SUPERLIFT®
SUSPENSION

2015 - 2016 FORD F150 4.5” and 6” INSTALLATION INSTRUCTIONS

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THANK YOU FOR CHOOSING *SUPERLIFT* FOR ALL YOUR SUSPENSION NEEDS!!

INTRODUCTION
Installation requires a professional mechanic.

Prior to beginning, inspect the vehicles steering, driveline, and brake systems, paying close attention to the suspension link arms and bushings, sway bars and bushings, tie rod ends, pitman arm, ball joints and wheel bearings. Also check the steering sector-to-frame and all suspension-to-frame attaching points for stress cracks. The overall vehicle must be in excellent working condition; repair or replace all worn parts.

Read instructions several times before starting. Be sure you have all needed parts and know where they install. Read each step completely as you go.

NOTES:
- Prior to beginning the installation, check all parts and hardware in the box with the parts list below. If you find a packaging error, contact Superlift® directly. Do not contact the dealer where the system was originally purchased. You will need the control number from each box when calling; this number is located at the bottom of the part number label and to the right of the bar code.
- Front end alignment is necessary.
- A foot-pound torque reading is given in parenthesis ( ) after each appropriate fastener.
- Tool and Wrench/Socket size is given in brackets { } after each appropriate step.
- Prior to attaching components, be sure all mating surfaces are free of grit, grease, excessive undercoating, etc.
- A factory service manual should be on hand for reference.
- Vehicles equipped with a two piece rear driveshaft will need to order an additional kit box 9935 for the carrier bearing shims.
- Use the check-off box “□” found at each step to help you keep your place. Two “□□” denotes that one check-off box is for the driver side and one is for the passenger side. Unless otherwise noted, always start with the driver side.

9930 (4.5" F150 KIT) TIRE / WHEEL RECCOMENDATIONS

	Wheel				Maximum Recomended Tire Size				
	Diameter	**Width**	**Backspace**	Offset (mm)	**Diameter**	**Section Width**	*Printed Size*	Manufacturer	Series
OEM	**18**	**7.5**	**5.5**	44	*32.5*	*11.2*	*275/65R18*	*GOODYEAR*	*WRANGLER*
	18	**7.5**	**5.5**	44	**35.0**	**12.0**			
	18	**9**	**5.3**	19	**35.0**	**12.5**			
	18	**9**	**5.0**	13	**34.0**	**13.0**			
	18	**9**	**4.5**	0	**33.0**	**14.0**			
OEM	**20**	**8.5**	**6.0**	44	*31.9*	*11.2*	*275/55R20*	*MICHELIN*	*LTX*
	20	**8.5**	**6.0**	44	**35.0**	**11.3**			
	20	**9**	**5.5**	25	**35.0**	**12.3**			
	20	**9**	**5.0**	13	**34.0**	**13.3**			
	20	**9**	**4.5**	0	**33.0**	**14.3**			

Note: The printed size is just for reference. Final tire selection should be based on the diameter and section width of the tires as published by the tire manufacturer.

***Denotes wheel and tire combimation used during development.*

9930 (6" F150 KIT) TIRE / WHEEL RECCOMENDATIONS

	Wheel				Maximum Recomended Tire Size				
	Diameter	**Width**	**Backspace**	Offset (mm)	**Diameter**	**Section Width**	*Printed Size*	Manufacturer	Series
OEM	**18**	**7.5**	**5.5**	44	*32.5*	*11.2*	*275/65R18*	*GOODYEAR*	*WRANGLER*
	18	**7.5**	**5.5**	44	**36.0**	**12.0**			
	18	**9**	**5.3**	19	**36.0**	**13.0**			
	18	**9**	**5.0**	13	**36.0**	**13.5**			
	18	**9**	**4.5**	0	**36.0**	**14.5**			
OEM	**20**	**8.5**	**6.0**	44	*31.9*	*11.2*	*275/55R20*	*MICHELIN*	*LTX*
	20	**8.5**	**6.0**	44	**36.0**	**11.3**			
	20	**9**	**5.5**	25	**36.0**	**12.3**			
	20	**9**	**5.0**	13	**36.0**	**13.3**			
	20	**9**	**4.5**	0	**35.0**	**14.3**			
******	**20**	**9**	**4.5**	0	**35.5**	**12.5**	LT295/65R20	NITTO	TRAIL GRAPPLER
******	**20**	**10**	**4.3**	-19	**35.0**	**12.8**	35x12.50R20	NITTO	TRAIL GRAPPLER

Note: The printed size is just for reference. Final tire selection should be based on the diameter and section width of the tires as published by the tire manufacturer.

***Denotes wheel and tire combimation used during development.*

Misc. Tools	Wrench / Socket Sizes	
floor jack	**Standard**	**Metric**
jack stands	3/8"	8mm
flathead screwdriver	7/16"	10mm
hammer	1/2"	13mm
plastic fastener removal tool	9/16"	15mm
die grinder w/cut-off wheel	5/8"	18mm
torque wrench	3/4"	19mm
drill	13/16"	21mm
drill bits - 7/32", 9/32", & 11/32"	7/8"	27mm
		8mm allen
		5mm allen

Kit Part Number K102 **4.5" Lift Kit**

Part Number	Qty.	Part Description
9930	1	knuckle kit box
9931	1	crossmember kit box
9932	1	differential brackets and shock kit box
9934	1	strut spacer kit box

OR

Kit Part Number K103 **6" Lift Kit**

Part Number	Qty.	Part Description
9930	1	knuckle kit box
9931	1	crossmember kit box
9932	1	differential brackets and shock kit box
9933	1	strut spacer kit box

Kit Part Number K102B **4.5" Lift Kit**

Part Number	Qty.	Part Description
9930	1	knuckle kit box
9931	1	crossmember kit box
9932B	1	differential brackets and shock kit box
9934	1	strut spacer kit box

