

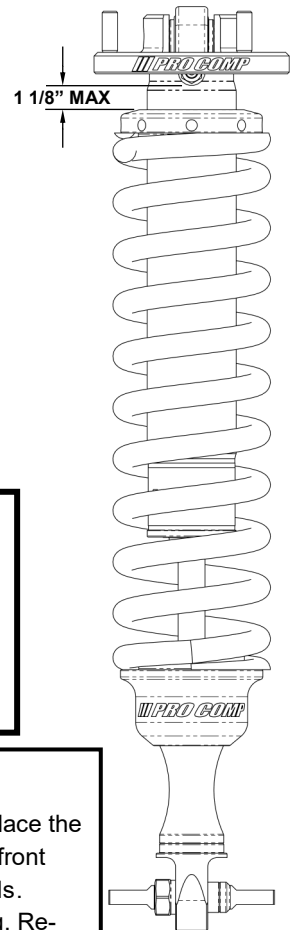
52231BX-1 INSTALL INSTRUCTIONS



WARNING: Cancer and Reproductive Harm
www.P65Warnings.ca.gov

14-21 F150 1-3 FR 2.5 IR

52231BX-1 BOX CONTENTS		
QTY.	PART NO.	DESCRIPTION
1	90-40981-00027	2.5 IFP CO DVR F150
1	90-40981-00029	2.5 IFP CO PAS F150
1	INST-52231BX-1	INSTRUCTIONS
1	90-60809	HARDWARE PACK
4	43RWHDI/DOM-THK	7/16 STM F436 HARD WASHER (A325) YELLOW ZINC EXTRA THICK
4	43RWHDI/USS-DOM-THK	7/16 F436 HARDENED WASHER USS YELLOW ZINC EXTRA THICK
4	43F275HC81	7/16-20 X 2 3/4 HEX CAP J429 GR8 ZINC II
4	43FNPTZ/GRC	7/16-20 TOPLOCK GRADE C ZINC
1	90-6317	HARDWARE PACK
6	43FNG81	7/16-20 HEX NUT GR8 ZINC II
6	43RLSRZ	7/16 SPLT LW ZINC PLTD
6	43RWHDI/IMP	7/16 ASTM F436 HARD WASHER-YELLOW ZINC



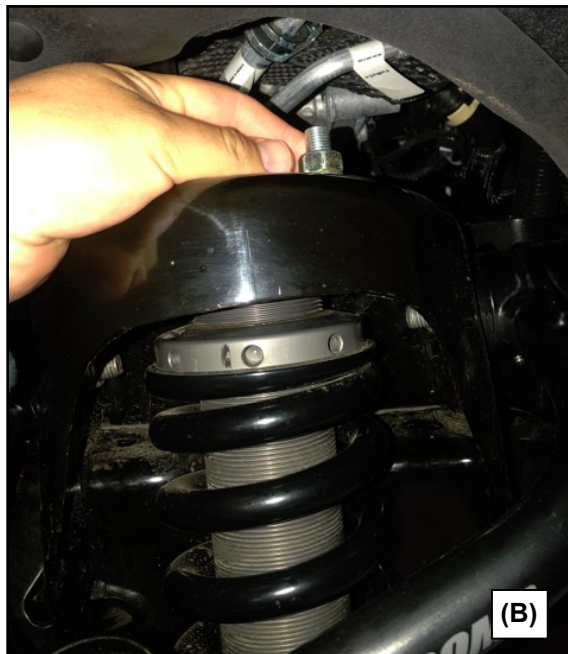
TECH NOTES

1. THESE SHOCKS ASSEMBLIES COME FACTORY CHARGED AT **200 PSI**. RELEASING NITROGEN PRESSURE FROM THE CHARGE PORT MAY LEAD TO SHOCK MALFUNCTION AND REDUCE RIDE QUALITY. FAILURE CAUSED BY RELEASING NITROGEN PRESSURE IS NOT COVERED BY WARRANTY.
2. ADJUSTER DIMENSION FROM THE CHARGE PORT COUNTER BORE TO THE TOP OF THE COIL ADJUSTER. **RECOMMENDED MAXIMUM ADJUSTMENT IS 1 1/8"**. RIDE QUALITY SIGNIFICANTLY REDUCED BEYOND 1 1/8"
⚠ WARNING: DO NOT EXCEED MAX ADJUSTMENT OF 3 3/8" OR COIL BIND WILL OCCUR.
5/16" PIN SPANNER WRENCH (54001B) SOLD SEPARATELY.
3. RIDE TUNE OPTIMIZED FOR USE IN CONJUNCTION WITH 52231BX-2 REAR SHOCK KIT.

