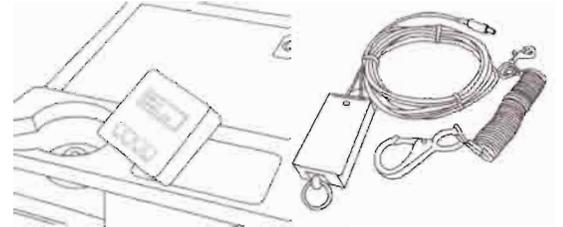


# Rvibrake™

## Rvibrake Installation Instructions

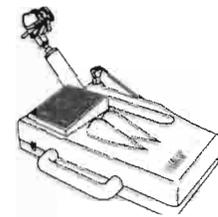
Thank you for choosing Rvibrake as your auxiliary braking system! We are dedicated to making your towing experience as safe as possible by providing the most effective portable braking system available.



**Use of the Rvibrake or any of its accessories in a manner that is inconsistent with these Instructions could cause damage to the motorhome or towed vehicle and may cause injury or even death. Please read and understand these instructions before using this product.**

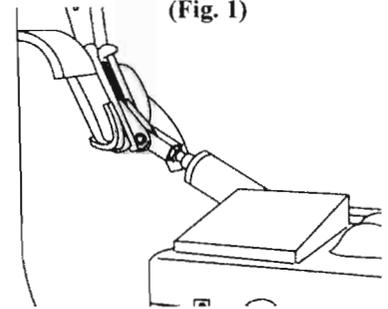
Please contact us at 1-800-815-2159 if you have any questions.

Step 1) Remove the Rvibrake, Breakaway System and Wireless Monitor from the shipping carton and inspect them for any shipping damage. If you see any damage please notify us immediately. (Fig. 1)



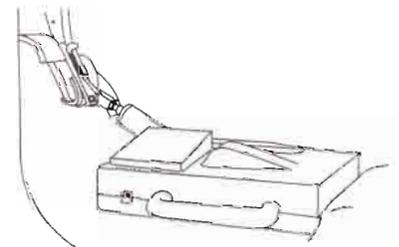
(Fig. 1)

Step 2) Adjust the driver's seat to the far back position and place the Rvibrake on the floorboard so that the Clevis is directly in front of the brake pedal of the towed vehicle. Carpeted floor mats do not need to be removed but thicker rubber mats should be removed prior to using the Rvibrake.



(Fig. 2)

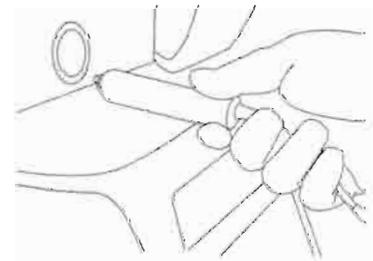
Step 3) Attach the Clevis onto the Brake Pedal of the towed vehicle so that the lower part of the Clevis grabs the bottom of the brake pedal first, and then extend the upper part of the Clevis over the top of the brake pedal. (Fig. 2)



(Fig. 3)

Step 4) Slide the Rvibrake back towards the seat until the Rvibrake hits against the edge of the seat pan. (The seat pan is the slightly elevated area of the floorboard that the driver's seat is mounted on.) If your vehicle has a flat floorboard and no seat pan to push against, please refer to the Stop Plate Installation guide inside of Stop Plate package. (Fig. 3)

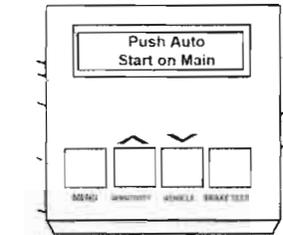
Step 5) Plug the Rvibrake 12 volt adapter into the 12 volt receptacle of the towed vehicle. The air compressor will start to run and the Red LEDs on the control panel of the Rvibrake will start to flash. (Fig. 4)



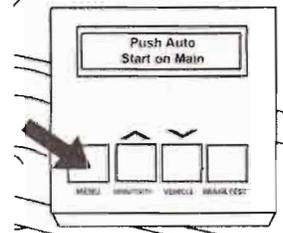
(Fig. 4)

## Wireless Monitor Operating Instructions

Step 1) Plug the Wireless Monitor into the 12 volt receptacle of the motor home so that it can be seen from the drivers seat. If the Rvibrake is not installed or hasn't been put through the Auto Start cycle, the LCD screen will display "Push Auto Start on Main". As soon as the Rvibrake has gone through the Auto Start cycle the LCD screen will display the same settings that the Rvibrake is set to. (Fig. 1)



Step 2) The Menu Button on the Wireless Monitor will display the Contrast, Backlight and Pairing options. (Fig. 2)

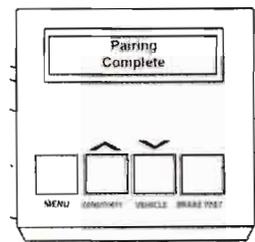


(Fig. 2)

When "Contrast" is displayed, press the up or down arrows until the desired setting is achieved.