OR

Kit Part Number K103B **6" Lift Kit**

Part Number	Qty.	Part Description
9930	1	knuckle kit box
9931	1	crossmember kit box
9932B	1	differential brackets and shock kit box
9933	1	strut spacer kit box

Kit Part Number 9930

Part Number	Qty.	Part Description
66-01-9930	1	knuckle, driver
66-02-9930	1	knuckle, passenger

Kit Part Number 9931

Part Number	Qty.	Part Description
55-05-9930	1	crossmember, front
55-06-9930	1	crossmember, rear
55-07-9930	1	sway bar drop, driver
55-08-9930	1	sway bar drop, passenger
55-10-9930	1	belly pan
77-9931	1	hardware bag, cam bolts

Kit Part Number 9932

Part Number	Qty.	Part Description
01-85150	2	shock cylinder, Superide rear
55-03-9930	1	differential drop, driver
55-04-9930	1	differntial drop, passenger
55-12-9930	2	bump stop, rear
55-30-9930	2	block, rear
66-11-9910	1	driveshaft spacer, front
77-9930	1	hardware bag, SL parts
77-9932	1	hardware bag, nuts and bolts

Kit Part Number 9932B

Part Number	Qty.	Part Description
55-03-9930	1	differential drop, driver
55-04-9930	1	differntial drop, passenger
55-12-9930	2	bump stop, rear
55-30-9930	2	block, rear
66-11-9910	1	driveshaft spacer, front
77-9930	1	hardware bag, SL parts
77-9932	1	hardware bag, nuts and bolts
BE5-6249-H5	2	shock cylinder, Bilstein rear

Kit Part Number 9933 **6" Lift Kit**

Part Number	Qty.	Part Description
10352	4	9/16" x 3-5/16" x 11" ubolts
55-09-9930	2	strut spacers (6")
77-1509	1	ubolt nuts and washers

Kit Part Number 9934 **4.5" Lift Kit**

Part Number	Qty.	Part Description
10342	4	9/16" x 3-5/16" x 10" ubolts
55-11-9930	2	strut spacers (4.5")
77-1509	1	ubolt nuts and washers

Kit Part Number 77-9930

Part Number	Qty.	Part Description
01-60418	4	01-60418, hourglass bushing
21-3205	1	5/16" x 3-1/2" vacuum hose
23-3205	1	5/16" hose adapter
24-5704	4	24-5704, 0.75" OD x 0.50" ID x 1.54" L, sleeve
55-16-9910	1	brake line bracket, rear
55-18-9910	1	brake line bracket, front passenger
55-19-9910	1	brake line bracket, front driver

Kit Part Number 77-9931

Part Number	Qty.	Part Description
55-20-9930	4	cam bolt

Kit Part Number 77-9932

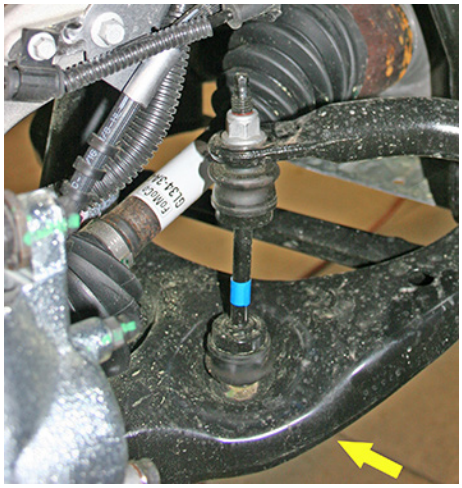
Part Number	Qty.	Part Description
10MFN	6	10mm flange nut
10MFW	2	10mm flat washer
10MX1.5X150CS	2	10mm x 1.5 x 150mm bolt
10MX1.5X90SHB	6	10mm x 1.5 x 90mm bolt, socket head
14X12STB	2	1/4" x 1/2" bolt, self-tapping
18MFW	8	18mm flat washer
18MLN	6	18mm stover nut
18MX2.5X150CS	2	18mm x 2.5 x 150mm bolt
38C5FN	4	3/8" flange nut
38X1C5CB	4	3/8" x 1" carriage bolt, coarse thread
516C5NN	2	5/16" nyloc nut
516C8SN	1	5/16" stover nut
516SW	3	5/16" sae washer
516X1C5CS	1	5/16" x 1" bolt, coarse thread
516X1STB	1	5/16" x 1" bolt, self tapping
516X34C5CS	2	5/16" x 3/4" bolt, coarse thread
716C8SN	4	7/16" stover nut
716SW	4	7/16" sae washer
716X1C5CS	4	7/16" x 1" bolt, coarse thread
916C8SN	3	9/16" stover nut
916SW	3	9/16" sae washer
916X334C5CS	3	9/16" x 3-3/4" bolt, coarse thread
F470L	2	F470L, thread locker

