



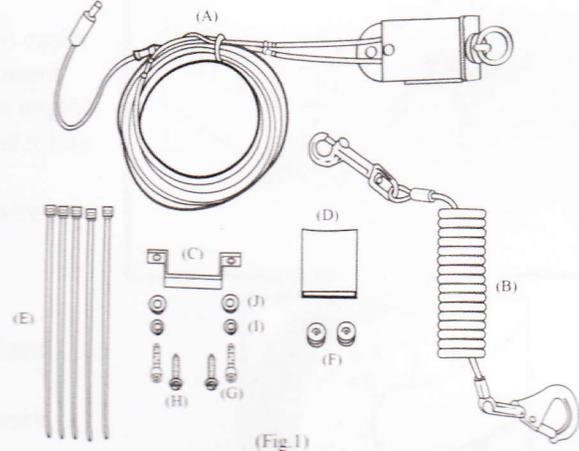
## Break-away Installation Instructions

The Rvibrake Break-away system is required by law to bring your towed vehicle to a stop in the event that the towed vehicle becomes completely un-attached from your motorhome. Do not operate you're Rvibrake without a properly functioning

### Break-away.

Remove all of the contents from the Break-away Package. (Fig. 1) Contents include:

- (A) 1 junction box with wiring harness.
- (B) 1 coiled break-away cable
- (C) 1 mounting bracket
- (D) 1 Velcro patch
- (E) 5 nylon ties
- (F) 2 rubber grommets
- (G) 2 10-32 machine screws
- (H) 2 sheet metal screws
- (I) 2 lock washers
- (J) 2 flat washers

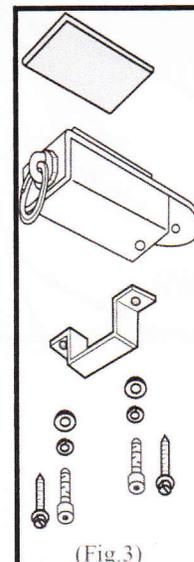
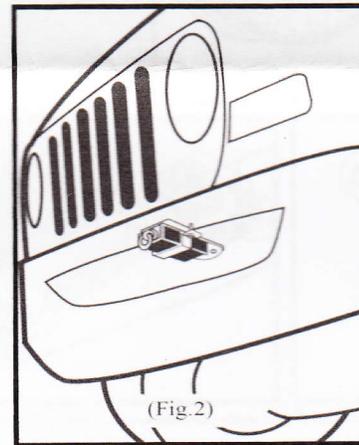


### Junction Box Installation

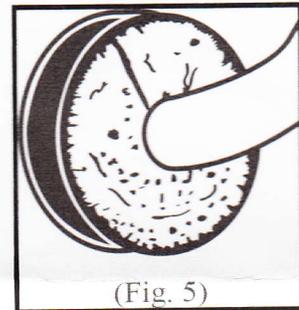
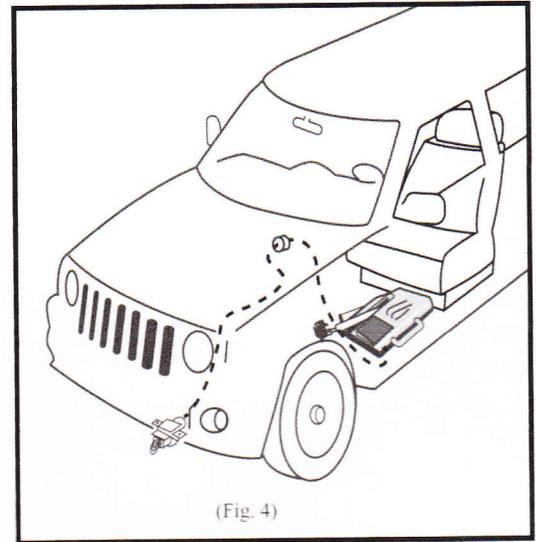
- 1) Find a convenient spot on the front of the towed vehicle, usually upside down under the bumper of the driver's side is the best place.
- 2) Clean the mounting surface and attach the Velcro patch. (fig. 2)
- 3) Attach the junction box (A) to the Velcro patch (D) so that the pin with the ring faces forward and the wiring harness feeds into the engine compartment.
- 4) Place the mounting bracket (C) over the Junction box (A) and mark the mounting holes.
- 5) Remove the mounting bracket (C) and junction box (A).

**Note:** If the mounting surface is plastic or thin sheet metal, drill the marked holes using a 1/8" drill bit and use the sheet metal screws (H) provided. If the mounting surface is thicker metal, drill the marked holes using a #25 drill bit, tap the holes using a 10-32 tap and use the 10-32 machine screws (G) provided.

- 6) Replace the junction box (A) and attach the mounting Bracket (C) using the sheet metal screws (H) or the 10-32 machine screws (G) provided. (Fig. 3)



- 7) Find a location on the firewall that will allow you to feed the wiring harness through into the passenger compartment of the towed vehicle. Use of existing hole would be most convenient.
- 8) If there is no existing hole, drill a 15/32" hole through the firewall. (Fig. 4) Be sure to inspect the opposite side of the firewall to insure you are not drilling into any components of the towed vehicle. In some cases it is easier to drill a hole from inside of the passenger compartment and then push a solid wire through the hole into the engine compartment and attach the black wire to it and pull it into the passenger compartment.
- 9) Starting from the junction box (A), route the black wire up to the firewall making sure that it is away from any hot surfaces in the engine compartment using the wire ties provided (E). (Fig. 4)
- 10) Feed the Black wire through the hole in the firewall and into the passenger compartment.
- 11) Place the split rubber grommet over the wire and work it into the 15/32" hole in the firewall. (Fig. 5)  
**Note:** Failure to properly install the rubber grommet may result in harmful fumes entering the passenger compartment or damage to the wiring harness.



#### Break-away operation

- 1) Attach the small clip on the coiled cable (B) to the ring on the Junction box (A). Then clip the larger clip on the Coiled cable (B) to the back of the motorhome. (Fig. 6 and 7.)  
**Do not wrap the coiled cable around the tow bar.**
- 2) Install the Rvibrake into your towed vehicle and plug the break-away wiring harness into the side of the housing.
- 3) Before starting on each trip, pull the Break-away pin to test that the break-away system activates the Rvibrake.
- 4) When the Rvibrake is not in use, coil the wiring harness under the dash or under your floor mat. (Fig. 8)