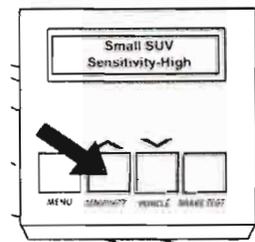
When "Backlight" is displayed, Press the Down arrow to turn off the backlight, press the up arrow to turn on the backlight.

To Pair the Wireless Monitor to the Rvibrake Main Unit, Plug in both The Wireless Monitor and the Rvibrake into a 12 Volt receptacle. Press the Menu button until the Pairing mode is displayed and then press the Up arrow. If the pairing is successful the LCD will display "Pairing Complete". If the pairing isn't successful the LCD will display "Pairing Failed" (Fig. 3)



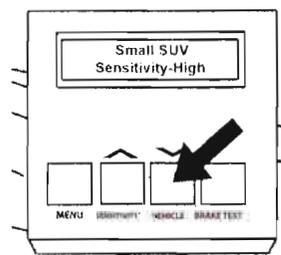
(Fig. 3)

Step 3) The Sensitivity Button on the Wireless Monitor will change the Low, Medium and Hi settings on the Rvibrake Main unit. (Fig. 4)



(Fig. 4)

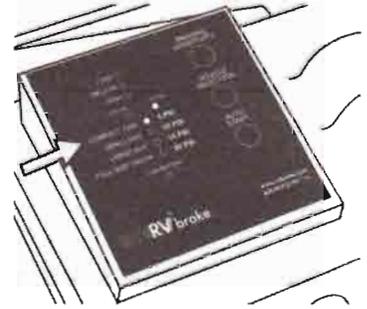
Step 4) The Vehicle Button on the Wireless Monitor will change the Compact, Small SUV, Large SUV and Full Size Truck settings when in the Vacuum mode. When in the Active mode the Vehicle Button will change the 5 psi, 10 psi, 15 psi and 20 psi settings. (Fig. 5)



(Fig. 5)

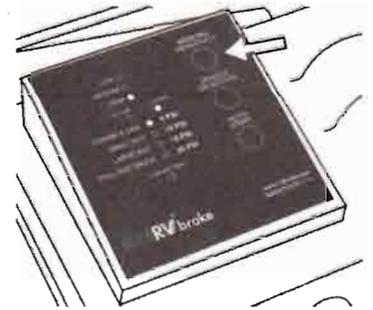
## Active Brakes Operating Instructions

Step 1) **Vehicle Selection (Active):** If your towed vehicle has Active brakes, press the Vehicle Selection button on the control panel until the Active LED is illuminated. Once the Active LED is illuminated continue to push the Vehicle Selection button until the 5 PSI LED is illuminated. (Fig. 1)



(Fig. 1)

Step 2) **Sensitivity Setting (Active):** The sensitivity setting on the control panel has 3 different settings. High, Medium and Low. This determines how hard you have to brake in the motorhome before the Rvibrake will assist you when braking. For instance, in the High setting the Rvibrake will activate with most brakings, in the Low setting you would have to be doing more of a panic brake for the Rvibrake to activate. For initial setup, set the Sensitivity setting on High by pressing on the Braking Sensitivity button until the High LED is illuminated. (Fig. 2)



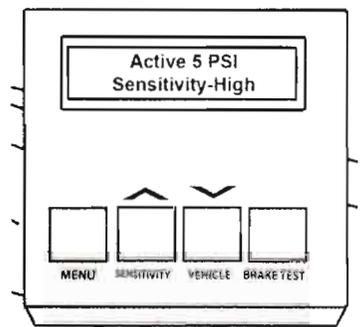
(Fig. 2)

Step 3) Plug the Wireless Monitor into the 12 Volt receptacle in the motor home so that it can be seen from the driver's seat. The LCD screen will display the sensitivity and Vehicle Selection that the Rvibrake is set to. (Fig. 3)

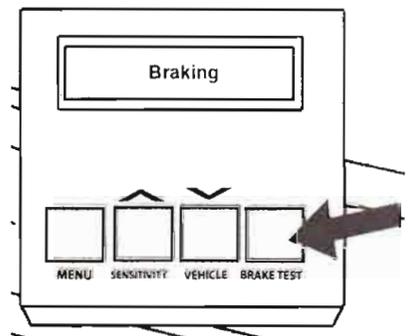
You are now ready to tow using the Rvibrake, make sure that the You have completed step 1 through step 6 of the installation Instructions.

