

## Light Duty Air Command™

### INSTALLATION INSTRUCTIONS

Congratulations on your purchase of a new Light Duty Air Command™ kit. This kit was designed to provide inflation control of your air helper springs. This kit will be an asset to your vehicle, meeting nearly all of your air supply needs.

Please take a few minutes to read through the instructions, identify the components, and learn how to properly install your Light Duty Air Command™ kit.

### NOTE:

The Light Duty Air Command™ kit can be used with all air helper spring products. If you are installing an air suspension system, do not install the air line tubing to the air springs as stated in the suspension system instruction manual. If you are adding the Light Duty Air Command™ kit to an existing air suspension system, you will need to deflate the air springs and remove the air line tubing.

### NOTE ON CONNECTING THE AIR LINE TUBING:

Cut the air line tubing as squarely as possible. To connect the air line tubing to the fittings, push the tubing into the fittings as far as possible. If for any reason the tubing must be removed, first release the air pressure from the air helper spring. Push the collar toward the body of the fitting and the pull out the tubing. To reassemble, make sure the tubing is cut squarely and push the tubing back into the fitting.

### TOOLS REQUIRED:

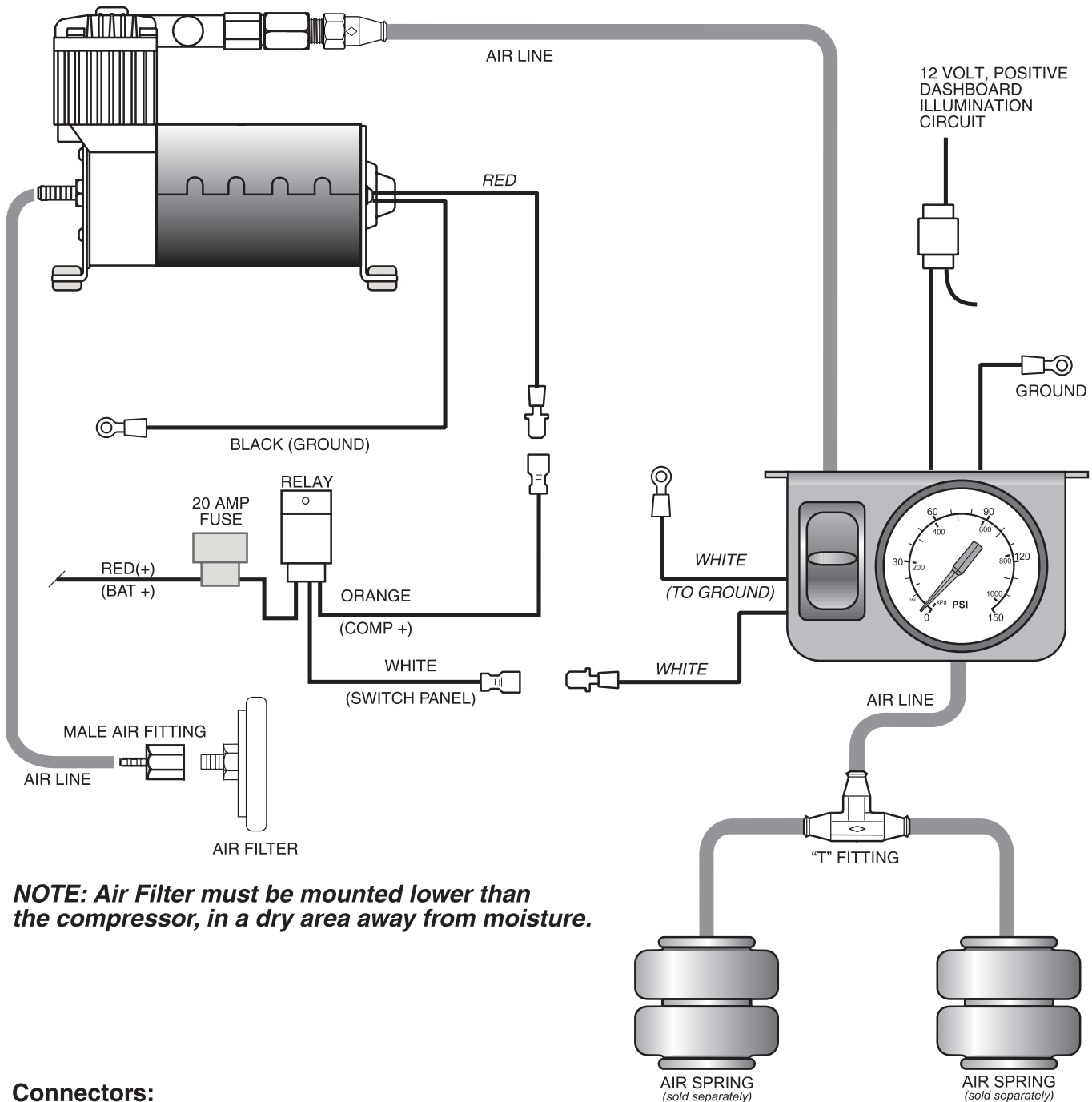
3/16" DRILL BIT	3/8" DRILL BIT
1/4" DRILL BIT	POWER DRILL
WIRE CRIMPER/STRIPPER	PLIERS
PHILLIPS SCREW DRIVER	UTILITY KNIFE
(2) 7/16" WRENCHES	CENTER PUNCH

