



3.4 AUXILIARY ACCESSORIES INSTRUCTIONS

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48-10-01-001 - 3.4 Auxiliary Accessories



Important Notes:

Prior to beginning this or any installation read these instructions to familiarize yourself with the required steps and evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation instructions.

Refer to the parts list to ensure that all necessary components and hardware has been included. If any parts are missing please contact your local TeraFlex dealer for assistance.

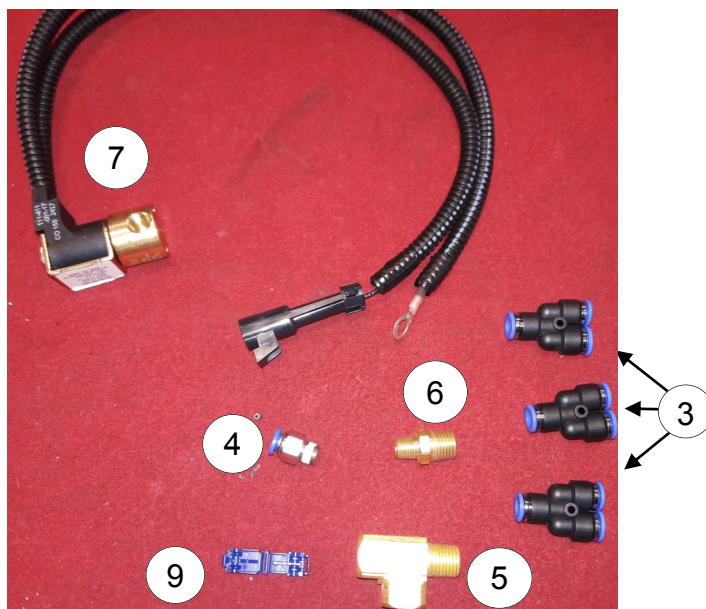
Any good quality onboard compressor can be used for this kit. For this install example we are using an ARB compressor that is installed in the engine bay. If using another brand and or if your compressor is mounted else where, you will need to make the appropriate changes to apply this kit to your setup.

Also note that if the compressor is mounted under the passenger seat a harness extension (listed below) will need to be purchased.

59-09-01-002: Electrical (S), Wire Harness, Solenoid / L-Series Switch, Pneumatic Base Valve Extension

Tools needed:

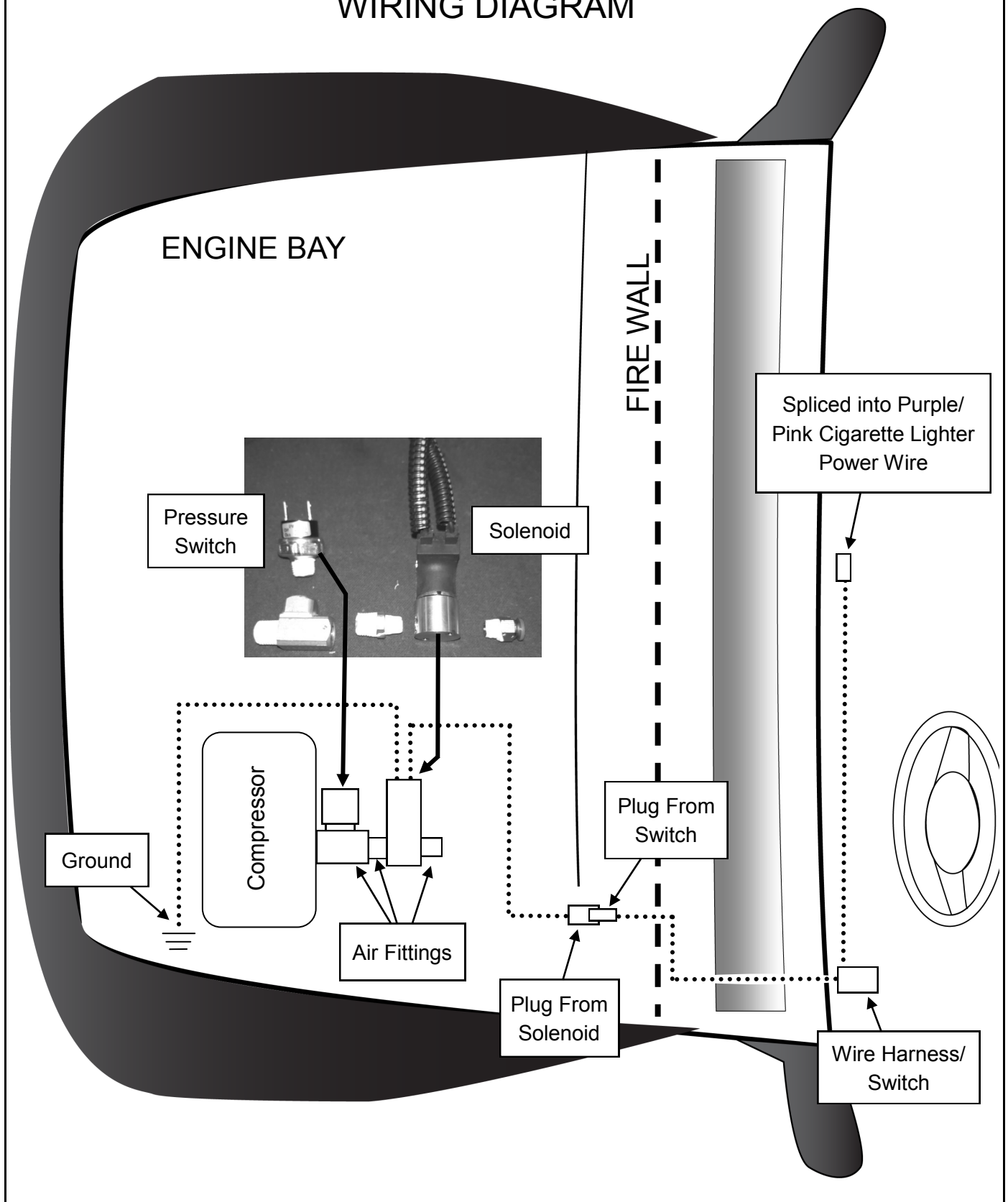
- PVC Pipe Cutter or Razor Knife
- 7mm Socket and Ratchet
- Plastic Body Panel Pry Tool



