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Latest Revision Date:
8.9.18

PRO COMP SUSPENSION

61183K
2019 & UP Dodge Ram 1500 4WD 2 1/2" Front/1 1/2" Rear Spacer Kit

This document contains very important information that includes warranty information and instructions for resolving problems you may encounter. Please keep it in the vehicle as a permanent record.

Part #	Description	Qty.
94-8010m	**STRUT SPACER**	**2**
90-6317m	**HARDWARE PACK: SPACER MOUNT**	**1**
	10mm-1.25 FLANGE NUT	6
90-6264	**HARDWARE PACK: DROOP STOP**	**1**
15-11018	DROOP STOP	2
72-03700100512	3/8” NYLOCK NUT	2
73-03700032	3/8” FLAT WASHER	2
94-11822	**DROOP STOP BRACKET: Drvr**	**1**
94-11823	**DROOP STOP BRACKET: Pass**	**1**
35-11824	**DUAL NUTPLATE: 12mm-1.75**	**2**
94-11826	**REAR COIL SPACER**	**2**
90-60724	**HARDWARE PACK: Droop Stop Bracket**	**1**
71-120301758800	12mm-1.75 X 30mm HEX BOLT 8.8	4
73-01200040	12mm FLAT WASHER	4
90-6769	**HARDWARE PACK: Rear Coil Spacer**	**1**
.120C350HCSMZ	12mm-1.75 X 35mm HEX BOLT 8.8	2
.120NWHDY	12mm HARDENED FLAT WASHER	2
.120CNNEZ	12mm NYLOCK NUT	2

NOTE: All part images may vary from catalog and instructions.

Introduction:

- This installation requires a professional mechanic!
- We recommend that you have access to a factory service manual for your vehicle to assist in the disassembly and reassembly of your vehicle. It contains a wealth of detailed information.
- Prior to installation, carefully inspect the vehicle's steering and driveline systems paying close attention to the tie rod ends, ball joints, wheel bearing preload, pitman and idler arm. Additionally, check steering-to-frame and suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition. Repair or replace all worn or damaged parts!
- Read the instructions carefully and study the illustrations before attempting installation! You may save yourself a lot of extra work.
- Check the parts and hardware against the parts list to assure that your kit is complete. Separating parts according to the areas where they will be used and placing the hardware with the brackets before you begin will save installation time.
- Check the special equipment list and ensure the availability of these tools.
- Secure and properly block vehicle prior to beginning installation.
- ALWAYS wear safety glasses when using power tools or working under the vehicle!
- Use caution when cutting is required under the vehicle. The factory undercoating is flammable. Take appropriate precautions. Have a fire extinguisher close at hand.
- Foot pound torque readings are listed on the Torque Specifications chart at the end of the instructions. These are to be used unless specifically directed otherwise. Apply thread lock retaining compound where specified.
- **Please note that while every effort is made to ensure that the installation of your Pro Comp lift kit is a positive experience, variations in construction and assembly in the vehicle manufacturing process will virtually ensure that some parts may seem difficult to install. Additionally, the current trend in manufacturing of vehicles results in a frame that is highly flexible and may shift slightly on disassembly prior to installation. The use of pry bars and tapered punches for alignment is considered normal and usually does not indicate a faulty product. However, if you are uncertain about some aspect of the installation process, please feel free to call our tech support department at the number listed on the cover page. We do not recommend that you modify the Pro Comp parts in any way as this will void any warranty expressed or implied by the Pro Comp Suspension company.**

PLEASE NOTE:

Due to differences in manufacturing, dimensions and inflated measurements, tire and wheel combinations should be test fit prior to installation. Tire and wheel choice is crucial in assuring proper fit, performance, and the safety of your Pro Comp equipped vehicle. For this application, we recommend no larger than a 35" X 12.50" tire on a 9" wheel with 5" of backspacing. Additionally, quality tire of radial design wide is also recommended. Violation of these recommendations will not be endorsed as acceptable by Pro Comp Suspension and will void any and all warranties either written or implied.