Step	Part Number	Qty. per Kit	Description	New Attaching Hardware	Qty. per Bracket	Hardware Bag Number
21	55-03-9930	1	differential drop, driver	9/16" x 3-3/4" bolt, coarse thread	1	77-9932
				9/16" sae washer	1	
				9/16" stover nut	1	
21	55-04-9930	1	differntial drop, passenger	9/16" x 3-3/4" bolt, coarse thread	1	77-9932
				9/16" sae washer	1	
				9/16" stover nut	1	
21	21-3205	1	5/16" x 3-1/2" vacuum hose			77-9930
21	23-3205	1	5/16" hose adapter			
22	55-07-9930	1	sway bar drop, driver	7/16" x 1" bolt, coarse thread	2	77-9932
				7/16" sae washer	2	
				7/16" stover nut	2	
22	55-08-9930	1	sway bar drop, passenger	7/16" x 1" bolt, coarse thread	2	77-9932
				7/16" sae washer	2	
				7/16" stover nut	2	
23	55-06-9930	1	crossmember, rear	9/16" x 3-3/4" bolt, coarse thread	1	77-9932
				9/16" sae washer	1	
				9/16" stover nut	1	
				18mm stover nut	4	
				18mm flat washer	6	
				18mm x 2.5 x 150mm, bolt	2	
				55-20-9930, cam bolt	2	77-9931
25	55-05-9930	1	crossmember, front	55-20-9930	2	77-9931
				18mm stover nut	2	77-9932
				18mm flat washer	2	
28	55-10-9930	1	belly pan	3/8" x 1" carriage bolt, coarse thread	4	77-9932
				3/8" flange nut	4	
29	66-11-9910	1	driveshaft spacer, front	10mm x 1.5 x 90mm bolt, socket head	6	77-9932
				F470L, thread locker	1	
31	55-09-9930	2	strut spacer (6")	10mm flange nut	3	77-9932
	OR					
31	55-11-9930	2	strut spacer (4.5")	10mm flange nut	3	
33	66-01-9930	1	knuckle, driver	F470L, thread locker	0.5	77-9932
33	66-02-9930	1	knuckle, passenger	F470L, thread locker	0.5	77-9932
41	55-19-9910	1	brake line bracket, front driver	5/16" x 3/4" bolt, coarse thread	1	77-9932
				5/16" nyloc nut	1	
				5/16" sae washer	1	
				1/4" x 1/2" bolt, self-tapping	1	
41	55-18-9910	1	brake line bracket, front passenger	5/16" x 3/4" bolt, coarse thread	1	77-9932
				5/16" nyloc nut	1	
				5/16" sae washer	1	
				1/4" x 1/2" bolt, self-tapping	1	
54	55-30-9930	2	block, rear (6")	9/16" x 3-5/16" x 11" ubolt, square	4	
				9/16" high nut, fine thread	8	77-1509
				9/16" ubolt washer	8	
	OR					
54	55-30-9930	2	block, rear (4.5")	9/16" x 3-5/16" x 10" ubolt, square	4	
				9/16" high nut, fine thread	8	77-1509
				9/16" ubolt washer	8	
55	55-16-9910	1	brake line bracket, rear	5/16" x 1" bolt, coarse thread	1	77-9932
				5/16" stover nut	1	
				5/16" sae washer	1	
				5/16" x 1" bolt, self tapping	1	
58	01-85150	2	shock cylinder, Superide rear	01-60418, hourglass bushing	2	77-9930
				24-5704, 0.75" OD x 0.50" ID x 1.54" L, sleeve	2	
	OR					
58	BE5-6249-H5	2	shock cylinder, Bilstein rear	01-60418, hourglass bushing	2	
				24-5704, 0.75" OD x 0.50" ID x 1.54" L, sleeve	2	
59	55-12-9930	2	bump stop, rear	10mm x 1.5 x 150mm, socket bolt	1	77-9932
				10mm flat washer	1	

FRONT DISASSEMBLY

NOTE: Save all factory components and hardware for reuse, unless noted.

Illustration 1



1) PREPARE VEHICLE...

☐☐ Chock rear tires and place transmission in neutral. Raise front of vehicle with a jack and secure a jack stand beneath each frame rail. Ease the frame down onto the stands and place transmission in park. Remove front tires. {Lug Nuts 21mm}

2) SWAY BAR LINKS…

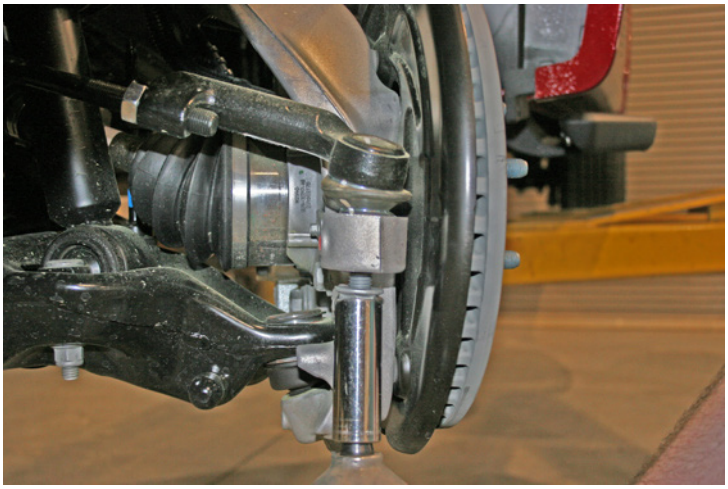
☐☐ [Illustration 1] Disconnect the lower end of the sway bar links from the lower control arm. {18mm}

Perform steps 3 through 14 one side at a time.

3) STEERING TIE ROD END...

☐☐ [Illustration 2] Remove the nut from the tie rod end and using the appropriate puller tool remove tie rod from knuckle. If you do not have a puller tool you can use a hammer by very carefully striking the tie rod boss of the knuckle; do not strike the tie rod end. {21mm}

Illustration 2



4) BRAKE LINE BRACKET AND ABS SENOR WIRE...

☐☐ [Illustration 3] Unclip the vacuum lines from the brake line bracket. {plastic fastener removal tool}

☐☐ [Illustration 4] Locate the brake line bracket on the steering knuckle and remove. {10mm}

