



JL FALCON 3.5 SHOCK WIRING INSTALL

www.falconshocks.com

59-09-06-001

59-09-06-002



Important Notes:

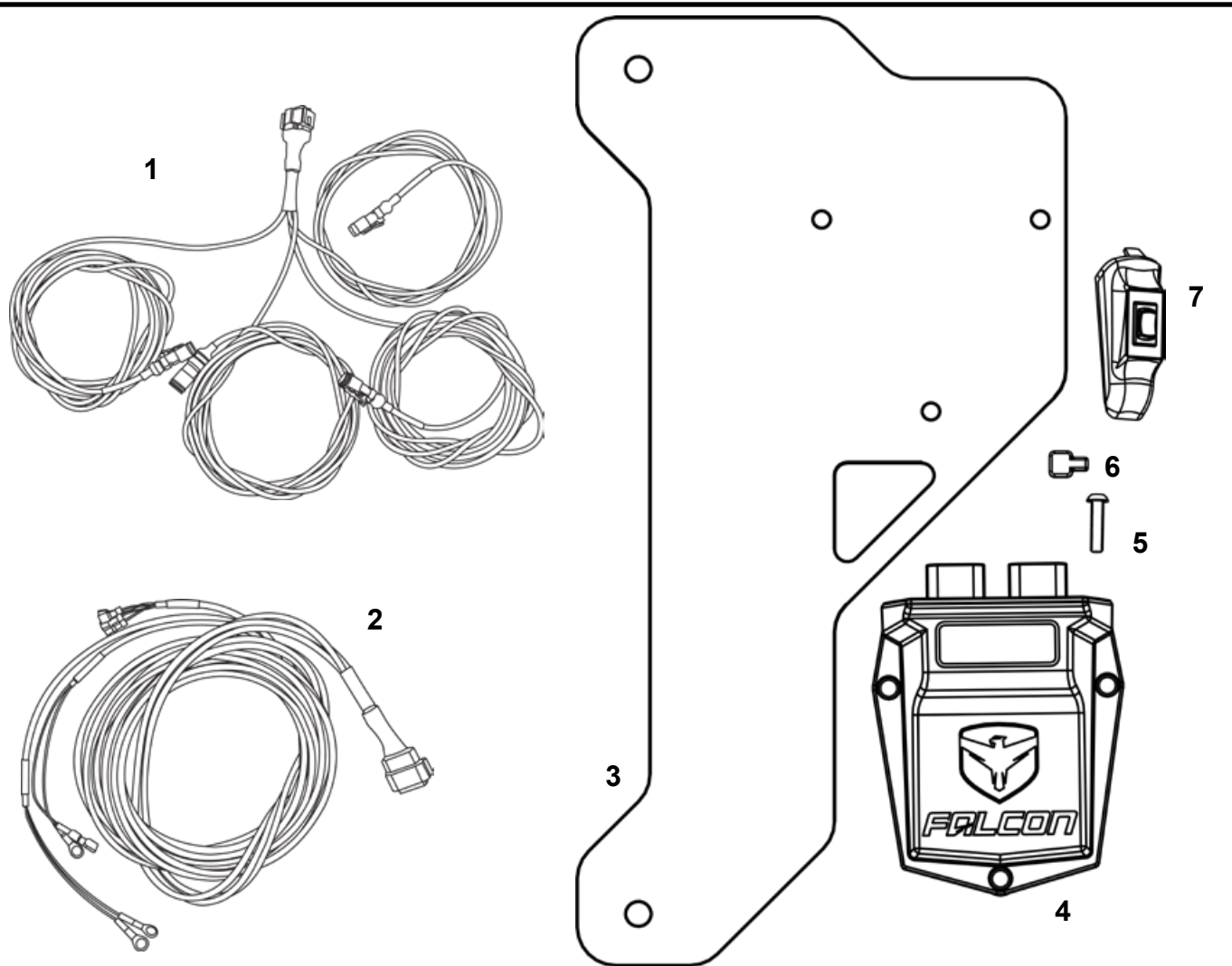
Prior to beginning this install, or any installation, read the instructions thoroughly to familiarize yourself with the required steps. Evaluate if you are experienced and capable to personally perform these modifications. A factory service manual should be used in conjunction with these installation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

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:

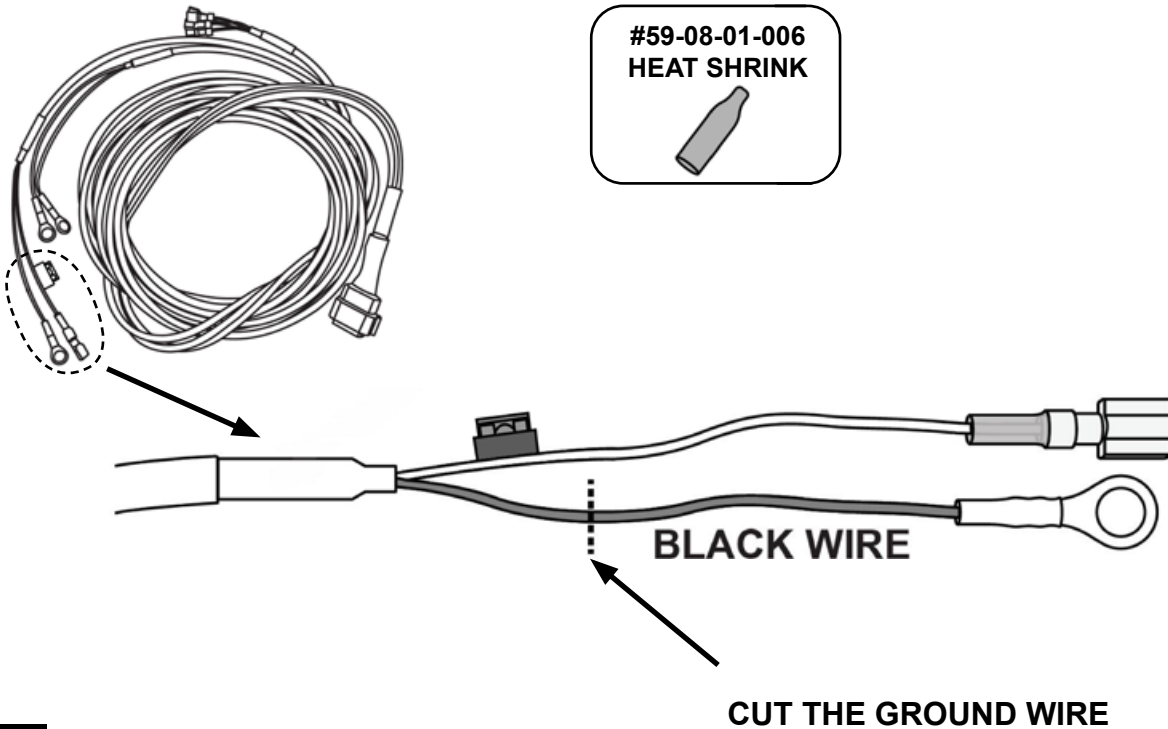
- Metric Sockets and Open End Wrenches
- Torque Wrench
- Factory Service Manual
- General Mechanics Tools



