Signals detected within the ABS have been interpreted as faults by the ECU diagnostics.

ACTION:

Where a customer has reported seeing ABS warning light illumination, T4/TestBook must be used to establish whether a fault code has been stored within the ABS ECU. The appropriate checks as described below must then be carried out.

Refer also to the Workshop Manual, Brakes Section - Operation - Diagnostics.

In case of the following Fault Codes being detected, carry out the checks below:

FAULT CODE	DESCRIPTION
01.6	Shuttle valve switch failure
11.1	Shuttle valve single switch sticking

- **Master cylinder functionality**
- **ABS modulator earth connection**
- **ABS ECU earth connection**
- **Modulator shuttle valve switches functionality**

If no fault can be identified, confirm the ABS ECU Channel Mask and Safety Mask Numbers by carrying out the following procedure using T4/TestBook:

- **Select: Freelander ABS**

After T4/TestBook has checked the communications and diagnostics cable it will display the ECU Channel Mask and Safety Mask numbers.

If the Channel Mask number is less than 5 and/or the Safety Mask Number is less than 3, replace the ABS ECU with new ECU part number SRD100481.

Refer to Workshop Manual repair number 70.65.01 for ECU replacement procedure.

PARTS INFORMATION:

	Old Part No	New Part No
ECU - Anti-Lock Braking System	SRD100480	SRD100481

WARRANTY CLAIMS:

Use Complaint Code: 7N8A

Use S.R.O.: 70.90.89/26 Carry out preliminary electrical and mechanical checks using T4/TestBook as required

Time allowance: 0.30Hrs

Use S.R.O.: 70.65.01 ABS ECU - renew

Time allowance: 0.30Hrs

Any additional repairs carried out as the result of problems identified during the diagnostic procedure should be claimed in the usual way, referring to Repair Times Searcher (RTS) for relevant SRO details.