

off-road driven!™

PRO COMP SUSPENSION

K2089B/K2089BMX

56719B/56719BMX

2013-2014 Ram 3500 4X4 4" Diesel Radius Arm Drop kit

K2090B/K2090BMX

56719B/56719BMX

2013-2014 Ram 3500 4X4 4" Gas Radius Arm Drop kit

K2085B/K2085BMX

56717B/56717BMX

2013-2014 Ram 3500 4X4 6" Diesel Radius Arm Drop kit

K2086B/K2086BMX

56717B/56717BMX

2013-2014 Ram 3500 4X4 6" Gas Radius Arm Drop 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.

Box 1 of 4 PN # 56717B-1

Part #	Description	Qty.	Illus.	Page
90-9540	1/2" NARROW NUT PLATE	4	В	16
90-6502 750C125HCS8Y 50NWHDY/SAE	HARDWARE PACK: Radius Arm Drop Bracket 1/2" X 1 1/4" HEX BOLT GR. 8 1/2" HARDENED FLAT WASHER	2 2 2	3 3 3	7 7 7
91-9542	RADIUS ARM DROP BRACKET	2	3	7
90-6953	HARDWARE PACK: Radius Arm Drop Bracket 18mm- 1.5 X 120mm HEX BOLT Gr. 10.9 18mm- 1.5 STOVER NUT 10.9 18mm FLAT WASHER PLATED		- 3 3 3	- 7 7 7
	Box 2 of 4 PN # 56717B-2			
DC600-1	PITMAN ARM	1	4	8
96-5779	PITMAN ARM TORQUE TOOL	1	4	8
HERNON427	RED THREAD LOCKER	1	-	-
15-10995	BUMPSTOP	2	2	6
90-6029 15-10966 13-20447 91-3081	HARDWARE PACK: Front Brake Line 3/8" PLASTIC HOSE CLAMPS #10 X 1/2" HWH ZINC REAR BUMP STOP BRACKETS	1 4 4 4	- - - A	- - - 15
90-6223 70-0371251800 72-0371000816 73-03700034 90-6340 70-0431251800	HARDWARE PACK: Rear Bump Stops 3/8" X 1 1/4" HEX BOLT GR. 8 3/8" STOVER NUT 3/8" SAE FLAT WASHER Gr. 8 HARDWARE PACK: Sway Bar Drops 7/16" X 1 1/4" HEX BOLT Gr. 8		- A A A	- 15 15 15 11
70-0431251600 72-043100816 73-0400830	7/16 X 1 1/4 HEX BOLT GI. 8 7/16" STOVER NUT 7/16" FLAT WASHER	4 4 8	7 7 7	11 11 11
91-9523	SWAY BAR DROP: Drvr	1	7	11
91-9526	SWAY BAR DROP: Pass	1	7	11
90-9528	BRAKE LINE TAB: Drvr	1	8	11
90-9529	BRAKE LINE TAB: Pass	1	8	11
90-6958 90-4591 90-6299 70-0311001800 72-0531100816 73-03100034	HARDWARE PACK: Front Brake Line Tabs 8mm-1.25 CLIP-ON NUT HARDWARE PACK: Front Brake Line Tabs 5/16" X 1" HEX BOLT GR. 8 5/16" NYLOCK NUT 5/16" HARDENED FLAT WASHER		8 8 8 8 8	11 11 11 11 11
91-9530	FRONT TRACK BAR DROP BRACKET	1	9	12
90-8321	TRACK BAR BRACKET SPACER	1	9	12