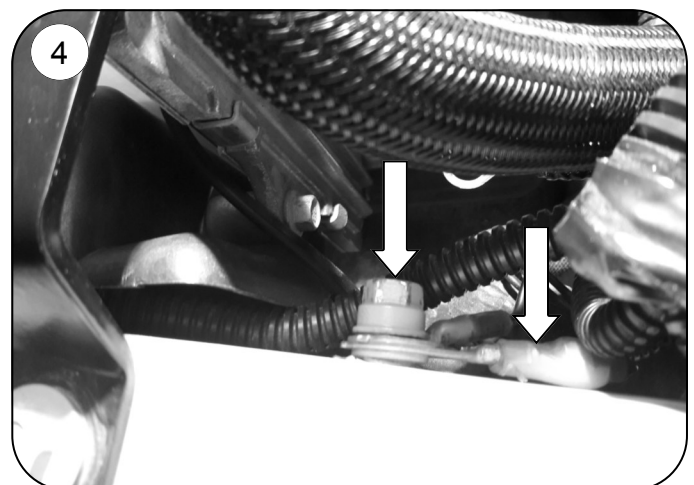
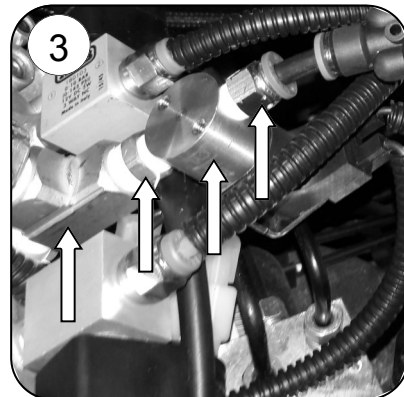
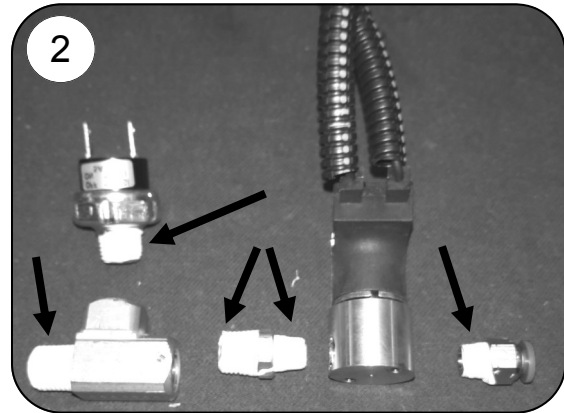
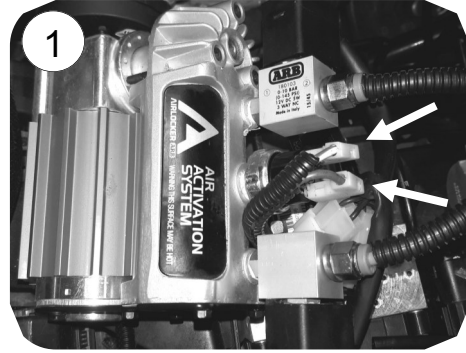
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Item #	Part #	Description	QTY
1	18-01-01-001	Hose (T), Pneumatic, Plastic, 1/4" OD / 50' Length	1
2	195	Zip Tie For Brake Lines in PreRunner Kit	20
3	48-05-01-004	Fitting, Push-To-Connect, 1/4" OD Y Union	3
4	48-05-01-005	Fitting, Push-To-Connect, 1/4" OD - 1/8" NPT Male Straight Fitting	1
5	48-05-02-001	Fitting, Street Tee, 1/4" FNPT X FNPT X MNPT	1
6	48-05-03-001	Fitting, Pipe Reducer, 1/4" NPT / Male 1/8" NPT	1
7	59-01-02-001	Electrical, Solenoid, Assembly, Female Connector / Solenoid Body	1
8	59-02-01-002	Electrical, Switch, Rocker / L-Series, Etched / Falcon	1
9	59-03-01-001	Electrical (S), Scotchlok, T-Tap, 18-14 AWG / Blue	1
10	59-09-01-001	Electrical, Wire Harness, Solenoid / L-Series Switch, Pneumatic Base Valve	1