☐☐ [Illustration 4] Remove the ABS sensor wire from the steering knuckle. {8mm}

Illustration 3

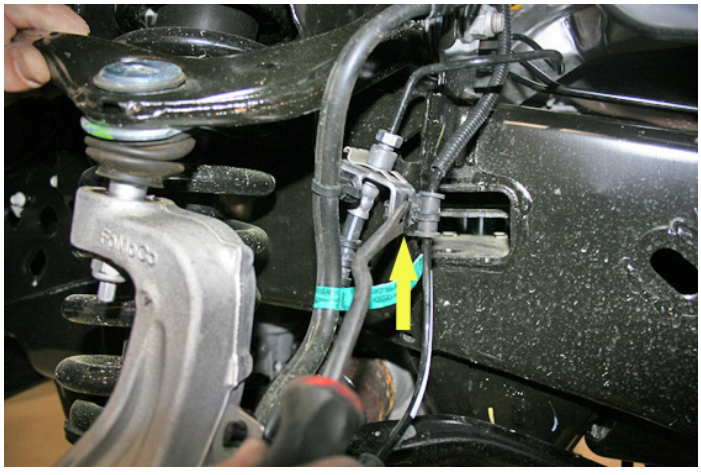
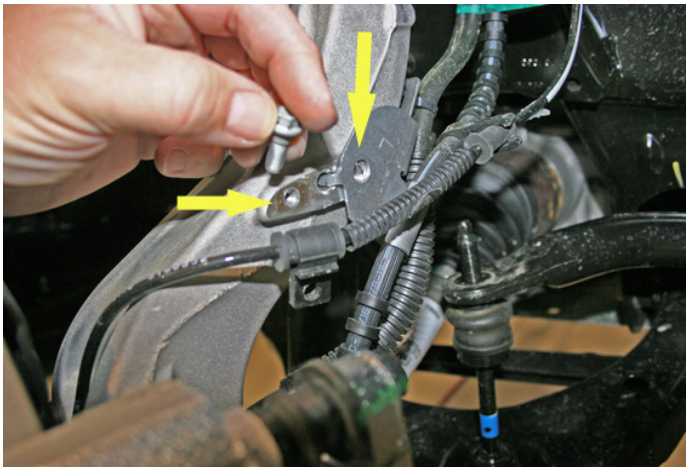


Illustration 4



5) BRAKE CALIPER...

☐☐ [Illustration 5] Unbolt the brake caliper and remove from the rotor and secure it away from the work area. NOTE: Do not let calipers hang from brake lines. {21mm}

☐☐ Remove the front rotor from the hub.

Illustration 5

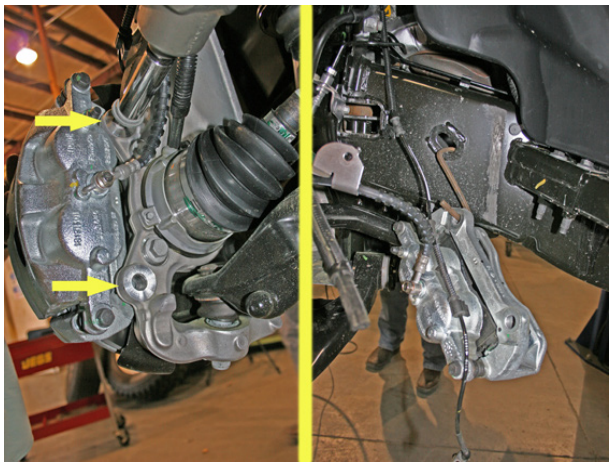
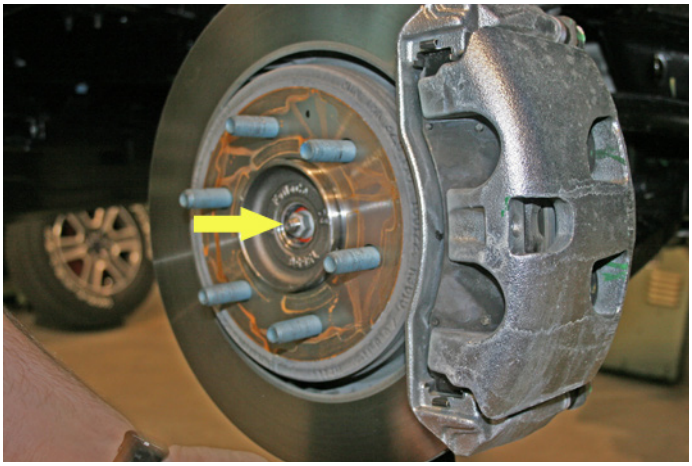


Illustration 6



6) CV SHAFT NUT...

☐☐ [Illustration 6] Remove the CV shaft dust cap from the outside of the hub assembly. Remove the retaining nut from the CV shaft. {flathead screwdriver, hammer, 15mm}

7) DUST SHIELD...

☐☐ [Illustration 7] Remove the three bolts holding the dust shield on the knuckle. {8mm}

8) ABS SENSOR AND VACUUM LINES...

☐☐ [Illustrations 8 & 9] Remove the ABS sensors from the top of the hub assembly, and vacuum lines from the vacuum module. {5mm allen, plastic fastener removal tool}

Illustration 7

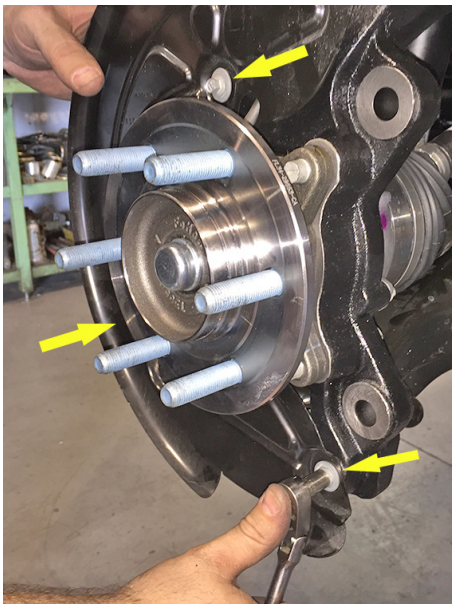


Illustration 8

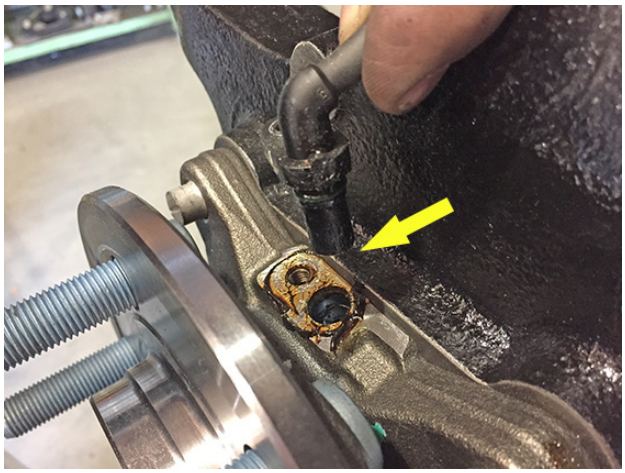
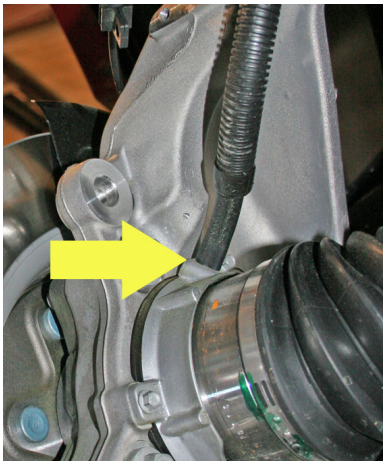


