

1. GENERAL DESCRIPTION

A Body Control Module (BCM) combines into one central module, the control or assist of various vehicle electrical systems or features, rather than having individual modules for each system or feature.

Low Series BCMs are fitted as standard equipment on all VS Series Utility, Executive, Acclaim, S and SS Models.

NOTE: Three levels of Low Series BCM have been released, a 'UTE' level for Base Utility, 'LOW' level for vehicles without power operated windows and a 'MID' level for vehicles with power operated windows. If a service operation or diagnostic procedure requires that a Low Series BCM must be replaced, ensure that the correct BCM level is reinstalled for the particular level of vehicle.

IMPORTANT: The Low Series BCMs' used on VS and VR Series Models are not interchangeable due to differences in terminal assignments and vehicle wiring.

Fig. 12J-1-1 illustrates the identification details for the Low Series BCMs. External identification can be made by referring to the last three digits of the BCM part number.

A specific VS/T4 SYSTEMS cartridge has been developed for use with the TECH 1 diagnostic scan tool to assist with various vehicle electrical system fault finding, including the various BCM functions and controls.

TECH 1 connection for the Low Series Yazaki BCM serial communication data is via the Data Link Connector (DLC), attached to the instrument panel lower right hand trim, to the left of the steering column, refer Fig 12J-1-2.

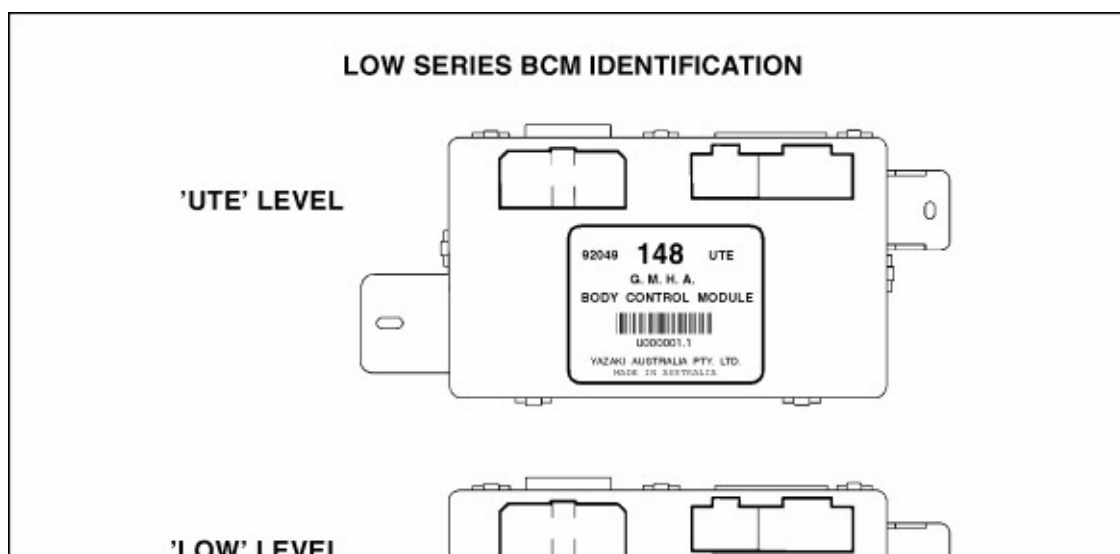
Details of Low Series BCM functions, service operations and diagnosis which differ from VR Series Models are covered in this Section. Where items are not covered in this Section, reference is included where to find the information in the Volume 6 of the VR Series Service Manual.

As on the previous VR Series, the Low Series BCM is located beneath the instrument cluster, to the right of the steering column, refer Fig. 12J-2-2.

| BCM FEATURE | BCM LEVEL | | |
|---|------------|------------|------------|
| | UTE 148 | LOW 150 | MID 146 |
| Central Door Locking | - | + | + |
| Power Window System | - | - | + |
| Dome Lamp Delay Control | + | + | + |
| Wiper Dwell Control | + | + | + |
| Auto Lights Off Control | + | + | + |
| Engine Disable | + | + | + |
| Cruise Control Interface | + | + | + |
| Engine Cooling Low Speed Fan Control - Applicable to V6 Engine Only | + | + | + |

- Not available + Available

Refer to Section [12F, THEFT DETERRENT SYSTEM](#) in this Volume for details of the Engine Disable feature and the vehicle theft deterrent system functions.



