### INSTALLATION INSTRUCTIONS

#### PARTS LIST

**AIR CONTROL KIT (13501019)**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>QTY</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>1301-0084</td>
<td>VALVE-PRESSURE PROTECTION</td>
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<td>2</td>
<td>13010571</td>
<td>LIFT AXLE CONTROL MODULE</td>
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<td>3</td>
<td>1302-5100</td>
<td>ELBOW, 1/4 TB 1/8 M-NPT, PUSH-IN DOT</td>
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<tr>
<td>4</td>
<td>13025095</td>
<td>ELBOW-SWIV 90 - 3/8&quot; TB X 3/8 MNPT DOT</td>
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<td>13025099</td>
<td>ELBOW-SWIV 90 - 1/2&quot; TB X 1/2 MNPT DOT</td>
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<td>13501018</td>
<td>AIR CONTROL ASSEMBLY</td>
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<td>7</td>
<td>1500-1318</td>
<td>PLATE-SWITCH, LIFT</td>
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<td>8</td>
<td>1505-0350</td>
<td>SWITCH-TOGGLE</td>
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<td>1505-0351</td>
<td>RELAY</td>
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<td>1505-0353</td>
<td>CONNECTOR-PUSH-ON, FEMALE</td>
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<td>1505-0354</td>
<td>RELAY BASE</td>
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<td>12</td>
<td>80001916</td>
<td>MANUAL-INSTALLATION, 13501019</td>
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**OPTIONAL:** For quicker and easier installation an additional Installation Kit (Link Mfg. part # 800A0256) provides a complete set of fasteners, connectors, airline, and wire for use with this kit. For details call Link Mfg. Customer Service at 1-800-222-6283.
NOTES:
1) Use 1/4", 3/8", and 1/2" DOT airline for all plumbing between fittings as shown per figure 2. Use brass DOT fittings for all plumbing connections. Use 14-gage primary wire for all electrical connections.
2) Considerations should be made to route all wiring and airline in protective locations away from any moving parts.
3) Cable ties or other fastening devices may be required to secure airline, wire and/or fittings to truck/suspension.
4) Apply Permatex #807 or comparable anaerobic pipe thread sealant to fill three exterior pipe threads on brass fittings and tighten 1-1/2 revolutions beyond hand tight.

Non-Steer suspension with lift axle up when ignition is off.
**ITEM**  | **PART DESCRIPTION**  
---|---  
1 | VALVE-PRESSURE PROTECTION  
2 | REGULATOR—AIR PRESSURE  
3 | GAUGE—AIR PRESSURE  
4 | LIFT AXLE CONTROL MODULE  

**FIG. 3**

**ELECTRICAL INSTRUCTIONS**

**CAUTION:** Always disconnect the battery while working with the vehicle’s electrical system.

A. Make all wiring connections to fuse, truck, and toggle switch as shown in Figure 3. **IMPORTANT:** Make sure that the toggle switch is wired so that the lift axle is down when the switch is on.

B. Ground one of the white wires from the solenoid valve. **NOTE:** Make sure the 12VDC source is switched (turns off with the key).

C. Mount the toggle switch and toggle switch plate to the interior of the truck in a desired location. **NOTE:** Make sure that lift axle position correlates with “Raise”/“Lower” position on toggle switch plate (tab on toggle switch plate may need to be removed).

D. When all electrical connections have been made, reconnect the battery, pressurize the system and tighten any fittings that are leaking.

**FIG. 2**

**ELECTRICAL SCHEMATIC**

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**FIG. 3**
Steerable suspension with lift axle up when ignition is off.

PLUMBING INSTRUCTIONS

A. Connect the pressure protection valve directly to the air supply tank on the truck. **IMPORTANT:** Make sure direction of flow for the system matches flow indicator on the pressure protection valve.

B. Securely mount the Lift Axle Control Module to the truck in a relatively protective location, making sure that the exhaust is oriented down.

C. Loosely mount the Air Control Box Assembly to the truck exterior in desired location for driver convenience, making sure the air controls are easily accessible.

D. Securely mount the Exhaust Valve to the suspension cross-member.

E. Route all airline to your suspension using the plumbing schematics in Figures 4 and 5.

F. Secure control box and any loose components to the truck.
ELECTRICAL INSTRUCTIONS

CAUTION: Always disconnect the battery while working with the vehicle’s electrical system.

A. Mount the relay base to the truck in a protective location. NOTE: If there is an open slot in the truck’s relay panel and you wish to wire your relay through this panel you will not need the supplied relay base.

B. Make all wiring connections to fuse, relay, and truck as shown in Figure 6, crimping Push-On Connectors to wires and mounting them in the supplied relay base. NOTE: Make sure the 12 VDC source is switched (turns off with the key)

C. Make connections to the toggle switch from terminal 87a on the relay, and the blue wire from the solenoid valve.

D. Ground the brown and striped green wires from the cable on the solenoid valve. NOTE: The striped green wire may also be left unconnected.

E. Mount the toggle switch and toggle switch plate to the interior of the truck in a desired location. NOTE: Make sure that lift axle position correlates with “Raise”/“Lower” position on toggle switch plate (tab on toggle switch plate may need to be removed).

F. When all electrical connections have been made, reconnect the battery, pressurize the system and tighten any fittings that are leaking.

ITEM   PART DESCRIPTION
1 VALVE-PRESSURE PROTECTION
2 REGULATOR—AIR PRESSURE
3 GAUGE—AIR PRESSURE
4 LIFT AXLE CONTROL MODULE

FIG. 5

FIG. 6