

GROUND FORCE

07-17 JEEP JK 1.75" FRONT / .75" REAR LEVELING KIT INSTALLATION INSTRUCTIONS

READ INSTRUCTIONS/WARNINGS COMPLETELY THROUGH BEFORE STARTING.
FAILURE TO ADHERE TO THE INSTRUCTIONS WILL VOID ANY GROUND FORCE WARRANTY
IT IS RECOMMENDED THAT INSTALLATION BE DONE BY A QUALIFIED MECHANIC.

REPLACE ALL STOCK PARTS THAT ARE DAMAGED OR WORN.

INTERMIXING OF PARTS IS NOT RECOMMENDED AND WILL VOID THE WARRANTY.

ALWAYS WEAR EYE PROTECTION.

ALWAYS USE PROPERLY RATED SAFETY STANDS WHENEVER A PROCEDURE REQUIRES
YOU TO BE UNDER A VEHICLE. KNOW AND FOLLOW ALL SAFE WORK PRACTICES TO
AVOID SERIOUS INJURY OR DEATH.

NOTE: WE WANT TO THANK YOU FOR PURCHASING A *GROUND FORCE* PREMIUM LEVELING KIT.
THIS KIT IS MANUFACTURED FROM HIGH QUALITY MADE IN THE USA MATERIALS. THE HIGH
STRENGTH URETHANE THAT WE USE FOR OUR SPACERS IS HEAT RESISTANCE, IMPACT
RESISTANCE AND ALSO HAS A EXCELLENT RESISTANCE TO OIL, SOLVENTS AND MANY OTHER
CHEMICALS. WE ALSO USE HIGH STRENGTH 4140 MATERIAL FOR OUR STRUT EXTENDERS THAT
HAS BEEN HEAT TREATED, BLACK ZINC COATED AND AFTER BAKED TO RELIEVE ANY HYDROGEN
EMBRITTEMENT. THIS KIT HAS A LIMITED LIFETIME WARRANTY.



CHECK TO SEE THAT ALL PARTS LISTED ARE INCLUDED.

| | |
|-----------------------------------|-------------------------------|
| 2- FRONT LEVELING SPACERS | 1- INSTRUCTION SHEET |
| 2- REAR LEVELING SPACERS | 2- REAR SWAY BAR SPACERS |
| 1- PARTS PACKS | 1- GROUND FORCE WARNING DECAL |
| 2- FRONT BUMP STOP STRIKER PLATES | |

FRONT STRUT SPACER INSTALLATION PROCEDURE.

MEASURE AND DOCUMENT THE VEHICLE HEIGHT FROM FLOOR TO FENDER LIP.

LF _____ RF _____ LR _____ RR _____

1. BEFORE GETTING UNDER VEHICLE, JACK THE FRONT OF VEHICLE UP AND PLACE STANDS UNDER THE FRAME RAILS. LOWER THE VEHICLE ONTO JACK STANDS AND MAKE SURE STANDS ARE SECURELY HOLDING THE VEHICLE.
2. REMOVE TIRE AND WHEEL ASSEMBLY.
3. PLACE JACKS UNDER THE FRONT AXLE.
4. LOCATE AND REMOVE THE BOLT HOLDING THE FRONT BRAKE LINE BRACKET TO THE FRAME (BEHIND THE FRONT SHOCK) AND REMOVE THIS BOLT ON BOTH SIDES OF VEHICLE, SAVE HARDWARE.



**FRONT BRAKE LINE TO
FRAME HARDWARE
LOCATION.**

5. WITH THE FRONT AXLE SUPPORTED, LOCATE AND REMOVE THE FRONT LOWER SHOCK HARDWARE AND LOWER FRONT SWAY BAR CONNECTING LINK HARDWARE, SAVE HARDWARE.

