

P/N 25801

Please read these instructions completely before proceeding with the installation.

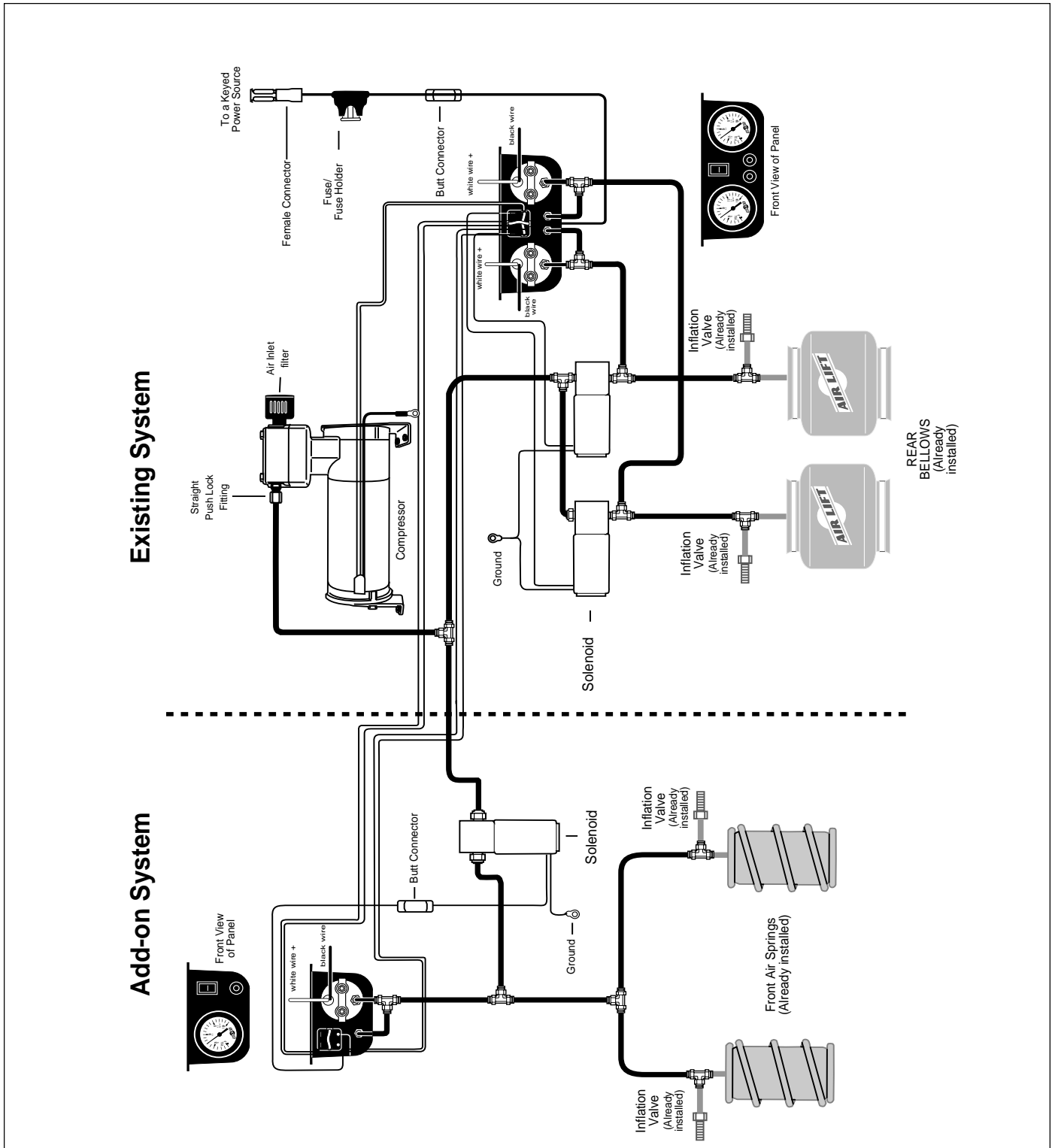


Figure 1

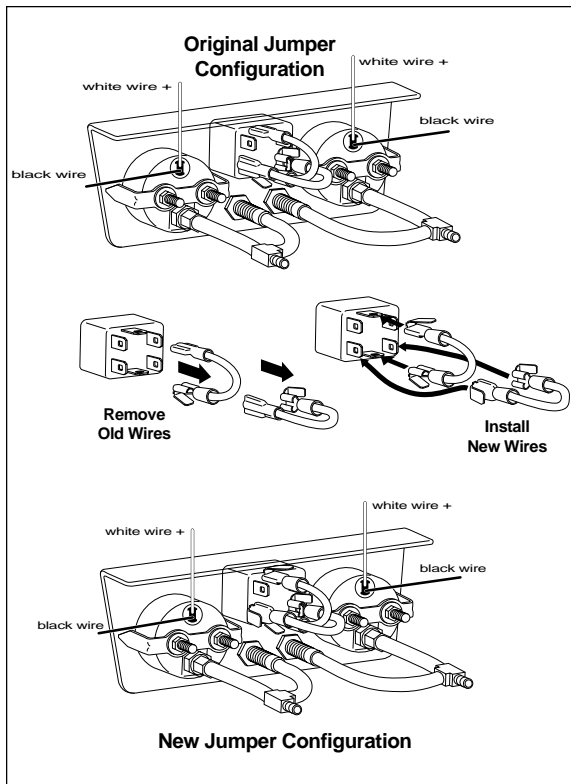


Figure 2

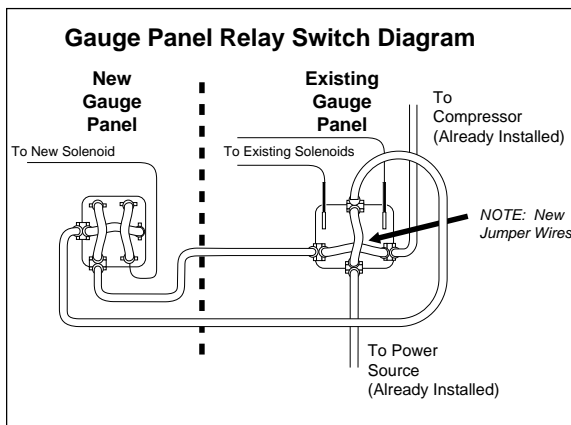
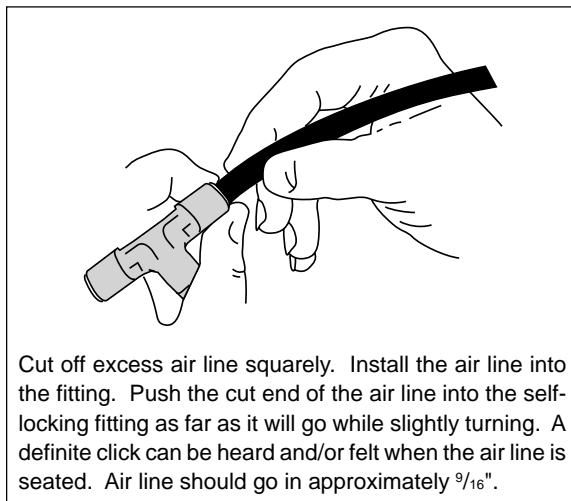


Figure 3



Cut off excess air line squarely. Install the air line into the fitting. Push the cut end of the air line into the self-locking fitting as far as it will go while slightly turning. A definite click can be heard and/or felt when the air line is seated. Air line should go in approximately  $\frac{9}{16}$ ".

Figure 4

## I. MOUNTING THE GAUGE PANEL

**NOTE:** All pre-assembled gauge panels have been 100% leak and function tested. DO NOT attempt to tighten, loosen or adjust any fittings or connections. This will likely cause a leak or malfunction and void the warranty.

1. Select a convenient, sturdy mounting location for the gauge panel, usually next to the existing gauge panel (Figure 2).
2. Using the gauge panel mounting bracket as a template, mark the mounting screw hole locations. Center punch and drill two  $\frac{1}{8}$ " diameter holes.
3. Position the gauge panel to the mounting surface and secure with 2 self-tapping screws.

## II. MOUNTING THE SOLENOID

1. Insert the two fittings into the solenoids. Tighten securely.
2. Select a convenient mounting location for the solenoid, which provides protection from the elements. Using the body of the solenoid as a template, mark the two holes and center punch and drill two  $\frac{5}{32}$ " holes. Use the #6 x 2" round head machine screws and nuts for mounting.