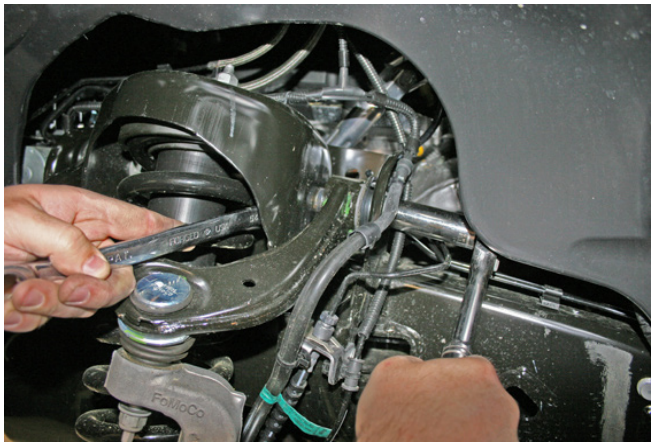
Illustration 9



9) UPPER CONTROL ARM...

□□ [Illustration 10] Loosen, but do not remove, the four upper control arm bolts (2 per side). {bolt 18mm, nut 21mm}

Illustration 10



10) KNUCKLE...

□□ [Illustrations 11 & 12] Remove the nuts from the upper and lower ball joints then using the appropriate puller tool, disconnect the ball joints from the knuckle. If you do not have a puller tool you can use a hammer by very carefully striking the ball joint boss' of the knuckle; do not strike the ball joints. Remove knuckle from vehicle. {upper ball joint 18mm, lower ball joint 21mm}

Illustration 11

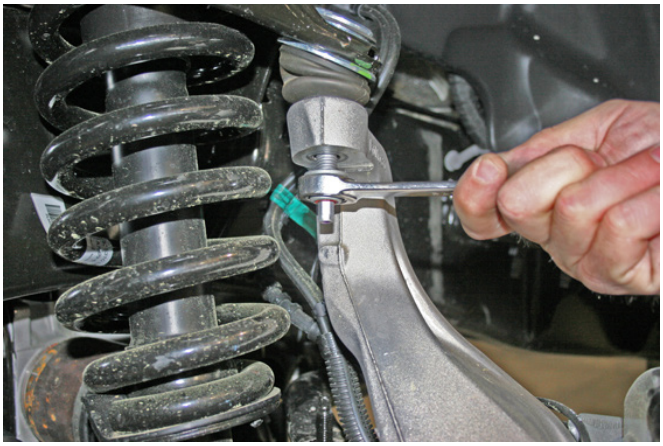


Illustration 12

11) BRAKE LINE BRACKET...

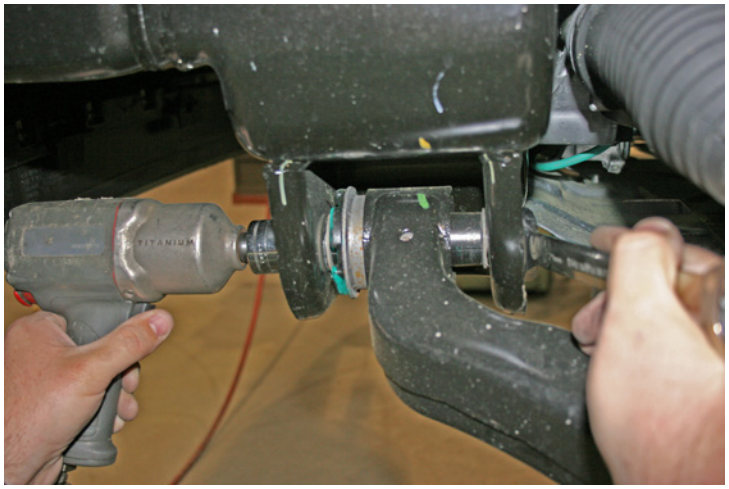
□□ [Illustration 13] Locate the brake line bracket on the side of the upper control arm mount and remove. {10mm}

12) LOWER CONTROL ARM…

□□ [Illustration 14] Loosen but do not remove the four lower control arm bolts (2 per side). {bolt 21mm, nut 27mm}

Illustration 13

Illustration 14



13) STRUT…

☐☐ [Illustration 15] Remove the two nuts from the lower strut studs and let the lower control arm swing out of the way. {18mm}

☐☐ [Illustration 16 & 17] Remove the three nuts from the top of the strut and remove the strut from the vehicle. {18mm}

14) LOWER CONTROL ARM...