Part #	Description	Qty.	Illus.	Page
90-6954	HARDWARE PACK: Track Bar Bracket to Frame 18mm- 1.5 X 100mm HEX BOLT Gr. 10.9	1 1	9 9	12 12
	18mm– 1.5 STOVER NUT 10.9 18mm FLAT WASHER PLATED	1 2	9 9	12 12
90-9536	3/8" DOUBLE NUT PLATE: Track Bar Bracket to Frame	1	9	12
90-6955	HARDWARE PACK: Track Bar Bracket to Frame 3/8" X 1 1/4" HEX BOLT Gr. 8	1 2	9 9	12 12
	3/8" FLAT WASHER PLATED	2	9	12
90-6956 90-4583	HARDWARE PACK: Cam Bolt CAM BOLT: 100mm	1 1	9 9	12 12
90-9539	CAM WASHER 18mm-1.5 NUT: 10.9	1 1	9 9	12 12
	18mm WASHER PLATED	1	9	12
007504	Box 3 of 4 PN # 56709B-3	•	-	•
927591	FRONT SHOCK ABSORBER	2	5	9
929505	REAR SHOCK ABSORBER	2	-	-
926553	OR Box 3 of 4 PN # 56719B-3 FRONT SHOCK ABSORBER	2	5	9
		_	3	9
929543	Box 3 of 4 PN # 56709BMX-3	2	-	-
		O+.	Illino	Dago
Part #	Description	Qty.	IIIUS.	raye
Part # MX6104	Description MX-6 FRONT SHOCK ABSORBER	Qty. 2	Illus. 5	Page 9
	•	•		•
MX6104	MX-6 FRONT SHOCK ABSORBER	2		•
MX6104	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER	2		•
MX6104 MX6003	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3	2 2	5	9
MX6104 MX6003 MX6169	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER	2 2	5	9
MX6104 MX6003 MX6169	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER	2 2	5	9
MX6104 MX6003 MX6169 MX6100	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4	2 2 2	5 - 5 -	9 - 9 -
MX6104 MX6003 MX6169 MX6100 95-300D	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK	2 2 2 2	5 - 5 -	9 - 17
MX6104 MX6003 MX6169 MX6100 95-300D 13-90328	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT 5/8" WASHERS	2 2 2 2 4 1 8	5 - 5 - B B	9 - 9 - 17 17 -
MX6104 MX6003 MX6169 MX6100 95-300D 13-90328	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT 5/8" WASHERS 5/8" NUTS	2 2 2 2 4 1 8	5 - 5 - B B	9 - 9 - 17 17 -
MX6104 MX6003 MX6169 MX6100 95-300D 13-90328 20-65471	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT 5/8" WASHERS 5/8" NUTS OR Box 4 of 4 PN # 56719B-4	2 2 2 2 4 1 8 8	5 - B B B B	9 - 9 - 17 17 - 17 17
MX6104 MX6003 MX6169 MX6100 95-300D 13-90328 20-65471	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT 5/8" WASHERS 5/8" NUTS OR Box 4 of 4 PN # 56719B-4 2" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT	2 2 2 2 4 1 8 8	5 - 5 B B B B	9 - 9 - 17 17 17 17 17
MX6104 MX6003 MX6169 MX6100 95-300D 13-90328 20-65471 95-200D 13-90328	MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER OR Box 3 of 4 PN # 56719BMX-3 MX-6 FRONT SHOCK ABSORBER MX-6 REAR SHOCK ABSORBER Box 4 of 4 PN # 56717B-4 3" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125" HARDWARE PACK: U-BOLT 5/8" WASHERS 5/8" NUTS OR Box 4 of 4 PN # 56719B-4 2" ALUMINUM BLOCK U-BOLTS: 5/8"-18- X 4.250" X 14.125"	2 2 2 2 4 1 8 8	5 - 5 - B B B B B	9 - 9 - 17 17 17 17

FOLLOWING PARTS ARE USED IN CONJUNCTION WITH THIS KIT. THEY ARE PACKAGED AND MUST BE ORDERED SEPARATELY.

COIL SPRINGS: 56190 (Gas) For 2013 4" kit COIL SPRINGS: 56180 (Diesel) For 2013 4" kit COIL SPRINGS: 56210 (Gas) For 2013 6" kit COIL SPRINGS: 56200 (Diesel) For 2013 6" kit

- ⇒ Front end and head light realignment is necessary!
- ⇒ Speedometer and ABS recalibration will be necessary if larger tires (10% more than stock diameter) are installed.

TIRE INFORMATION:

Tire and wheel choice is crucial in assuring proper fit, performance, and the safety of your Pro Comp equipped vehicle. For this application, a wheel not to exceed 10" in width with a minimum backspacing of 3.25" must be used. Additionally, a quality tire of radial design, not exceeding 35" tall X 13.5" wide (for the 4" drop kits) or 37 tall X 13.5" wide (for the 6" drop kits) is 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.