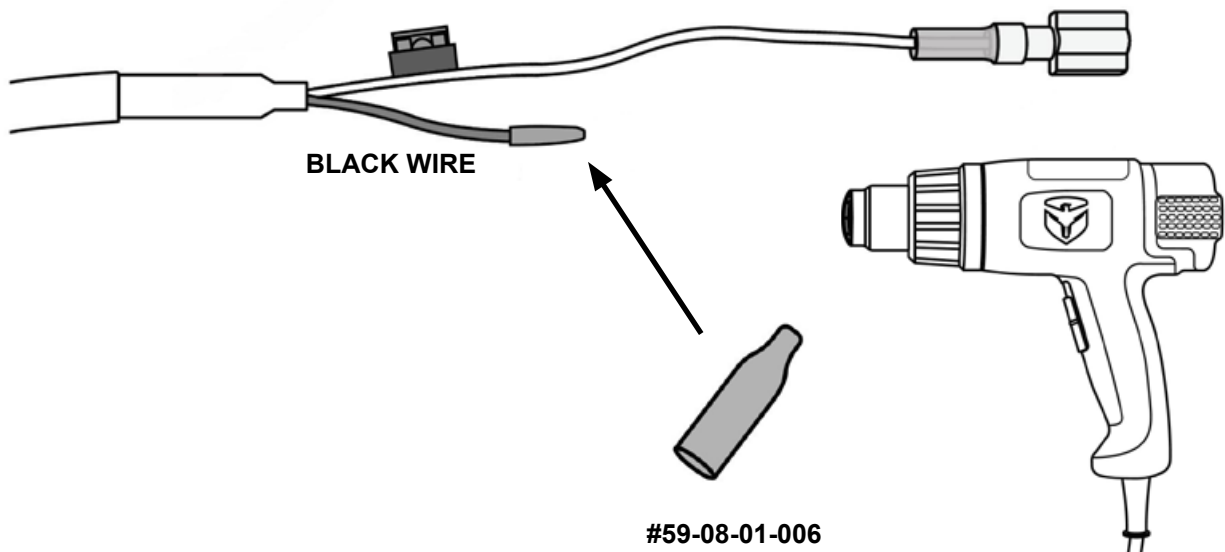
Item #	Part No.	Description	QTY
	59-09-06-001	aDAPT Kit	
1	59-09-03-001	Shock Wire Harness, E-Adj / aDAPT (Jeep)	1
2	59-09-03-002	Power Wire Harness, E-Adj / aDAPT (Jeep)	1
3	59-10-02-001	PCB Board, Mounting Bracket, JL	1
4	59-10-01-405	PCB, 1 Solenoid / Shock, aDAPT Assembly W/ Enclosure	1
5	45-05-002-004	Button Socket Cap Screw, M6 x 1.0 x 25mm	3
6	59-03-01-001	Scotchlok, T-Tap, 18-14 AWG / Blue	1
7	59-02-05-003	Switch, Grab Handle Mounted, Firm-Auto-Soft Assembly	1
	59-09-06-002	E-Adjust Kit	
1	59-09-03-001	Shock Wire Harness, E-Adj / aDAPT (Jeep)	1
2	59-09-03-002	Power Wire Harness, E-Adj / aDAPT (Jeep)	1
3	59-10-02-001	PCB Board, Mounting Bracket, JL	1
4	59-10-01-305	PCB, 1 Solenoid / Shock, On/Off Assembly W/ Enclosure	1
5	45-05-002-004	Button Socket Cap Screw, M6 x 1.0 x 25mm	3
6	59-03-01-001	Scotchlok, T-Tap, 18-14 AWG / Blue	1
7	59-02-05-002	Switch, Grab Handle Mounted, On-Off Assembly	1