WIRING DIAGRAM



1. Lift the vehicle and support it by the frame.
2. Remove tires and wheels. **If installing new 3.4 Falcon Shocks follow the instructions included with the shocks. **If installing 3.4 Falcon Cartridges in your existing 3 Series Falcon Shocks follow the instructions included with the 3.4 cartridge kit.*
3. Locate an air outlet on your compressor that you can tie the provided solenoid into.
4. **For this example, we are tying into the 1/4" NPT pressure switch port, but another outlet port can be used for your setup.**
Remove the wiring from the pressure switch. **(Fig. 1)**
5. Remove the pressure switch from the compressor.
6. Wrap thread seal tape onto the removed pressure switch, the male end of the provided tee fitting, the provided push-to-connect fitting and onto both ends of the provided pipe reducer. **(Fig. 2)**
7. Tightly install the tee fitting into the compressor, where the pressure switch was, followed by the pipe reducer. **(Fig. 3)**
8. Tightly install the provided solenoid onto the pipe reducer. **For our setup we needed to temporarily remove both of the push-to-connect fittings to clear the solenoid as it was installed. Any NPT fitting removed will need new thread seal tape when reinstalled.**
9. Tightly install the provided push-to-connect fitting and reinstall the pressure switch.
10. Install the ground wire from the solenoid onto a well grounded location. **For our applications we installed the ground wire onto an existing ground bolt on the drivers side fender.** **(Fig. 4)**