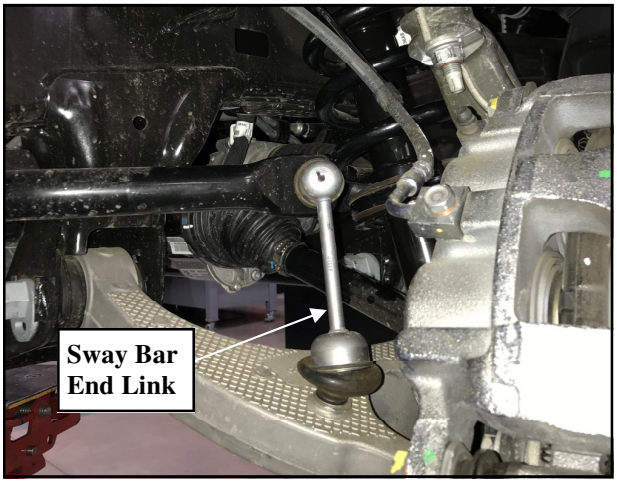
FRONT INSTALLATION:

1. Prior to installing this kit, with the vehicle on flat, level ground. Measure the height of your vehicle. This measurement can be recorded from the center of the wheel, straight up to the top of the inner fender lip. Record the measurements below.

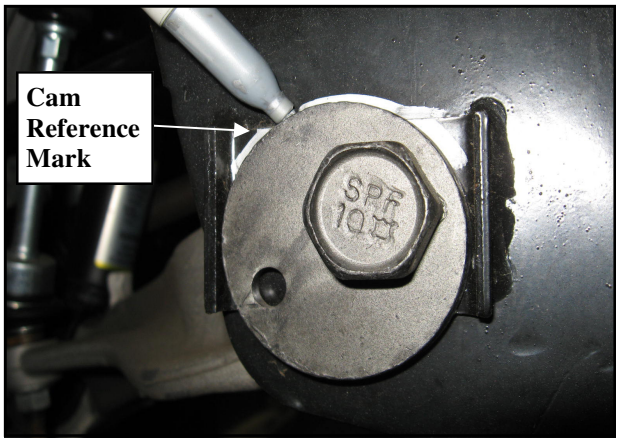
LF:_____ **RF**:_____

LR:_____ **RR**:_____

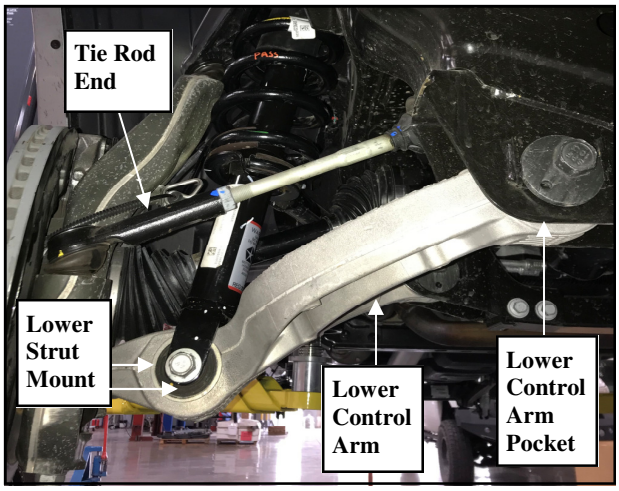
2. Ensure that your work space is of adequate size and the work surface is level. Place the vehicle in neutral. Place your floor jack under the front cross member and raise vehicle. Place jack stands under the frame rails behind the front wheel wells and lower the frame onto the stands. Remove the jack and place the vehicle back in gear, set the emergency brake, and place blocks both in front of and behind the rear wheels. Remove the front wheels.
3. Remove any skid plates or debris shields from the bottom of the vehicle.
4. Unbolt the sway bar from the sway bar end links. Save the hardware for reuse.