JL FALCON 3.5 NON-aDAPT HARNESS ONLY



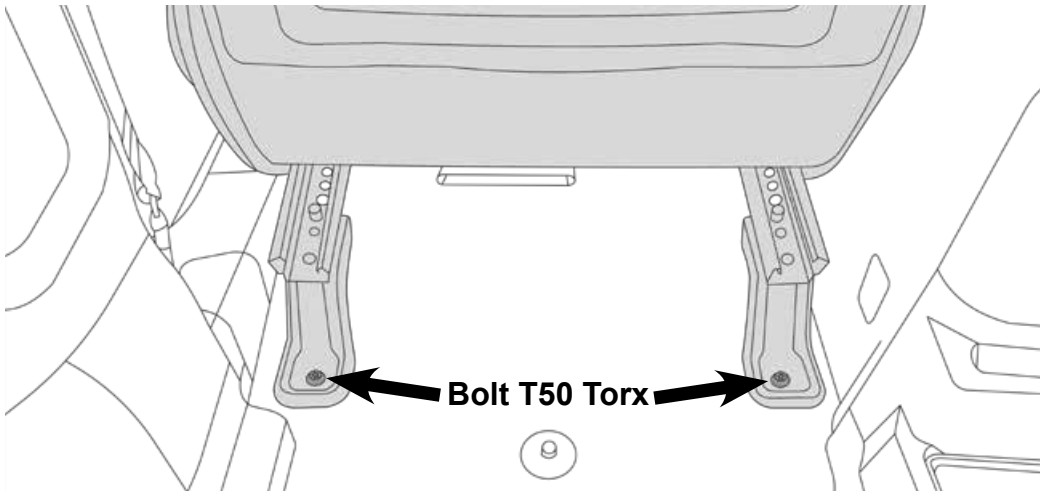
1



PLACE HEAT SHRINK CAP
ONTO BLACK WIRE

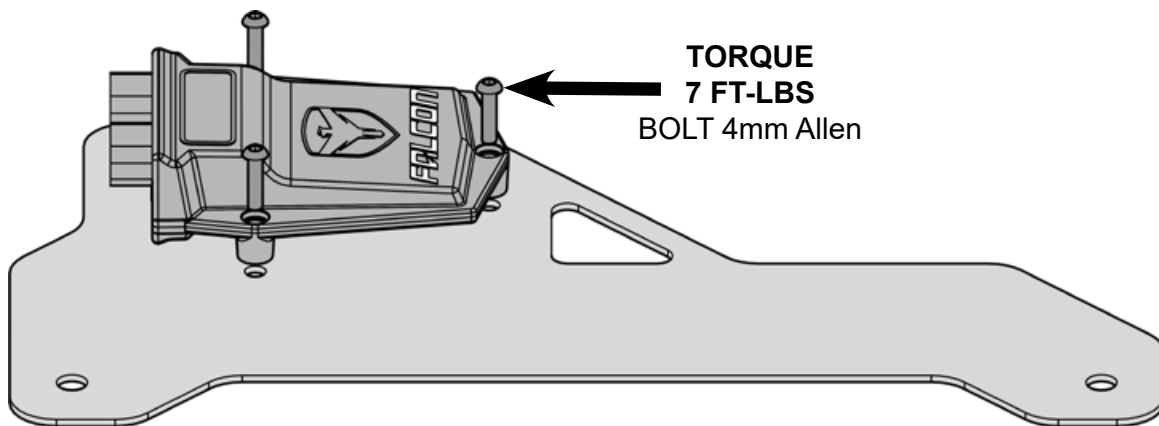
2

REMOVE THE TWO BOLTS FROM THE BACK OF THE DRIVERS SEAT



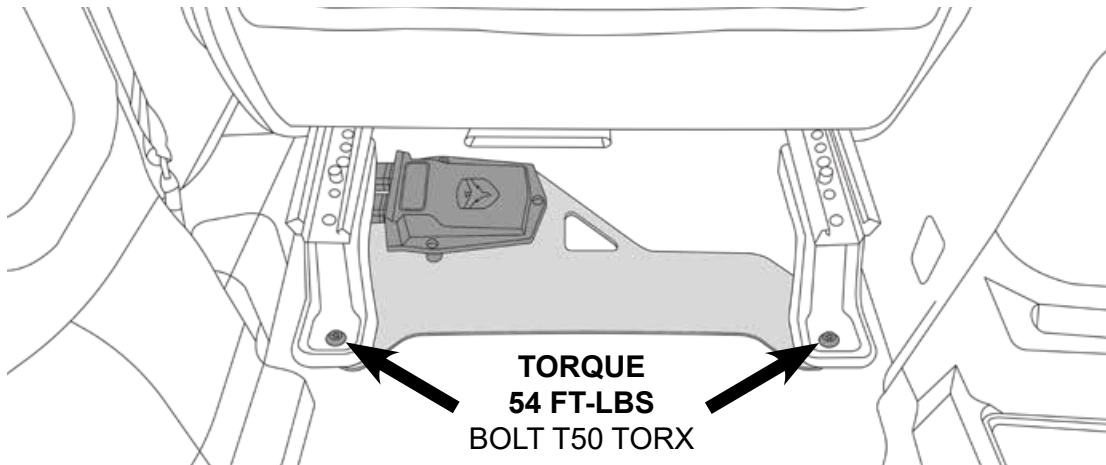
1

INSTALL THE PCB BOARD TO THE MOUNTING PLATE



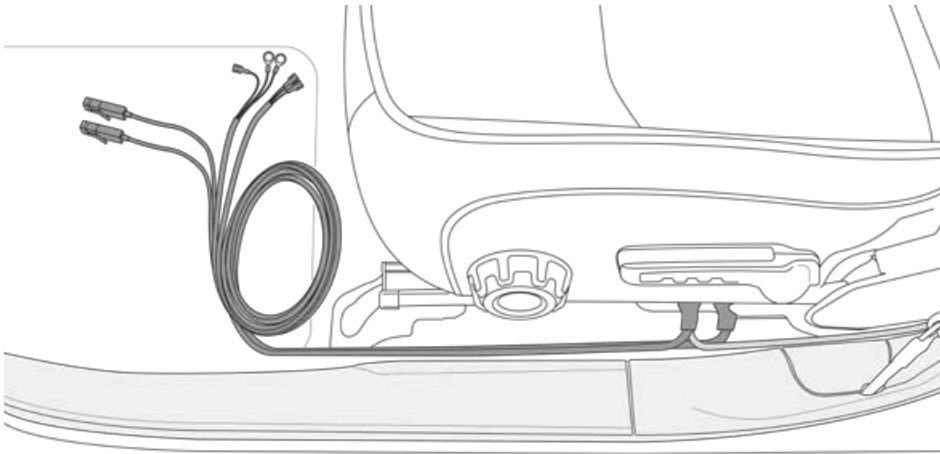
2

INSTALL THE CONTROL MODULE UNDER THE DRIVER SEAT AND REINSTALL SEAT BOLTS

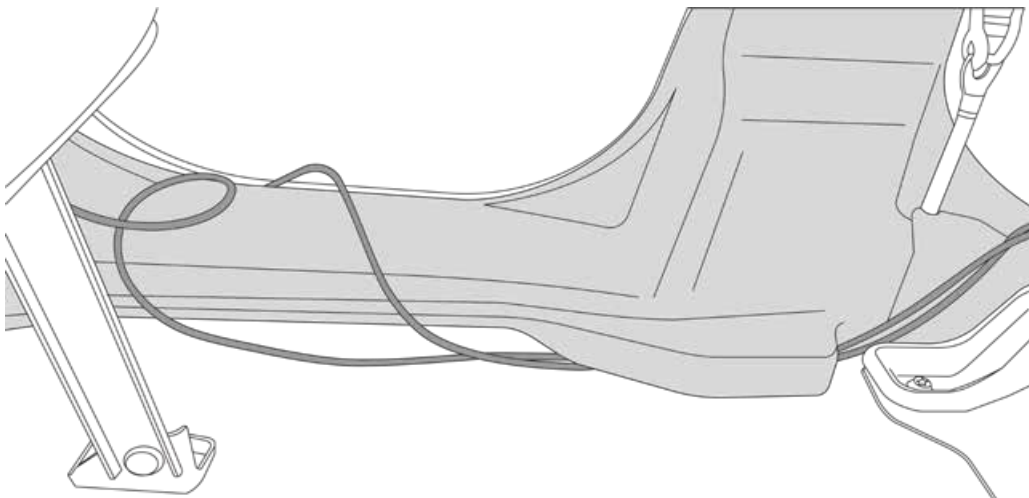


3

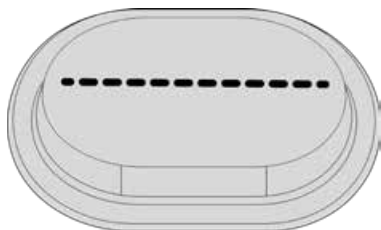
