BA Falcon Wiring Diagrams

Group 1 – General Information

Group 2 – Chassis

Group 3 – Powertrain

Group 4 – Electrical

Group 5 – Body and Paint

Group 7 – General Wiring Information

Introduction

Schematics

The wiring circuits shown in this section represent the various electrical components, with the relevant wiring connections and the colour codes used.

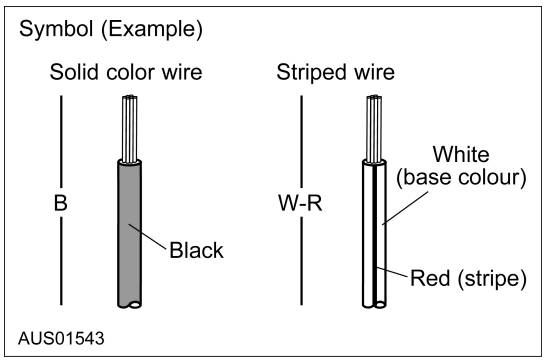
To enable a particular wire to be followed more easily or to make provision for reference to the same wire illustrated in another wiring diagram each wire circuit is numbered.

Joining blocks, plugs and terminals accompany each schematic (where applicable) and are shown as viewed from the mating surface end. A description of the area where the connection is made is also provided.

In addition to the schematics provided, illustrations have been included which highlight the relative position of the harness in the vehicle body.

Wire Colour Code (Harness Symbol)

- Two-colour wires are indicated by a two-letter symbol. The first indicates the base colour of the wire, the second the colour of the stripe. For example:
  - W-R is a white wire with a red strip
  - BR-Y is a brown wire with a yellow strip



B	BLACK
BR	BROWN
GR	GREY
L	BLUE
R	RED
W	WHITE
Y	YELLOW
G	GREEN
O	ORANGE
P	PINK
V	VIOLET
SB	SKY BLUE
LG	LIGHT GREEN
T	TAN

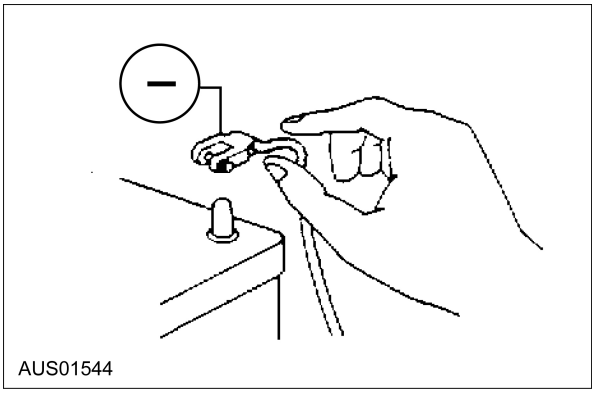
eg. GR.....GREY
G-R.....GREEN-RED
BR-Y.....BROWN-YELLOW

Troubleshooting

Precautions to take when servicing an electrical system

NOTE: The following items when servicing the electrical system.

- Do not alter the wiring or electrical equipment in any way; this may damage the vehicle or cause a fire from shortcircuiting a circuit or overloading it.
- The negative (-) battery cable must be removed first and installed last.



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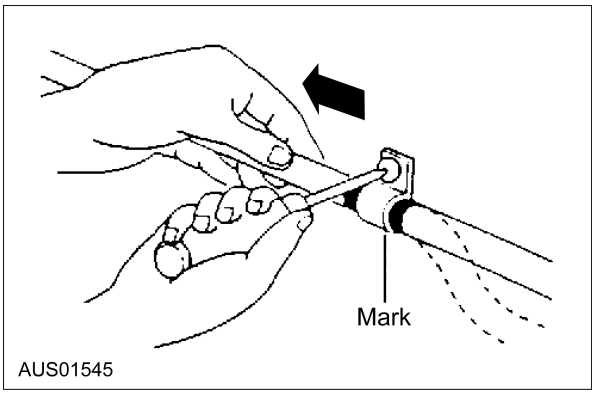
⚠ CAUTION: Be sure that the ignition and other switches are off before disconnecting or connecting the battery cables. Failure to do so may damage the semiconductor components.

- Secure harnesses with provided clamps to take up slack.