11. Remove the side panel from the dash (on the driver's side). **(Fig. 5)**

12. Remove the window switch panel. **(Fig. 6)**

13. Press the retaining clip, that is on the window switch connector, sliding it over. **(Fig. 7)**

14. Remove the connector from the window switch (press down catch tab). **(Fig. 8)**

15. Remove the 7mm bolt from the dash where the window switch panel was. **(Fig. 8)**

16. Remove the rubber lining from the catch all cavity. **(Fig. 9)**

17. Remove the 7mm bolt from the bottom of the catch all cavity. **(Fig. 10)**

18. Pull down to remove panel from under the steering column. **(Fig. 11)**

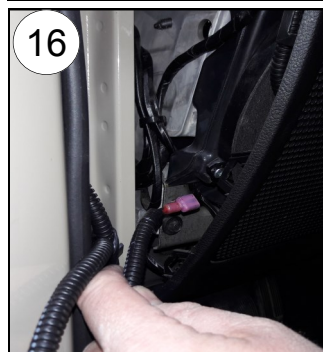
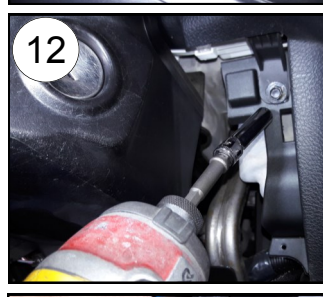
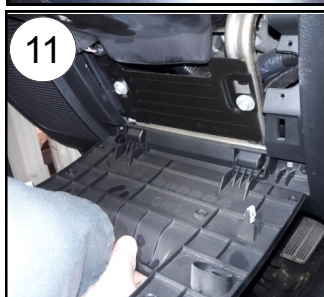
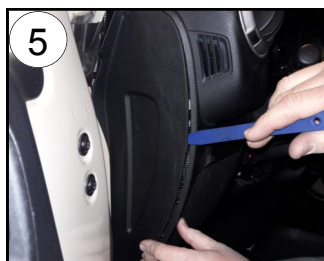
19. Remove the 7mm bolts (2) from both sides of the steering column. **(Fig. 12)**

20. Remove the upper driver's side dash panel with a quick tug. **(Fig. 13)**

21. Remove the climate control panel. *When this panel is removed it sounds like plastic is breaking, do not be alarmed.* **(Fig. 14)**

22. Locate the wiring harness with the switch. **(Fig. 15)**

23. Route the power wire from the wiring harness into the side of the dash, at the bottom. **(Fig. 16)**



24. Route power wire along the bottom edge of the dash panel and into the rear side of the climate control panel opening. **(Fig. 17 and 18)**

25. Locate the purple/pink cigarette lighter power wire. **(Fig. 19)**

26. Crimp the provided splice terminal onto the blue wire with a pink stripe. **(Fig. 20)**

27. Connect the power wire to the splice terminal. **(Fig. 20)**

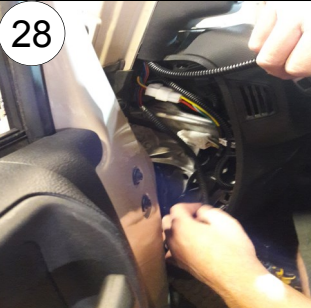
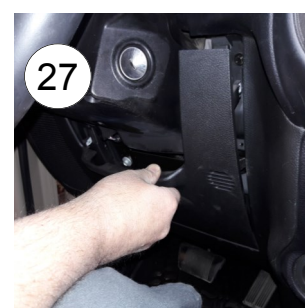
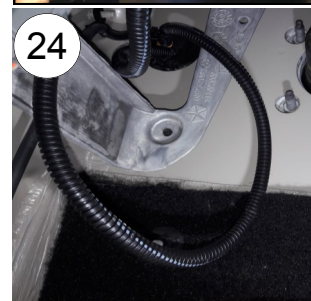
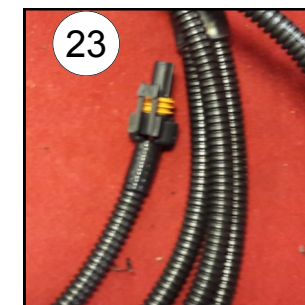
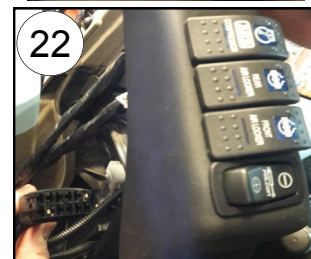
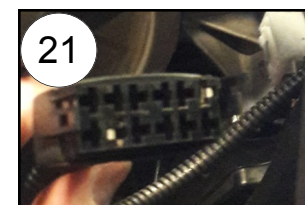
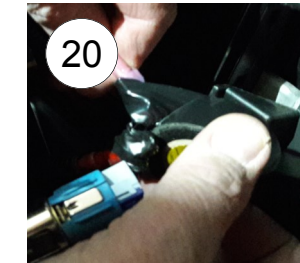
28. To help keep connection from coming loose, wrap electrical tape around the blue wire with the pink stripe, splice terminal, and power wire.

