

Installation instructions for the ECI Inline Brake Light Switch Assembly

NOTE: The IBLSA can be mounted in several different positions, but it is important that the user keep in mind that the unit be mounted so as not to trap air in the system. Although the protective boot supplied will adequately cover the electrical connections we strongly advise mounting the assembly out of any potential, or direct water or fluid spray areas. Try to position the protective boot towards the source of any contaminants. Seal the boot with silicone if required.

The electrical switch is rated at 35 amps @ 12 VOLTS DC. Wire your system accordingly.

The switch assembly can be mounted either horizontally as in figures 1 and 2, or vertically as in figure 3. Using horizontal mounting the lower connection is used as the inlet from the master cylinder. The switch end can be positioned on either end for ease of wiring. Vertical mounting must be done only as in figure 3. Installation with the fitting end down will trap air in the system. If the switch is a replacement for an existing hydraulic switch install as shown in Figure 4 using the existing T-fitting.

IMPORTANT: If you have a 10 psi residual pressure valve in the drum brake system mount the switch BEFORE the rpv. If your master cylinder has an internal 10 psi rpv mount the switch in the front (disc brake) system.

Install the switch assembly as follows;

New installations;

The switch assembly weighs only 6 ounces so it can be secured using a line clamp on the attached lines, although a clamp could be used on the body of the switch if preferred.

The switch was supplied with your choice of fittings already installed. For a new inline installation position the switch as desired, connect the lines and tighten the connections. Secure the switch to the frame as above. Fill and bleed the system as required.

Replacement installations;

If you are replacing an existing hydraulic switch install as shown in figure 4 with the plug at the top. Depending on the previous installation you may have to remove the T-fitting to install the new switch. Use the plug to bleed the air from the system during filling. Tighten when bled. Fill and bleed the system as required.

Wiring the switch

Connect the wires to the switch terminals using insulated no. 8 ring terminals for a secure installation. Connect the wires so they both come off the same side of the switch (parallel). Tighten the screws and then bend the terminals down towards the body of the switch. **MAKE SURE NO BARE CONDUCTOR TOUCHES THE METAL BODY OF THE SWITCH HOUSING.** This allows for a neater installation of the protective boot. Route the wires along the body of the assembly and then slip the boot over the switch body and down as far as it will go. Connect the wires per your system requirements. Seal the boot if required as above.

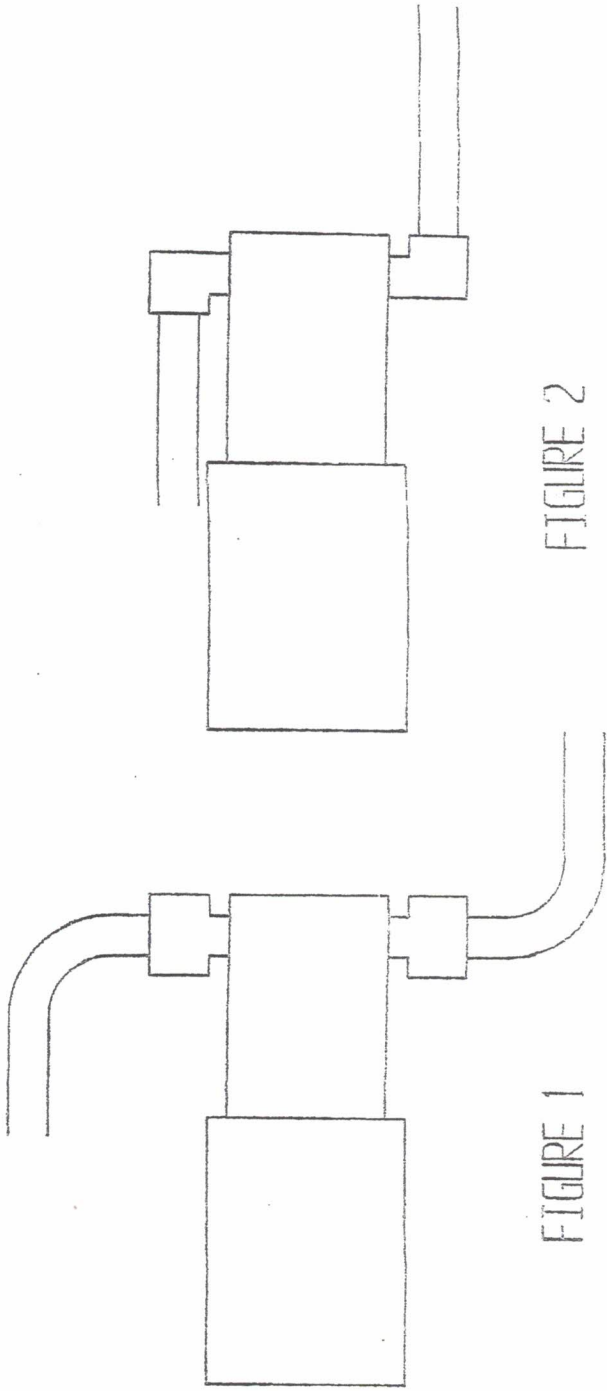


FIGURE 1

FIGURE 2

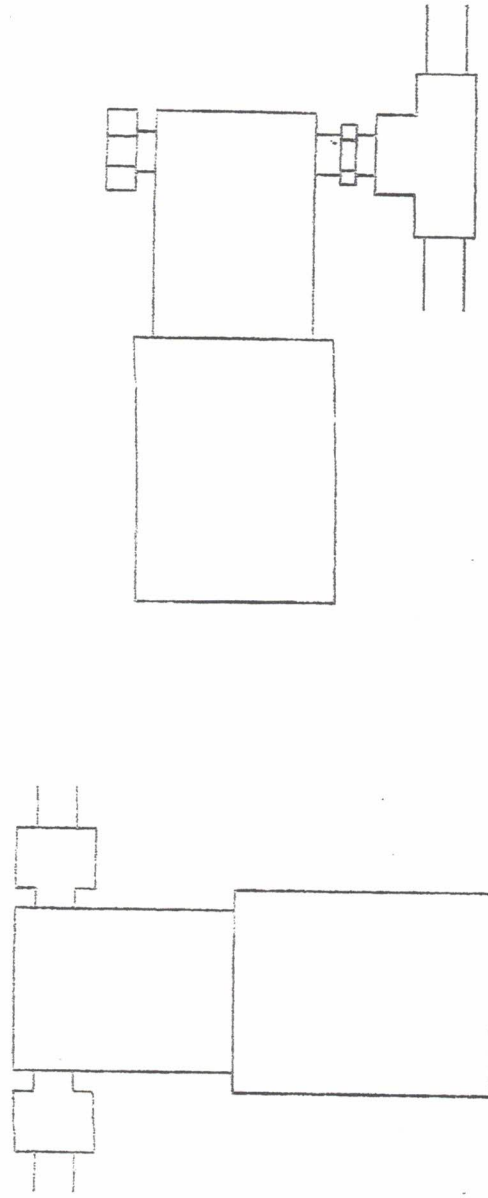


FIGURE 3

FIGURE 4