

#RS-5000 READYSTOP BREAK-AWAY INSTALLATION

HOW DOES THE READYSTOP WORK?

The Readystop is a mechanically activated device which allows aircraft cable to pull through it in one direction only. The cable is then held in this position until the Readystop can be reset. Installed toward the front of the towed vehicle, the pre-crimped thimble loop, extending from the motor home facing side of the Readystop, is wire tied to a location near the front bumper. The remaining aircraft cable, extending from the Readystop in the direction of the towed vehicles brake pedal, is routed through the firewall and attached to the towed vehicles brake pedal. The second harness runs from the pre-crimped thimble loop located on the towed vehicle. This harness is attached to the tow bar with (8) wire ties, and then attaches to the motor homes frame. In the event the towed vehicle should break away from the motor home these cable are pulled through the Readystop, applying the towed vehicle brake pedal. A sheer link manufactured into the cable harnesses is used to ensure that the brake pedal is applied at 300 lbs. A push button release manufactured into the Readystop allows for the quick and easy resetting of the break away.

BEFORE GETTING STARTED

1. **Carefully read the entire installation manual.** You will need: a drill, 1/8" drill bit, 3/16" drill bit, 3/8" open end wrench, a small socket set, wire cutters and RTV silicone.

Installing the Readystop

Step 1. Locate the position where the 7 X 7 aircraft cable will pass through the firewall. To do this, depress the towed vehicles brake pedal and mark a spot on the firewall in relation to the travel of the brake pedal. This location should be positioned to allow for the brake pedal to be pulled in direct relation to the brake pedal travel. In the event you have the Readybrake towed vehicle braking system installed, keep the location of the hole through the firewall 1/2" away from the cable conduit firewall mount used for the Readybrake.

Step 2. Pre drill a 1/8" hole. The location you have marked per step 1 should be drilled with a 1/8" bit making sure not to damage any engine components on the engine side of the firewall. Once you have successfully located the 1/8" hole it can be reamed out to 3/16".

Step 3. Choose a location to mount the Readystop Break-Away. This location should be as close to the front of the towed vehicle as possible, and positioned towards the drivers side tow bar mounting bracket. Use the Readystop as a template and mark the bolt hole locations for pre-drilling. Pre-drill these holes with a 1/8" drill bit and then affix the Readystop with the (4) hex head screws provided. The Readystop must be positioned with the arrows pointing in the correct directions. One arrow will point toward the motor home the other toward the brake pedal of the towed vehicle. The Readystop may be positioned at any angle as long as these arrows are facing in the proper directions.

Step 4. Install the towed vehicle break-away harness. The Readystop is shipped with the towed vehicle wire harness already placed through the break-away. Once **Step 3** has been accomplished you should adjust and wire tie the pre-crimped thimble loop, coming from the motor home side of the Readystop, so it is easily accessible. Locate this loop toward the front bumper,

and as close as possible to the drivers side tow bar bracket. **Note: This loop should be wire tied so it cannot be activated by hand causing activation of the Readystop.** It should also be positioned where it will be away from any possible item which could snag and activate the Readystop. The remaining length of wire coming from the brake pedal side of the Readystop should be routed and fed through the firewall. Once the wire is fed through the firewall attach it to the brake pedal or floor style emergency brake pedal leaving some slack between pedal and floor. Use the cable clamp provided.. **Note:** Leave 3-4" of slack and wire tie in several places to keep the harness from getting snagged. Seal cable at the floor with RTV silicone to weather proof the floor.

When routing this cable, select a route which accounts for the following:

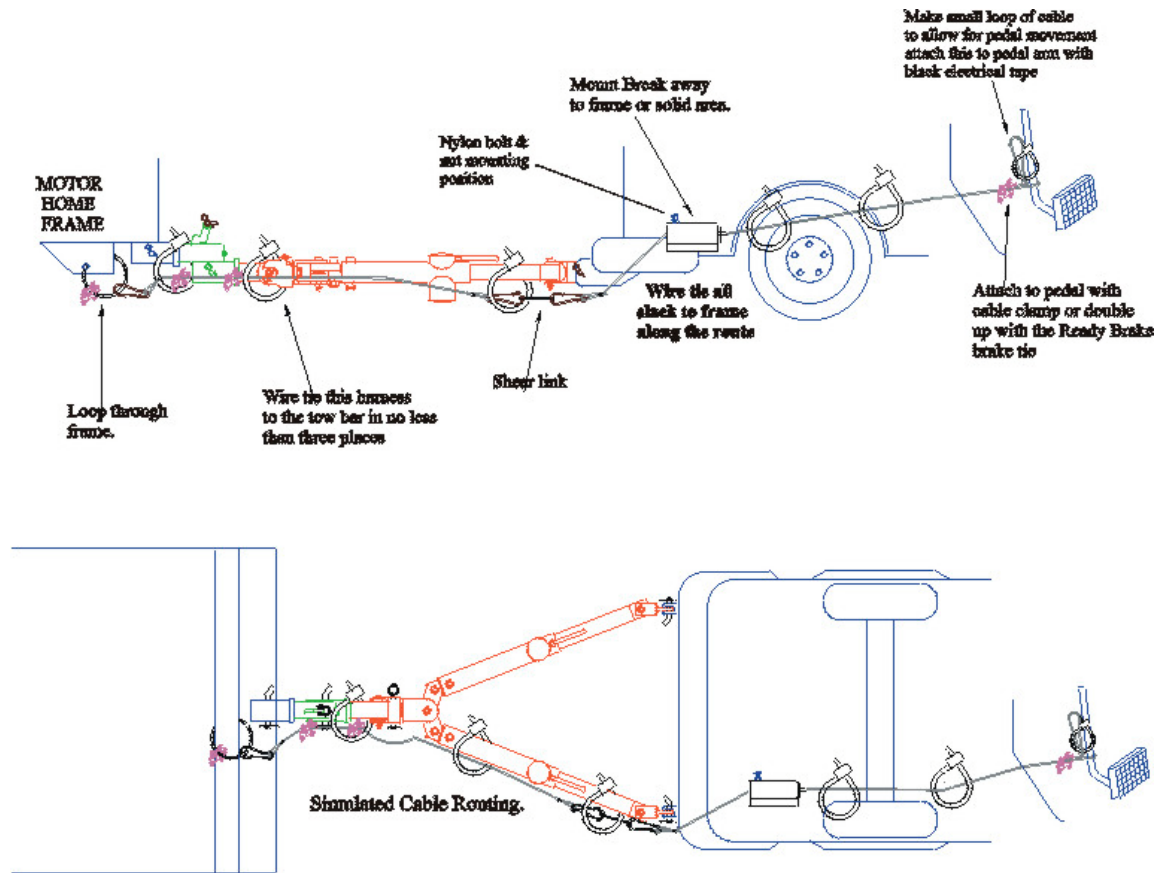
- A. The wire **must not interfere with any moving parts** on the towed vehicle.
- B. The wire **must be positioned so that activation does not damage any critical engine components** on the towed vehicle.

Step 5. Install the wire loop onto motor home frame. This location should be as far to the rear of the motor home as possible. The Readystop comes with an 3' length of 7 X 7 aircraft cable which needs to be looped to a solid area on the motor home. Use the (2) two cable clamps provided to secure the cable ends. **Do not attach to any part of the towing system. To include the receiver on the motor home.**

Step 6. Size and route the tow bar harness. Attach the spring clip to the loop you just attached to the motor home. This spring clip needs to be on the permanently crimped end of the tow bar harness. Run the remaining length of cable along the tow bar, attaching to the tow bar with the (3) wire ties provided. Place a loop on the towed vehicle side of this harness using the cable clamp provided and insert the second spring clip through this loop. This spring clip will be hooked to the towed vehicle harness when towing. Cut off any additional cable with wire cutters. **Note: Leave enough slack so that there is no danger of pulling on the towed vehicle break-away when turning or going over bumps.**

Step 7. Now insert the nylon bolt and nut in top of the ReadyStop unit Tighten the nylon bolt down against the cable to prevent the accidental activation of the unit. Then tighten the nylon lock nut down against the body to keep the bolt from backing out.

Note: To keep water and dirt out of the ReadyStop body you can put some RTV silicone around the cable where it enters the front of the body. (See drawing)



System Operation and Maintenance...

Attach the spring hooks when towing and unhook when not. The following maintenance should be practiced on a regular basis:

- A. Check the cables for areas where they may have become too tight or too loose.
- B. Check the cable clamps for loose nuts.
- C. Check for worn or frayed cable conditions.
- D. Fix any problems you encounter immediately.

Note: In the event the Readystop should become activated it may be reset by relieving the pressure between it and the towed vehicles brake pedal. The release button on the Readystop can then be depressed allowing the cable to pass back through the Readystop, returning the towed vehicles brake pedal to its original position.

Note: All parts damaged during activation of the unit must be replaced with new parts. Night shift Auto cannot be held liable for improper installation or improper use of the Readystop. The product meets all state and Canadian break-away requirements.

P.O. Box 861 - 129 N. Kentucky St. - Iola, KS 66749
 Ph. 620-365-7714 Fax 620-365-7488 Toll Free 1-800-933-3372 24
 Join us on the web at www.readybrake.com or E-mail us at sales@readybrake.com