**LOWER SHOCK
MOUNT
REMOVED
FROM AXLE**



**LOWER SWAY BAR
CONNECTING LINK
REMOVED FROM
AXLE**

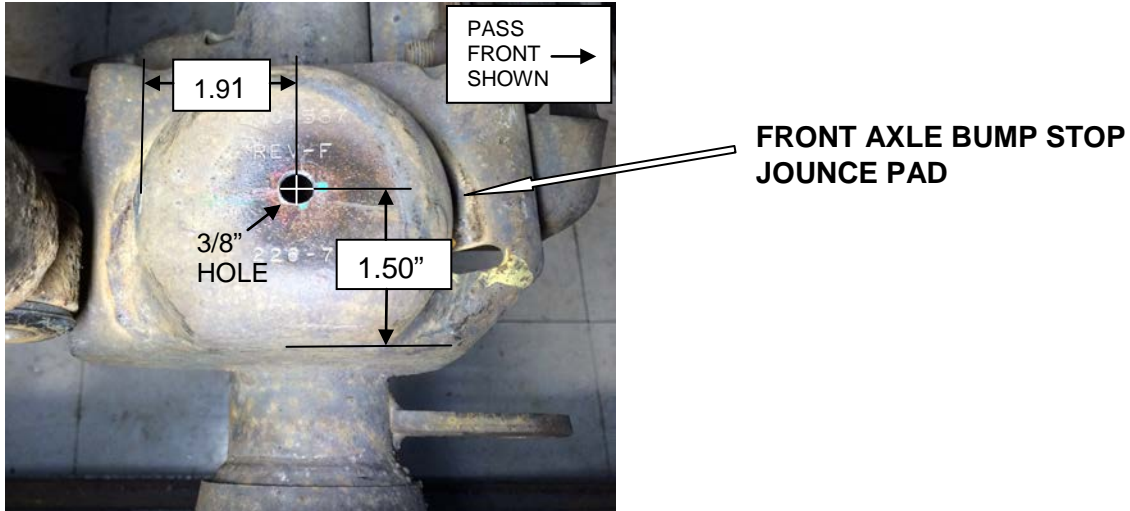
6. PLACE INDEX MARKS ON THE FRONT LOWER COIL SPRING SEAT SO THAT DURING COIL SPRING REINSTALL YOU WILL BE ABLE TO INDEX THE COIL CORRECTLY IN THE LOWER SPRING SEAT.



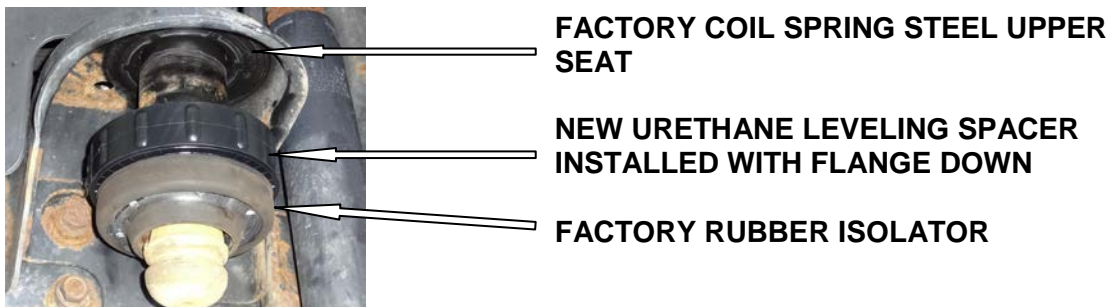
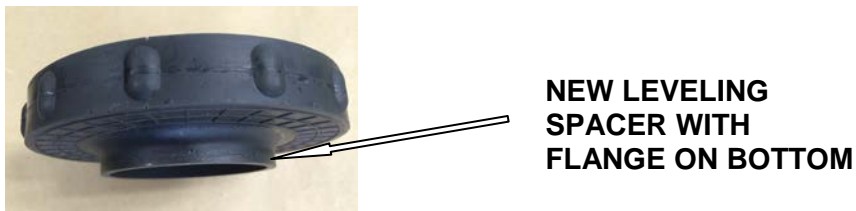
**FRONT COIL SPRING
LOWER SEAT INDEX
MARK**

7. CHECK AND VERIFY THAT THERE IS ENOUGH SLACK IN THE BRAKE LINES AND BRAKE LINE ANTILOCK WIRES WHILE LOWERING THE FRONT AXLE FAR ENOUGH TO REMOVE THE FRONT COIL SPRINGS FROM THE VEHICLE.