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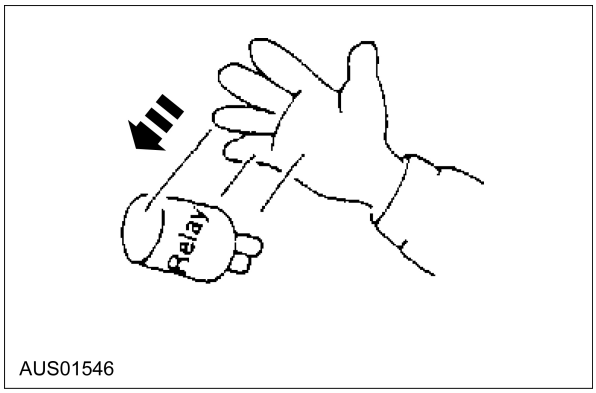
⚠ CAUTION: Clamp all harnesses near vibrating components (for example, the engine) to remove slack and to prevent contact resulting from vibration.

- Do not handle electrical components roughly or drop them.



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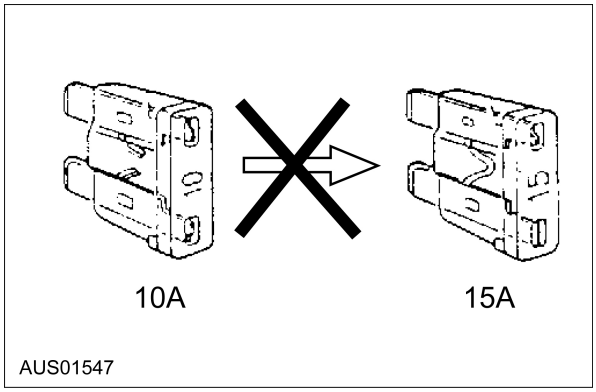
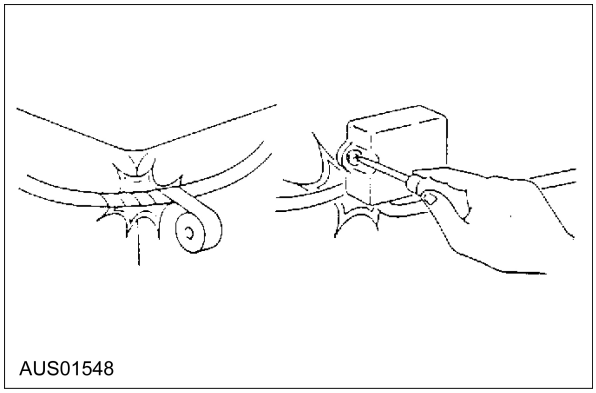
- Do not replace with fuses exceeding specified capacity.



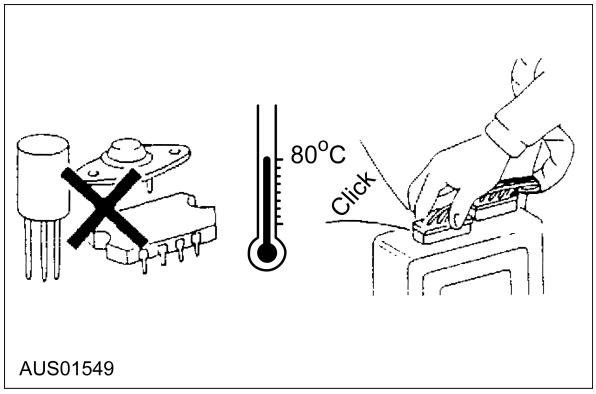
AUS01547

⚠ CAUTION: Replacing a fuse with one of a larger capacity than designated may damage components or cause a fire.

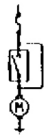
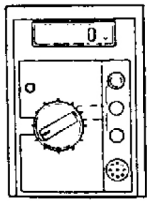
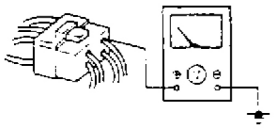
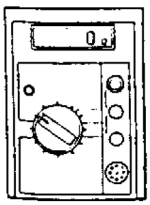
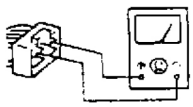
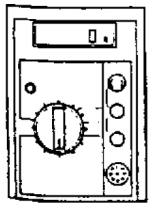
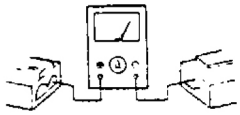
- Tape areas of the harness that may rub or bump against sharp edges to protect it from damage.
- When mounting components, be sure the harness is not caught or damaged.


AUS01548

- Disconnect heat-sensitive parts (for example, relays and ECU) when performing maintenance (such as welding) where temperatures may exceed 80°C (176°F).
- Make sure that the connectors are securely connected when installed.