Step 4) Get up to a speed over 30 MPH and let off of the accelerator in the motor home, while coasting push the Brake Test button on the Wireless Monitor, (Fig. 4) you should feel a gentle pull on the motor home. If you do not feel a gentle pull on the motor home, push the Vehicle Selection button until the 10 PSI LED is illuminated and repeat the process. Once you feel a gentle pull on the motor home you have the proper setting. You can leave your Sensitivity setting on the High setting or you can change it to the Medium or Low settings to fit your driving preference.

The Rvibrake will now store your settings so that the next time you tow it will automatically use the last settings Used.



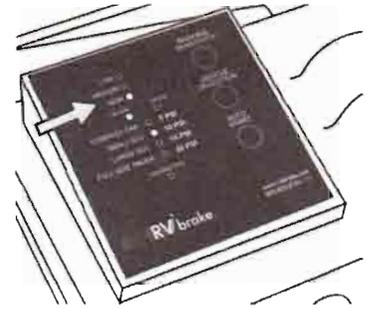
(Fig. 3)



(Fig. 4)

vehicle you are towing (i.e. Compact Car, Small SUV, Large SUV etc.) is illuminated. If you are towing a SUV always start in the Small SUV setting first. (Fig. 2)

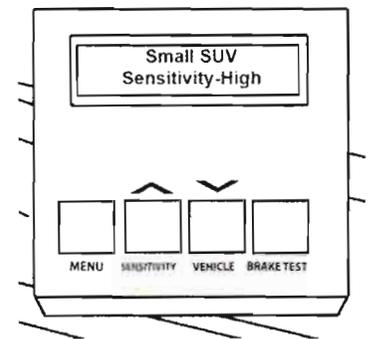
Step 2) **Sensitivity Setting (Vacuum):** The sensitivity setting on the control panel has 3 different settings. High, Medium and Low. This determines how hard you have to brake in the motorhome before the Rvibrake will assist you when braking. For instance, in the High setting the Rvibrake will activate with most brakings, in the Low setting you would have to do more of a panic brake for the Rvibrake to activate. For initial setup, set the Sensitivity setting on High by pressing on the Braking Sensitivity button until the High LED is illuminated. (Fig. 3)



(Fig. 3)

Step 3) Plug the Wireless Monitor into the 12 Volt receptacle in the motor home so that it can be seen from the driver's seat. The LCD screen will display the sensitivity and Vehicle Selection that the Rvibrake is set to. See the Wireless Monitor Operating Instructions for more detailed information. (Fig. 4)

You are now ready to tow using the Rvibrake, make sure that the You have completed step 1 through step 7 of the installation Instructions.

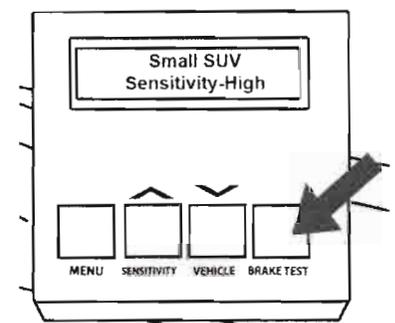


(Fig. 4.)

Step 4) Get up to a speed around 30 MPH and let off of the accelerator in the motor home, while coasting push the Brake Test button on the Wireless Monitor, (Fig. 5) you should feel a gentle pull on the motor home. If you do not feel a gentle pull on the motor home, push the Vehicle Selection button to change to the next larger vehicle setting and repeat the process. Once you feel a gentle pull on the motor home you have the proper setting.

You can leave your Sensitivity setting on the High setting or you can change it to the Medium or Low settings to fit your driving preference.

The Rvibrake will now store your settings so that the next time you tow it will automatically use the last settings Used. If you have any questions with the set up and operation of the Rvibrake Auxiliary Braking system please contact our Customer Service Department at 800-815-2159.



(Fig. 5)

Step 6) After the compressor has shut off, (approximately 30 seconds) push the green Auto Start button on the Rvibrake control panel. The Rvibrake actuator will automatically push on the brake pedal 5 times accomplishing 2 different tasks:

- 1) Remove any vacuum stored in the towed vehicles braking reservoir.
- 2) Automatically position the Rvibrake housing firmly against the seat pan of the towed vehicle. (Fig. 5)

**Warning: Anytime the towed vehicle's engine is started, (to charge the battery or run through the gears etc.) you must push the Auto Start button on the Rvibrake control panel after shutting off the towed vehicle's engine to remove the vacuum stored in the towed vehicle's braking reservoir. Failure to drain the vacuum will result in tire damage or excessive brake wear.**

Step 7) Raise the Wireless antenna so that it is pointing up. When stowing the Rvibrake lower the antenna to the horizontal positions so that the antenna will not get damaged. (Fig. 6)

Step 8) To Remove the Rvibrake, unplug the 12 Volt plug and remove the clevis from the brake pedal. To retract the actuator to the home Position, lift up on the actuator and slide backwards so that the clevis legs will plug into the 2 holes in the lower housing.