8. REMOVE THE FRONT COIL SPRINGS FROM THE VEHICLE AND ALSO REMOVE THE FACTORY UPPER RUBBER ISOLATORS (SAVE ISOLATORS).
9. FRONT BUMP STOP STRIKER PLATE HOLE LOCATION (PASSENGER FRONT SHOWN)
 - A. MEASURE 1.50" IN FROM THE OUTSIDE OF THE LOWER JOUNCE BUMP STOP PAD AND MARK.
 - B. MEASURE 1.91" IN FROM THE REAR OF THE LOWER JOUNCE BUMP STOP PAD AND MARK.
 - C. CENTER PUNCH THIS SPOT AND DRILL A 3/8" HOLE AT THIS LOCATION.
 - D. REPEAT PROCEDURE TO THE OTHER SIDE OF VEHICLE.
 - E. THE NEW STRIKER PLATE WILL BE INSTALLED LATER IN THE INSTALLATION.



10. INSTALL THE SUPPLIED URETHANE LEVELING SPACER INTO THE COIL SPRING UPPER SEAT WITH THE CENTER FLANGE POSITIONED TOWARD THE BOTTOM AND INSTALL THE FACTORY RUBBER ISOLATOR UNDER THE NEW LEVELING SPACER AS SHOWN BELOW.



11. REINSTALL THE FACTORY COIL SPRINGS BACK INTO THE UPPER MOUNTING LOCATION.

- A. INSERT THE NEW BUMP STOP STRIKER RECTANGLE TUBE INTO THE LOWER COIL SPRING.
- B. INSTALL THE FACTORY COIL SPRING INTO THE LOWER COIL MOUNT WHILE HOLDING THE NEW BUMP STOP STRIKER PLATE IN PLACE
- C. LINE UP THE NEW BUMP STOP STRIKER PLATE TO THE 3/8" HOLE DRILLED IN STEP #9 AND INSTALL THE SUPPLIED 5/16" WASHER ON THE SUPPLIED 5/16" X 1.0" HEX BOLT AND INSTALL THE HEX BOLT THROUGH THE BUMP STOP STRIKER PLATE AND THROUGH THE LOWER BUMP STOP JOUNCE PAD.
- D. INSTALL THE 5/16" SERRATED LOCK NUT AND TIGHTEN.



SUPPLIED FRONT
BUMP STOP
STRIKER TUBE

FACTORY
LOWER BUMP
STOP JOUNCE
PAD.



5/16" X 1.0" HEX
BOLT

5/16" SERRATED
LOCK NUT BEING
INSTALLED

12. MAKE SURE THE NEW URETHANE LEVELING SPACER, FACTORY RUBBER ISOLATOR AND LOWER COIL ARE SEATED CORRECTLY.



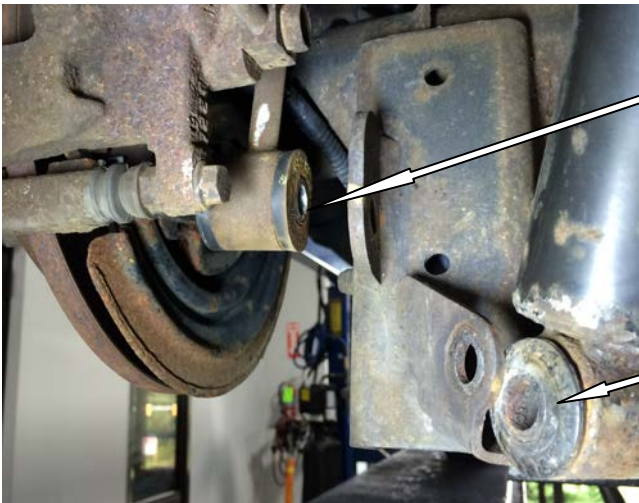
COIL SPRING SEATED BACK
INTO THE VEHICLE WITH THE
NEW URETHANE LEVELING
SPACER INSTALLED ON TOP
OF THE FACTORY RUBBER
ISOLATOR.