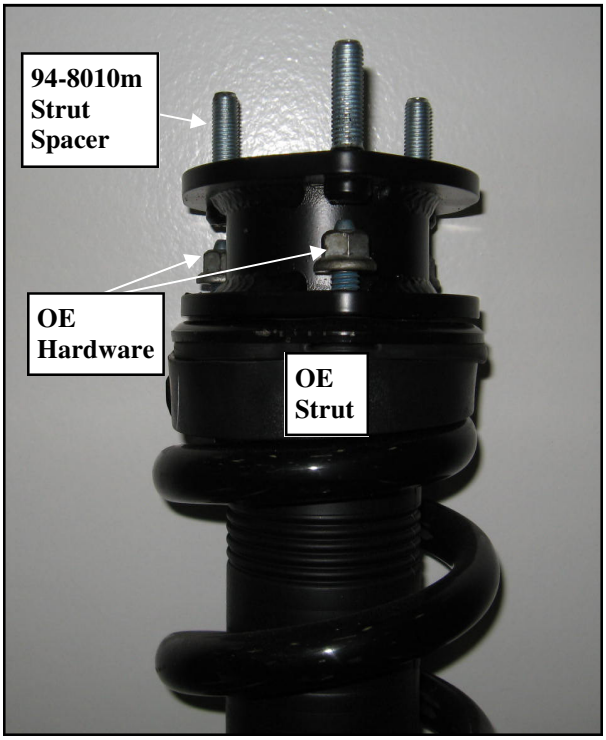
5. Remove the nut from the tie rod ends. Using the tie rod end puller, remove the tie rod from the **OE** spindle. Be very careful that you do not damage the dust guard or the tie rod end. Save the nut for reuse.
6. Mark the position of the cam bolts on the factory crossmember.

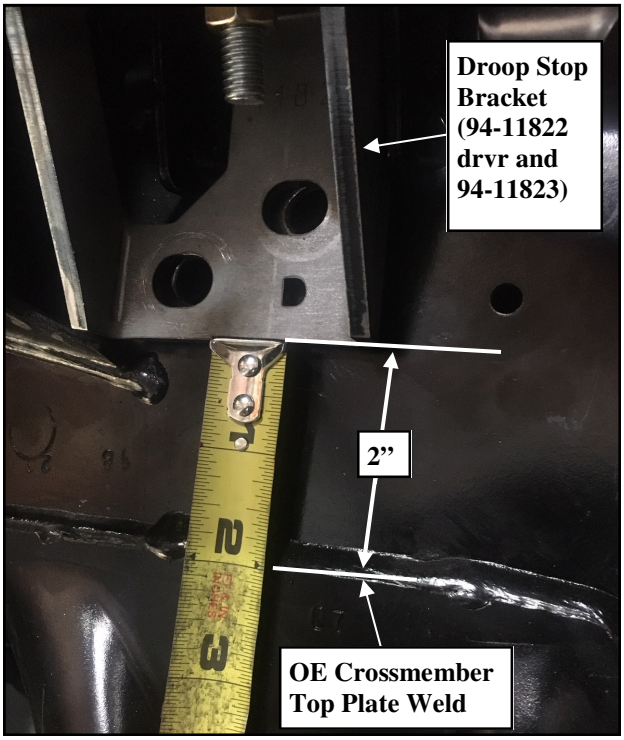


7. Support the lower control arm with a jack. Loosen the three upper strut mounting nuts. ***DO NOT*** loosen the middle strut nut. Save the hardware for reuse.
8. Remove the lower strut retaining bolt and hardware. Save the hardware for reuse.

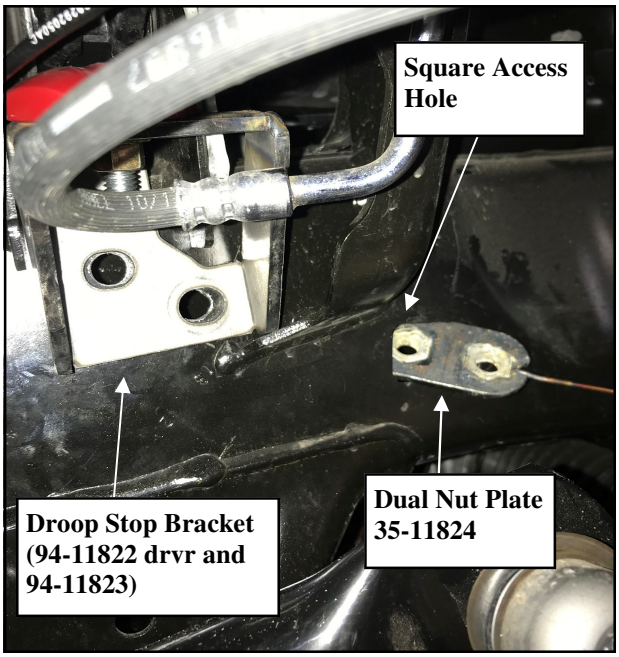


9. Remove the lower control arm bolts. Use a pry bar to remove the lower control arm out of it's mounting pocket. Save the hardware for reuse.
10. Carefully remove the strut from the vehicle.
11. Install the strut spacer **(94-8010m)** to the strut assembly secure using the **OE** hardware. Torque the hardware to manufacturer's specifications.