SPECIAL TOOLS:

- ⇒ PLEASE REFER TO YOUR SERVICE MANUAL FOR MORE INFORMATION.
- ⇒ A SPECIAL REMOVAL TOOL IS REQUIRED FOR SAFE REMOVAL OF THE TIE RODS.
- ⇒ A SPECIAL REMOVAL TOOL IS REQUIRED FOR SAFE REMOVAL OF THE COIL SPRINGS.
- \Rightarrow YOU WILL NEED TO PURCHACE NEW FACTORY CAM BOLTS FOR THE LOWER CONTROL ARMS.
- ⇒ THESE TOOL MAY BE PURCHASED AT YOUR LOCAL DEALER.
- ⇒ YOU MAY BE ABLE TO RENT ANY OF THESE TOOLS AT YOUR LOCAL PARTS STORE.

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, 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 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.
- Disconnect the negative battery cable when working on the vehicle.

Front Installation

 Prior to installing this kit. With the vehicle on the 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:

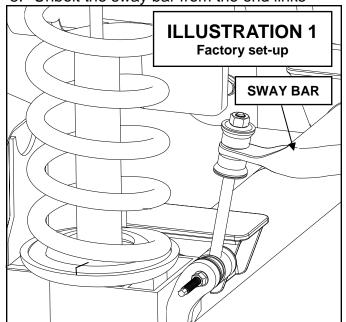
- 2. Ensure that your work space is of adequate size and the work surface is level. Set the emergency brake. Place your floor jack under the front axle and raise vehicle. Place jack stands under the frame rails behind the front wheel wells and lower the frame onto the stands. Remove the jack and place blocks both in front of and behind the rear wheels. Remove the wheels.
- 3. Remove any skid plates or debris shields from the bottom of the vehicle.
- Unbolt both brake line brackets from the axle and front axle brackets to allow for free movement of the suspension components.

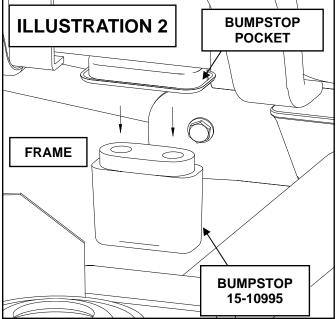
5. Unbolt the sway bar from the end links

- and remove it from the vehicle. Save the sway bar and hardware for reinstallation.
- Unbolt and remove the front track bar from the vehicle. Save the **OE** bolts and hardware for reuse

Work on one side of the vehicle at a time.

- Unbolt and remove the front shock absorber. Save the OE hardware for reinstallation.
- 8. Carefully lower the floor jack until coil spring is free from the upper spring pocket. Remove the coil spring.
- 9. Remove and set aside the upper and lower rubber isolator pads for the coil.
- 10. Repeat on other side of the vehicle.
- 11.Locate the front rubber bump stops, mounted on the frame near the coils. Remove the bump stop from it's pocket using a pair of pliers. A back and forth action will assist in working it out.
- 12. Place the new bump stops (15-10995) in existing bump stop pockets, as shown in **ILLUSTRATION 2**. By using leverage against the bottom of the bump stops,