13. REINSTALL THE FACTORY SHOCKS INTO THE LOWER MOUNT USING THE FACTORY HARDWARE AND TORQUE TO SPEC.

14. REINSTALL THE BRAKE LINES AND ANTI LOCK BRAKE WIRE BRACKETS INTO THE FACTORY LOCATIONS USING THE FACTORY HARDWARE AND TIGHTEN. CHECK THE ANTILOCK BRAKE WIRES AND BRAKE LINES FOR CLEARANCE AND ADJUST IF NECESSARY.
15. REINSTALL THE SWAY BAR CONNECTING LINKS INTO FACTORY LOCATION. LINE UP AND INSTALL THE FACTORY CONNECTING LINK HARDWARE, JACK THE AXLE UP TO RIDE HEIGHT AND PLACE STANDS UNDER AXLE AND THEN TORQUE THE SWAY BAR CONNECTING LINK HARDWARE TO SPEC.
16. MAKE SURE ALL FASTENERS AFFECTED BY THIS PROCEDURE ARE TORQUED TO FACTORY SPEC.
17. REINSTALL TIRE AND WHEEL ASSEMBLY AND TORQUE TO SPEC.
18. JACK THE VEHICLE UP AND REMOVE STANDS, THEN LET THE VEHICLE DOWN.

REAR SPACER INSTALLATION INSTRUCTIONS

19. REAR COIL SPACER INSTALLATION. JACK UP THE REAR OF THE VEHICLE AND PLACE JACK STANDS UNDER THE FRAME RAILS. LOWER THE VEHICLE ONTO THE JACK STANDS AND MAKE SURE THE STANDS ARE SECURELY HOLDING THE VEHICLE. SUPPORT THE REAR AXLE WITH A FLOOR JACK. REMOVE THE REAR TIRE AND WHEEL ASSEMBLY.
20. WITH THE REAR AXLE SUPPORTED, REMOVE THE STOCK REAR SHOCK LOWER MOUNTING HARDWARE AND LOWER SWAY BAR CONNECTING LINK HARDWARE FROM BOTH SIDES OF VEHICLE(SAVE HARDWARE).



**LOWER SWAY BAR
CONNECTING LINK REMOVED
FROM THE FACTORY MOUNT**

**LOWER SHOCK REMOVED
FORM FACTORY LOWER AXLE
SHOCK MOUNT**

21. LOCATE AND REMOVE THE BOLT HOLDING THE BRAKE LINE BRACKET TO THE FRAME ON BOTH SIDES, SAVE HARDWARE.



**BRAKE LINE/ BRAKE LINE
BRACKET/ HARDWARE
REMOVED FROM THE SIDE OF
THE FRAME.**

22. LOCATE THE REAR ANTI-LOCK BRAKE SENSOR WIRE (BOTTOM OF THE FRAME IN FRONT OF THE AXLE) AND REMOVE THE PUSH IN CLIP FROM THE FRAME ON BOTH SIDES.



ANTILOCK BRAKE WIRE
PUSH IN CLIP REMOVED
FROM THE BOTTOM OF THE
FRAME.

23. CHECK BRAKE, ANTI LOCK WIRES AND DIFF VENT HOSE TO MAKE SURE THAT THEY HAVE ENOUGH SLACK TO REMOVE AND REPLACE THE COIL SPRINGS. DO NOT OVER EXTEND ANY OF THESE WIRES OR LINES WHILE DOING THIS PROCEDURE.