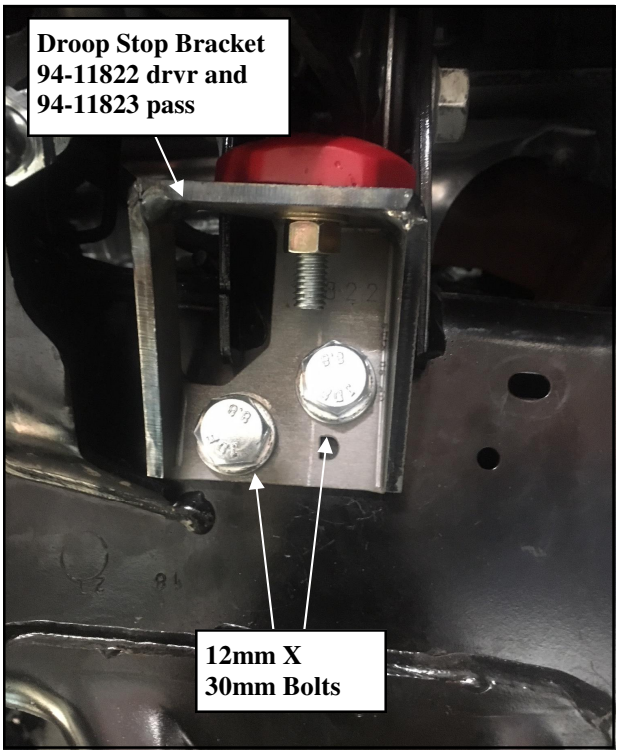


12. Install the droop stop **(15-11018)** to the droop stop bracket **(94-11822 drvr** and **94-11823 pass)** and secure using the provided **3/8”** hardware.
13. Using a jack, lift the lower control arm back into the pocket and temporarily reinstall the previously removed **OE** lower control arm bolts. **DO NOT** tighten the lower control arm bolts.
14. Raise the jack to lift the suspension up to create enough clearance to install the droop stop bracket **(94-11822 drvr** and **94-11823 pass)** under the rear of upper control arm. Support the suspension with a jack stand.
15. Position the droop stop bracket **(94-11822 drvr** and **94-11823 pass)** under the rear of the upper control arm, and measure up approximately **2”** from the weld of **OE** cross member top plate to the bottom of the droop stop bracket. Using the bracket as a template, apply a mark in the center of the **(2)** mounting holes.
16. Remove the droop stop bracket droop stop bracket **(94-11822 drvr** and **94-11823 pass)** from the frame. Center punch the previously applied marks and drill **(2)** holes using a **1/2”** drill bit.
17. Insert the dual nut plate **(35-11824)** through the square hole in the frame and align with the **(2)** previously drilled mounting holes.



18. Install the droop stop bracket **(94-11822 drvr** and **94-11823 pass)** to the frame and secure using the supplied **12mm X 30mm** bolts and washers. Torque the **12mm** bolts to 55 ft./lbs.

    NOTE: Fold the remainder of the dual nut plate wire out of the way or inside the frame.



19. Lower the jack under the lower control arm and remove the lower control arm bolts. Use a pry bar to remove the lower control arm out of it's mounting pocket. Save the hardware for reuse.

20. Reinstall the strut assembly and spacer into the stock upper mounting location. Fasten using the supplied **10mm** hardware on the top from hardware pack **(90-6317m)** torque to 45-50 ft./lbs.

21. Use a jack to raise the lower control arm into the **OE** mounting pockets and secure using the previously removed **OE** bolts. ***DO NOT*** tighten these bolts at this time.

22. Install the **OE** strut retaining bolt through the lower strut mount and control arm. Tighten bolt hand tight only at this time..