### PARTS LIST

SINGLE AIR CONTROL PANEL		1	10 -32 X 1" MACHINE SCREW	7
COMPRESSOR	9377	1	10 -32 LOCK NUT	7
RELAY HARNESS	9307	1	#10 FLAT WASHER	14
30 FT. AIR LINE TUBING		1	RING TERMINAL	1
1/8" NPT PUSH-TO-CONNECT STRAIGHT FITTING	3055	1	WIRE CONNECTOR	1
PUSH-TO-CONNECT T-FITTING	3025	1	NYLON TIE	15

# AIR LINE & WIRING DIAGRAM

**FIGURE "A"**



## Connectors:



Male spade connector



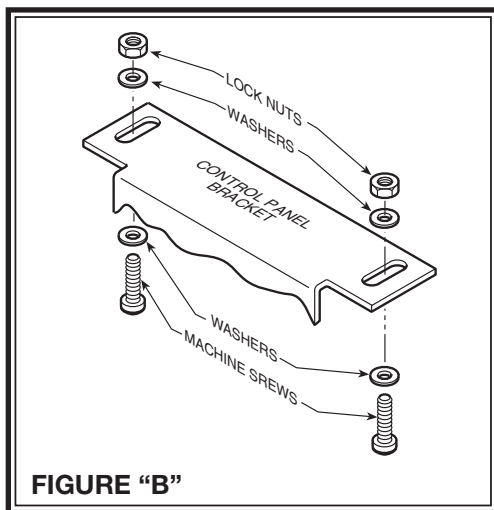
Female spade connector



Ring Terminal



Wire connector



### STEP 1—SELECT A MOUNTING LOCATION FOR THE CONTROL PANEL

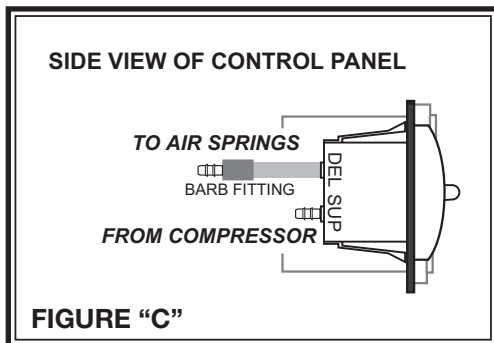
Select a mounting surface under the dashboard or other protected location. Using the control panel as a template, mark each of the mounting points with a center punch. Drill a 3/16" diameter hole on each center mark *see Figure "B"*. Do not attach the control panel at this time.

### STEP 2—PREPARE THE COMPRESSOR

Install the 1/8" NPT straight fitting into the head of the air compressor *see Figure "A"* (Torque to 30 -in. lb).

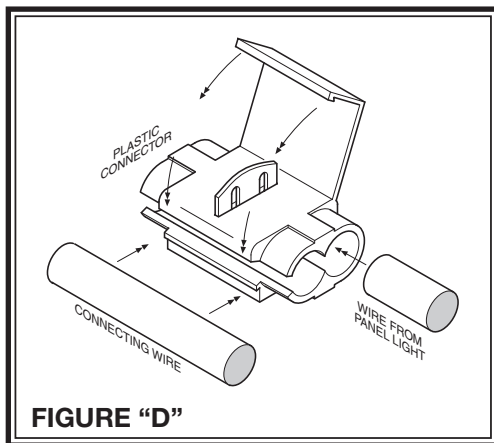
### STEP 3—MOUNT THE COMPRESSOR

Begin by removing the negative battery cable. Select a convenient location to mount the compressor. This location should provide ample air flow and be protected from airborne debris and moisture. Mark and drill four 3/16" holes using the compressor as a template for the hole location. Any burrs in the holes should be removed to prevent damage to the rubber isolators. Mount the compressor using the supplied 10-32 x 1" machine screws, 10-32 lock nuts, and 3/16" washers, *see Figure "A"*. Over tightening will crush the brass insert and the rubber isolator, reducing vibration isolation. Before drilling, ensure that there are no electrical, fuel, or brake lines on the opposite side of the mounting surface that can be damaged by the drill. Attach the ring connector on the compressor to a suitable ground source on the vehicle *see Figure "A"*.