WARNING: THE COILS ARE UNDER PRESSURE. EXTREME CARE MUST BE TAKEN WHEN REMOVING AND INSTALLING THE COILS TO AVOID INJURY.

24. REAR COIL REMOVAL. MAKE SURE THE JACK STANDS ARE SECURE UNDER THE VEHICLE FRAME AND THE REAR AXLE IS SUPPORTED.

- A. PLACE INDEX MARKS FROM THE FACTORY COIL SPRING TO THE LOWER SPRING SEAT AND ALSO MARK THE COILS LEFT AND RIGHT.



"R" FOR RIGHT OR
PASSENGER SIDE.

LOWER COIL TO LOWER
SPRING SEAT INDEX
MARK

- B. LOWER THE JACK UNDER THE REAR DIFFERENTIAL, REMOVE THE STOCK REAR COILS FROM THE VEHICLE.

25. INSTALL THE SUPPLIED UPPER URETHANE SPACER ONTO THE TOP OF THE FACTORY REAR COIL SPRING AND THEN INSTALL THE FACTORY RUBBER ISOLATOR ON TOP OF THE OF THE URETHANE SPACER AS SHOWN IN THE PHOTO BELOW.



FACTORY RUBBER
ISOLATOR

NEW UPPER URETHANE
SPACER INSTALLED ON
TOP OF FACTORY COIL
SPRING

FACTORY COIL

26. COIL SPRING INSTALLATION.

- A. INSTALL THIS ASSEMBLY UP INTO THE STOCK FRAME UPPER COIL SPRING MOUNT.



FACTORY RUBBER ISOLATOR, NEW UPPER URETHANE SPACER, FACTORY COIL SPRING BEING INSTALLED UP INTO THE FACTORY COIL SPRING FRAME UPPER MOUNT.

- B. REPEAT THIS PROCEDURE TO THE OTHER SIDE OF VEHICLE.
- C. CAREFULLY JACK UP THE REAR DIFFERENTIAL WHILE ALIGNING THE UPPER AND LOWER SPRINGS MOUNTS INTO THE SPRING SEATS. SPIN THE COILS UNTIL THEY ARE CENTERED.
- D. LOCATE THE LOWER COIL SPRING SEAT INDEX MARKS MADE IN STEP 24A. SEAT THE COILS WITH THE LOWER END OF THE COIL CLOSE TO THE INDEX MARK.



“R” FOR RIGHT OR PASSENGER SIDE.

LOWER COIL TO LOWER SPRING SEAT INDEX MARK

- E. ONCE THE SPRINGS ARE PROPERLY SEATED AND ALL CLEARANCES ARE OK JACK UP THE REAR AXLE TO RIDE HEIGHT AND PLACE JACK STANDS UNDER THE AXLE. MAKE SURE THE VEHICLE IS SECURE.
27. REINSTALL THE LOWER SWAY BAR CONNECTING LINK MOUNTS AND THE LOWER SHOCK MOUNTS USING THE FACTORY HARDWARE AND TIGHTEN TO SPEC.
28. LOCATE THE REAR SWAY BAR TO FRAME MOUNTING BOLTS AND REMOVE ON BOTH SIDES, SAVE HARDWARE.
- A. INSTALL THE SUPPLIED SWAY BAR DROP DOWN SPACER BETWEEN THE FRAME AND THE SWAY BAR MOUNTING BRACKET AS SHOWN BELOW.
- B. REINSTALL THE FACTORY HARDWARE AND TIGHTEN TO SPEC.