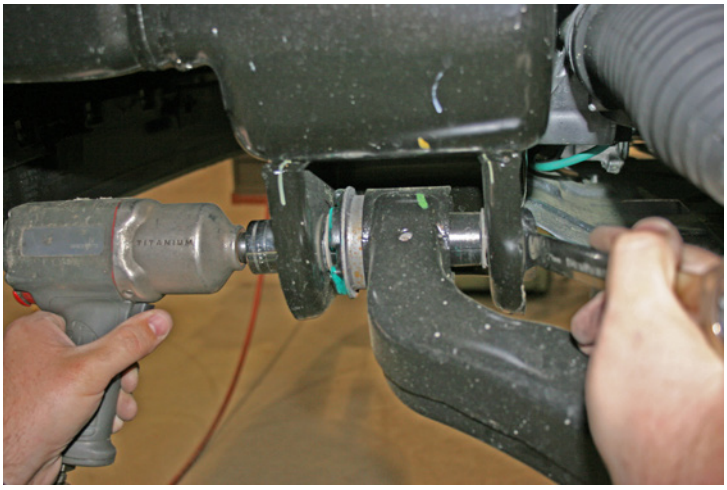
☐☐ [Illustration 18] Remove the lower control arm's bolts then remove the lower control arm.

Illustration 15

Illustration 16

Illustration 17

Illustration 18



Repeat steps 3 through 14 on the remaining side.

15) FRONT DIFFERENTIAL SKID PLATE...

□ [Illustration 19] If equipped, remove the factory front differential skid plate and discard. {13mm}

16) DRIVESHAFT...

□ [Illustration 20] Mark the orientation of the front driveshaft, then disconnect from the differential; secure the driveshaft up and out of the way, do not let it hang. Discard the bolts and washer plates. {10mm}

Illustration 19

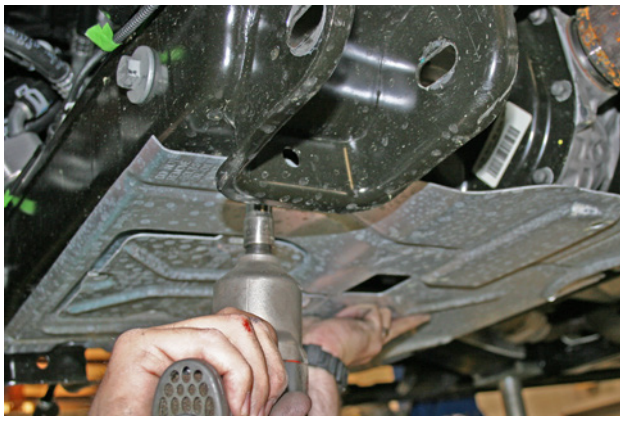
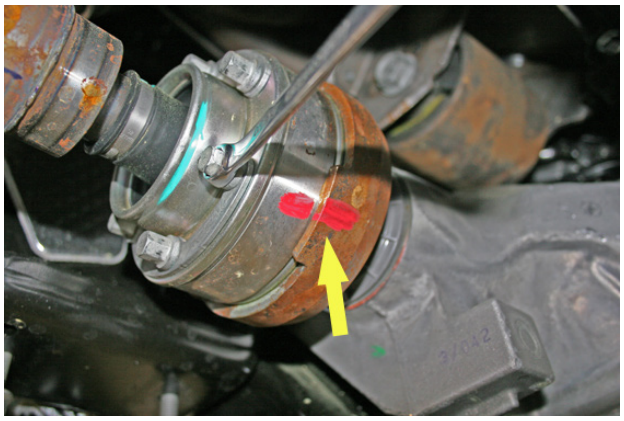


Illustration 20



17) SWAY BAR BODY...

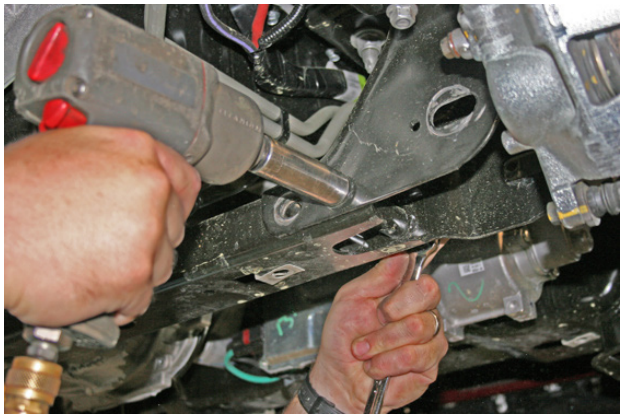
□ [Illustration 22] Remove four nuts retaining the sway bar body, then remove the sway bar from the vehicle. {15mm} Remove the stud plates from each side and retain for later use.

18) REAR CROSSMEMBER…

□□ [Illustration 23] Remove the four bolts securing the rear crossmember and remove the rear crossmember. {bolt 15mm, nut 18mm}

Illustration 22

Illustration 23



19) DIFFERENTIAL REMOVAL…

□ Disconnect vacuum line from differential located on the top of the center section towards the middle of the vehicle.

□□ [Illustrations 24, 25, and 26] Support the differential with a jack and remove the rear driver's side differential bolt, then remove the two front bolts. {driver's side rear bolt 21mm, driver's side front bolt 18mm, passenger's side bolt 18mm}

□ Carefully remove differential assembly.

Illustration 24

Illustration 25

Illustration 26

20) TRIMMING LOWER CONTROL ARM MOUNT…

□ [Illustrations 27 thru 32] The factory driver's side rear lower control arm mount must be trimmed as shown. Start on the rear side and measure from inside of the bracket out 5-1/2" and mark. Using a square mark a line up and over the bracket maintaining the 5-1/2" distance from the inside edge. Cut the bracket along the marked lines using a cut-off wheel or Sawz-All.

□□ After cutting, clean and paint all exposed areas.