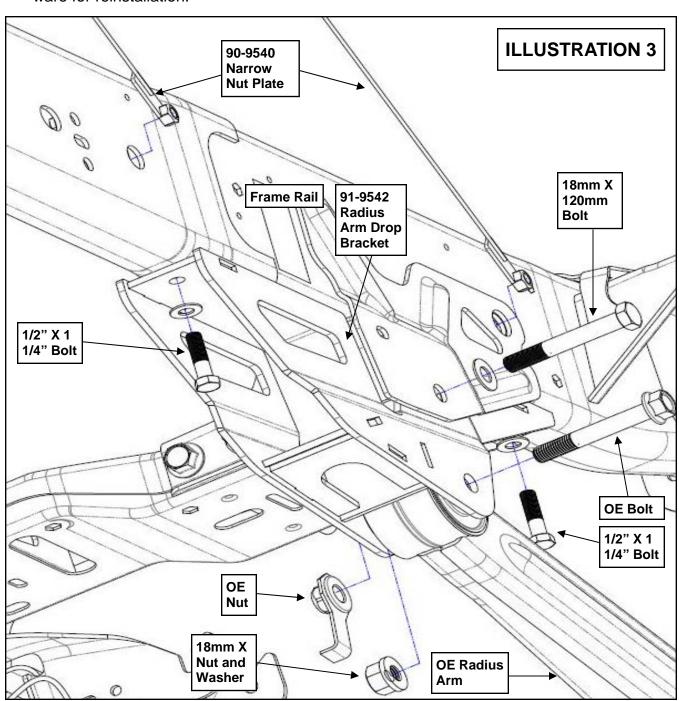


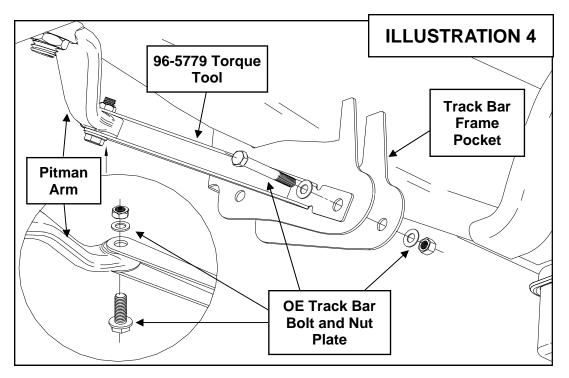


force the bump stop into place (detergent soap may help if the fit is tight).

NOTE: Use the weight of the vehicle to help set the bump stops in place.

- 13. Using a jack, support the radius arm at the frame mount.
- 14. Remove the **OE** bolts from both **OE** lower radius arm mounts. Save the **OE** hardware for reinstallation.
- 15. Lower the **OE** radius arm from the frame pocket to provide adequate clearance to insert the radius arm drop (91-9542) into the frame pocket. See **ILLUSTRATION** 3.
- 16. Use the supplied 18mm X 120mm bolt to secure the radius arm drop (91-9542) to the frame. Use the previously removed OE nut plate on the upper bolt. See IL-LUSTRATION 3.





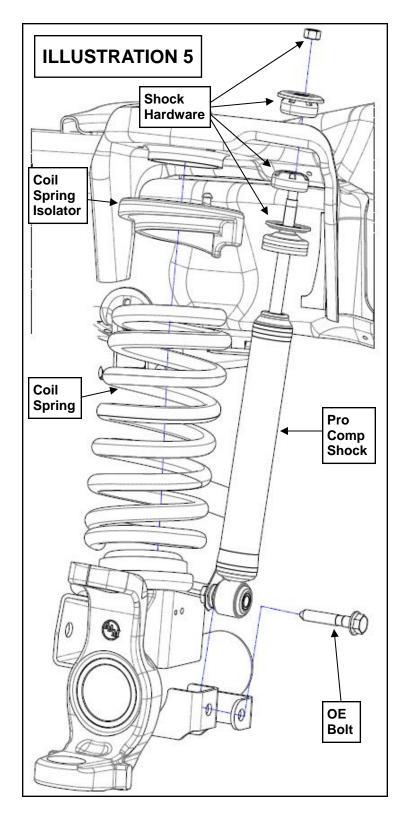
- 17. Feed the 1/2" narrow nut plates (90-9540) through the existing holes in the frame and secure the front and rear of the radius arm drops to the frame pocket using the supplied 1/2" X 1 1/4" bolts and hardware. See ILLUSTRATION 3.
- 18. Raise the radius arms up into the new drops and secure using the previously removed OE bolts and hardware. See ILLUSTRATION 3.
- 19. Torque all radius arm drop hardware at this time according to the chart on page
 16. <u>DO NOT</u> torque the OE radius arm bolts until vehicle is resting on the ground at ride height.
- 20.Remove the sector shaft Pitman arm retaining nut and save for reinstallation. Use a Pitman arm puller to remove the **OE** pitman arm. The threads of the sector shaft and the Pitman arm retaining nut must be cleaned of all factory dry adhesive.

IMPORTANT!: THE ENTIRE IN-STALLATION PROCESS MUST BE DONE WITH HAND TOOLS TO ENSURE PROPER INSTALLATION. DO NOT USE IMPACT TOOLS.