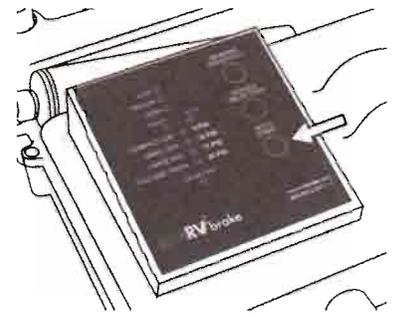
## Rvibrake Operating Instructions

**Vacuum vs. Active Brakes:** The Rvibrake is designed to work with both Vacuum assist and Active Brake towed vehicles. Vacuum assist vehicles use vacuum to boost the pressure when braking while Active brake vehicles have electrical systems to assist in braking. To determine what type of braking assist your towed vehicle has, refer to your vehicles Owner's manual or call your local automobile dealer. (Fig. 1)

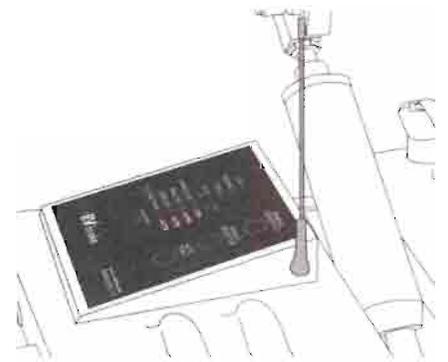
**Failure to properly set the vehicle selection to the proper setting may cause severe tire damage.**

### Vacuum Brakes Operating Instructions

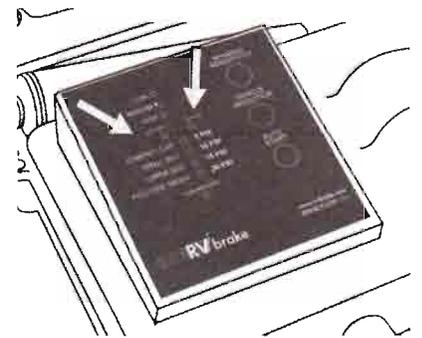
Step 1) **Vehicle Selection (Vacuum):** If your towed vehicle uses Vacuum assist; press the Vehicle Selection button on the control panel until the Vacuum LED is illuminated. Once the Vacuum LED is illuminated continue to push the Vehicle Selection button until the type of



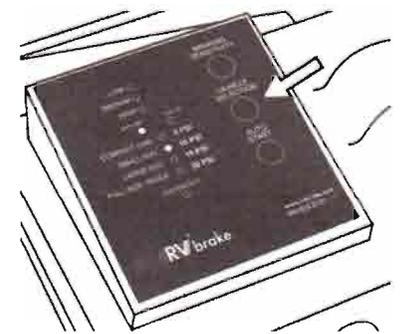
(Fig. 5)



(Fig. 6)

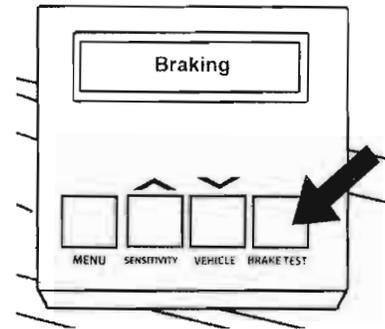


(Fig. 1)



(Fig. 2)

Step 5) The Brake Test button on the Wireless Monitor will activate the Rvibrake in 2 seconds intervals each time the Test button is pressed. This allows you to test the brakes in the towed at any time without applying the brakes in the motor home. (Fig. 6)



(Fig. 6)

**Information to user:**

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. FCC radiation Exposure Statement to comply with FCC RV exposure requirements in section 1.1307, a minimum separation distance of 0.81 cm (0.3 inches ) is required between the antenna and all persons. 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 receiver 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.

The Installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RV field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website [www.hc-sc.gc.ca/rpb](http://www.hc-sc.gc.ca/rpb).

CAUTION: Changes or modifications not expressly approved by Danko Manufacturing LLC could void the user's authority to operate the equipment.