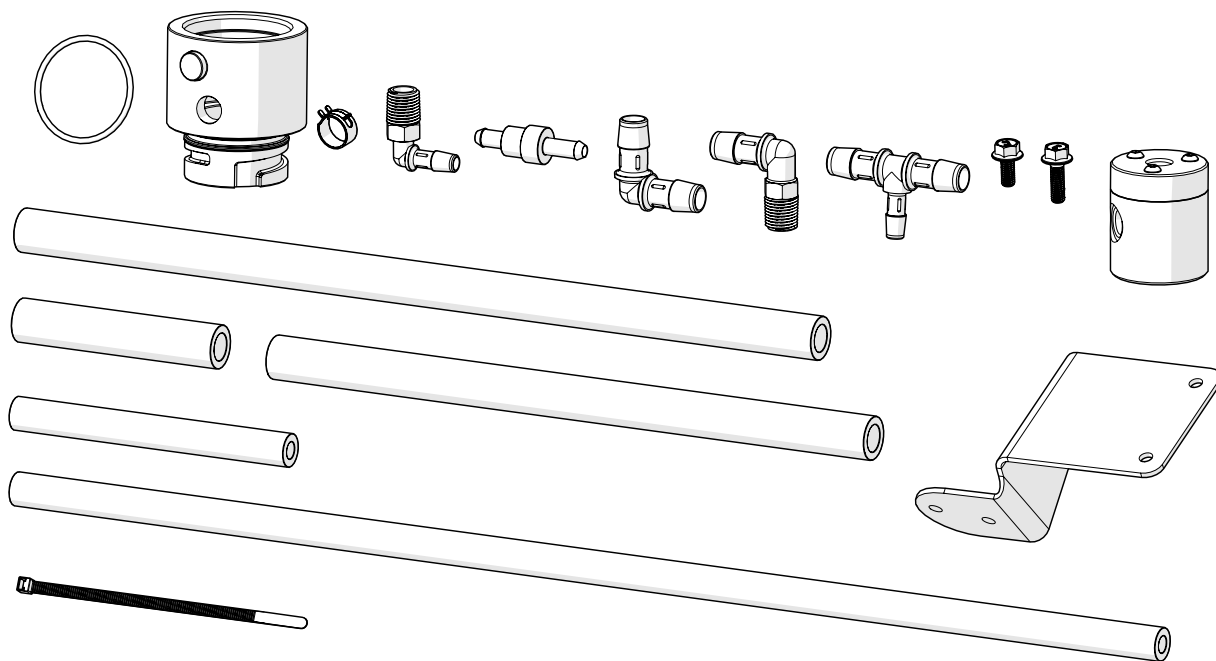




JL / JT Crankcase Vent System Kit

www.TERAFLEX.com

4839200



Important Notes:

Prior to beginning this install, or any installation, read the instructions thoroughly to familiarize yourself with the required steps. 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.

This product will change the highway handling characteristics of your vehicle, exercise caution. After altering the suspension it is always advisable to have an alignment done by a competent 4 wheel drive shop or by an alignment shop that is experienced with lifted 4 wheel drive vehicles.

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.