## III. WIRING THE ELECTRICAL CONNECTIONS

1. Two new jumper wires are provided with this kit to replace the ones on your existing gauge panel. Remove the leads from the compressor and from the power source, noting which terminal on the gauge panel each lead is connected to. Remove the old jumper wires and install the new ones (Figure 2). Connect the leads from the power source and the compressor.
2. Determine the amount of wire needed to connect the gauge panel. Cut and strip the wire, attaching female blade connectors on both ends. Install one end on the male blade connector attached to the top terminal on the original gauge panel, and install the other end on the male blade connector attached to the side terminal on the new gauge panel (Figure 3).
3. Determine the length of the second wire need to connect the 2 panels. Strip both ends and attach female blade connectors, in this case installing them on the male blade connectors on the lower left terminal of the original gauge panel and the lower left terminal of the new gauge panel (Figure 3).
4. Route the small red power wire for the illuminated gauge to an accessory power source. Attach the small black wire to an adequate ground.

#### IV. CONNECTING THE AIR LINES

1. Remove the air pressure from all air cylinders. Take the core out or use a tire gauge to bleed off the air pressure.
2. Note: Keep air line away from heat (exhaust system, etc.) and moving chassis components. Secure air line to frame with nylon tie straps provided.
3. Use a standard tube cutter, a razor blade, or very sharp knife to cut the air line. A clean square cut will ensure against leaks. Cut the air line already installed between each air cylinder and inflation valve. Install a tee between the two air lines connecting the two air springs (Figure 1 & 4).
4. Measure the distance from tee to the solenoid. Cut the air line to the proper length and install on last leg of tee previously installed between the air spring and the inflation valve.
5. Route air line coming from both air springs, along the frame and secure with nylon tie straps. Push the air line into one leg of the tee on the solenoid (Figure 4 & 5).
6. Measure distance between solenoid and control panel. Cut sufficient air line and attach one end into last leg of tee on solenoid and route air line to gauge and control panel (Figure 1).
7. Select a point in the air line between the compressor and the original solenoids, at which to install a tee. This will provide air for the new solenoid (Figure 6).
8. Cut the air line and install a tee (Figure 6).
9. Measure distance between the new solenoid and the tee. Cut a length of air line and install one end on the last leg of the tee.
10. Route air line to tee fitting installed in one of the ports in the solenoids. Attach air line as shown in Figure 6. *Caution should be used not to kink air line.*
11. Turn on ignition switch. Push button in and watch pressure increase on the air gauge. Inflate to 100 p.s.i. Inspect each connection with a soap and water solution. If a leak is found in the barbed fittings, reduce air pressure to zero and tighten threaded connections or remove air line, cut off one inch and reinstall.

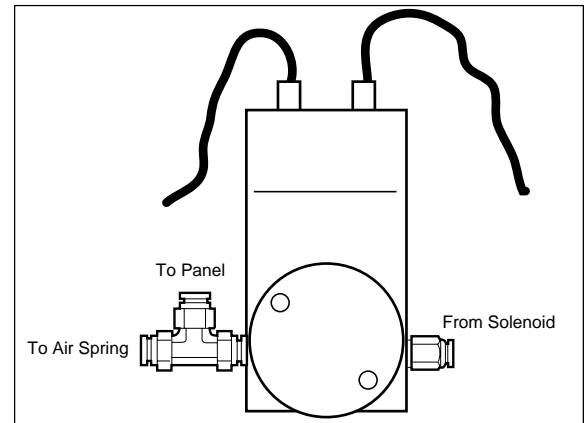


Figure 5

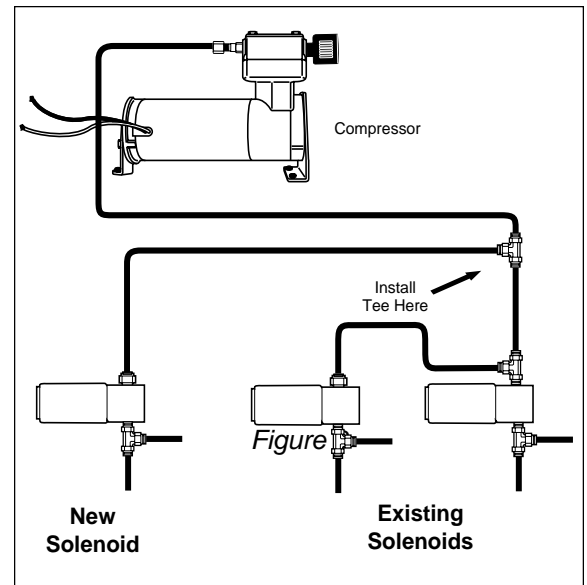


Figure 7



***Thank you for purchasing Air Lift Products***

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