CONNECT THE CABLES TO THE CONTROL MODULE AND ROUTE ALL THE LINES EXCEPT THE REAR SHOCK LINES TO THE FRONT OF THE JEEP

**4**

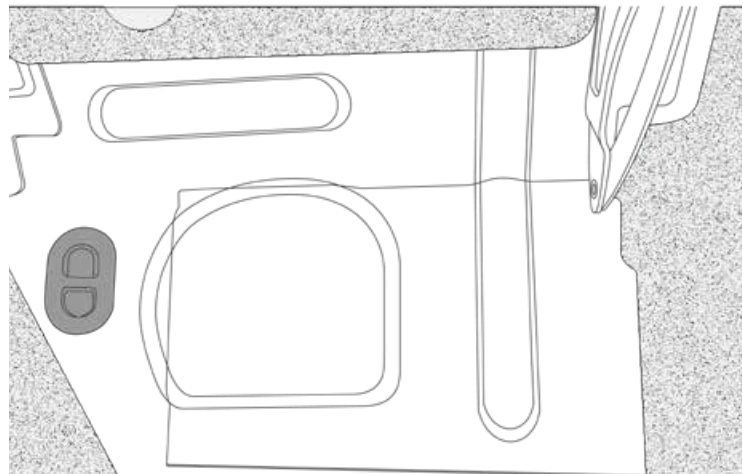
ROUTE THE REAR SHOCK LINES TO THE BACK OF THE JEEP

**5**

CUT A SLIT INTO THE REAR LEFT SIDE DRAIN PLUG

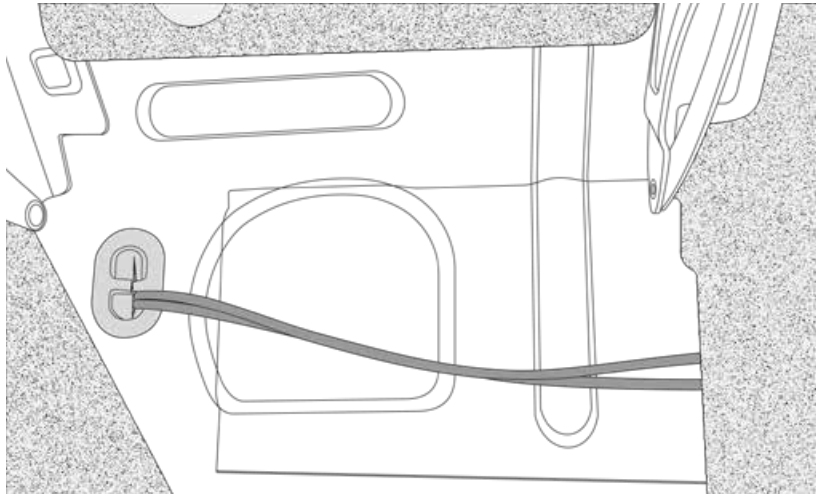


**UNDER THE REAR BENCH
BEHIND THE DRIVERS
SEAT LIFT THE CARPET
AND CUT A SLIT INTO THE
DRAIN PLUG**

6

RUN THE REAR SHOCK LINES UNDER THE CARPET AND THROUGH THE DRAIN PLUG

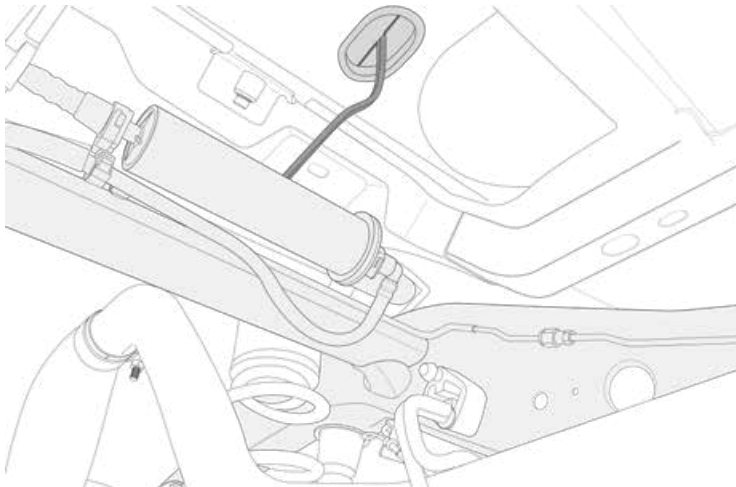
NOTE:
(MANUAL TRANS ONLY)
YOU WILL NEED TO RUN
ALL 4 SHOCK LINES
AND BATTERY CABLES
THROUGH THIS PLUG