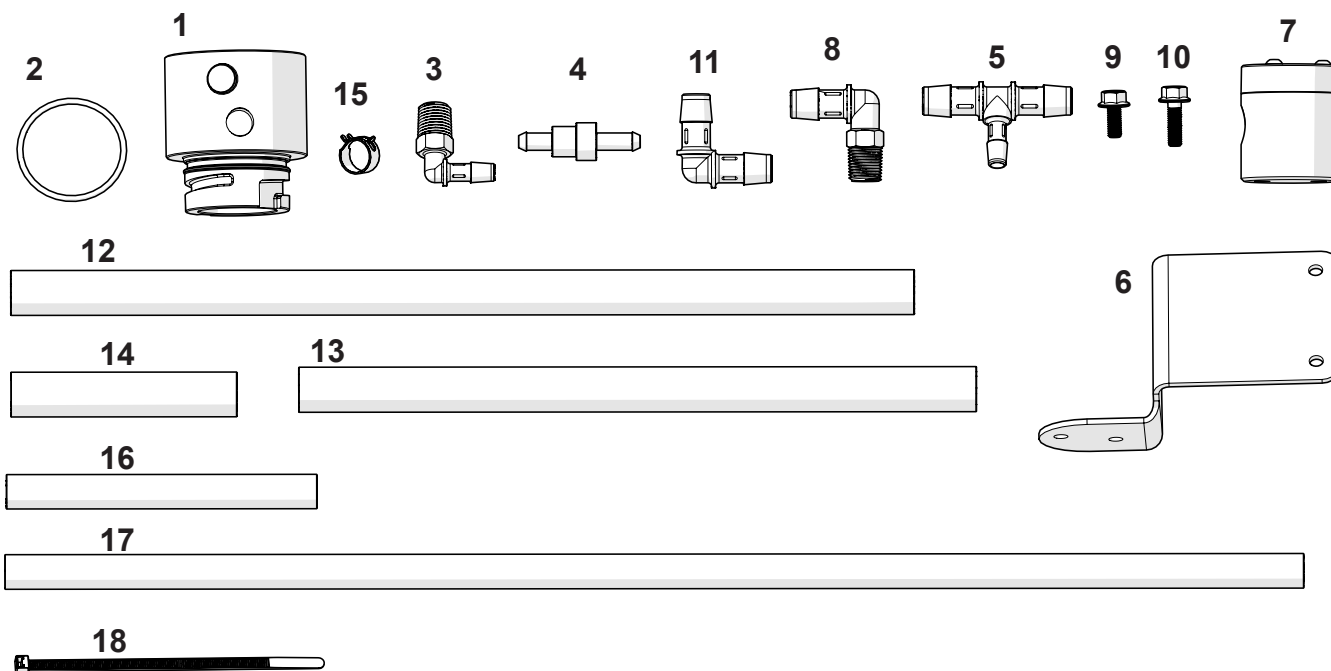
When reinstalling OEM hardware, refer to the torque specs given in the Factory Service Manual.

Tools Needed:

