

# PARK BRAKE WARNING KITS



**PARK BRAKE WARNING KIT, MULTI VOLTAGE, 2 DOOR ACCESS**

11386



**PARK BRAKE WARNING KIT, MULTI VOLTAGE, 1 DOOR ACCESS**

11387

## Purpose & Benefits

The Muirhead® Park Brake Warning Kits are designed to alert the mining equipment operators and nearby personnel that the door of a vehicle has been opened without the park brake being applied.

The majority of heavy mobile equipment is not equipped with an OEM vehicle door based Park Brake Warning system. The Park Brake Warning Kits correct this important safety shortcoming by providing a reminder by a dash mounted light and a horn alarm that the park brake has not been applied when the operator attempts to exit the vehicle.

The Muirhead® Park Brake Warning Kits reminds operators of the need to apply the Park Brake when heavy mobile equipment is parked. This will prevent dangerous unintentional vehicle movements and also warn nearby personnel of the unsafe condition.

The Kits also alarms when doors are opened on mobile equipment during operation. This is an important safety feature for graders or rubber tyred dozers where an operator may wrongly open the door to obtain a better view of his work area.

## Equipment Type

All heavy mobile equipment that requires secure park brake activation when stationary.

## Target Customer

All operators of heavy mobile equipment concerned with unintentional movement of stationary equipment such as haul trucks, graders, dozers, fuel trucks and water trucks.

## Functionality

The 12-24v DC Park Brake Warning Kit is comprised of an IP65 controller unit which monitors the input signals from up to two door proximity switches and the vehicle's park brake switch. When the park brake is released and a door is opened, the flashing LED will operate and the OEM horn will operate repeatedly until the park brake is reset. The warning provides a reminder to the operator to set the park brake and also alerts nearby personnel that the vehicle may be unattended with the park brake 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.

When the machine's battery isolator is turned on, the system runs through a test cycle sounding the audible alarm and activating the LED light.

The Muirhead® Park Brake Warning Kits have a fail-safe design which triggers the alarm in the event of sensor failure or an open circuit in the signal wire.

All Muirhead® products are built to the rigid standards required for the demanding 24/7 operations of the mining industry. The Park Brake Warning Kits have proven themselves reliable in hundreds of applications both in underground mining and all types of surface mobile equipment.

APN	HEAVY DUTY	SELF-TEST MODE	# OF PROXIMITY SWITCHES	IP65 CONTROLLER	KEY BASED OVER RIDE	LED RED WARNING LIGHT & LABEL
11386	Y	Y	2	Y	Y	Y
11387	Y	Y	1	Y	N	Y

### ADDITIONAL DOCUMENTS

PRODUCT ONLINE



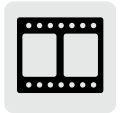
CUSTOMER DATASHEET



MANUAL



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# PRODUCT OUTLINE SHEET

## PARK BRAKE WARNING KITS

### Variations

Park Brake Warning Kit (part no. 11386) is supplied with 2 proximity sensors to monitor two vehicle doors and a key based lockout switch for maintenance purposes.

Park Brake Warning Kit (part no. 11387) is supplied with only 1 door proximity sensor and does not have a maintenance lockout capability.

### Key Features

- ▶ Inbuilt diagnostics
- ▶ Audible and visual warnings
- ▶ Multi-voltage 8 – 32 volts DC
- ▶ Environmentally sealed – IP65
- ▶ Ruggedised components for long life
- ▶ Fail-safe sensing circuit
- ▶ Simple design
- ▶ Customisable circuitry
- ▶ Override switch for maintenance purposes
- ▶ Self-test mode
- ▶ Prevents unattended machine run away accidents
- ▶ Protects personnel working on and near machine
- ▶ Enforces safe operating practices
- ▶ User friendly
- ▶ Simple and automatic operation

### Parts List

PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	11386	11387
6812	PROXIMITY SWITCHES	2	1
0658	DOOR OPEN WARNING LABEL	1	1
5054	PARK BRAKE SWITCH	2	1
0821	TERMINAL F/SPADE BLUE	4	4
0825	TERMINAL BLUE 5.3 MM HOLE	1	1
0826	TERMINAL BLUE 6.6 MM HOLE	1	1
9393	LED M/V RED 2T FLASHING	1	1
11378	LOOM TO SUIT 11386/11387	1	1
11377	PANEL TO SUIT 11386/11387	1	1
5343	SYSTEM OVERRIDE LABEL	1	-
3543	KEY SWITCH HEAD STAY PUT L/H	1	-
5510	SWITCH BODY WITH 1 X N/C CONTACT	1	-

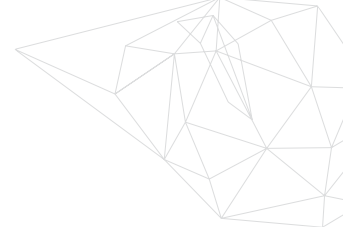
### Quoting & Pricing

Park Brake Kit pricing in Price List will include all of the components listed above in the Parts List.

Spare or replacement parts can be ordered via the APT part numbers in the Parts List.

### Additional Documents

Item	Description	Document Number/Title
1	Datasheet	<a href="#">SBMH0615120-Park Brake-Warning-Kits</a>
2	Product Manual	<a href="#">M0701</a>



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### Related Images