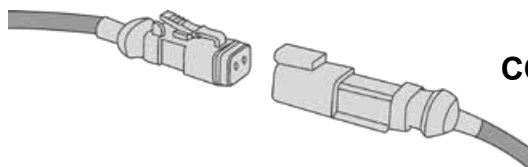
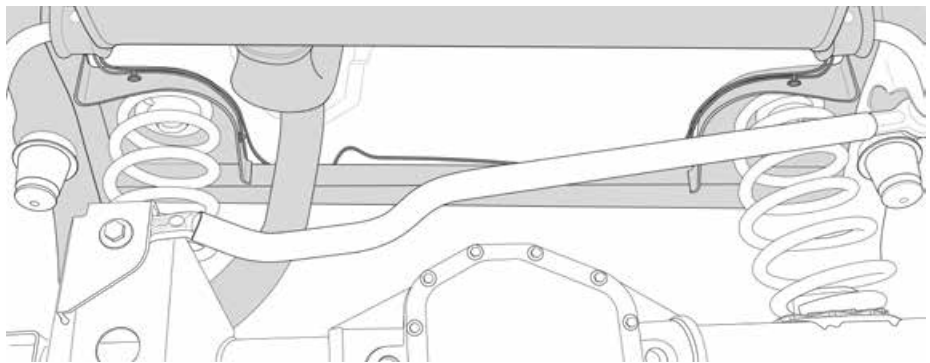
7

RUN THE SHOCK LINES TO THE REAR SHOCKS

NOTE:
(MANUAL TRANS ONLY)
RUN THE FRONT SHOCK
LINES AND BATTERY
CABLES TO THE FRONT
OF THE JEEP



**AVOID THE EXHAUST
AND ANY PINCH POINTS.
SECURE WITH ZIP TIES.**

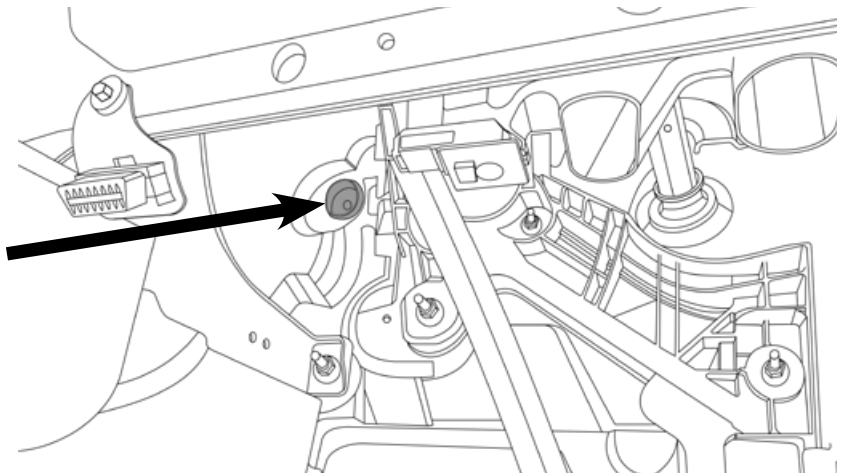
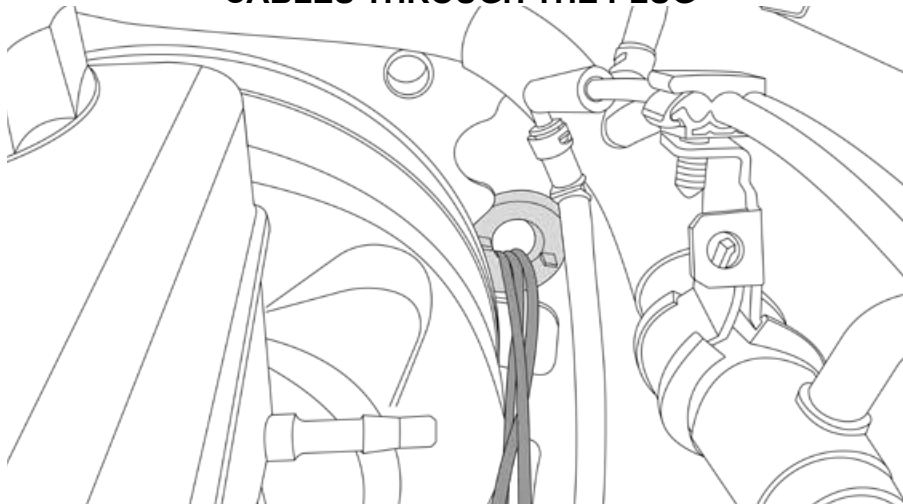
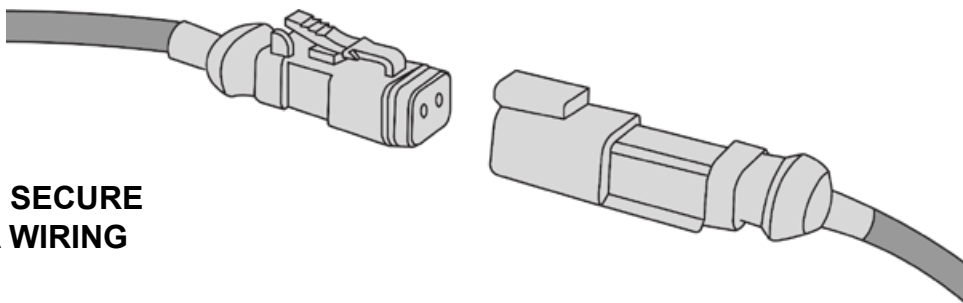