- 21. Install new pitman arm on sector shaft.
 Oil the sector shaft threads to ensure a proper torque reading. Install Pitman arm retaining nut and tighten until snug.
- 22. Insert the key and unlock the steering wheel.
- 23. Install the Pitman arm torque tool (96-5779) to the Pitman arm using one of the previously removed OE track bar bolt and nut plate. See ILLUSTRATION 4.
- 24. Secure the torque tool **(96-5779)** to the existing hole in the track bar frame mounting pocket using one of the previously removed **OE** track bar bolt and nut plate. **See ILLUSTRATION 4.**

NOTE: The steering wheel may need to be turned in order for the hole in the torque tool and the frame crossmember to line up. Once the bolts are tightened the torque tool will align it's self properly.

NOTE: The use of the torque tool is to keep the Pitman arm from moving right or left, but allow for movement up the sector shaft. If you do not have this tool, a length of chain or a flat bar with two holes is a suitable replacement.



- 25. Torque the Pitman arm retaining nut to 225 ft./lbs.
- 26. With the torque tool **(96-5779)** still in place remove the pitman arm retaining

- nut. The threads of the sector shaft and the Pitman arm retaining nut <u>MUST</u> be cleaned using brake cleaner or another suitable method to remove the previously applied oil.
- 27. Use the entire supplied thread locking compound to thoroughly cover the entire surface of the threads on the Pitman arm retaining nut.
- 28. Reinstall the Pitman arm retaining nut to the sector shaft and torque to 225 ft./lbs.

NOTE: Whether re-using the existing pitman arm retaining nut or replacing with a new nut, thread locking compound must be used.

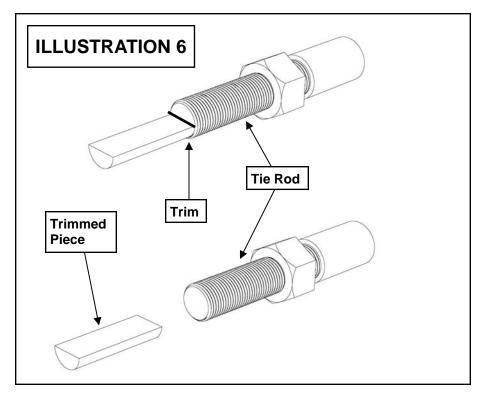
29. Unbolt and remove the Pitman arm torque tool **(96-5779)** from the vehicle.

NOTE: Save this Pitman arm torque tool to add to your toolbox for any future Pitman arm installations.

30.Install the factory spring isolator onto the supplied Pro Comp coil springs (56190 4" gas, 56180 4" diesel, 56210 6" gas, or 56200 6" diesel). Carefully compress and install the Pro Comp coil springs into the spring buckets. Raise the front axle into place and make sure the coil spring is indexed properly on the lower spring perch. See ILLUSTRATION 5.

IMPORTANT!: On driver's side only, rotate the spring and isolator 90 degrees from the original location. Upper spring tail will be closest to the inside of the bucket.

- 31.Install your new Pro Comp shocks (927591, 926553, MX6104 or MX6169). Install using the previously removed upper hardware and the lower shock bolt. Torque the lower bolt to 60 ft./lbs. See ILLUSTRATION 5.
- 32. Loosen the jam nuts on the tie rod adjustment collar and thread the tie rod out of the collar by spinning the collar until all three pieces are separated.

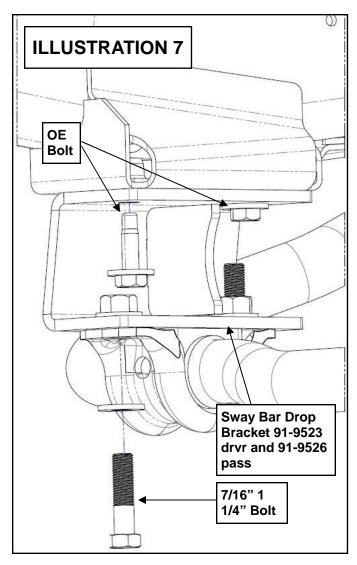


- 33. Using a cut off wheel, carefully remove the alignment dowel from both the drag link and tie rod. This will allow you to rotate the tie rod 180 degrees to attach it to the bottom of the new pitman arm. See **ILLUSTRATION 6.**
- 34. Reassemble the collar, pitman arm, and drag link.
- 35. Rotate the tie rod at the pitman arm **180** degrees and attach it to the bottom of the new pitman arm. Torque nut to 45 ft./lbs.
- 36. Install the sway bar drop brackets (91-9523 drvr and 91-9526 pass) to the original sway bar mounting holes in the frame using the previously removed OE bolts. Torque to 45 ft./lbs. See ILLUS-TRATION 7.