### STEP 4—ROUTE THE AIR LINE

Before installing the air line tubing, ensure that there is no pressure in the air springs. To release the air pressure, remove the valve core from the inflation valves or release the pressure by using a tire gauge to depress the valve stem.

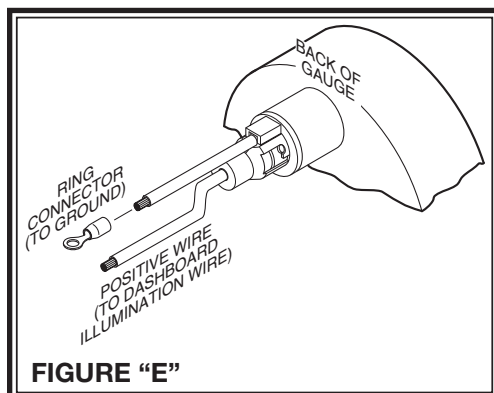


#### A) Compressor to control panel

Cut a piece of air line tubing that will reach from the control panel to the compressor. Cut the air line tubing as squarely as possible and install the tubing on to the barbed fitting on the back of the switch marked **SUP** (supply) *see Figures "A" & "C"*. Before attaching the air line tubing to the control panel, soak the end (1") of the air line in warm water for a few minutes to soften the tubing. Do not use pliers to work the tubing on to the barbed fitting, as the tubing may be damaged. It may be necessary to drill a hole in the firewall to route the tubing. **Do not fold or kink the tubing.** Ensure that the tubing is protected from sharp edges when passing through the firewall.

#### B) Control panel to air springs

Cut a length of air line tubing that will reach from the control panel to the rear of the vehicle. Slide the tubing as far as possible onto the barbed fitting marked **DEL** (delivery) on the back of the paddle switch *see Figures "A" & "C"*. Before attaching the air line tubing to the barbed fitting on the gauge panel, soak the end of the tube (1") in hot water for a few minutes to soften the tubing. Do not use pliers to work the tubing on to the barbed fitting, as the tubing may be damaged. Install a T-fitting on the opposite end of the tubing at the rear of the vehicle. Route a length of air line tubing from the T-fitting to each air spring. Use the supplied nylon ties to secure the tubing to the vehicle. Make sure that the tubing is protected from sharp edges when passing through the firewall.



### STEP 5—ATTACH THE CONTROL PANEL TO THE DASHBOARD

Place the air control panel on the dash where the holes were drilled in Step 1. Using the provided machine screws and nuts, attach the air control panel to the dashboard or other selected mounting surface *see Figure "B"*.

### **STEP 6—ROUTE THE ELECTRICAL WIRE**

Install the relay within three feet of the compressor. Nylon ties can be used to secure any excess wire and the relay neatly into place. Route the white wire labeled “Switch Panel” to the control panel. Connect the white wire to one of the white wires on the back of the switch. The remaining white wire will be grounded to the vehicle. Next, connect the orange wire labeled “Comp +” to the red (positive) wire on the compressor. Connect the red, fused wire labeled “Bat +” from the relay to the battery or another 12V (positive) source capable of supporting 20 amps. **See Figure “A”.**

### **STEP 7—CHECK THE SYSTEM**

With the Light Duty Air Command™ kit and your air helper springs installed, you are ready to test the system. Reattach the negative battery cable. Turn on the vehicle’s ignition. Push the paddle switch up to inflate the air springs. The gauge will display how much air pressure is in the air springs. Inflate the air helper springs to 70 psi, or the maximum pressure of the air springs, whichever is less, and check the fittings for air leaks with an applied solution of soap and water. If a leak is detected at a tubing connection, check to make sure that the tube is cut as square as possible and that it is pushed completely into the fitting. The tubing can easily be removed from the fitting. First, release the pressure from the air spring. Push the collar towards the body of the fitting and pull out the tube.

