

The Reverse-A-Matic RM-60 upgrade to the RM-60-EM

The upgrade from the RM-60 to the RM-60-EM includes modifications to meet the amended Ontario Legislation 413/05 (SPIF), related specifically to the 4-way Lift feature. Any trailer with a built date after Jan 1st 2024 is required to comply with the amended legislation, to use the 4-way/emergency lift feature. The 4-way/emergency lift feature is not required to be SPIF compliant.

The Legislation Changes include:

- A new Emergency Lift Axle Override Switch
- Additional limits on the feature, including a 3-minute maximum and deactivation when the trailer stops.

The modifications to the RM-60-EM include two additional female bullet connectors:

- Green with Yellow Stripe – Input for the Emergency Lift Axle Override Switch
- White with Orange Stripe – Configuration wire

The changes alter the behaviour of the **pink** output wire only, the forward lift axle control. All other output wires function the same as described in the RM-60 manual.

The Configuration Input (White with Orange Stripe)

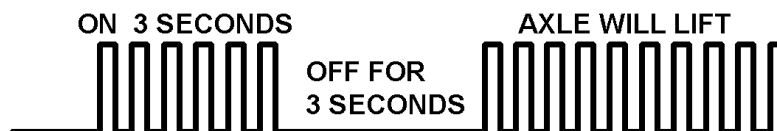
The Pink wire can be configured to allow both features or just the Emergency Lift Axle Override feature.

Configuration Input	Available Features
Plugged (No Voltage)	<ul style="list-style-type: none"> • The 4-way Lift Sequence • The Emergency Lift Axle Override
+12V	<ul style="list-style-type: none"> • The Emergency Lift Axle Override

Both configurations can only be activated while under 60km/h. If either feature is active and the trailer exceeds 60km/h, the feature will deactivate and lower the axle.

Both configurations are activated differently and have different deactivation methods.

4-way Activation Sequence



To activate the 4-way sequence lift feature, the 4-way flashers must be turned ON for 3 seconds or more, then turned OFF for about 3 seconds, then turned ON again. The axle will lift and remain up until the 4-way flashers are turned OFF or if the trailer travels above 60 km/h. The double-activation sequence prevents unintentional or accidental lifting of the axle if the 4-way flashers are turned ON for other reasons. The 4-way lift function is designed to meet SPIF regulations for trailers built before January 1, 2024.

Emergency Lift Axle Override Activation

To activate the Emergency Lift Axle Override feature, the Emergency Lift Axle Override Switch and the 4-way flashers must both be turned ON. The switches can be turned ON in any order.

The axle will lift and remain up until:

- The trailer stops
- The trailer travels above 60km/h
- The feature has been active for 3 minutes
- The 4-ways are turned OFF
- The Emergency Lift Axle Override Switch is turned OFF (toggle type switch only)
- The Trailer's power is turned OFF

The Emergency Lift Axle Override will not active when stopped, a minimum of 0.3km/h forward is required. This Emergency Lift Axle Override function is designed to meet SPIF regulations for trailers built after January 1, 2024.

The Emergency Lift Axle Override Switch

The switch for Emergency Lift Axle Override feature must be installed in the tractor and labelled "Emergency Lift Axle Override". The RM-60-EM is expecting a 12V signal from the switch on the Green with Yellow stripe female bullet.

Getting the switch signal to the trailer may require a secondary electrical connector and harness to be added to both the tractor and the trailer.

Switch Type for the Emergency Lift Axle Override feature

The Emergency Lift Axle Override can be activated with a momentary type switch or a toggle type switch. If the switch is ON for less than 5 seconds, it is detected as a momentary switch. The feature will not be deactivated when the switch turns OFF.

If the Emergency Lift axle Override switch is ON for longer than 5 seconds, it is detected as a toggle type switch. The feature will deactivate if the toggle type switch is turned OFF before the 3-minute limit.

Contact Us

If any problems arise during installation, calibration, or testing, please contact us at:

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