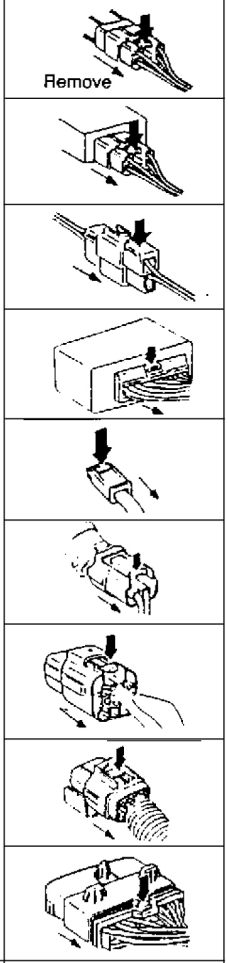
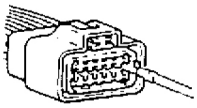
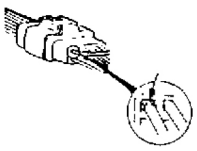
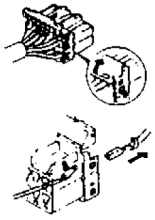
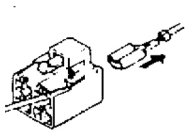
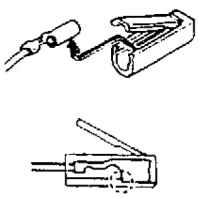
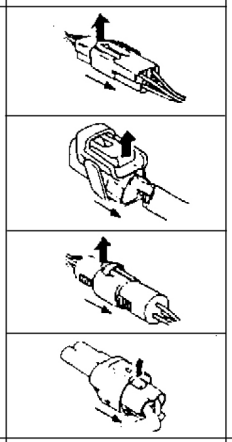
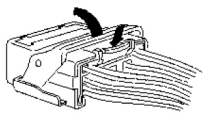


Using Electrical Measuring Equipment

Equipment	Use	Operation	Handling Precautions
Jumper wire 	Used to create a temporary circuit.	• Connect the jumper wire between the terminals of a circuit to bypass a switch. 	• Do not connect the jumper wire from the power source line to a ground; this may cause burning or other damage to harnesses or electronic components.
Voltmeter 	Used for measuring the voltage of a circuit to find possible opens or shorts.	• Connect the positive (+) probe to the point where voltage is to be measured and the negative (-) probe to a ground. 	• Connect the voltmeter in parallel with the circuit. • Set the range to the desired voltage. • Use the service hole when measuring the voltage at the diagnosis connector. • Tie a thin wire to the positive (+) probe to access narrow terminals.
Ohmmeter 	Used to find opens and shorts in the circuit, to confirm continuity and to measure resistance.	• Zero the ohmmeter. • Verify that voltage is not applied to the circuit. • Connect the probes between two Points in a circuit. 	• Zero the meter after switching to the measuring range. • Before using the ohmmeter, make sure the ignition switch is off or the negative (-) battery cable is disconnected to prevent burning or otherwise damaging the ohmmeter.
Ammeter 	Used to check alternator output, current supplied to the starter, and dark current within a circuit. Note Dark current is the constant flow of current while the ignition switch is OFF.	• Connect the ammeter in series with the circuit by touching the positive (+) probe to the power-side terminal and the negative (-) probe to the ground-side terminal. 	• Set the range to the desired amperage. • Connect the ammeter in series with the circuit. The ammeter may be burned or otherwise damaged if it is connected in parallel.

AUS01550

Handling Connectors

Connector Removal	Checking Connector Contacts	Checking for loose Terminals	Replacing Terminals
Push type 	**Caution** Be sure to grasp the connectors, not the wires, when disconnecting them. **Caution** Improperly engaged connectors will cause poor terminal contact.  When using a matching male terminal, make sure there is no looseness in the female terminal.	Caution A loose terminal will cause poor terminal contact.  Make sure the terminals are not pushed out of the connector when engaged. 	 1. Raise the rear cover. 2. Lift the tab with a thin piece of metal and remove the terminal. <General connector>  Lift the tab with a thin piece of metal and remove the terminal. <Round connectors>  1. Raise the cover. 2. Lift the terminal to remove it. 3. Make sure the terminal is securely mounted in the connector when installing.
Pull-up type 		Pull lightly on individual wires to check that they are secured in the terminal.	<Common ground connectors> 1. Raise the cover. 2. Remove A. 3. Lift the tab with a thin piece of metal and remove the terminal.
Lever Type 	Press tab down to release and lift lever.		Lift lock and raise tab with a thin piece of metal to remove terminal.

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