

ELECTRONIC THROTTLE SPEED LIMITER



SPEED LIMITER KIT (WITH ISOLATION RELAY)

11506 (11186 CONTROLLER)



SPEED LIMITER KIT (WITHOUT ISOLATION RELAY)

7290 (11094 CONTROLLER)

Purpose & Benefits

Speed Limiters on light vehicles assist to safely control the travel speed of the vehicle.

The Muirhead® Electronic Road Speed Limiter is a programmable device suitable for 12 to 24V vehicles that are fitted with fly-by-wire throttle systems utilising a single or dual 0 to 5V throttle potentiometers.

The Electronic Road Speed Limiter is connected in series with the machine throttle system.

The Speed Limiter will replicate the signal of the machine throttle until the system initiates an action to limit the vehicles road speed. This is done by monitoring a signal from the machine speedometer. When the set speed is approached the controller will ramp back the throttle.

Equipment Type

All mobile equipment with electronic throttle circuits.

Target Customer

Users of vehicles where speed related incidents are high and/or where speed limits are designated.

Functionality

The Muirhead® Electronic Road Speed Limiter is interfaced into the machine throttle circuit. A pre-set speed is saved into the controller on installation.

The machine throttle circuit will operate normally giving full acceleration and power. When the speed of the vehicle approaches the pre-set speed, the controller will start to ramp back the throttle so it does not exceed the pre-set speed.

The system has a speed signal input that senses the speed of the machine, the speed signal can be from the machine sensor or an aftermarket speed sensor can be installed. Both 3-wire and 2-wire speed sensors can be used and internal circuitry is used to amplify low level speed signals.

The 11186 controller is fitted with an internal isolation relay that is activated when speed limiter is on and deactivated when speed limiter is off. The safety isolation relay is in place to allow for operation without speed limiting. This is used in light vehicles that travel both on a mine site and on the main highways. When the isolation relay is deactivated the machine will default to standard machine throttle removing the speed limiter from the machine circuit.

Variations

Part no. 7290 includes loom, controller and mounting options. This speed limiter is designed for off-highway vehicles (mining haul trucks, loaders, forklifts and buses).

Part no. 11506 includes loom, controller and mounting options. This speed limiter is designed for vehicles that travel both in speed restricted areas and highways (light vehicles).

APT (Kit)	Heavy Duty	Self-Test mode	Multi Voltage	Installation guide	Isolation Relay
11506	Y	Y	Y	Y	Y
7290	Y	Y	Y	Y	N

ADDITIONAL DOCUMENTS

PRODUCT ONLINE



CUSTOMER DATASHEET



MANUAL





PRODUCT OUTLINE SHEET

ELECTRONIC THROTTLE SPEED LIMITER

Key Features

- ▶ Reduce speed related accidents
- ▶ Control vehicle abuse
- ▶ Reduce fuel, running and maintenance costs
- ▶ Improve site and operator safety
- ▶ Speed limiter program available for fine tuning
- ▶ Bluetooth to serial programming link available when on machine programming is unsafe

Parts List

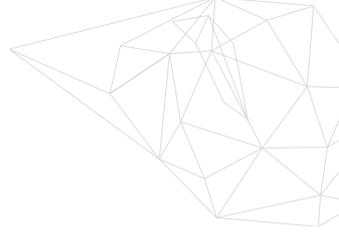
PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	11506 KIT	7290 KIT
11186	CONTROL UNIT	1	0
11094	CONTROL UNIT	0	1
11068	MACHINE LOOM	1	1
8817	CONTROL UNIT MOUNT	0	1
5947	ISOLATION LOCKOUT RELAY	1	0

Quoting & Pricing

Quotes for Pricing are supplied for all kits. With above part numbers available as spare parts.

Item	Description	Document Number/Title
1	Data Sheet	As per Manuals
2	Product Manual	M0704 & M0677
3	Brochures	Refer: SBMH0808068



PRODUCT OUTLINE SHEET

ELECTRONIC THROTTLE SPEED LIMITER

Related Images



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