23. Reattach the **OE** sway bar end link hardware. Torque to manufacturers specifications.

24. Reattach the outer tie rod end to the steering knuckle using the **OE** nut. Torque to 55 ft./ lbs.

25. Repeat steps 4 through 24 on the remaining side of the vehicle.

26. Install your wheels and tires and lower the vehicle to the ground. Tighten the lug nuts to 120 ft./lbs.

27. With the vehicle on the ground, align the lower control arm cams to the previously applied markings and torque the lower control arm bolts and lower strut mount bolts to 125 ft./lbs.

28. Recheck for proper installation and torque, all newly installed hardware.

IMPORTANT! BE SURE TO BRING THE VEHICLE IMMEDIATELY TO A REPUTABLE ALIGNMENT SHOP TO BE ALIGNED.

NOTES:

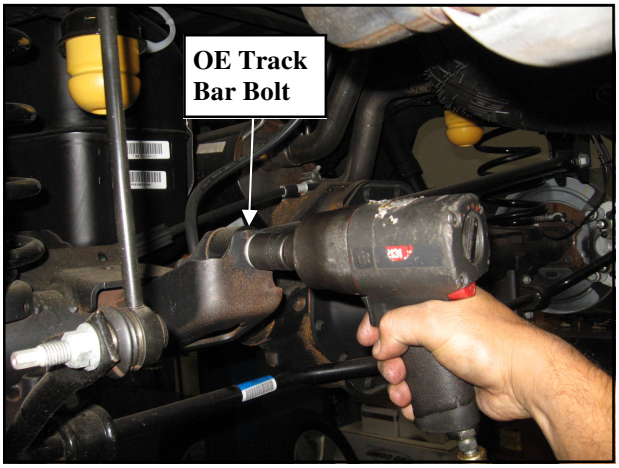
⇒ **After 100 miles recheck for proper torque on all newly installed hardware.**

⇒ **Have your headlights adjusted.**

⇒ **Recheck all hardware for tightness after off road use.**

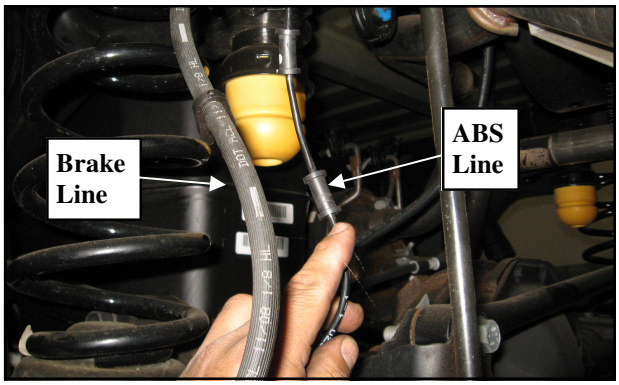
REAR INSTALLATION:

1. Ensure that your work space is of adequate size and the work surface is level. Place the vehicle in neutral. Place your floor jack under the rear axle and raise vehicle. Place jack stands under the frame rails behind the rear wheel wells and lower the frame onto the stands. Remove the jack and place the vehicle back in gear, set the emergency brake, and place blocks both in front of and behind the rear wheels. Remove the rear wheels.
2. Unbolt the track bar bolt from the axle. Save the hardware for reuse.



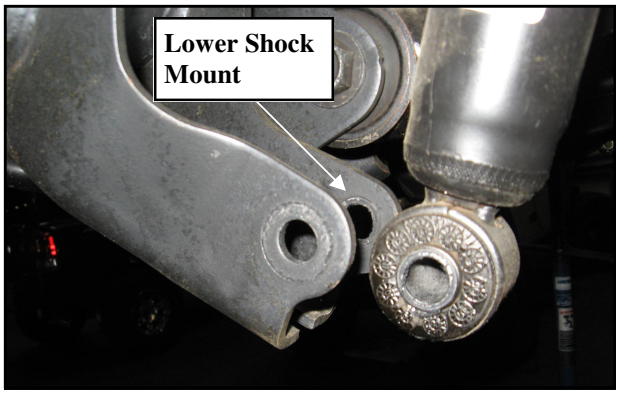
3. Unbolt the sway bar from the sway bar end links. Save the hardware for reuse.