LOW SERIES BCM IDENTIFICATION

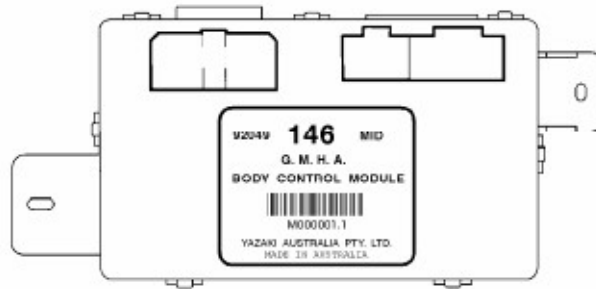
'UTE' LEVEL



'LOW' LEVEL

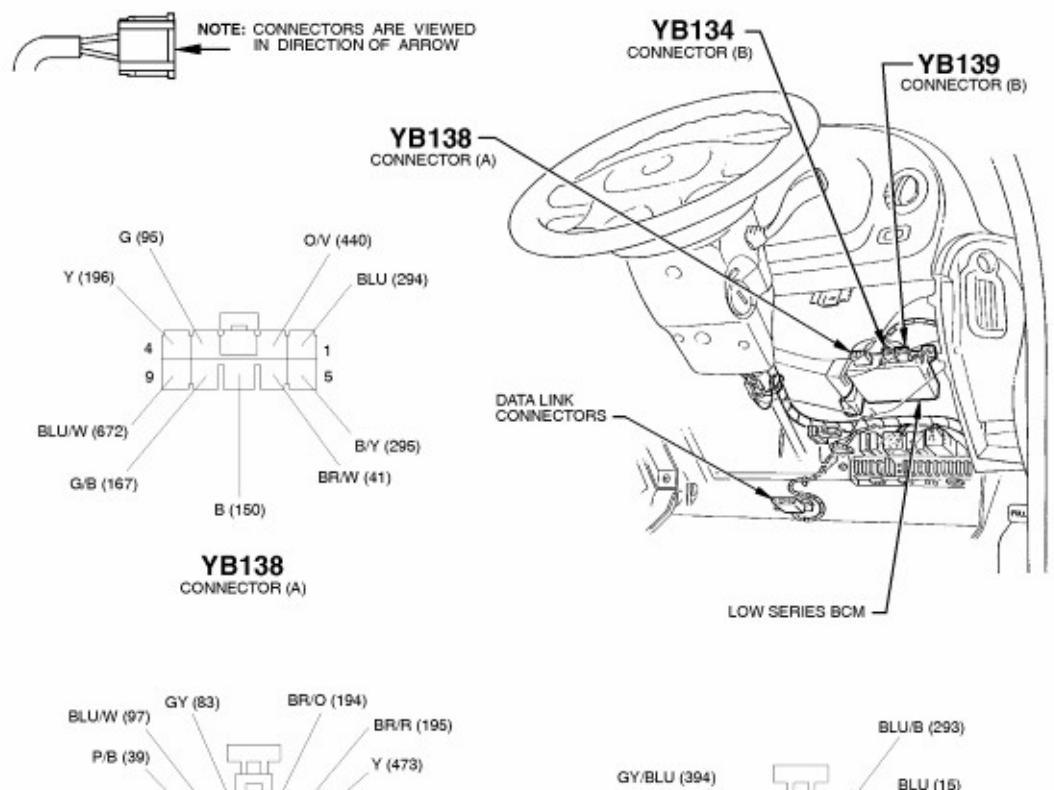


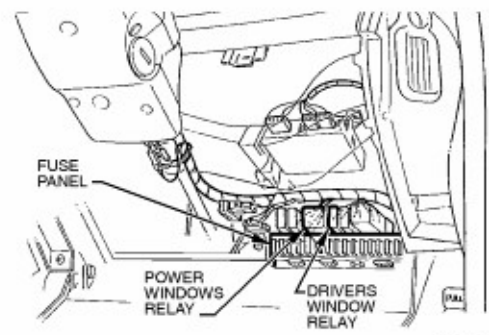
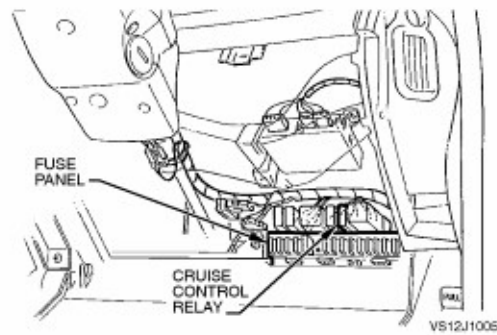