### **SYSTEM OPERATION**

The Light Duty Air Command™ kit allows the air springs to be inflated from the inside of the vehicle. Push the paddle switch up to inflate the air springs and push the paddle switch down to deflate the air springs.





# Do Not Return This Product to the Dealer or Distributor

If you are

- missing parts,
- experiencing installation problems, or
- have technical concerns regarding this product,

you may contact a Firestone Technical Service Representative at [rrtech@fsip.com](mailto:rrtech@fsip.com) or at 800-888-0650 (option 1, and then option 2). Representatives are available from 7:30 a.m. – 4:30 p.m. Eastern on Monday – Friday, excluding holidays. If you are located outside of the United States, you should first contact your distributor or dealer directly with any issues.

When contacting Technical Service, please have the kit or part # ready, along with the make, model, and year of the vehicle. You may also need to provide details, such as 2WD/4WD or if the vehicle has been lifted or lowered from stock height.

If you have a warranty concern, please include in your email a detailed description of the situation, a photo(s) of the issue, and your contact information, including ship-to address.

**WARRANTY COVERAGE\***— The Ride-Rite™ kits, components, and accessories are warranted against defects in workmanship and materials. This warranty does not cover service or labor charges, neglect...to the product.

## **PERIOD OF COVERAGE:**

- |                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| • Ride-Rite air springs – Lifetime Limited  | • Work-Rite load assists – 2 Years Limited          |
| • Sport-Rite air springs – Lifetime Limited | • Air-Rite accessories – 2 Years Limited            |
| • Coil-Rite air springs – Lifetime Limited  | • Brackets, hardware, fittings, air line, and other |
| • Level-Rite air springs – Lifetime Limited | components – 2 Years Limited                        |

**HOW TO MAKE A WARRANTY CLAIM** — If you purchased your air springs in the U.S. or Canada and believe you have a part with a warrantable defect, call Firestone directly at 1-800-888-0650.

International customers should contact their distributors or dealers directly with any problems.

(\*) Please refer to the “Firestone Limited Lifetime Air Spring Warranty” for details, terms, and conditions.

## **FIRESTONE LIMITED LIFETIME AIR SPRING WARRANTY**

Firestone Industrial Products Company LLC ("Firestone") warrants that its Ride Rite Air Spring Assembly will perform according to the manufacturer's specifications for as long as the vehicle on which the system was originally installed is owned by the original retail purchaser. This limited warranty does not include installation or other service charges for replacement.

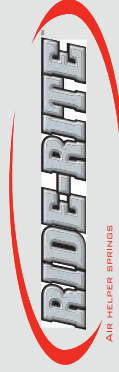
### Warranty Period

The Air Spring is warranted for as long as the original purchaser owns the vehicle on which it was originally installed. The fasteners and upper and lower brackets which accompany the air spring are warranted for a period of twenty-four (24) months or 24,000 miles whichever occurs first. This warranty begins on the original retail delivery date.

### What is Covered

Any implied warranties are limited in duration to the coverage period of this warranty (some states do not allow limitation on how long an implied warranty lasts so the above limitation may not apply to you). This Warranty runs in favor of the original retail purchaser when the Ride Rite Air Spring Assembly is used under normal operating conditions according to Firestone's specifications and installed on the appropriate application. This warranty does not apply to Ride Rite Air Spring Assemblies that have been improperly applied, improperly installed, used in racing or off road applications or used for commercial purposes. In addition, the warranty will not apply to products which have not been maintained and serviced according to the instructions that accompany the air spring assembly. The consumer will be responsible for any costs incurred in removing the product from the vehicle and the cost to return the air spring assembly to the dealer or installer from which it was purchased. If it is determined that the Ride Rite Air Spring Assembly failed as a result of a manufacturing defect, Firestone will repair or replace, at its option, any product or components subject to this warranty. You should retain a copy of your contract with your installer and your receipt as proof of the date of installation. This warranty is non-transferable and is not assignable in any way.

Firestone specifically excludes any obligation for consequential damages or incidental expenses including claims for loss of use of the product, loss of time, inconvenience, or commercial loss. This warranty gives you specific legal rights. You may also have other rights that may vary from state-to-state. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages. The above limitation or exclusion may not apply to you. There are no warranties, express or implied, including implied warranty of merchantability and fitness which extend beyond this warranty.



**Firestone**  
World's Number 1  
Air Spring.

FIRESTONE INDUSTRIAL PRODUCTS COMPANY