

SPEED LIMITING



FLY-BY-WIRE ROAD SPEED LIMITERS
11506

LANDCRUISER ROAD SPEED LIMITERS 12/24V
12607

Purpose & Benefits

The Muirhead® Electronic Road Speed Limiter, prevents the machine from over speeding independently of the operator. This is achieved by comparing the programmed speed that is imposed within the workplace to the frequency input from the OEM speed sensor.

When the maximum programmed speed is approached, the road speed limiter de-rates the throttle to slow the machine down.

The road speed limiter is easy to install, fully programmable and tamper resistant. It reduces speed related accidents, control vehicle abuse and improve site and operator safety.

Equipment Type

All industrial forklifts, light and heavy mobile equipment that have a Fly-by-Wire and cable operated throttle systems.

Target Customer

All operators of forklifts, light and heavy mobile equipment concerned about unsafe operation related to excessive vehicle speed.

Functionality

The road speed limiter is a programmable device suitable for 12 to 24-volt vehicles that are fitted with fly-by-wire throttle systems utilising a single or dual 0 to 5-volt throttle potentiometers. The control unit is connected in series with the original equipment manufacturer (OEM) throttle system.

The system operates by sensing the voltage signal from the throttle position sensors and replicates the signal to the electronic engine management system.

When the machine approaches the maximum desired speed, the speed limiter de-rates the throttle signal to slow the machine down. The rate and timing in which the throttle is de-rated is programmable and is also dependent on machine acceleration and OEM speed sensor input signal.

This product can be used for limiting the top-end speeds of suitable vehicles in dangerous areas where road conditions and pedestrians are not conducive to high speeds. This allows the machine to have access to all gears and there is no need to lock out gears to try and reduce the speed of the vehicle.

The road speed limiter is suitable for both DC (three-wire) and AC (two-wire) speed sensor types.

APN	MULTI-VOLTAGE	FLY-BY-WIRE CONTROL	LIGHT VEHICLE	FULLY PROGRAMMABLE	FILTERED THROTTLE INPUTS	TAMPER PROOF
11506	Y	Y	1	Y	Y	Y
12607	Y	N	1	Y	Y	Y

Variations

Integration with a GPS digital input allows for automatic speed limiting dependent on geographic location.

ODB2 Can Device can be used in some CAN throttle kits.

An option is available to ramp the throttle up and down. This allows smoother acceleration and deceleration when carrying fragile goods.

ADDITIONAL DOCUMENTS

PRODUCT ONLINE



CUSTOMER DATASHEET

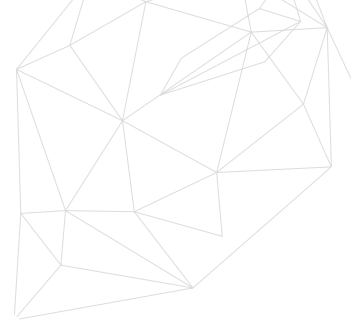


MANUAL



PRODUCT OUTLINE SHEET

SPEED LIMITING



Key Features

- ▶ Fly-by-Wire system, utilising a single or dual 0 to 5 V throttle potentiometers.
- ▶ Suitable for both direct current (three-wire) and alternating current (two-wire) speed sensor types.
- ▶ Multi-voltage 12 – 24 V DC
- ▶ GPS zone geofencing control capable.
- ▶ Fully programmable.
- ▶ Simple machine integration.
- ▶ Kits available for major OEM manufactures.

Parts List

PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	11506	12607
11068	LOOM GENERIC V2 DUAL TPS FBW	1	-
5947	KEY SWITCH T/S RSL KIT	1	-
11186	CONTROLLER SPEED LIMITER V2	1	-
4874	LABEL T/S RSL LOCKOUT SWITCH	1	-
12753	GROMMET WIRING T/S 14.3MM HOLE	-	1
12123	MOUNT PEDAL HZJ79 LANCRUISER	-	1
12213	PEDAL ELECTRONIC WILLAMS	-	1
9604	P-CLAMP 1/4" ID	-	4
9662	P-CLAMP 3/8" ID	-	4
3727	BOLT M6 X 16 HEX G304	-	8
9760	BOLT M6*25MM G304/A2	-	4
9744	WASHER M6 FLAT G304/A2	-	8
9746	NUT M6 NYLON LOCKING G304/A2	-	10
12756	LOOM FBW SPEED LIMITER WITH	-	1
6130	KIT T/S UNIV ACTUATOR MOUNT	-	1
12708	THROTTLE CABLE T/S HZJ79	-	1
10452	CONTROLLER SPEED LIMITER V2	-	1
10211	MOUNT VDO ACT ITEM 12 7MM	-	1
5494	NUT M8 FINE 1/2X1MM PITCH	-	2
12572	ACTUATOR VDO E-GAS 12V CLUTCH	-	1

Quoting & Pricing

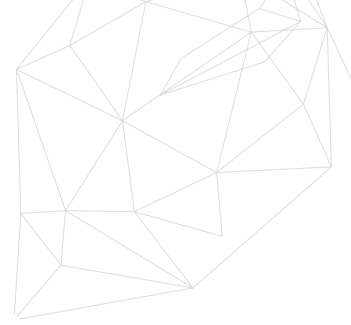
Road Speed Limiter Kit pricing in Price List will include all of the components listed above in the Parts List. Spare or replacement parts can be ordered via the part numbers in the Parts List.

Additional Documents

ITEM	DESCRIPTION	DOCUMENT NUMBER/TITLE
1	Datasheets	SBMH0808068-Light-Vehicle-Speed-Limiters no datasheet for 12607
2	Product Manuals	11506 - M0704 12607 - M0951

PRODUCT OUTLINE SHEET

SPEED LIMITING



Related Images

