

TECHNICAL INFORMATION



BCU Installation Procedure

No: 86/03/01/NAS
Ref:
Issue: 1
Date: 03/23/01

AFFECTED VEHICLE RANGE:

Discovery Series II (LT)

All vehicles

SITUATION:

REPLACING BCU IN A DISCOVERY SERIES II VEHICLE

Failure to use this procedure to install a replacement BCU in a Discovery Series II vehicle could result in incorrect vehicle programming and enabling of non-NAS features such as Passive Immobilization, EKA, or Fuel Burning Heater.

RESOLUTION:

VERIFY COMPLAINT AND INSTALL NEW BCU

If it has been established that a new BCU needs to be fitted, the procedure in this TIB *must* be followed.

PARTS INFORMATION:



NOTE: Until further notice, Prior Authorization for replacement of the BCU is required. Only special orders placed with the Land Rover HelpLine will be processed. Call 1-800 562 5824

YWC000310Body Control ECU (BCU) (96 hour lockout. See TIB 86/01/01/NAS)
YWC000010Body Control ECU (BCU) (8 hour lockout)

WARRANTY CLAIMS:

86.55.75 Time 0.50 hrs.
Install new BCU

FAULT CODE: A

Normal warranty policy and procedures apply

TIB 86/03/01/NAS	CIRCULATE: TO	Service Mgr X	Warranty X	Workshop X	Body Shop X	Parts X
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REPAIR PROCEDURE


 **CAUTION:** When replacing a BCU, ALWAYS use this TIB procedure for the installation. This will ensure that the correct software is loaded. NEVER copy data from the original BCU.

DISCOVERY SERIES II BCU INSTALLATION PROCESS

1. Look on InfoTrail for PLIP bar codes or if required, contact the LRNA HelpLine.
2. Verify that vehicle is unlocked, and alarm is disarmed.
3. Disconnect vehicle battery.

 **NOTE:** The BCU is located behind the glovebox on the passenger side of a Discovery Series II.

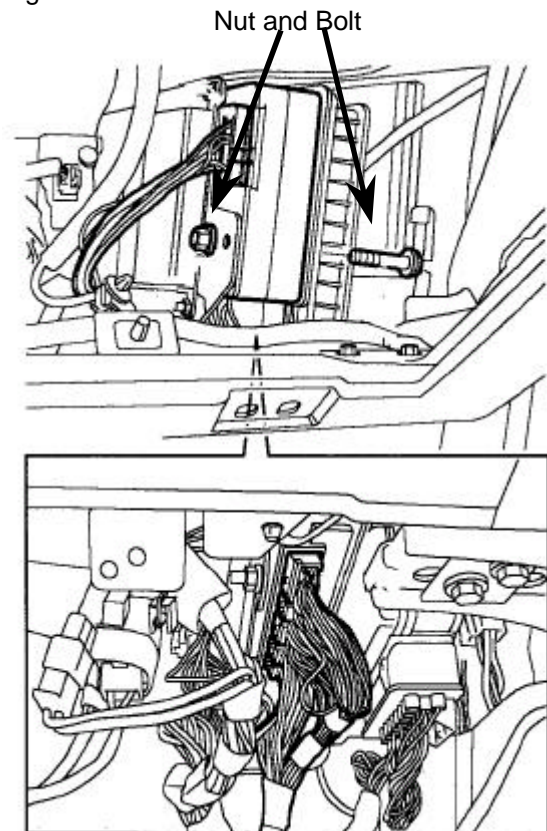
4. Remove trim clips ("fir trees") and remove lower trim panel above passenger footwell.
5. Disconnect four connectors on BCU accessible through the trim panel.
6. Open the glovebox and lower completely.
7. Disconnect power connector on BCU.
8. Remove nut and bolt (10mm) securing BCU into bracket assembly. (Figure 1)
9. Remove BCU.
10. Install new BCU.
11. Reconnect vehicle battery.