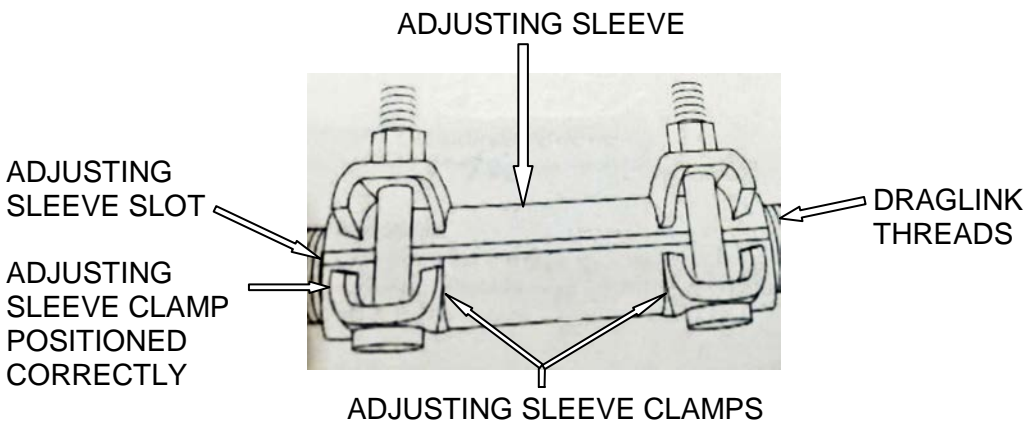


SUPPLIED SWAY BAR DROP DOWN SPACER

FACTORY SWAY BAR MOUNTING BRACKET AND HARDWARE

29. REATTACH THE BRAKE LINE BRACKETS TO THE FRAME AND ALSO REINSTALL THE FACTORY ANTILOCK BRAKE WIRES TO THE BOTTOM OF THE FRAME ON BOTH SIDES OF VEHICLE.
30. CHECK THE REAR ANTI LOCK BRAKE WIRES, BRAKE LINES AND VENT HOSE FOR PROPER CLEARANCE AND ADJUST IF NECESSARY.
31. REINSTALL THE REAR TIRE AND WHEEL ASSEMBLY. TORQUE THE LUG NUTS TO SPEC. CHECK THE CLEARANCE BETWEEN THE REAR AXLE AND ALL REAR COMPONENTS. ADJUST IF NECESSARY.
32. JACK UP THE REAR OF VEHICLE REMOVE SAFETY STANDS AND LOWER VEHICLE.
33. THE STEERING WHEEL MUST BE CENTERED BEFORE TEST DRIVING THE VEHICLE.
 - A. START THE ENGINE AND TURN THE STEERING WHEEL LEFT TO RIGHT UNTIL YOU HAVE THE STEERING WHEEL CENTERED, SHUT THE VEHICLE OFF.
 - B. LOOK A BOTH FRONT TIRES TO SEE IF THEY ARE POINTING STRAIGHT AHEAD. IF THEY ARE NOT YOU ARE GOING TO NEED TO LOOSEN THE DRAG LINK ADJUSTING SLEEVE BOLTS AND TURN THE ADJUSTING SLEEVE UNTIL THE TIRES ARE POINTING STRAIGHT AHEAD AND THE STEERING WHEEL IS CENTERED AT 9 AND 3. THE ADJUSTING SLEEVE IS LOCATED ON THE STEERING LINK BETWEEN THE STEERING BOX PITMAN ARM AND THE PASSENGER SIDE STEERING KNUCKLE. THIS ADJUSTMENT USUALLY REQUIRES NO MORE THAN ONE TURN.
 - C. IN ORDER TO ACHIEVE PROPER CLAMP FORCE ON THE ADJUSTING SLEEVE, THE CLAMP SLOTS MUST BE IN ALIGNMENT WITH THE SLOT ON THE ADJUSTING SLEEVE. IF THE CLAMPS AND ADJUSTING SLEEVE SLOT ARE NOT POSITIONED CORRECTLY IT MAY CONTRIBUTE TO TIRE SHIMMY. ONCE POSITIONED CORRECTLY TORQUE TO SPECS.