29. Install the 3.4 Falcon Shocks rocker switch.
The switch can be mounted in a number of location on the dash or else where. With our application we were able to install the rocker switch into an available slot in an after market A-pillar switch panel. **(Fig. 21 and 22)**

30. Route the solenoid activator wire/plug through the fire wall and plug it into the solenoid. **(Fig. 23, 24 and 25)**

31. Reinstall the climate control panel, dash with bolts, catch all cavity liner, and the window switch panel. **(Fig. 26 and 27)**

32. Coil up any excess wire, from the harness, behind the side dash panel and install the panel. **(Fig. 28)**

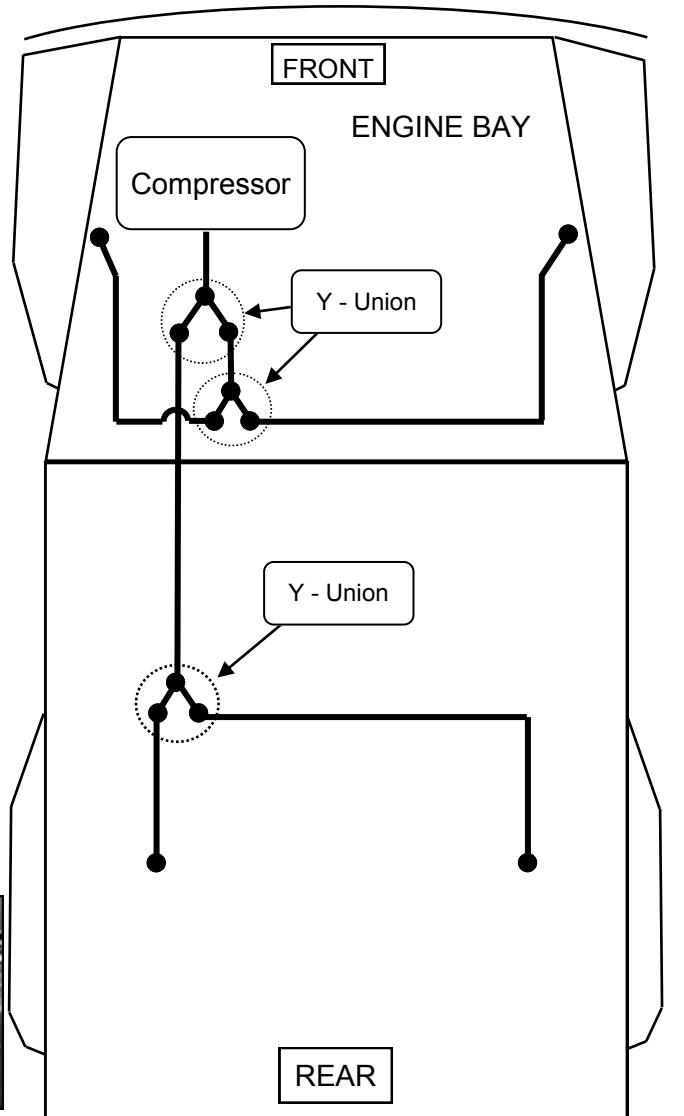
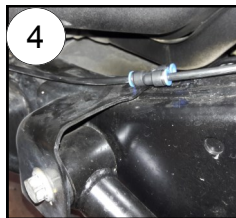
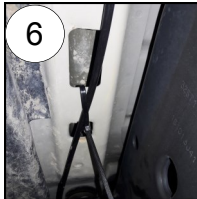
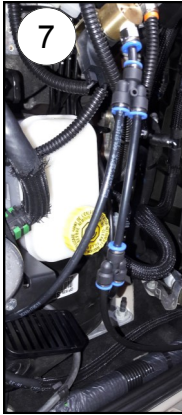


Routing Pressure Lines

This pressure line diagram gives the general idea of how to go about routing the pressure lines and parts of the Jeep to be careful of.

We found it helpful to start with the rear and to have the rear axle at full droop.

1. Loosely run the lines from the 3.4 Falcon Shock push-to-connect fitting (**Fig. 1**) up the break lines (**Fig. 2 & 3**), along the frame and to the front of the upper frame side control arm mount (**Fig. 4**). For the passenger side run the line over the gas tank and along the filler hose and over to the driver side (**Fig. 4 & 5**). Use provided zip ties to loosely hold lines in place.
2. Make sure the line is away from the exhaust and any moving parts. *Y - Unions can be installed now or at the end so the extra length of line can be cut out after zip tying.*
3. From the passenger side run a new line starting from where the two rear lines come together, (**Fig. 4**) forward along the frame or the bottom the Jeep body and into the engine bay (**Fig. 6 & 7**).
4. For the front lines start at the compressor. Run one line down to the driver shock press-to-connect fitting (**Fig. 8**) and run the other line along the fire wall and down to the passenger side shock. Install zip ties where needed to keep the lines away from exhaust and moving parts.
5. Pull out the slack on each line and trim any excess. Tighten the zip ties and install the Y-Union fittings (**Fig. 4 and 7**). *Make sure the pressure lines are install into each push-to-connect firmly or else the connections can leak. Test each connections for leaks using soapy water*