 **CAUTION:** Use only TestBook disk DRG011(T) or later. No gold disks may be used for this purpose.

PROGRAM BCU USING TESTBOOK

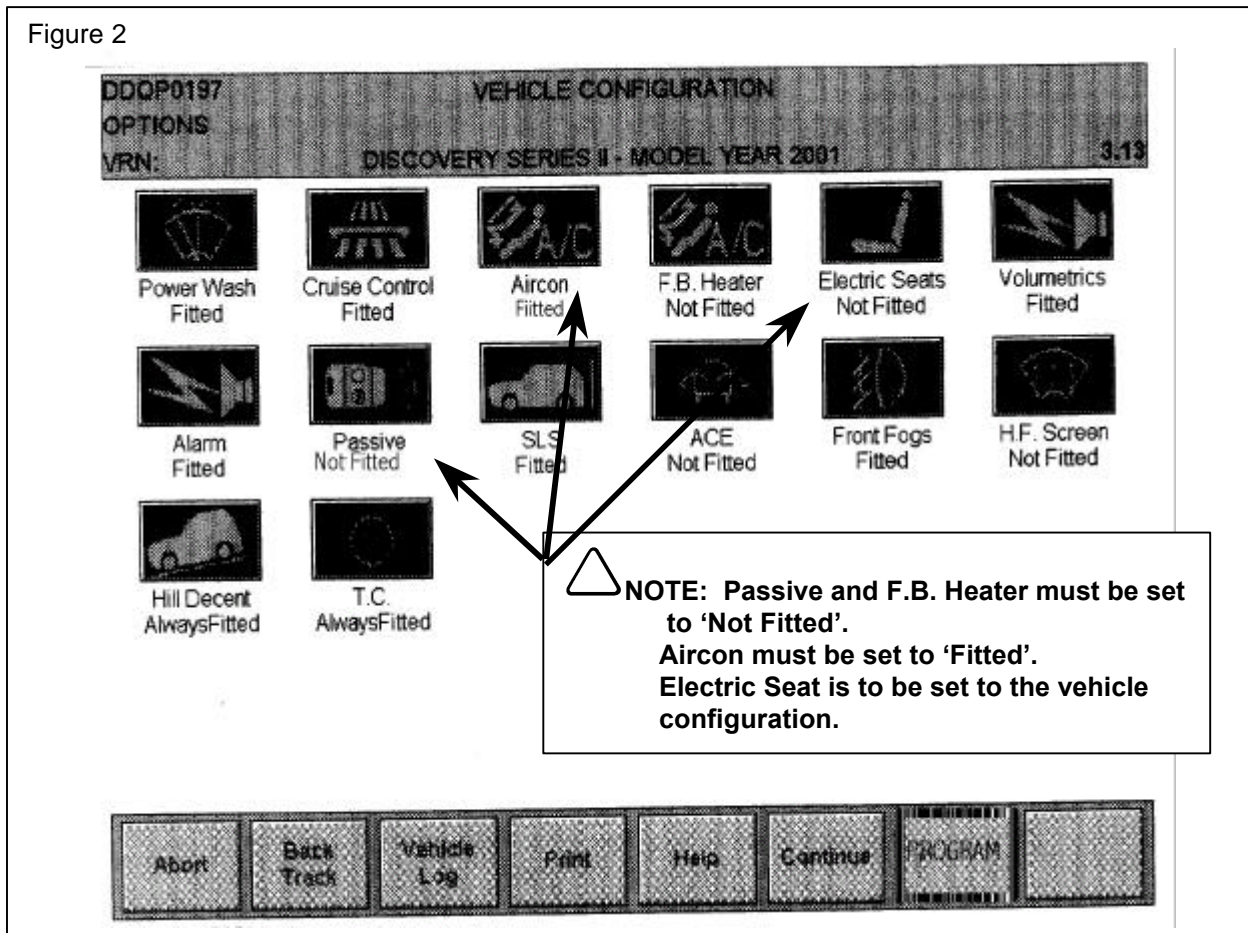
1. Connect TestBook to vehicle.
2. Turn on ignition key to position II (Ignition).
3. Follow instructions on the TestBook screen.
4. Select "Diagnostic System."
5. Enter VIN and Model.
6. Select "Vehicle Configuration."
7. TestBook will display the message "The BCU is not programmed."
8. Press "Continue." TestBook will now begin the programming process.

Figure 1



△ **NOTE:** TestBook will display a page of buttons for each selectable vehicle option on the Vehicle Configuration Page. Figure 2 shows the displayed selectable buttons.

Figure 2



9. Press each button as necessary to toggle options on and off.
10. Verify that "Passive Immobilization" and "F.B. Heater" are toggled to the "NOT FITTED" status.



CAUTION: Look at the buttons very carefully before pressing "Program." Some features are not configurable after this point, for example Passive Immobilization.

11. When the configuration is correct press "Program."
12. Select the USA or Canadian market, as appropriate from selection offered by TestBook.
13. Verify vehicle is not set into transit mode.
14. Reprogram plips using barcodes obtained from InfoTrail or supplied by the Land Rover HelpLine.
15. Within the "Dealer Configuration" screen, select any dealer configurable items within the "Class" and "Non-Class" Screens. For example, "Single Point Entry," "SuperLock," or in Canada "Daytime Running Lights."
16. Select "Perform Mobilization Learn" to resynchronize the rolling immobilization code between the Engine Management System and the BCU.
17. Verify that vehicle is not in transit mode, check that odometer is updated correctly, and that all options are configured correctly.