IMPORTANT: Be sure that the drop brackets are offset toward the front of the vehicle.

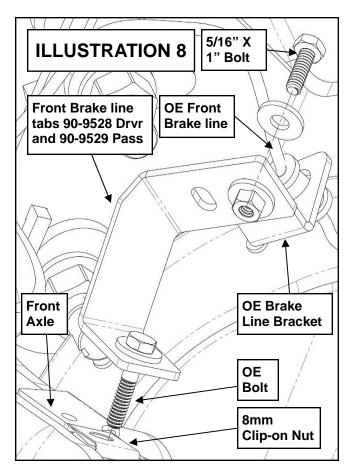
37. Raise the sway bar mount brackets to the drop bracket (91-9523 drvr and 91-9526 pass) and secure using the supplied 7/16" hardware from pack (90-6340). Torque the hardware according to the

- torque chart on page 15. **See ILLUS-TRATION 7.**
- 38. Repeat on the other side of the vehicle.
- 39.Install the hose clamps and screws from hardware pack **(90-6029** to the brake lines.
- 40.Bolt the front brake line tabs (90-9528 Drvr and 90-9529 Pass) to the original OE brake line bracket holes, on the front axle brackets, using the 8mm clip-on nuts and previously removed OE bolts. See ILLUSTRATION 8.
- 41. Secure the **OE** brake lines to the front brake line tabs (90-9528 Drvr and 90-9529 Pass) using the supplied 5/16" X 1" bolt and hardware. See ILLUSTRATION 8.
- 42.Install your wheels and tires and lower the vehicle to the ground. Tighten the lug nuts to 90 ft./lbs.
- 43. Torque the control arms to specifications chart in the rear of the instructions.
- 44. Open up the access hole, in the **OE** frame crossmember access hole, closest



to the driver side frame rail to 3/4" or larger.

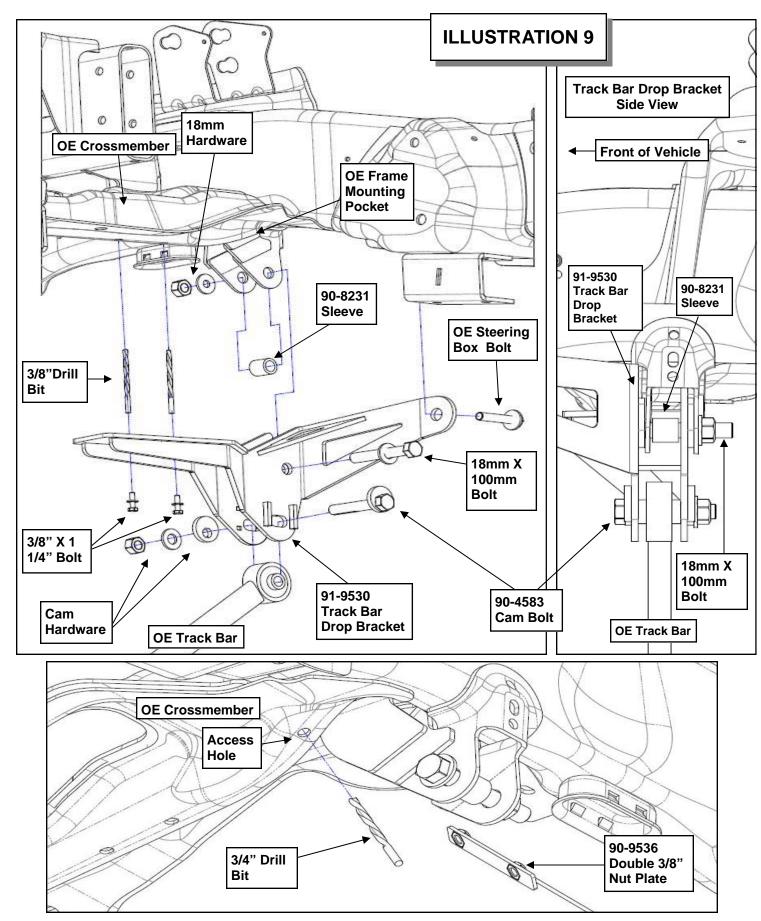
- 45. Remove the rear **OE** steering box bolt
- 46. Install the track bar drop bracket (91-9530) into place. Insert the track bracket spacer (90-8321) inside the frame mounting bracket and install the 18mm X 100mm bolt provided in the upper hole. See ILLUSTRATION 9.
- 47. Reinstall the previously removed **OE** steering box bolt. See **ILLUSTRATION** 9.
- 48. Using the **(2)** holes in the track bar drop bracket **(91-9530)** as a guide and drill through the track bar drop bracket to enlarge the **(2)** holes in the frame crossmember. See **ILLUSTRATION 9.**