INSTALLATION:

1. If upgrading to these coilovers, ensure that your workspace is of adequate size and the work surface is level. Place the vehicle in park and set the parking brake. Place safety wheel blocks in front of and behind the rear tires. Raise front end of the vehicle using a floor jack. Place jack stands under the frame rails and lower the frame onto the stands.
2. Remove front wheels/tires. Be sure to loosen the axle nut so the inner axle does not come apart when installing. Remove the (2) OE lower nuts from the lower control arm. Apply mark on the OE cam bolt and crossmember. Repeat for the OE cam nut and crossmember. *See Image (A)*
NOTE: The marks will be used as a reference to reinstall the cam bolts and nuts in the same position.
3. Disconnect sway bar links from sway bar on both sides of the vehicle.
4. Support the lower control arm with a floor jack and remove the (2) OE lower control arm cam bolts. Carefully lower the lower control arm to disengage the OE lower strut studs from the lower control arm. Remove the (3) upper nuts on coil over bucket and remove OE assembly.
5. Install the new coilover (**90-40981-00027**) into the coilover bucket. Use the supplied 7/16" washers/lock washers/nuts in hardware pack (**90-6317**) for the upper coilover mount. *See Image (B)*
6. Use the supplied hardware pack (**90-60809**) for the lower bar pin mount on lower control arm. *See Image (C)*
7. Torque the supplied upper hardware to 45-50ft-lbs and lower hardware to 60ft-lbs.
8. Install lower control arm bolts, and align the marks made previously.
9. Torque previously loosened axle nut to OE specification.
10. Repeat on passenger side coilover (**90-40981-00029**).
11. Connect sway bar links to sway bar. Torque to OE specification.
12. Torque OE cam hardware to OE specification once vehicle is back on the ground.
13. Have vehicle professionally aligned.
14. Recheck all hardware for tightness after every off-road use.





Notice to Owner operator, Dealer and Installer:

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Pro Comp reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure your Dealer/Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Pro Comp reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components. Further, installation of certain Pro Comp products may void the vehicle's factory warranty as it pertains to certain covered parts; it is the consumer's responsibility to check with their local dealer for warranty coverage before installation of the lift.

Warranty and Return policy:

Pro Comp warrants its full line of products to be free from defects in workmanship and materials. Pro Comp's obligation under this warranty is limited to repair or replacement, at Pro Comp's option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Pro Comp is not responsible for damages and /or warranty of other vehicle parts related or non-related to the installation of Pro Comp product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications. Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Pro Comp or at any factory authorized Pro Comp dealer.

IMPORTANT! To validate the warranty on this purchase please be sure to mail in the warranty card.

Claims not covered under warranty-

- Parts subject to normal wear, this includes bushings, bump stops, ball joints, tie rod ends and heim joints
 - Discontinued products at Pro Comp's discretion
- Bent or dented product
- Finish after 90 days
- Leaf or coil springs used without proper bump stops
- Light bulbs
- Products with evident damage caused by abrasion or contact with other items
- Damage caused as a result of not following recommendations or requirements called out in the installation manuals
- Products used in applications other than listed in Pro Comp's catalog
- Components or accessories used in conjunction with other manufacturer's systems
- Tire & Wheel Warranty as per Pro Competition Tire Company policy
- Warranty claims without "Proof of Purchase"
- Pro Comp 2.5 coilover and 2.5 monotube shocks are considered a serviceable shock with a one-year warranty against leakage only. Rebuild service and replacement parts will be available and sold separately by Pro Comp. Contact Pro Comp for specific service charges.
- Pro Comp accepts no responsibility for any altered product, improper installation, lack of or improper maintenance, or improper use of our products.

**PLACE
WARRANTY REGISTRATION
HERE:** _____