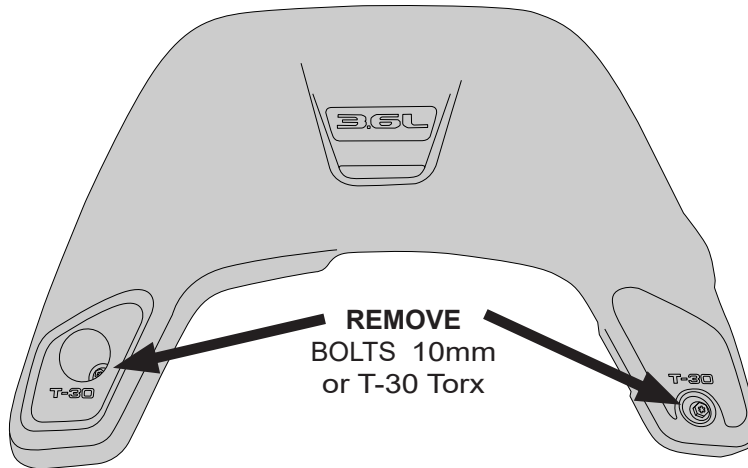
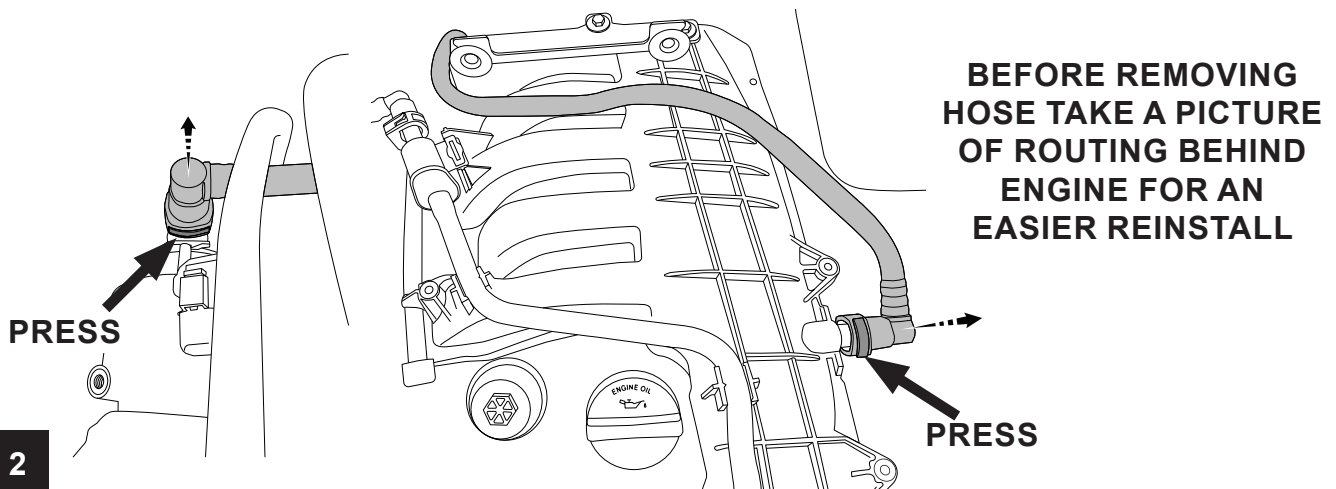
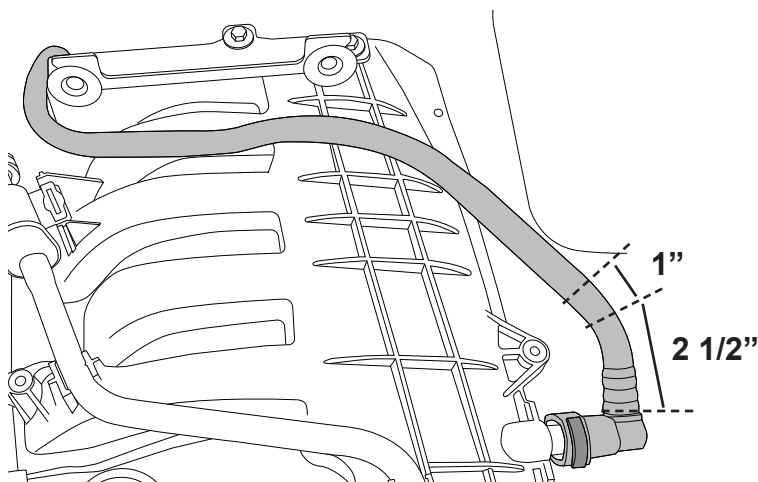
- **Factory Service Manual**
- **General Mechanics Tools**

Maintenance Note:

After the first 300 miles and every 3,000 miles after that, re-torque all the suspension components and bolts.