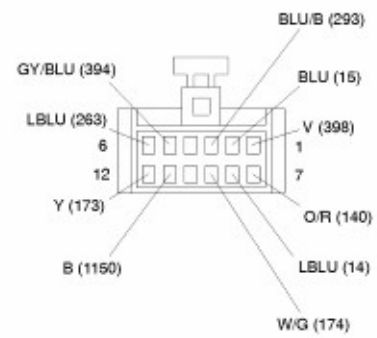
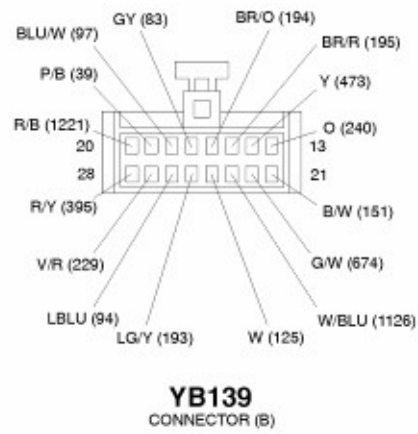
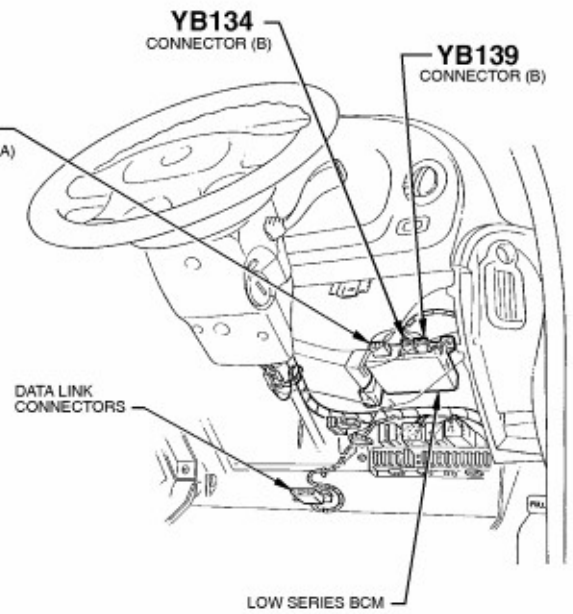
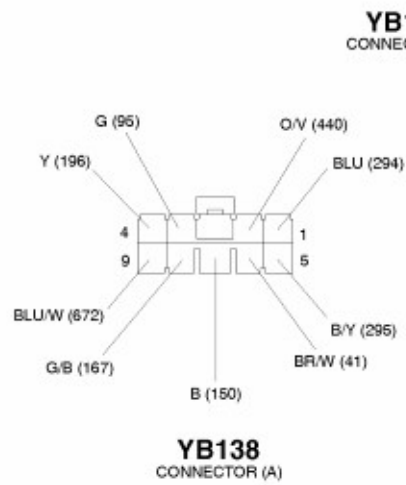
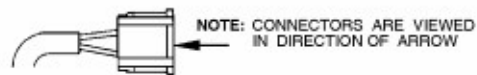
'MID' LEVEL