*** MAKE SURE TO RELAY THIS INFO TO YOUR ALIGNMENT TECH ***.



WARNING: MAKE SURE TO TURN THE STEERING COMPLETE LEFT TO RIGHT LOCK AFTER ADJUSTING TO VERIFY THE STEERING LINKAGE & ADJUSTING SLEEVE CLAMPS HAVE PROPER CLEARANCE BEFORE MOVING THE VEHICLE, ADJUST IF NECESSARY. ONCE THE WHEEL ALIGNMENT IS COMPLETE THIS CLEARANCE MUST BE VERIFIED AGAIN.

34. MAKE SURE THERE ARE NO CLEARANCE PROBLEMS. ROTATE THE STEERING LOCK TO LOCK UNDER FULL WEIGHT OF THE VEHICLE AND FULL SUSPENSION TRAVEL. MAKE SURE TO DOUBLE CHECK THE BRAKE LINE /ANTI LOCK WIRE TO TIRE/WHEEL CLEARANCE @ THIS TIME.
35. GO BACK AND CHECK THAT ALL INSTALLATION STEPS HAVE BEEN COMPLETED.
36. MAKE SURE TO INSTALL THE SUPPLIED WARNING DECAL FOLLOWING THE INSTRUCTIONS INCLUDED WITH THE WARNING INFORMATION SHEET.
37. MAKE SURE TO KEEP THESE INSTRUCTIONS WITH THE VEHICLE.
38. READJUST THE HEADLIGHTS TO THE PROPER SETTINGS.

39. ROAD TEST VEHICLE.

40. THE VEHICLE NEEDS TO HAVE A FRONT END ALIGNMENT PERFORMED IMMEDIATELY AFTER THE INSTALLATION OF THIS KIT IS COMPLETE.

41. CHECK THE TORQUE OF ALL NUTS AND BOLTS AFFECTED BY THIS PROCEDURE. RECHECK ALL NUTS AND BOLTS FOR TIGHTNESS AFTER THE FIRST 300 MILES AND AT EVERY ROUTINE SERVICE INSPECTION.

WARNING: AGAIN CHECK TIRE AND WHEEL CLEARANCE BEFORE MOVING VEHICLE. ALSO CHECK CLEARANCE IF INSTALLING NEW TIRES AND/OR WHEELS.

WARNING:

INSTALLER/DEALER IT IS YOUR RESPONSIBILITY TO INSTALL THE SUPPLIED WARNING LABEL WHERE VISIBLE TO ALL OCCUPANTS AND FORWARD THE SUPPLIED WARNING SHEET & AND INSTALLATION INSTRUCTIONS TO THE END USER. FOR MORE INFORMATION PLEASE REFER TO PART NO 15237 WARNING SHEET THAT IS INCLUDED WITH THESE INSTRUCTIONS.

IF YOU WOULD HAVE ANY QUESTIONS CONCERNING THIS KIT PLEASE CALL 724-430-2068 AND ASK FOR CUSTOMER SERVICE.

INSTALLATION NOTES:

GROUND FORCE

Limited Lifetime Warranty

North America Only

GROUND FORCE WARRANTY (LIMITED) AND REMEDY LIMITATIONS

TO: WHOLESALERS, JOBBERS, RETAILERS, INSTALLERS, AND VEHICLE OWNERS.

Ground Force warrants to vehicle owners that its products are from material defects in workmanship and materials as long as the installing vehicle owner owns the vehicle. Ground Force makes no other warranty. Ground Force makes no application or use recommendations for its products and is not responsible for such decisions. Excluded from the warranty are the finish, poly boots, and steering Stabilizers* (90 days from purchase, only). Ground Force gas shocks have a limited warranty: One year from date of purchase.

Ground Force retains the exclusive right to determine whether a Defect is material and replacement appropriate.

MATERIAL TO PARTICIPATION IN THIS WARRANTY PROGRAM IS THE DISCLAIMER OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THE SOLE REMEDY FOR ANY CLAIM OF PRODUCT DEFECT EITHER IN BREACH OF WARRANTY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE IS LIMITED TO REPAIR OR

REPLACEMENT OF THE PRODUCT AT GROUND FORCE'S DISCRETION.

