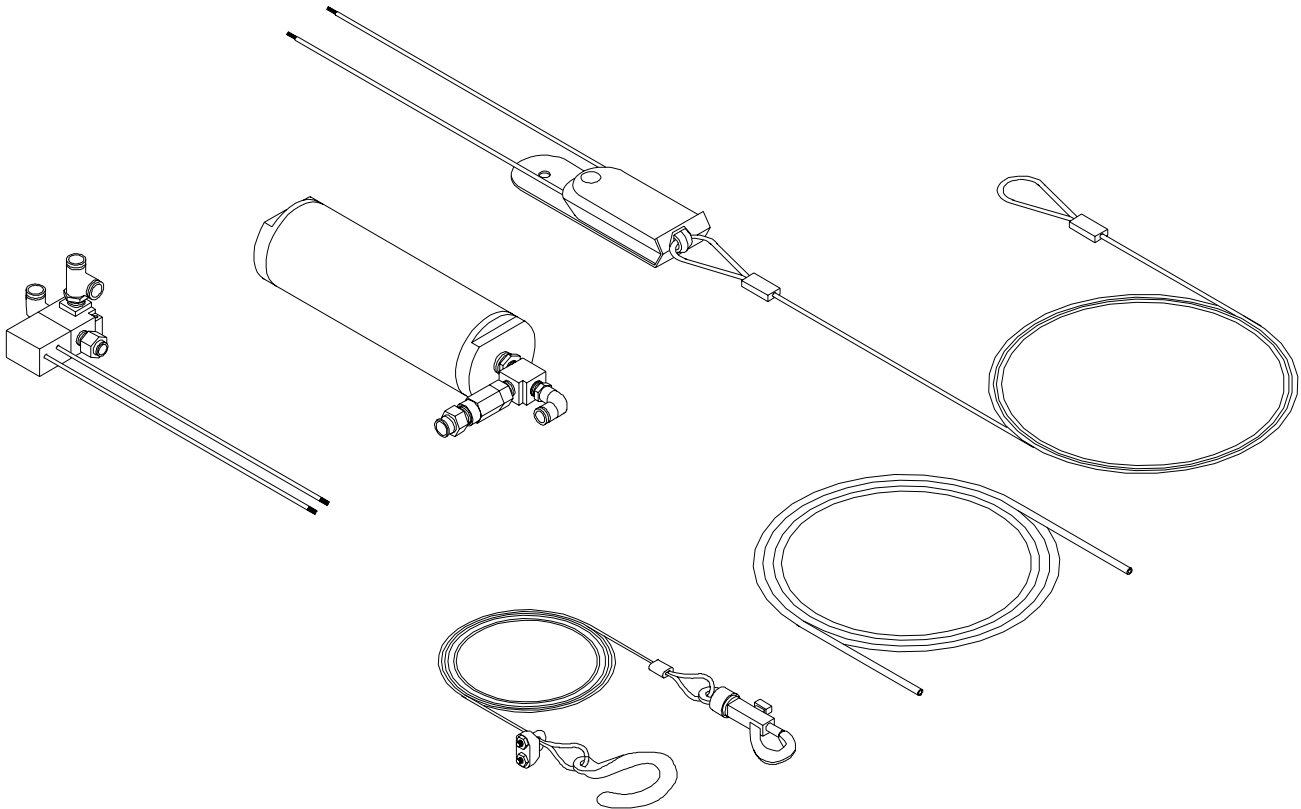




# BrakeLock II™

For Coaches w/Air Brakes  
used on BX88142 & BX88143



## OPERATOR, PARTS & INSTALLATION MANUAL

BX88141, BrakeLock II™

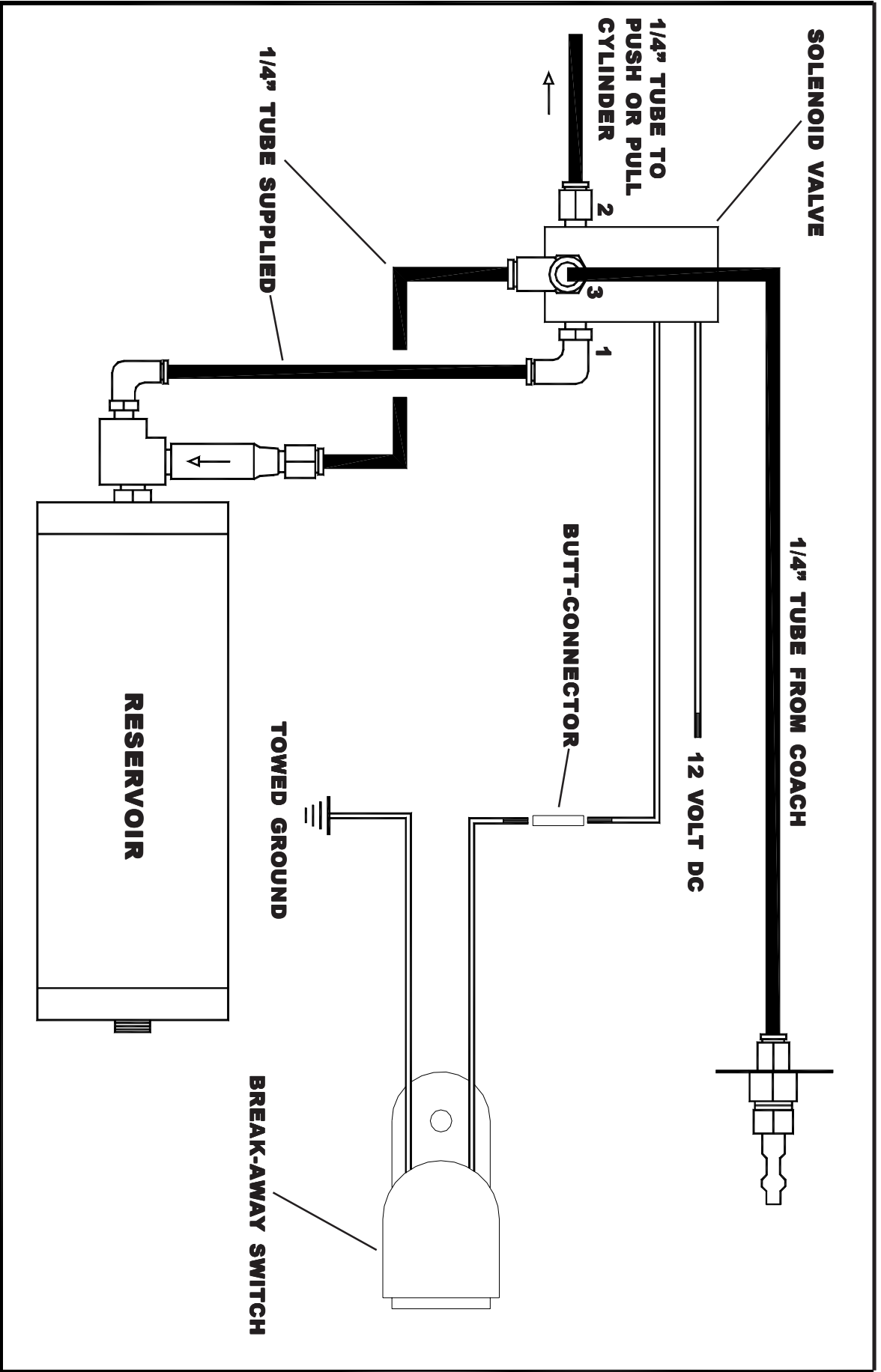
**Automatic**

TOWING PRODUCTS DIVISION

**BRAKELOCK II™** is a mechanically energized pneumatic device that stores air pressure from the coach's brake system and releases it to the air cylinder in the towed vehicle when a break-away occurs.

### **Installation**

1. Mount the break-away switch to the baseplate or towed vehicle's bumper, using a 1/4" bolt and jam nut (not included). Make sure it is in the center of the towed. Also, the break-away switch should be able to pivot from side to side.
2. Mount the solenoid assembly and reservoir assembly in a convenient location under the hood of the towed vehicle within a foot of each other with the wire ties provided.
3. With the two assemblies mounted, cut the 1/4" tubing to the appropriate lengths, depending on the distance between them. Cut the 1/4" tubing coming from the coach. Push the end coming from the coach into #3 port of the solenoid valve. Push the other end, which is coming from the brake cylinder, into #2 port of the solenoid valve. Look at Figure 1 for a detailed schematic. Cut two pieces of tubing from the tubing supplied. Install one from port #1 to the elbow fitting of the reservoir. Then install the other piece between the T-fitting of the solenoid valve to the check valve of the reservoir. Make sure the hoses are bottomed into the fittings.
4. Connect one wire of the solenoid valve to one wire of the break-away switch, (doesn't matter on either one). Then connect the other wire of the solenoid valve to 12 volt DC of the towed vehicle. Connect the other wire of the break-away switch to ground of the towed vehicle. Look at Figure 1 for a detailed schematic.
5. Connect the towed vehicle to the coach in the normal way. Find a convenient connection point for the lanyard hook. This point should be near the center of the coach. Adjust the length of the lanyard about 4 inches shorter than the safety cables stretched out. Loosen the adjustable clip, and adjust to this length. Cut off the excess cable. Hook the lanyard to the coach. Your BrakeLock II is now ready for use. **NOTE:** If a break-away occurs the towed vehicle will remain on the safety cables.



**FIG. 1**

**BREAKAWAY INSTALLATION  
(FOR USE WITH BX88142 & BX88143)**