JL/JT Crankcase Vent System Kit			
Item #	Part No.	Description	QTY
1	47-10-002-100	Custom Hardware, Oil Fill Cap Adapter, Crankcase Vent Assembly	1
2	16-01-10-174-1	O-Ring (STD) English, Round X-Section, 0.103" Width, 1.737" ID, 70 Durometer Nitrile - Static	1
3	48-05-01-006	Misc. Hardware, Fitting, 5/16" Barb - 1/4" NPT 90°	1
4	55-04-05-516	PCV Valve, Straight, 5/16" - 5/16" Outlet	1
5	48-05-02-003	Misc. Hardware, Fitting, Barb Tee, 5/16" x 1/2" x 1/2"	1
6	15-20-009-001	Bracket, Ball Check Valve Bracket JL/JT Crankcase Vent	1
7	47-10-002-300	Custom Hardware, Ball Check Valve Housing Crankcase Vent Assembly	1
8	48-05-01-009	Misc. Hardware, Fitting, 1/2"-1/4" NPT 90° Black Nylon	2
9	45-04-003-007	Hardware, Flat Socket Cap Screw, M6 x 1.0 x 14mm	2
10	45-04-003-008	Hardware, Flanged Hex Head Screw Zinc Plated, M6 x 1mm ,20mm length	1
11	48-05-01-008	Misc. Hardware, Fitting, Push-To-Connect, 90 Degree 1/2"-1/2" Barbed Glass Filled Black Nylon	2
12	18-02-002-017	Hose, Breather, Vacuum, 0.8" OD X 0.5" ID X 16" Length	1
13	18-02-002-016	Hose, Breather, Vacuum, 0.8" OD X 0.5" ID X 12" Length	1
14	18-02-002-015	Hose, Breather, Vacuum, 0.8" OD X 0.5" ID X 4" Length	1
15	15363	Hose Clamp, 1/2" Band for 5/8", Constant tension	2
16	18-02-002-002	Hose, Breather, Vacuum, .615" OD X .3125" ID X 5.5" Length	1
17	18-02-002-018	Hose, Breather, Vacuum, .615" OD X .3125" ID X 23" Length	1
18	195	Zip Tie For Brake Lines in PreRunner Kit	8

REMOVE ENGINE COVER**1****REMOVE HOSE FROM PCV VALVE ON THE REAR OF THE PASSENGER SIDE VALVE COVER AND THE INTAKE MANIFOLD****2****CUT VACUUM HOSE**

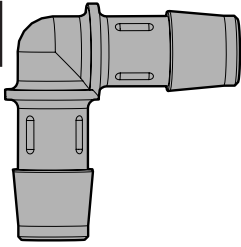
MEASURE AND CUT
HOSE 2 1/2" FROM
BASE

MEASURE AND CUT
A 1" SECTION FROM
HOSE

3

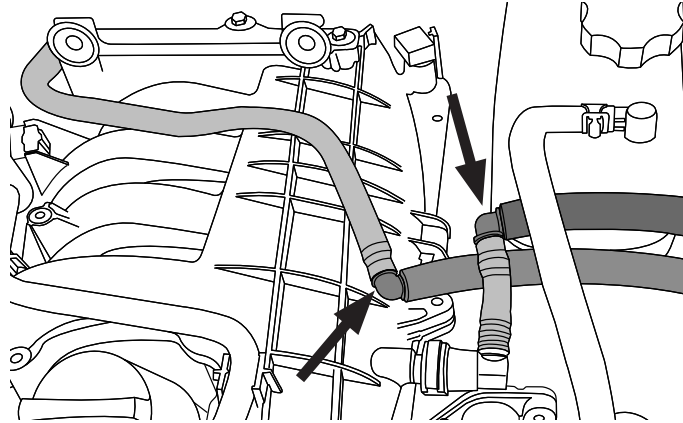
STICK CUT END OF FACTORY VACUUM HOSE IN BOILING WATER AND INSTALL 90 DEGREE PUSH TO CONNECT FITTINGS ONCE HOSE BECOMES SOFT