Illustration 27

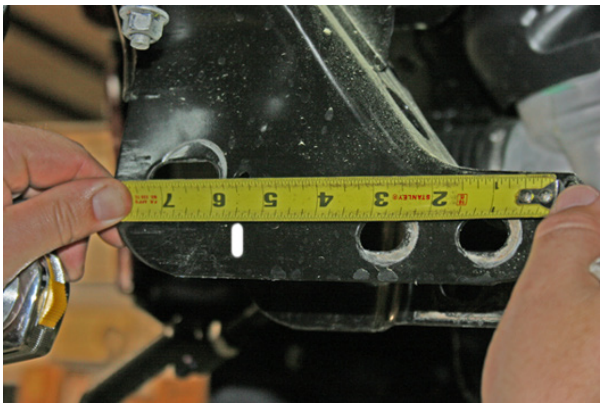


Illustration 28

Illustration 29

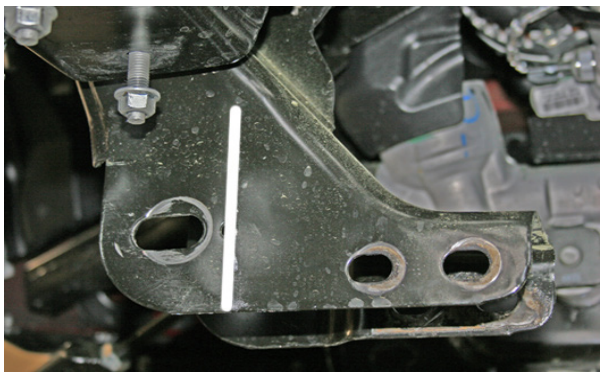


Illustration 30

Illustration 31

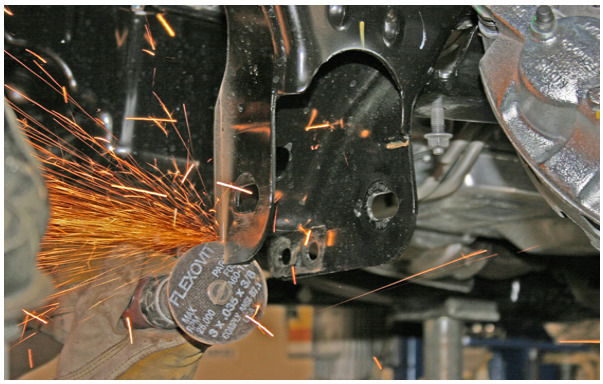
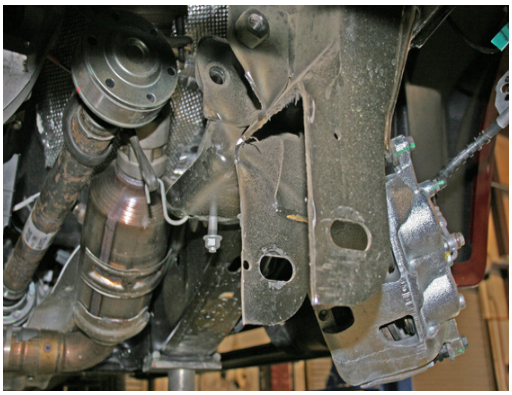


Illustration 32



FRONT ASSEMBLY

21) DIFFERENTIAL INSTALLATION…

□ [Illustration 33] Loosely attach the driver side front differential drop bracket (55-03-9930) to the differential using the supplied 9/16" x 3-3/4" hardware; install bolt from front. Do not tighten. **NOTE:** The offset will face the front of the vehicle. The 55-03-9930 bracket does not have notches in the top.

□ [Illustration 34] Loosely attach the passenger side differential drop bracket (55-04-9930) to the frame using the factory hardware; install bolt from front. Do not tighten. **NOTE:** The offset will face the front of the vehicle. The 55-04-9930 bracket has notches in the top.

Illustration 33

Illustration 34

□□ [Illustrations 35 & 36] Position the front driver differential bracket into the frame using the factory hardware; install bolt from front, then pivot the differential into the passenger side differential bracket and secure using the supplied 9/16" x 3-3/4" bolts, washer, and nut; install bolt from rear. Do not tighten.

Illustration 35

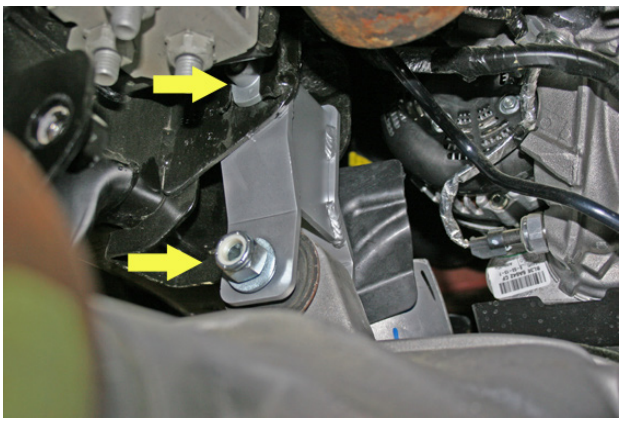
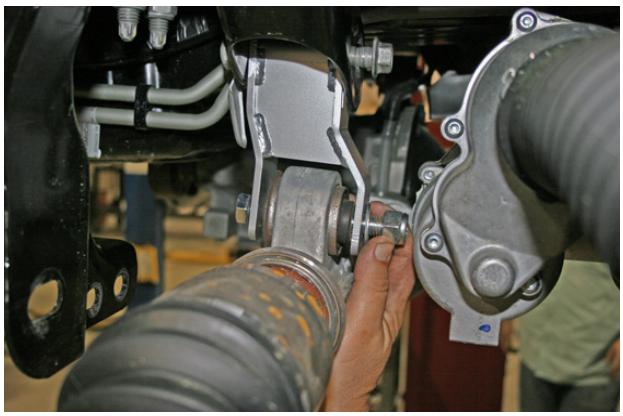


Illustration 36



□ [Illustration 37] Attach the hose adapter to the new vacuum hose, then attach the hose adapter to the factory hose. Connect the new hose to the differential.

22) SWAY BAR BRACKETS...

□□ [Illustration 38] Position the sway bar brackets (55-07-9930 driver; 55-08-9930 passenger) on the frame using the supplied 7/16" x 1" bolts, washers, and nuts. Do not tighten.