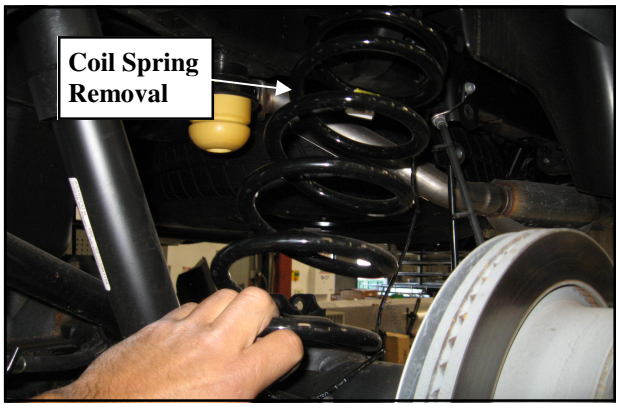
4. Unclip the ABS line from the brake lines on both sides of the vehicle.



5. Carefully lower the rear axle enough to remove the coil springs from the rear spring pockets. Save the factory isolators for reinstallation.

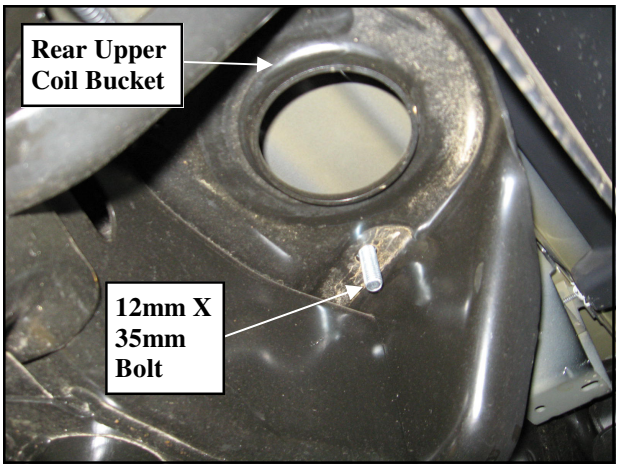
NOTE: Be sure to support the rear axle while the springs and shocks are removed.

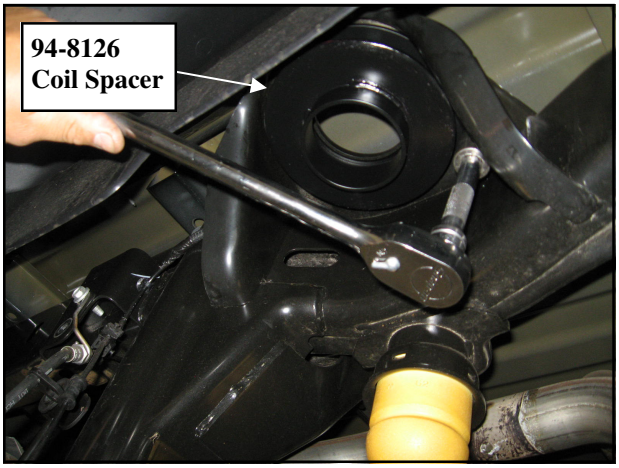




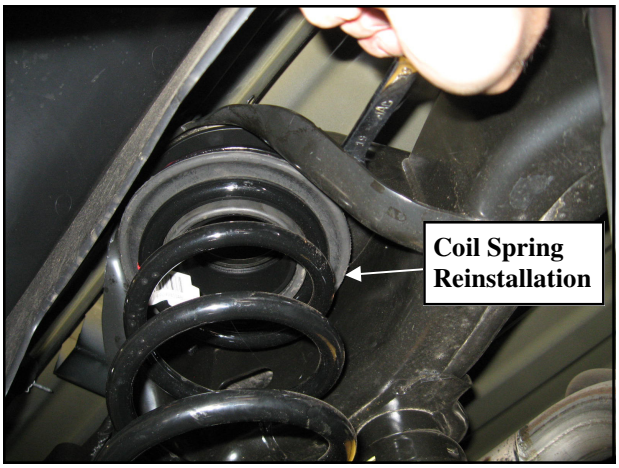
6. Install the rear coil spacer **(94-11826)** into the upper coil bucket by securing it with the supplied **12mm X 35mm** bolt and hardware.