- 49. Install the **3/8**" double nut plate **(91-9536)** through the previously drilled out access hole in the frame crossmember.
- 50. Secure the (2) remaining holes in the track bar drop bracket to the frame and 3/8" double nut plate (91-9536) using the (2) supplied 3/8" X 1 1/4" bolts and 3/8" hardware. See ILLUSTRATION 9.
- 51. Torque the track bar drop mounting hardware according to the chart on page 16.
 Torque the 18mm X 100mm bolt to 175 ft./lbs. See ILLUSTRATION 9.

NOTE: Be sure to use thread locker on these bolts.

52. Reinstall the **OE** track bar using the previously removed **OE** hardware at the axle end and the new adjustable cam bolt **(90-4583)** and cam hardware from hardware pack **(90-6956)** in the track bar drop bracket end **(91-9530)**. Be sure to install the cam with the head of the bolt facing the front of the vehicle. Do not torque the



cam bolt at this time. **See ILLUSTRA-TION 9.**

- from the outside edge of the tires to the edge of the wheel well on the fenders. Use the cam bolt **(90-4583)** to center the axle under the vehicle by rotating the cam until the measurement is equal on both sides. Torque the cam bolt to 150 ft./lbs. See **ILLUSTRATION 9.**
- 54. With the vehicle on the ground, re-attach sway bar to the sway bar end links using the previously removed **OE** hardware. Torque **OE** sway bar hardware according to manufacturers specifications and the **7/16**" hardware to 60 ft./lbs. See **ILLUS-TRATION 7**.
- 55.On both sides of the vehicle, check the routing of the brake lines and the ABS wire harnesses. There must be no pinching, rubbing, or stretching of any component. Use zip ties to secure these items out of the way of the steering components. At full droop, cycle the steering from lock to lock while observing the reaction of these components. Reposition them if needed.
- 56. Recheck for proper installation and torque, of all of the newly installed hardware and after any off road use.
- 57. Have your vehicle aligned as soon as possible.
- 58. Have your headlights adjusted.
- 59. After 100 miles recheck for proper torque on all newly installed hardware.

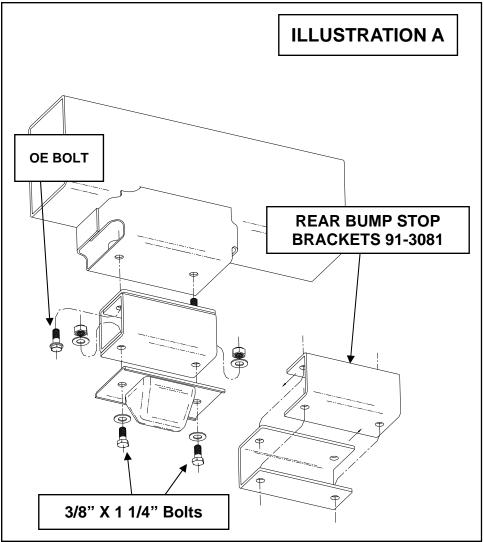
Rear Installation

- Block the front tires and raise the rear of the vehicle. Support the frame with jack stands forward of the rear springs.
- 2. Remove the wheels and tires.
- Remove the shocks on both sides of the vehicle. It may be necessary that you slightly raise the axle to unload the shocks for removal.
- 4. Remove the **OE** bump stop from the frame.
- Assemble the rear bump stop brackets (91-3081) together as shown in ILLUS-TRATION A. Then secure to the frame using the previously removed OE bolts.
- Using the 3/8" X 1 1/4" bolts and hardware from pack (90-6223) bolt the bump stop to the brackets. As shown in ILLUS-TRATION A.
- 7. Repeat the installation on the other side of the vehicle.
- 8. Loosen the **OE U-bolts** on the passenger side. Remove **OE** the **U-bolts** on the drive side.
- 9. Install the lift block (95-300D or 95-200D) on the axle pad and use your floor jack to raise the axle to the spring. Apply a slight amount of pressure with your floor jack against the spring pack and engage the centering pins into the locating holes at the top of the lift block.