PRODUCT INFORMATION

MAINTENANCE INFORMATION:

It is the buyer's responsibility to have all suspension, drivetrain, steering, and other components checked for proper tightness and torque after the first 100 miles and every 3000 miles after that.

NOTICE TO INSTALLER:

The enclosed "Warning to Driver" sticker must be installed in the vehicle in driver's view. This sticker is to act as a constant safety reminder when operating the vehicle. It is your responsibility as the equipment installer to install the provided sticker and to forward the product instructions to the vehicle's owner for review. If a "Warning to Driver" sticker or product installation guide were not included in the kit, FREE replacement stickers and instructions are available by request. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed.

WARNING:

Neither the seller nor the manufacturer will be liable for any loss, damage, or injury directly or indirectly arising from the use of or inability to determine the use of these products. Before using, the user shall determine the suitability of the products for its intended use, and the user shall assume all responsibility and risk in connection therewith.

WARNING TO DRIVER:

This vehicle has been modified to enhance off road performance and has unique handling characteristics. Use in harsh environments can cause extreme stress on the components. Vehicle should be inspected after being off road to make sure that all the components are in working order and safe to travel on the highway. All fasteners should be checked so that they are at the correct torque specifications as the vibration and stresses from off roading may cause critical fasteners to work loose. Extra care should be taken to inspect the critical components, steering, and brake systems. During each oil change components such as arms, tie rod ends, etc should be greased and checked for excessive wear. Any worn components should be replaced. When returning to the pavement always set or restore tire air pressure to the factory recommendation and connect or engage any disabled sway bar mechanisms. Because of the higher center of gravity and larger tires, this vehicle handles and reacts differently than many passenger cars, both on and off road. You must drive it safely! Extreme care should be taken to prevent vehicle rollover or loss of control, which can result in serious injury or death. Avoid sudden sharp turns or abrupt maneuvers. Generally, braking performance and capabilities are decreased when significantly larger/heavier tires are used, especially when used in combination with transfer case low-range reduction kits. Take this into consideration while driving. Do not add, alter or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the TeraFlex product purchased. Mixing component brand is not recommended. TeraFlex Inc. will not be responsible for any altered product or any improper installation or use of our products. We will be happy to answer any questions concerning the design, function, and correct use of our products. It is ultimately the buyer's responsibility to have all bolts/nuts checked for tightness after the first 100 miles and then every 3000 miles. Wheel alignment, steering system, suspension and drive line systems must be inspected by a qualified professional mechanic at least every 3000 miles.

TERAFLEX PRODUCT WARRANTY:

TeraFlex Inc. warrants TeraFlex Suspension products to the original retail purchaser to be free of defects in material and workmanship for as long as the original purchaser owns the vehicle on which products were originally installed.

Failure to complete regular maintenance (grease every 3000 miles) on TeraFlex FlexArms will void this warranty. All other conditions of the standard TeraFlex product warranty apply.

All TeraLow products are covered by the TeraFlex two (2) year warranty to be free of defects in material and workmanship for two years from date purchased.

TeraFlex axles are covered by a 12-month warranty to be free of defects in materials and workmanship.

This warranty does not cover or include product finish, improperly installed or applied products, improperly maintained products, products or components used for racing or competition or damage due to abuse or neglect, products that fail due to the use of larger tire and wheel combinations.

All returns must be accompanied by an original invoice. It is the customer's responsibility to remove the product from the vehicle. Shipping charges are the responsibility of the customer. TeraFlex Inc. will pay the return freight if the product meets the terms of warranty.

This warranty is for the replacement or repair of defective TeraFlex products only and does not include freight charges, labor charges for removal of or installation of TeraFlex or related products or components, costs incurred due to down time of the vehicle, or lost profits due to vehicle down time.

A returned goods authorization number (RGA#) must accompany any returned products. For more information please contact a TeraFlex customer service representative.

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