EACH SELLER, INSTALLER AND USER OF THE PRODUCT AGREES THAT THIS LIMITATION OF REMEDIES IS A CONDITION OF THE SALE OF THE GROUND FORCE PRODUCT. EACH DISTRIBUTOR AND/OR SELLER OF GROUND FORCE PRODUCTS IS REQUIRED TO FORWARD WARRANTY/REMEDY INFORMATION TO EACH PURCHASER.

SELLERS, INSTALLERS AND USERS OF THIS PRODUCT(S) UNDERSTAND AND AGREE THAT REPAIR/REPLACEMENT REMEDY DOES NOT FAIL OF ITS ESSENTIAL PURPOSE. HOWEVER, IF DETERMINED TO FAIL OF ITS ESSENTIAL PURPOSE, SELLERS, INSTALLERS AND USERS AGREE, IN THE ALTERNATIVE, TO ACCEPT A REFUND OF THE PURCHASE PRICE AS A SOLE REMEDY.

Ground Force is not liable to sellers, installers or users of its products for incidental or consequential damages occasioned by any defect, malfunction, sale or use of any product, whether in breach of warranty, contract, strict liability or otherwise.

THIS DOES NOT APPLY TO PRODUCT WHICH HAVE BEEN ABUSED, MISUSED, IMPROPERLY INSTALLED OR TO VEHICLE OWNERS SUBSEQUENT TO INSTALLING PURCHASE.

VALIDATION AND CLAIM PROCEDURE

Answer your questions about Ground Force products by calling our hot line at (724) 430-2068. To take advantage of our warranty/remedy program, complete and return the warranty registration card attached, along with a copy of your receipt, within thirty days (30) of purchase.

To make a warranty claim, notify Ground Force at:

Attn: Ground Force Warranty Claim Department
P.O. Box 149
Mt. Braddock, PA 15465

Providing your name, address, vehicle make and model, product sold and installing dealer, if any. For your convenience, we suggest you keep this warranty/remedy certificate with your owner's manual!

To register part, tear off card below and mail to:

Ground Force Registration Dept.
P.O. Box 149
Mt Braddock, PA 15465

GROUND FORCE WARRANTY/REMEDY REGISTRATION

Yes!! I want to take advantage of Ground Force's warranty/remedy program. I have read the warranty/remedy certificate and certify that the enclosed receipt evidences my purchase of a Ground Force product.

Name: _____

Address: _____

Products: _____

Part#: _____ Dealer/Location: _____ Installer: _____

Date of Purchase: _____ Make & Model: _____

VIN #: _____ Year of Vehicle: _____ Vehicle GVW: _____

Signature: _____

GROUND FORCE®

WARNING

MODIFYING AN ORIGINAL EQUIPPED VEHICLE WILL RESULT IN A VEHICLE HANDLING DIFFERENTLY. ALL TYPES OF SUSPENSION MODIFICATIONS WILL AFFECT REACTION, RIDE, HANDLING AND WEAR AND TEAR RATE OF A VEHICLE AND ITS COMPONENTS. ABRUPT MANEUVERS, SHARP AND SUDDEN TURNS AND WEATHER CONDITIONS WILL INCREASE THE VEHICLE'S SUSCEPTIBILITY FOR LOSS OF CONTROL. DEATH AND SERIOUS INJURY COULD BE THE RESULT IF YOU FAIL TO OPERATE A MODIFIED VEHICLE SAFELY. KNOW AND FOLLOW THE LAWS OF THE STATES.

GROUND FORCE Mailing Address:
P.O. Box 149
Mt. Braddock, PA 15465

GROUND FORCE Shipping Address:
714 Braddock View Drive
Mt. Braddock, PA 15465

GROUND FORCE Phone Numbers:
(724) 430-2068
(724) 430-2075 Fax

ENCLOSED WITH THIS PRODUCT IS A WARNING LABEL WHICH IS TO BE AFFIXED ON THE VISOR OF THE VEHICLE WHERE VISIBLE TO ALL OCCUPANTS.