EMERGENCY OVER-RIDE SWITCH
DUAL BATTERY ISOLATOR
INSTRUCTIONS

IMPORTANT
Do not use any type of corrosion inhibiting spray on any part of this unit. This unit is hermetically sealed so does not require any other form of sealing. The studs have been tinned to inhibit corrosion.

ENSURE CORRECT BATTERY SIZING
The charging system must be correctly sized to the batteries. If the charging system is too small for the batteries the Isolator Module will not function correctly.

Alternator Vs battery capacity:

Alternator Size	Max Auxiliary Battery
10 Amp	60 AH GRP 22
16 Amp	85 AH GRP 24
25-35 Amp	85-100 AH GRP 27
50-60 Amp	100-130 AH GRP 31
80-90 Amp	130-220 AH GRP 80

How the Isolator module works:
Two Position Switch
With the switch in the Ø position the isolator is in normal operation. Once the voltage of the starting battery rises above 13.3V DC, the isolator switches to charge both batteries in parallel, when the voltage drops below 12.8V DC the isolator disengages.
With the switch in the 1 position the auxiliary battery is now in parallel with the main cranking battery and can be utilised for additional cranking power or to start the vehicle if the cranking battery has failed.

Warranty Information

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Manufactured and packaged for
SUPER CHEAP AUTO PTY LTD
ABN: 64 085 395 124
751 Gympie Road, Lawnton, QLD,
4501, Australia
MADE IN CHINA

www.supercheap.com.au

0009-19

RIDGE RYDER 4X4 ACCESSORIES

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Installing

1 - Locate a suitable position for the isolator in the engine bay, as close to the starting battery as possible. The unit is hermetically sealed against water and dust, but avoid areas of extreme heat and moisture to maximise the service life of the unit. The LED on the top of the unit should be visible to determine operation status and to allow access to the over-ride switch.

2 - Remove base plate from isolator and connect battery cables to the studs as per the wiring diagram. **Note: the stud for the positive lead to the starting battery has a red dot on the end.** 10mm^2 or 8 B&S gauge cable should be the minimum size used, bigger is better to prevent voltage drop.

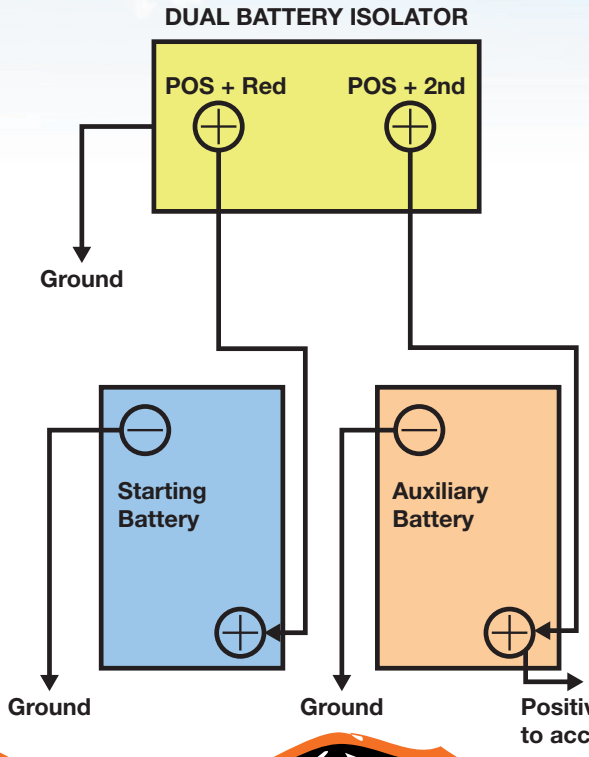
3 - Replace the base plate (optional) and attach the unit to the vehicle in your chosen location

4 - Connect the small earth wire to an appropriate earthing point. A good connection to earth is essential, make sure to clean away any dirt or grime from the connection point.

5 - Connect the cables to the starting and auxiliary batteries, make sure those batteries are earthed, and your isolator is ready to go.

Installation Hotline: Need some help?
Call our expert on 1800 763 878

WIRING DIAGRAM



RIDGE RYDER 4X4 ACCESSORIES

Installing

1 - Locate a suitable position for the isolator in the engine bay, as close to the starting battery as possible. The unit is hermetically sealed against water and dust, but avoid areas of extreme heat and moisture to maximise the service life of the unit. The LED on the top of the unit should be visible to determine operation status and to allow access to the over-ride switch.

2 - Remove base plate from isolator and connect battery cables to the studs as per the wiring diagram. **Note: the stud for the positive lead to the starting battery has a red dot on the end.** 10mm^2 or 8 B&S gauge cable should be the minimum size used, bigger is better to prevent voltage drop.

3 - Replace the base plate (optional) and attach the unit to the vehicle in your chosen location

4 - Connect the small earth wire to an appropriate earthing point. A good connection to earth is essential, make sure to clean away any dirt or grime from the connection point.

5 - Connect the cables to the starting and auxiliary batteries, make sure those batteries are earthed, and your isolator is ready to go.

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WIRING DIAGRAM