



Excellence in Compliance Testing

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## **Certification Exhibit**

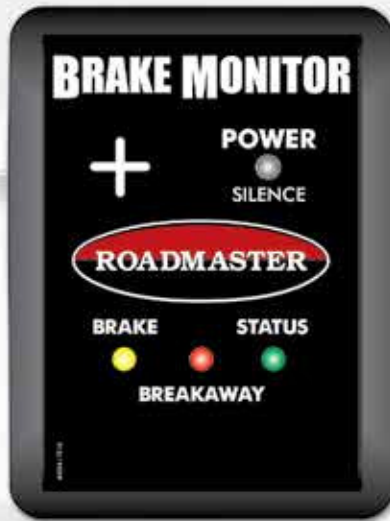
**FCC ID: RGY-9520  
IC: 22290-9520**

**FCC Rule Part: 15.247  
ISED Canada's Radio Standards Specification: RSS-247**

**ACS Project Number: 16-3098**

**Manufacturer: Roadmaster Inc.  
Model: EA066-R**

## **Manual**



## Universal brake monitor and transmitter

part number 9510 and 9520

# Installation instructions and user guide



**Time Tested • Time Proven**

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### FCC Compliance Statement

Warning: Changes or modifications to these devices not expressly approved by Roadmaster, Inc. could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC Radio Frequency Exposure

This equipment complies with radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet équipement est conforme aux limites d'exposition aux radiations dans un environnement non contrôlé. Cet équipement doit être installé et utilisé à distance minimum de 20 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec tout autre antenne ou transmetteur.

### Industry Canada License Exempt

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC ID: RGY-9510  
IC: 22290-9510  
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THESE DEVICES COMPLY WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.

(1) THESE DEVICES MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THESE DEVICES MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

All illustrations and specifications contained in this document are based on the latest information available at the time of publication. ROADMASTER, Inc. reserves the right to make changes at any time, without notice, in material, specifications and models, or to discontinue models.

# Installation and operation

## Installation

*Note: the most noticeable difference between the motorhome monitor (Figure A) and the towed vehicle transmitter (Figure B) are the wires extending from them. The transmitter has four colored wires; the monitor has one black wire.*

1. Choose a suitable installation point for the towed vehicle transmitter under the dashboard. Since the transmitter doesn't have to be accessed once it's installed, any mounting point that doesn't present an obstacle to the driver, or interfere with the operation of the vehicle, is suitable.

2. Attach the wires. (If necessary, use one of the included butt connectors and 18-gauge wire to extend the wiring.)

- Attach the black wire to any good chassis ground.
- Attach the red wire to any 12V+ source. Depending on the size of the fuse, use the ATM or the ATC fuse holder (Figure C).
- Attach the yellow wire to the wire on the break away switch which will be energized during a break away.
- Attach the blue wire to the cold ('switched') side of the brake light switch.

3. Use the included Velcro strips to attach the transmitter.

4. Plug the motorhome monitor into any 12V+ source in the motorhome, and attach it with the Velcro strips at any location where it can be seen by the driver.

