

PRODUCT INFORMATION

PARK BRAKE WARNING SYSTEM 12/24 VOLTS

Part No. 11377 | 11386 | 11387

Operation and Use

When the park brake warning system is first powered up, the alarms will self-test for approximately one to two seconds. When the two doors are closed and the park brake is applied, the park brake warning system is in its armed state.

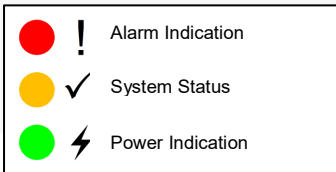
When the park brake is released and a door is opened, a flashing LED will operate and the OEM horn will operate repeatedly until the park brake is reset. Simply closing the door will not reset the system. The park brake will have to be reapplied to reset the system.

When the park brake is applied and a door is opened, this has no effect on the park brake warning system until the park brake is released.

The park brake warning system has a keyed override (11386 kit only) incorporated in the external circuitry, so that when the override is turned to the off position, the system becomes inactive to allow for maintenance.

Controller Status Indicator Operation

State	Indicator Sequence
Battery Power-up	<ul style="list-style-type: none"> All indicators will turn on. All indicators will turn off. After power-up, the controller will revert to normal operation.
Status Indicator in Operation	<p>RED – Fault.</p> <ul style="list-style-type: none"> If outputs have problems, this will turn on. Outputs 1 & 2 – high current outputs: checked for over current. Output 3 – not checked as it is a low side driver. Output 4 – checked for correct output voltage. Temperature – checked for board temperature exceeding 80 °C. <p>YELLOW – Pulses during normal operation, indicates system OK.</p> <ul style="list-style-type: none"> Flashes on and off at one-second intervals (on for one second, off for one second). <p>GREEN – On for normal operation.</p>



Installation Guide

- Mount the control unit in suitable location.
- Refer to the following wiring connections table and external wiring diagram to connect the control unit. It is recommended that the wiring is installed alongside the OEM wiring ensuring that it is secured at regular intervals; this will provide protection from heat and abrasion, and any other excess damage that may occur with extended vehicle operation. When securing the wiring to the OEM wiring, ensure that the loom is away from moving vehicle parts, which could lead to loom damage.
- Mount the LED on the instrument panel in the cabin clear view of the operator.

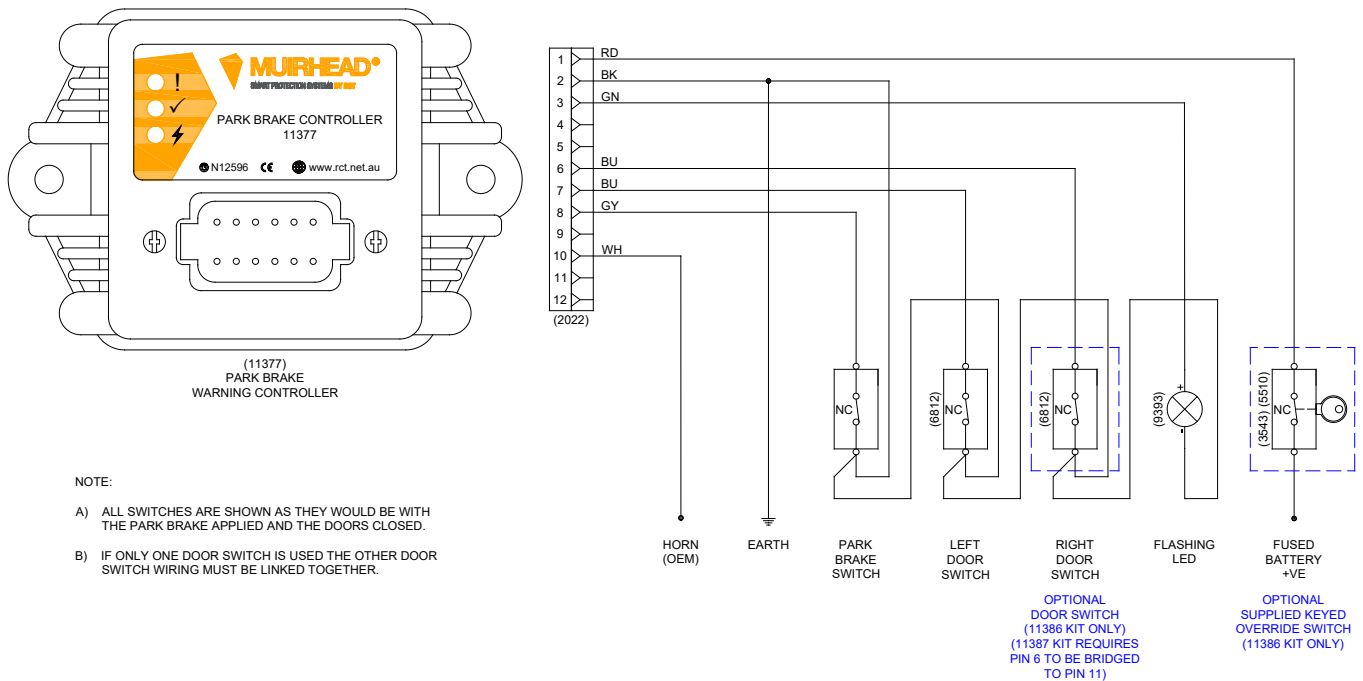
Wiring Connections

No.	Colour	Function	Description
1	Red	Ignition Input	Keyed override switch (11386 kit only). Connect to the ignition supply at the key switch (ensure it is circuit breaker protected).
2	Black	Ground	Earth
3	Green	Output 1	Flashing LED +ve (13 A)
4	-	Output 3	Optional output (solid). Please that wires must be added to the supplied loom if you wish to use this output.
5	-	Input 1	Not used
6	Blue	Input 3	Left door switch input
7	Blue	Input 4	Right door switch input (11387 kit join BU wire to BK wire - earth)
8	Grey	Input 2	Park brake switch input
9	-	Output 4	Optional output (flashing). Please that wires must be added to the supplied loom if you wish to use this output.
10	White	Output 2	OEM horn +ve (13 A)
11	-	Battery Supply -ve	Not used
12	-	Battery Supply +ve	Not used

Note

Manufacturer recommends that the Pin 10 Output - (white) be connected to the OEM horn circuit via a relay if the current draw is greater than 13 amps.

External Wiring Diagram (474u)



For detailed product information, please contact your local RCT branch for a copy of the product manual [M0701](#). For configuration settings and adjustment, please contact your local RCT branch to purchase the Muirhead® Programming Utility, part number 13647.

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CANADA:
+1 705 590 4001

RUSSIA / CIS:
+7 (910) 411 11-74

SOUTH AMERICA:
+56 3 5229 9409

USA:
+1 801 938 9214