**CONNECT THE REAR
SHOCKS**

8

REMOVE AND MODIFY FIRE WALL PLUG BEHIND PEDALS

**AFTER REMOVAL, DRILL
A HOLE IN THE
CENTER OF THE PLUG
BIG ENOUGH TO FIT
BOTH FRONT SHOCK
LINES AND THE BATTERY
CABLES THROUGH**

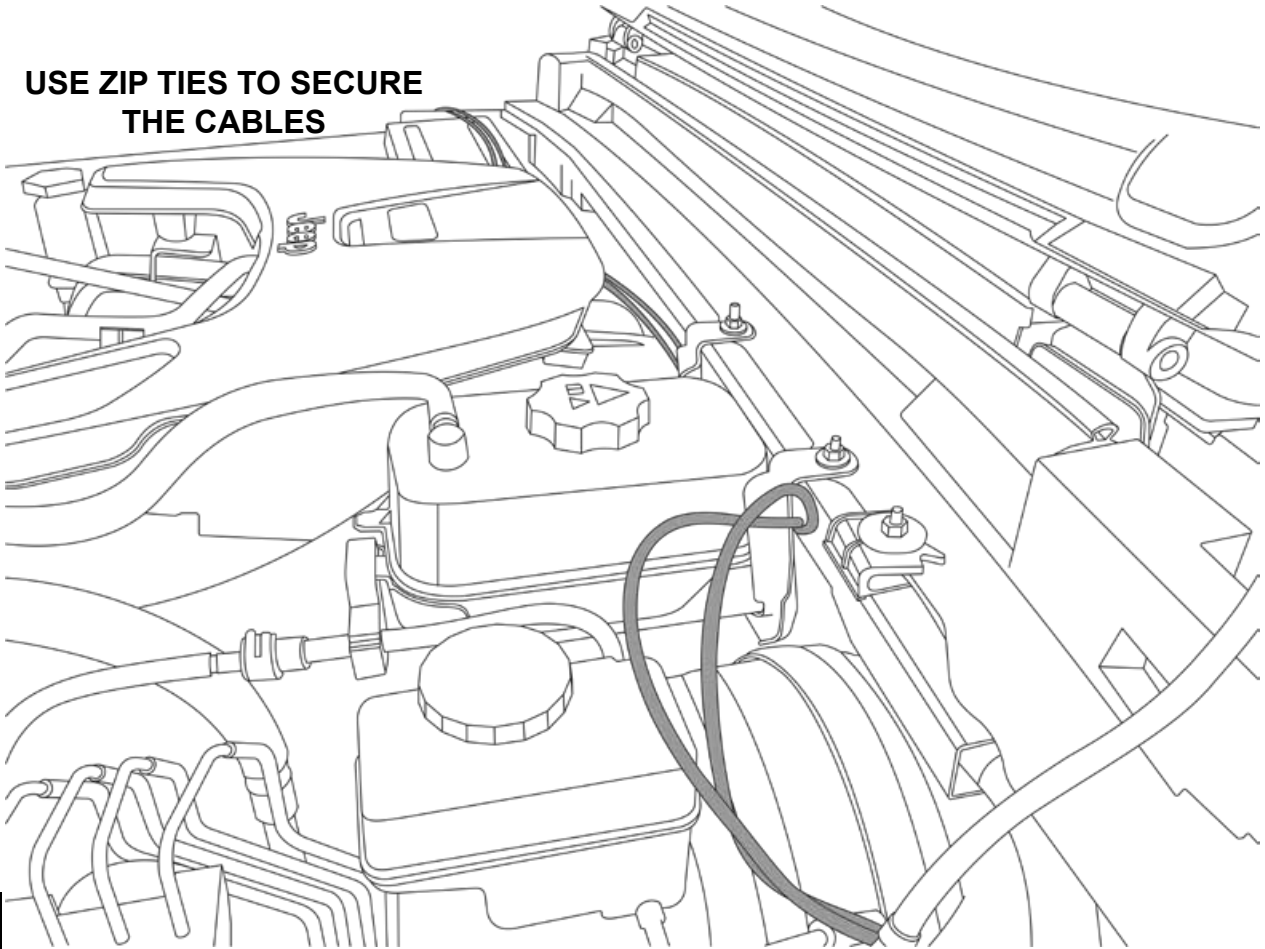
**9****REINSTALL FIRE WALL PLUG AND RUN THE FRONT SHOCK LINES AND BATTERY CABLES THROUGH THE PLUG****10****CONNECT TO THE FRONT LEFT SHOCK**