## Operating the monitor

1. Check the "Status" light:

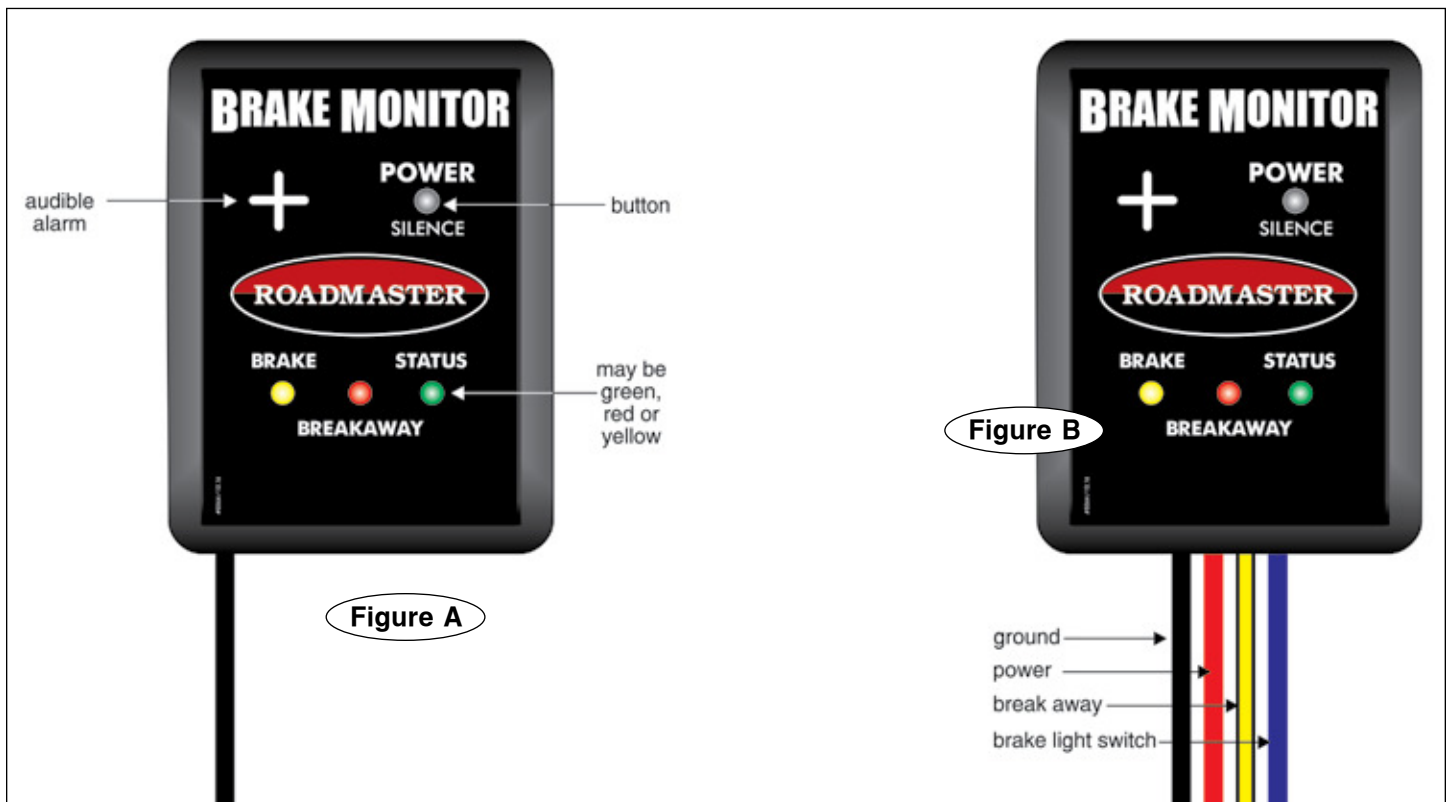
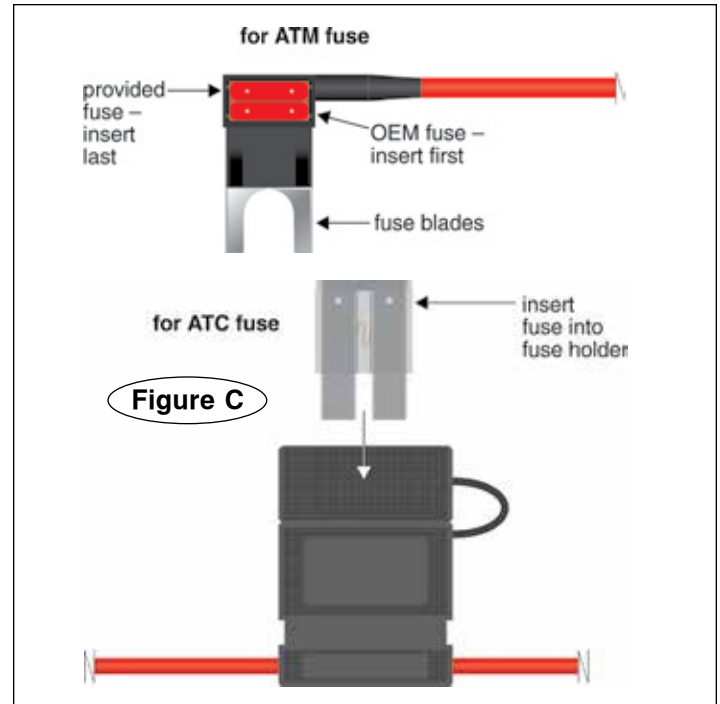
- If the light is solid green you're ready to tow.
- If the light is alternately flashing red and green, it's not receiving a signal. Pump the towed vehicle's brake pedal –

the light should now be solid green.

2. To turn the monitor off, press the "Power" button. (The monitor will always turn off after a few minutes when the motorhome's engine is turned off.)

## How to pair the monitor and transmitter

The motorhome monitor and the towed vehicle transmitter have been paired at the factory. If they've lost connectivity *continued on next page*



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ity pair them as follows:

1. Power on the motorhome monitor.
2. Depress and hold the “Power” button on the motorhome monitor for about five seconds. The “Status” light will flicker yellow.
3. Release the “Power” button. The “Status” light on both the towed vehicle transmitter and the motorhome monitor will start flashing yellow. The units are now in pairing mode.
4. Depress and release the brake pedal in the towed vehicle. The lights will stop flashing. The transmitter and monitor are paired.

## Monitor alerts

### Comprehensive list of monitor messages

- **The “Status” light is solid green.**  
The system is ready for towing.
- **The “Status light is flashing red and green.**  
The monitor isn’t receiving a signal from the towed vehicle. Pump the towed vehicle’s brake pedal – the light should now be solid green.
- **The “Status” light is off.**  
The monitor “Power” switch has been turned off, or the monitor has powered down.
- **The “Status” light is yellow.**  
The towed vehicle’s battery is low.
- **The “Status” light is flashing bright red; the “Brake” light is flashing yellow; accompanied with an audible alarm.**  
The towed vehicle’s brakes have been on continuously for 30 seconds. Pump the motorhome brakes to reset the 30 second timer.  
Alternatively, press the “Silence” button once – the timer will now alarm only after 60 seconds of continuous braking. If the “Silence” button is pressed again after the alarm at 60 seconds, it will reset the timer to only alarm after 90 seconds. This can be extended once more to 120 seconds.










vehicle are being applied inappropriately. Immediately pull over and investigate to prevent brake damage.

- **The “Status” light is flashing bright red; the “Break away” light is solid red; accompanied with an audible alarm.**  
The monitor is reporting a break away signal from the towed vehicle. Pull over as soon as it is safe to do so and investigate.
- **The “Brake” light is yellow.**  
The “Brake” light will illuminate yellow whenever the towed car’s brakes are on.

### Caution

**If the monitor alerts you to extended braking when you are not braking the motorhome, the brakes in the towed**

### Motorhome monitor color code chart

Status Light	Brake Light	Breakaway Light	Color	Description
			Solid green	The system is ready for towing.
			flashing red and green	The monitor isn’t receiving a signal from the transmitter.
			“Status” light is off	The “Power” switch has been turned off.
			yellow	The towed vehicle’s battery is low.
			flashing red and yellow	Extended braking alert 🎵 (includes an audio alert)
			solid red and flashing red	A break away is in progress. 🎵 (includes an audio alert)
			solid yellow	The towed vehicle’s brakes are being applied.