11



**FACTORY
VACUUM
HOSE**

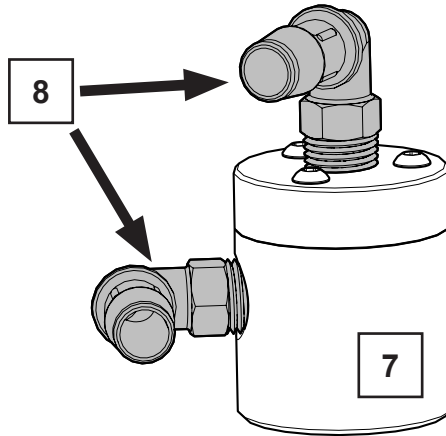
**INSTALL 90 DEGREE FITTINGS SO THEY ARE
POINTING TOWARD DRIVER SIDE**



**REINSTALL
FACTORY LINE
IN THE SAME
ROUTING THAT
IT CAME OUT**

4

INSTALL FITTINGS INTO BALL CHECK VALVE

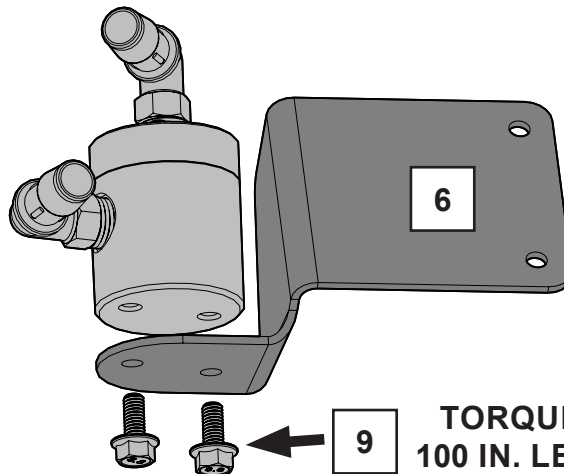


**WRAP THREADS WITH
TEFLON TAPE**

**ANGLE UPPER FITTING AS
SHOWN**

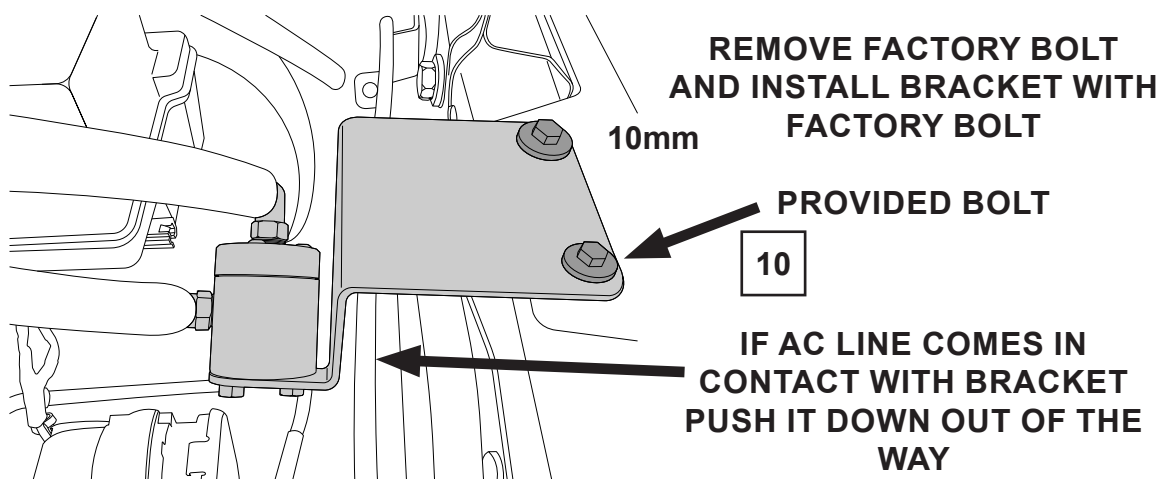
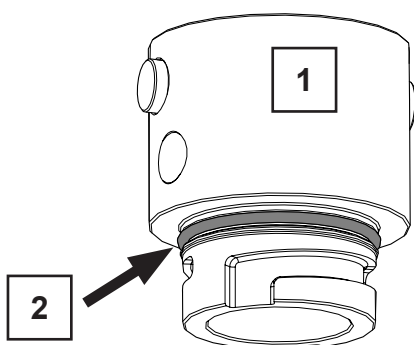
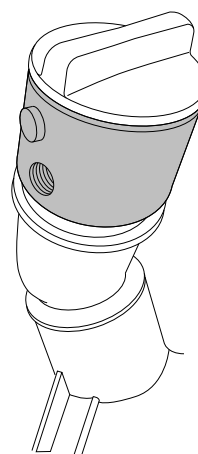
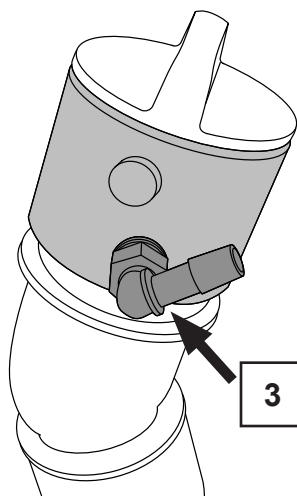
5