**TIE OFF AND SECURE
ANY EXTRA WIRING**

11

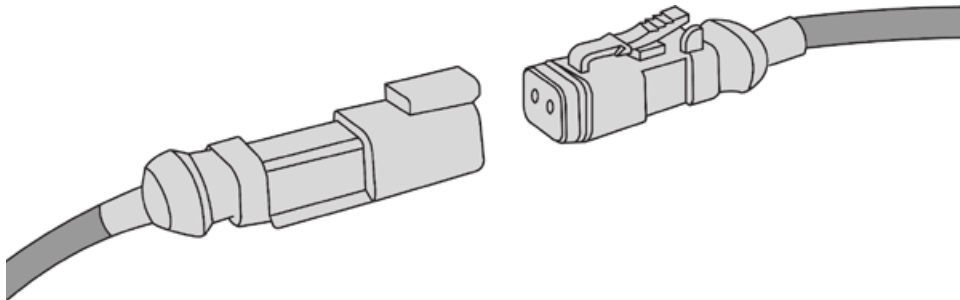
ROUTE THE FRONT RIGHT SHOCK LINE AND BATTERY CABLES ACROSS THE ENGINE

**USE ZIP TIES TO SECURE
THE CABLES**



12

CONNECT TO THE FRONT RIGHT SHOCK



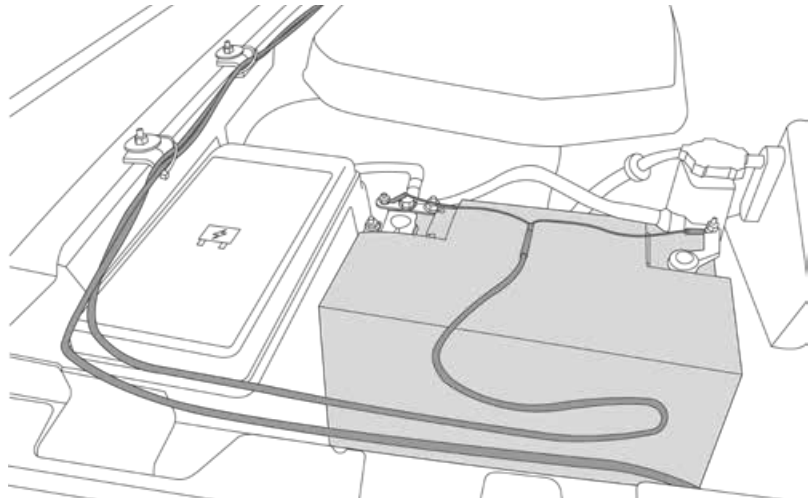
13

**TIE OFF AND SECURE
ANY EXTRA WIRING**

CONNECT BATTERY CABLES TO THE BATTERY

**TIE OFF AND SECURE
ANY EXTRA WIRING**

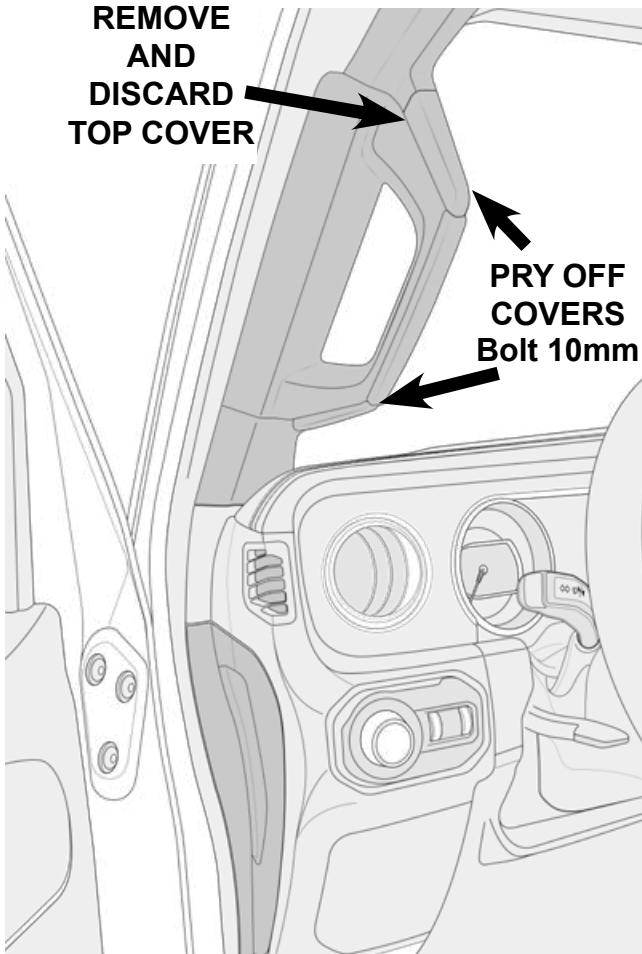
14



REMOVE DRIVER GRAB HANDLE AND SIDE TRIM PANEL

**REMOVE
AND
DISCARD
TOP COVER**

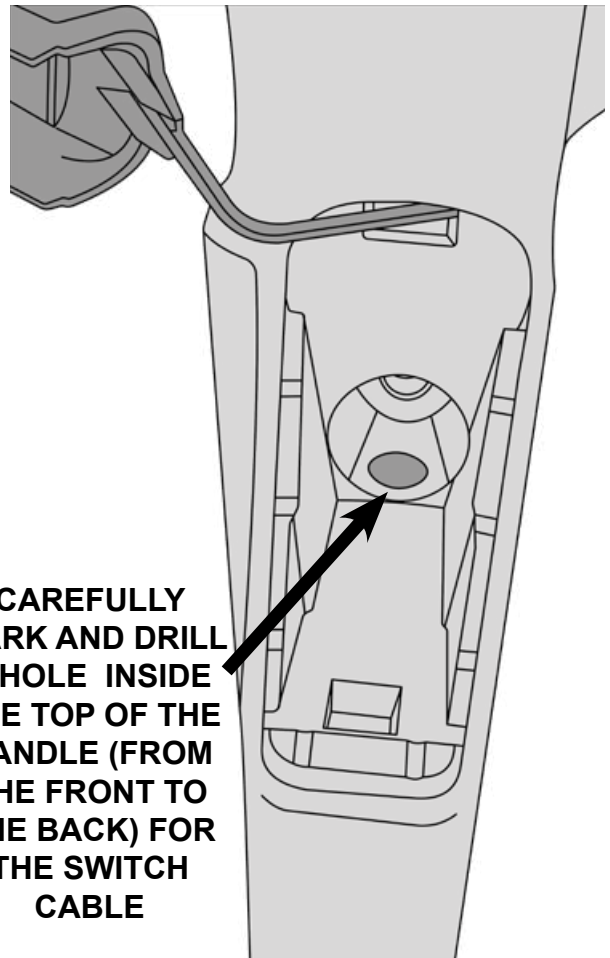
**PRY OFF
COVERS
Bolt 10mm**



15

MODIFY THE DRIVER GRAB HANDLE

**CAREFULLY
MARK AND DRILL
A HOLE INSIDE
THE TOP OF THE
HANDLE (FROM
THE FRONT TO
THE BACK) FOR
THE SWITCH
CABLE**



16

**RUN THE SWITCH CABLE UP TO THE HANDLE
RUN CABLE THROUGH HANDLE AND THEN REINSTALL THE HANDLE**

**INSTALL THE SWITCH
USING THE PROVIDED