VS12J1001

Figure 12J-1-1





VS12J1008

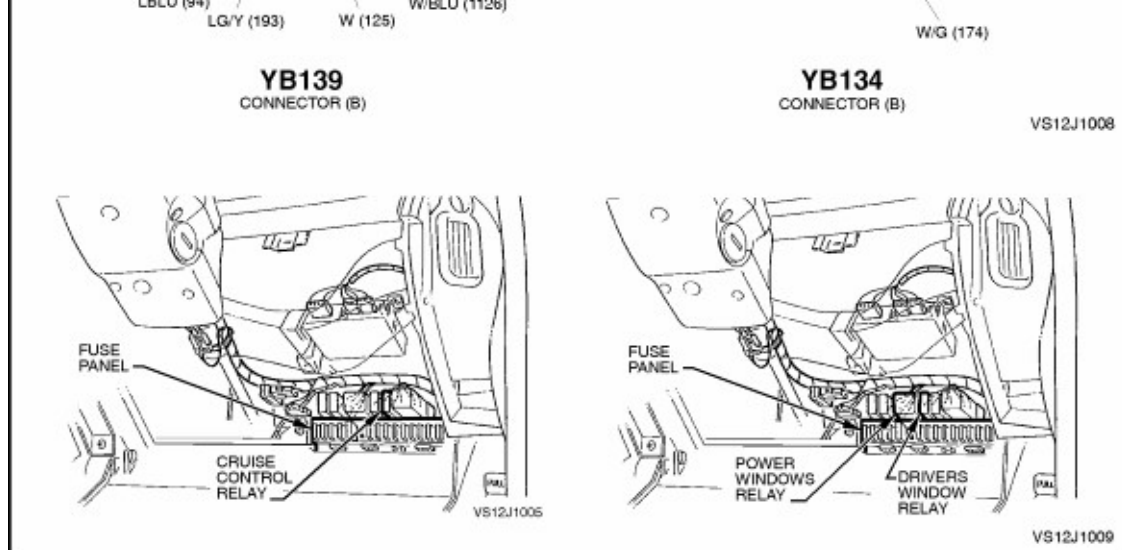


Figure 12J-1-2

LOW SERIES BCM TERMINAL IDENTIFICATION

| YB138 CONNECTOR 'A' | | | |
|---------------------|----------------------------|---------|-------------|
| PIN NO. | DESCRIPTION | CIRCUIT | WIRE COLOUR |
| 1 | DOOR UNLOCK DRIVE | 294 | B/R |
| 2 | DOOR LOCK FEED FUSE F7 | 440 | O/V |
| 3 | WIPER LOW SPEED | 95 | G |
| 4 | WIPER PARK | 196 | Y |
| 5 | DOOR LOCK DRIVE | 295 | B/Y |
| 6 | WIPER FUSE F14 | 41 | BR/W |
| 7 | EARTH - HIGH CURRENT | 150 | B |
| 8 | DRIVERS WINDOW DOWN SWITCH | 167 | G/B |
| 9 | DRIVERS WINDOW UP SWITCH | 672 | BLU/W |

| YB134 CONNECTOR 'B' | | | | YB139 CONNECTOR 'B' | | | |
|---------------------|--------------------------|---------|-------------|---------------------|---------------------------|---------|-------------|
| PIN NO. | DESCRIPTION | CIRCUIT | WIRE COLOUR | PIN NO | DESCRIPTION | CIRCUIT | WIRE COLOUR |
| 1 | CRUISE CONTROL RELAY | 398 | V | 13 | BATTERY - MAIN POWER F23 | 240 | O |
| 2 | RIGHT HAND INDICATOR | 15 | BLU | 14 | LOW SPEED FAN | 473 | Y |
| 3 | DRIVER DOOR UNLOCK DRIVE | 293 | BLU/B | 15 | DOOR LOCK REQUEST | 195 | BR/R |
| 4 | | | | 16 | PASS. DOOR UNLOCK REQUEST | 194 | BR/O |
| 5 | START ENABLE | 1434 | GY/BLU | 17 | CRUISE CONTROL SW. | 83 | GY |
| 6 | THEFT LED | 263 | LBLU | 18 | INT. WIPER SWITCH | 97 | BLU/W |
| 7 | FLASHER FUSE F2 | 140 | O/R | 19 | IGNITION FUSE F10 | 39 | P/B |
| 8 | LEFT HAND INDICATOR | 14 | LBLU | 20 | SERIAL DATA LINK | 1221 | R/B |
| 9 | DOME LAMP DRIVE | 174 | W/G | 21 | ELECTRONIC EARTH | 151 | B/W |
| 10 | | | | 22 | DRIVER WINDOW RELAY | 674 | G/W |
| 11 | HEADLAMP CONTROL | 1150 | B | 23 | DRIVER DOOR SWITCH | 1126 | W/BLU |
| 12 | POWER WINDOW RELAY | 173 | Y | 24 | PASS. DOOR SWITCH | 125 | W |
| | | | | 25 | DOOR UNLOCK REQUEST | 193 | W |
| | | | | 26 | WASHER SWITCH | 94 | LBLU |
| | | | | 27 | KEY READER INPUT | 229 | BR/G |
| | | | | 28 | DEADLOCK REQUEST | 395 | R/Y |