INSTALL BALL CHECK VALVE ONTO BRACKET



**TORQUE
100 IN. LBS.**

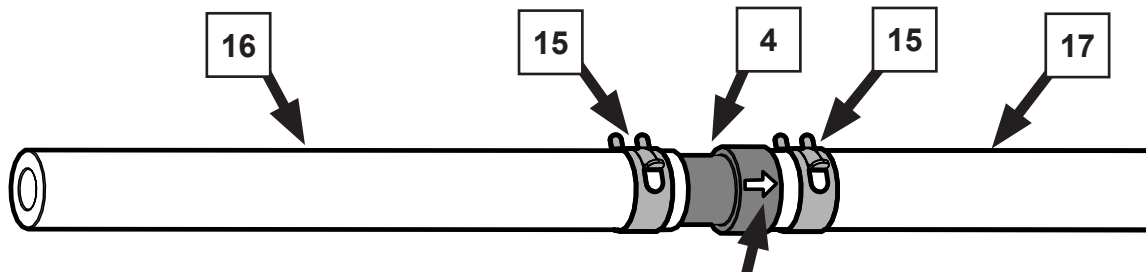
6

INSTALL BRACKET ONTO FENDER**7****INSTALL O-RING ONTO ADAPTER****8****REMOVE OIL CAP AND INSTALL ADAPTER****9****INSTALL 90 DEGREE FITTING ONTO ADAPTER**

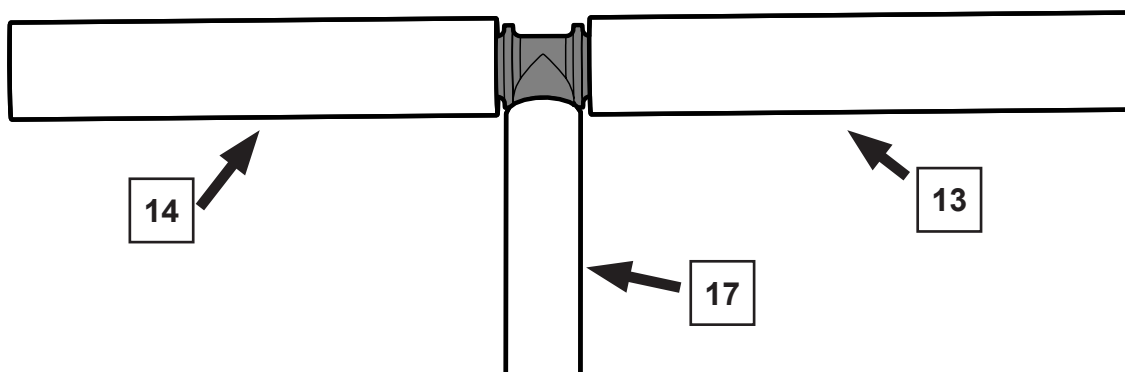
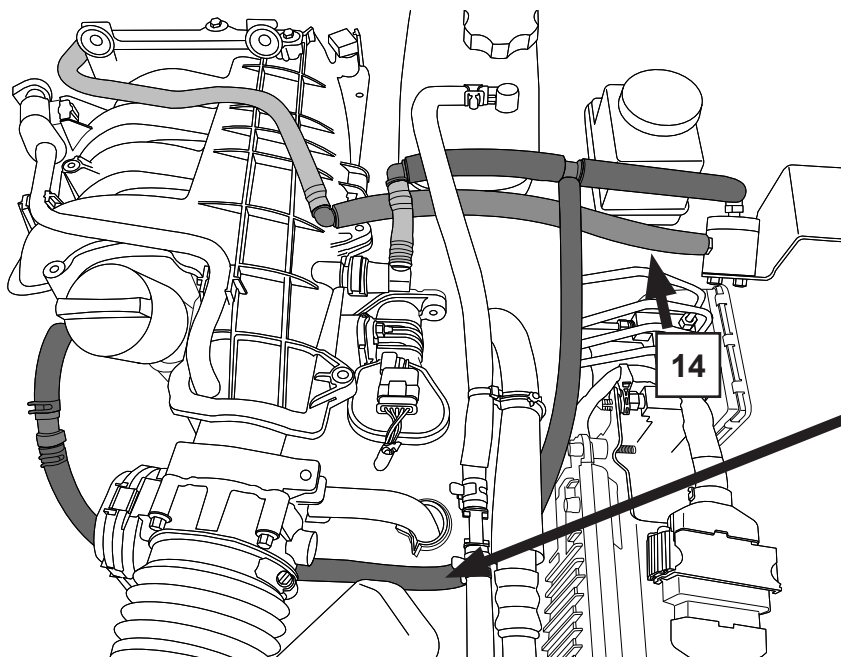
WRAP THREADS WITH
TEFLON TAPE

