

RAISED TRAY TRANSMISSION INHIBIT CONTROLLER



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13643

Purpose & Benefits

The Muirhead® Raised Tray Transmission Inhibit system, is a unique product that alerts the operator and personnel within the area that the vehicle's tray is in a raised position.

Operators of large trucks inherently face hazardous conditions when operating near overhead services, overpasses and underground portals.

A truck with a raised tray in these surroundings can cause an enormous amount of damage to core operating facilities and endanger the lives of both the operator and personnel within the vicinity. This system assists to minimise these risks for safer working practices by limiting the machine's transmission to first gear when the tray is raised, thereby avoiding high speed accidents.

Equipment Type

All heavy mobile haul truck equipment which operates within high-risk height prohibitive work environments.

Target Customer

All operators of heavy mobile equipment concerned with machine and infrastructure damage due to operation of equipment while tray is raised. Machines such as, surface/underground haul and dump trucks.

Functionality

This controller monitors transmission gear selection and tray position.

When the tray is raised, the controller restricts gear selection to first and neutral gears. When in first gear, the signal from the transmission control to the upshift solenoid is removed, preventing any further changes above first gear.

A warning light on the instrument panel is illuminated and an alarm is activated when the controller is preventing any further upshift. Once the tray is fully lowered, the upshift signal is reactivated allowing normal gear change operation. The OEM bed raise switch prevents the transmission from selecting reverse. The warning light will operate at all times while tray is raised, and the alarm will only activate while gears are locked in first gear.

APN	HEAVY DUTY	TRANSMISSION INHIBIT	IP65 CONTROLLER	VISUAL WARNING	AUDIBLE WARNING
12595	Y	Y	Y	Y	Y

Key Features

- ▶ Inhibits the transmission to first gear when tray is raised.
- ▶ Operator warning when tray is raised via audible and visual alarms.
- ▶ Designed to suit all Caterpillar off highway trucks with electronic transmission control.
- ▶ Multi-voltage 12-24 V
- ▶ Environmentally sealed – IP65
- ▶ Compact and robust design
- ▶ Customised circuitry
- ▶ Visual indicators

ADDITIONAL DOCUMENTS

PRODUCT ONLINE

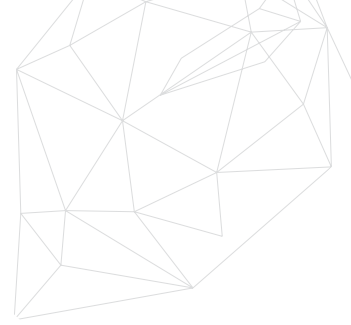


CUSTOMER DATASHEET



MANUAL





PRODUCT OUTLINE SHEET

RAISED TRAY TRANSMISSION INHIBIT CONTROLLER

Parts List

PARTS LIST – QUANTITY SUPPLIED

PART #	DESCRIPTION	13643
12738	GENERIC LOOM TO SUIT 11474	1
4267	BRACKET T/S OMRON PROX SWITCH	1
11981	RESISTOR 1W 1K2 OHM MF	1
6568	SWITCH PROXIMITY NPN N/C 34MM	1
1723	BUZZER WARNING CONS/INT 80DB	1
11109	LED 6 - 32 VOLT RED 2T	1
12595	CONTROL RAISED TRAY TRANS	1
0700	LABEL RAISED TRAY ALARM	1

Quoting & Pricing

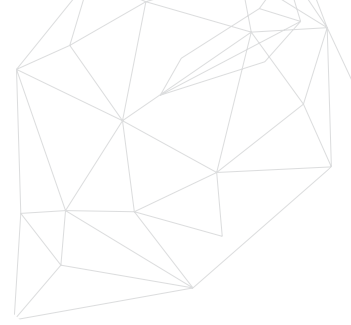
Raised Tray Transmission Inhibit Kit pricing in Price List will include all of the components listed above in the Parts List. Spare or replacement parts can be ordered via the part numbers in the Parts List.

Additional Documents

ITEM	DESCRIPTION	DOCUMENT NUMBER/TITLE
1	Datasheet	SBMH060717b-Raised-Tray-Warning-Systems
2	Product Manual	M0949

PRODUCT OUTLINE SHEET

RAISED TRAY TRANSMISSION INHIBIT CONTROLLER



Related Images