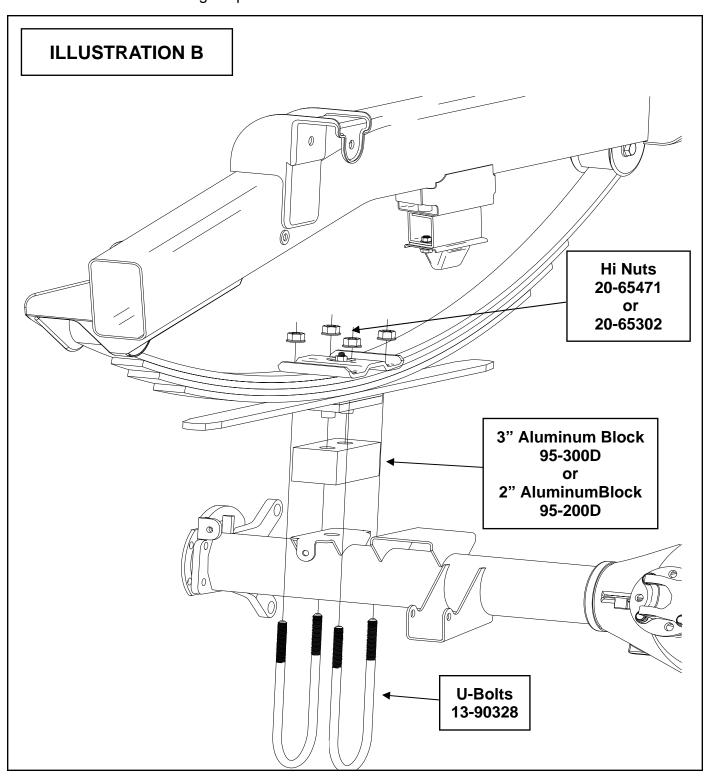
NOTE: The factory spring plates will need to be drilled out to ac-

cept the new larger U-bolts

- Install the provided U- bolts (13-90328) and new hi-nuts from hardware pack (20-65471). Do not tighten the U-bolts at this time. See ILLUSTRATION B.
 - NOTE: make sure the block sits flush on the axle perch.
- 11. Repeat the installation on the other side of the vehicle.
- 12. When the installation of the remaining side is complete, torque the **U-bolts** to 85 ft. lbs.
- 13. Install your new Pro Comp rear shocks (929505, 929543, MX6003 or MX6100)



- and torque hardware to 60 ft./lbs.
- 14. Reinstall the rear wheels and lower the vehicle to the ground. Torque the rear lug nuts to manufacturers specifications.
- 15. Recheck the wheel lug torque on all four
- wheels at this time.
- 16. Recheck all hardware for proper installation and torque at this time.



Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs.						
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
					P	
$\begin{array}{ c c c c c c }\hline 1/2\text{-}13x1.75 \text{ HHCS} & \textbf{Grade 5} & \textbf{Grade 8} \\\hline \hline D \hline T \hline L & \hline X & (No. of Marks + 2) & \hline D \hline T \hline L & \hline X \\\hline \end{array}$						
G = Grade (Bolt Strength)			P = Property Clas	ss (Bolt Strei	ngth)	
D = Nominal Diameter (Inches)			D = Nominal Diameter (Millimeters)			
T = Thread Count (Threads per Inch)			T = Thread Pitch (Thread Width, mm)			
L = Length (Inches)			L = Length (Milli	meters)		
X = Description (Hex Head Cap Screw) X = Description (Hex Head Cap Screw)						

MODIFICATION PAGE:

- <u>12.11.13</u>: Moved rear lift parts from BOM box 1 (56717 and 56719) to BOM box 4 (56717 and 56719).
- 4.28.14: Added Spring and isolator rotation note to step 30.
- **8.14.14:** Revised cover box to include BMX information and 2014 fitment. Revised rear U-bolt information and added note before step 10.
- 4.10.15: Changed Pitman arm retaining nut torque value to 225 ft./lbs.



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- * 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.