ANGLE FITTING SLIGHTLY
UPWARD

10

INSTALL 5/16" HOSES ONTO PCV VALVE WITH HOSE CLAMPS

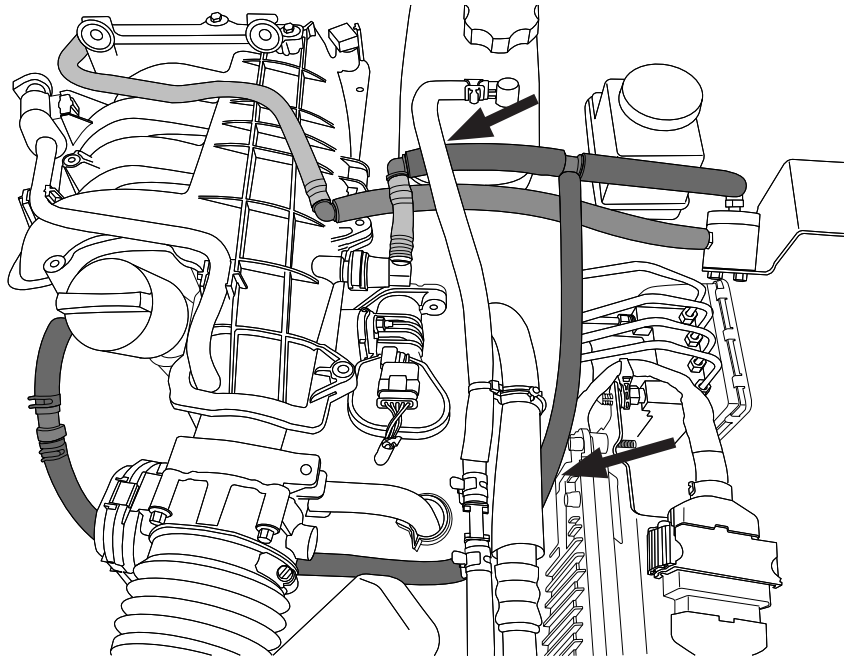
**INSTALL PCV VALVE WITH ARROW POINTING
AWAY FROM SHORT 5/16" HOSE**

11**INSTALL 5/16" HOSE AND 1/2" HOSES ONTO BARB TEE FITTING****12****INSTALL NEW VACUUM HOSES AS SHOWN**

**CHECK VACUUM HOSE
DOES NOT COME
IN CONTACT WITH
ENGINE BELT**

13

ZIP TIE VACUUM HOSES IN PLACE AND REINSTALL ENGINE COVER



14

ENJOY YOUR NEW CRANKCASE VENT SYSTEM

TERAFLEX

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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