WIRING GUIDE**

**TORQUE
80 IN-LBS
BOLT 10mm Hex**

aDAPT

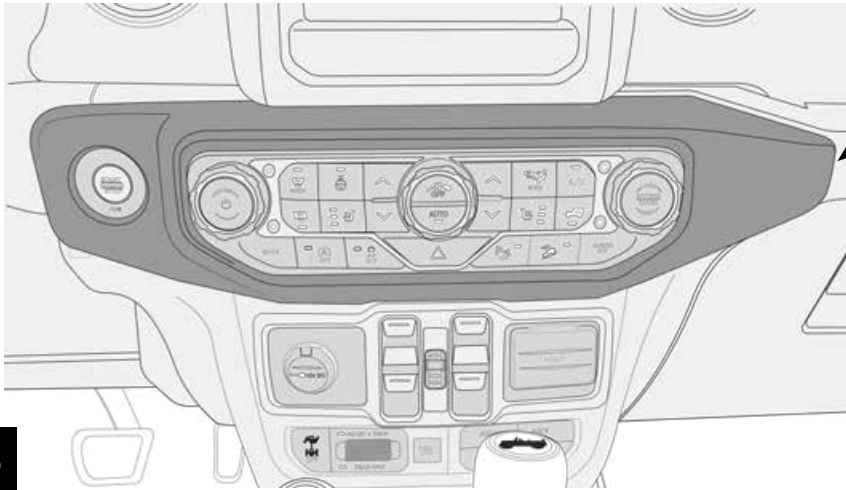
Black wire
Brown wire
Blue wire

**RUN THE SWITCH CABLE UP
TO THE HANDLE.
RUN THE KEY ON POWER
CABLE ACROSS THE
STEERING WHEEL BEHIND
THE KNEE BOLSTER PLATE**

17

e-Adjust

REMOVE TOP SECTION OF CENTER CONSOLE

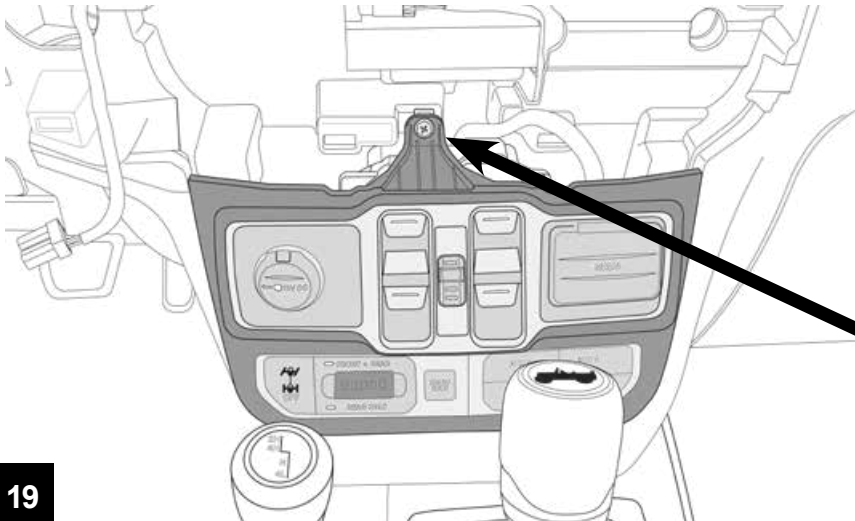


CAREFULLY PRY OFF

**DISCONNECT ANY
ELECTRICAL
CONNECTIONS**

18

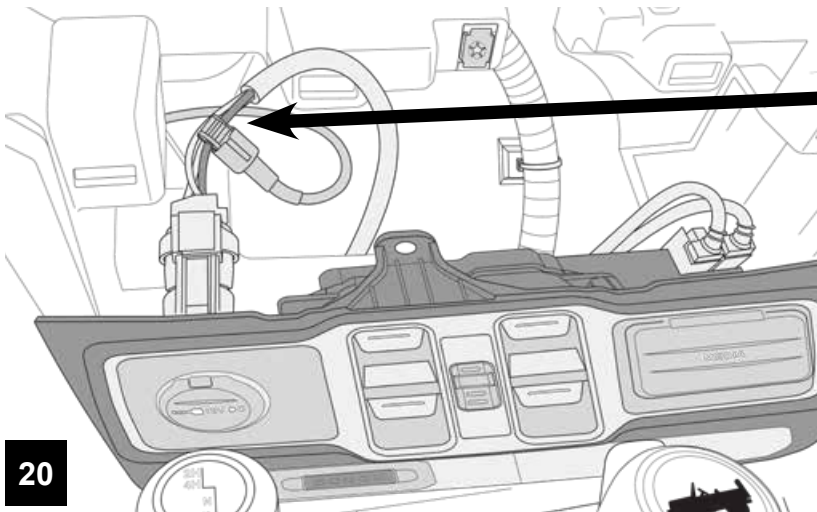
OPEN LOWER SECTION OF CENTER CONSOLE



SCREW 7mm

19

CLAMP ONTO THE KEY-ON-POWER LINE FROM THE BACK OF THE OUTLET



**CLAMP THE T-PIN
CONNECTOR ONTO THE PINK/
YELLOW WIRE. ATTACH THE
RED POWER LINE TO THE
T-PIN.**

**REASSEMBLE THE CENTER
CONSOLE**

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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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