NOTE: Install the bolt from top of the coil bucket down.





7. Reinstall the rear spring assembly into the rear axle spring perch. Make sure the pigtail of the spring and **OE** isolator properly indexed in the mounting pocket.



8. Reconnect the rear sway bar end links. Torque to manufacturers specifications.
9. Reconnect the rear lower shock mounts and install the wheels. Torque the lower shock mount bolt to 95 ft./lbs.
10. Re-clip the ABS line to the brake lines on both sides of the vehicle.
11. Lower the vehicle to the ground. Reconnect the rear track bar using the previously removed bolt. Torque the bolt to 130 ft./lbs.
12. Torque the rear lug nuts to 120 ft./lbs.
13. Recheck the torque on all bolts after 500 miles or after any off road use.

NOTE: Use thread locking compound on any bolts that had factory thread locker on them originally.

NOTES:

⇒ **After 100 miles recheck for proper torque on all newly installed hardware.**

⇒ **Have your headlights adjusted.**

⇒ **Recheck all hardware for tightness after off road use.**

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

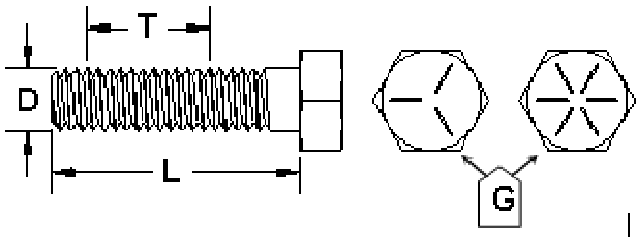
Bolt Torque and ID

Decimal System

Metric System

All Torques in Ft. Lbs. Maximums

Bolt Size	Grade 5	Grade8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



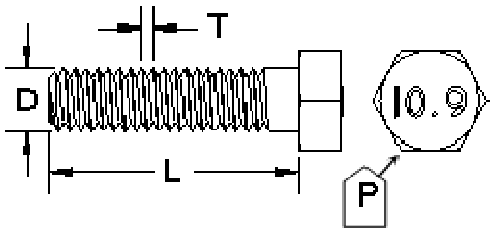
1/2-13x 1.75 HHCS

D T L X

Grade 5 **Grade 8**

(No. of Marks + 2)

G = Grade (Bolt Strength)
D = Nominal Diameter (Inches)
T = Thread Count (Threads per Inch)
L = Length (Inches)
X = Description (Hex Head Cap Screw)



M12-1.25x50 HHCS

D T L X

P = Property Class (Bolt Strength)
D = Nominal Diameter (Millimeters)
T = Thread Pitch (Thread Width, mm)
L = Length (Millimeters)
X = Description (Hex Head Cap Screw)

The PRO COMP PROMISE WARRANTY

At Pro Comp, we know you have many choices when selecting products to personalize your vehicle. You should demand nothing but the highest quality available and have total confidence that the products you selected are the best in the industry. It is for these reasons that Pro Comp Suspension products are backed by the best warranty in the industry...the Pro Comp Promise!

Pro Comp promises that its products will last a lifetime or we will replace it free of charge. It's that simple! Because of our commitment to quality and manufacturing excellence, we are able to stand behind our products. FOREVER. It is Pro Comp's Promise that if one of our suspension products breaks not due to misuse, neglect or vandalism, we will replace it. Whether you are the original purchaser or not, you can be assured that we will make it right. The Pro Comp Promise covers all suspension products including shocks and steering stabilizers. Buy Pro Comp Suspension today and enjoy it for the rest of your life!

That's our Pro Comp Promise!

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 that the Dealer / Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Pro Comp product.

Warranty and Return Policy:

Pro Comp warranties its full line of products to be free from defects in workmanship and materials for the life of the product. 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.
* Finish after 90 days.
* Damage caused as a result of not following recommendations or requirements called out in the installation manuals.

Pro Comp MX Series coil-over 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.

E-Mail: info@procompusa.com
Website: www.procompusa.com
Fax: (310) 747-3912
Ph: 1-800-776-0767

PLACE

WARRANTY REGISTRATION NUMBER

HERE: _____