Illustration 37

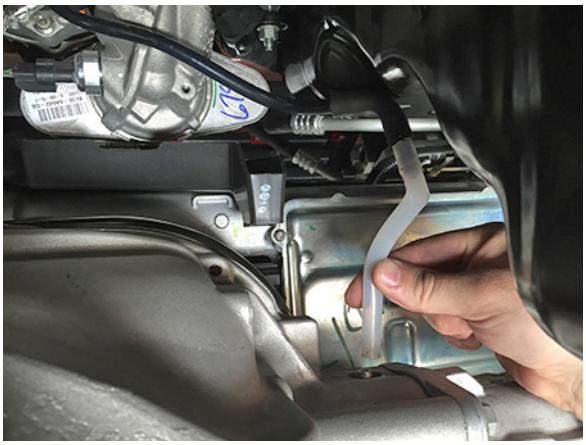
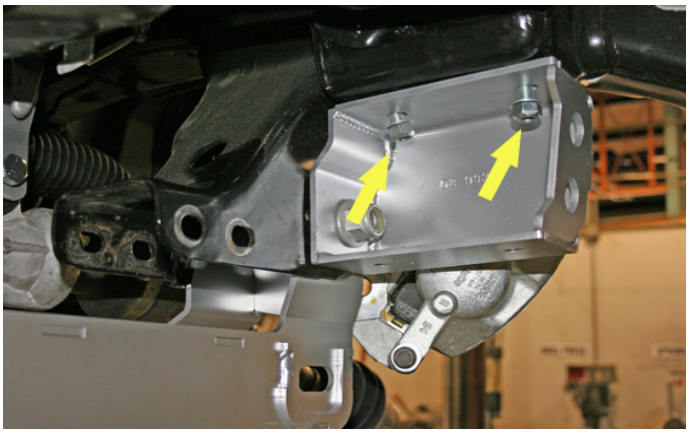


Illustration 38



23) REAR CROSSMEMBER...

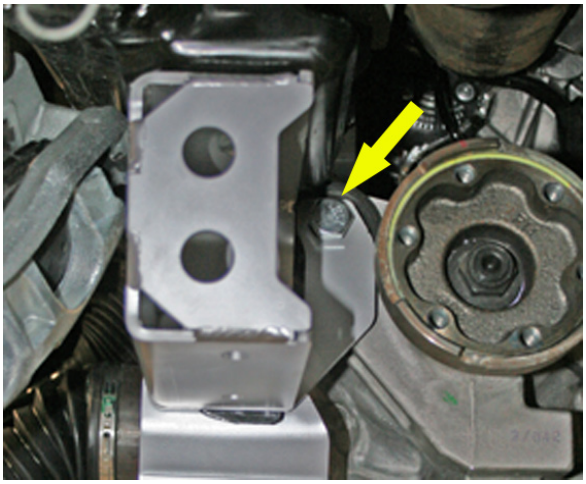
□□ [Illustration 39] Raise the rear crossmember (55-06-9930) into position. Secure it to the frame using the supplied 18mm x 150mm bolts, washers, and nuts; install bolts from rear.

24) DIFFERENTIAL REAR MOUNT...

□ [Illustration 40] Install the supplied 9/16" x 3-3/4" bolt, washer, and nut from the rear, through the sway bar bracket, differential rear mount and the rear crossmember. Do not tighten.

Illustration 39

Illustration 40



25) FRONT CROSSMEMBER…

□□ [Illustration 41] Position the front crossmember (55-05-9930) into the frame using the factory hardware; install bolts from front. Do not tighten.

26) LOWER CONTROL ARMS…

□□ [Illustration 42] Install the lower control arms into the new crossmembers with the supplied align-

ment cam bolts and nuts. Make sure the cam washers fit between the control tabs on the crossmembers. The cam washer should be in the up or neutral position. Snug but do not tighten. {27mm}

Illustration 41

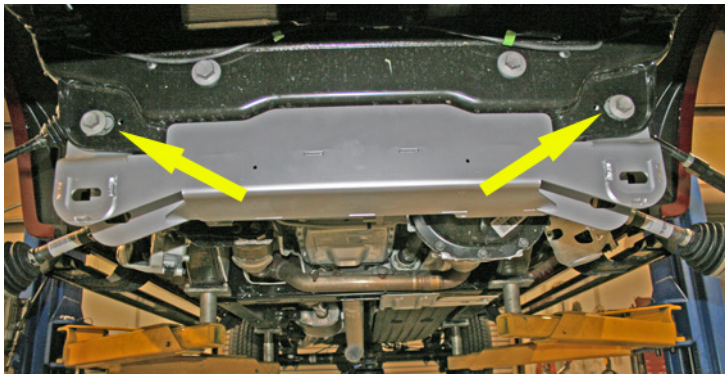


Illustration 42

27) TIGHTEN THESE FASTENERS…

Tighten these bolts in this order. Refer back to the illustrations listed if needed.

☐☐ [Illustration 38] Snug sway bar drop brackets to frame; do not tighten. {bolt 5/8”, nut 11/16”}

☐☐ [Illustration 39] Rear crossmember mounting bolts to frame. (280) {27mm}

☐ [Illustration 40] Differential rear mounting bolt to rear crossmember. (105) {bolt 13/16”, nut 7/8”}

☐☐ [Illustration 34 & 35] Front differential brackets to frame. (130) {18mm}

☐☐ [Illustration 35 & 36] Front differential brackets to differential. (105) {bolt 13/16”, nut 7/8”}

☐☐ [Illustration 38] Sway bar brackets to frame. (50) {bolt 5/8”, nut 11/16”}

☐☐ [Illustration 41] Front crossmember to frame (280) {bolt 21mm, nut 27mm}

28) BELLY PAN…

☐ [Illustration 43] Install the belly pan (55-10-9930) to the front and rear crossmembers using the supplied 3/8” x 1” bolts and nuts. Tighten (23) {9/16”}

Illustration 43

29) FRONT DRIVESHAFT…

☐ [Illustration 44] Install the front driveshaft spacer (66-11-9910). Apply thread locker to the supplied 10mm x 90mm socket head bolts and install making sure that the orientation marks that were made previously are aligned. Tighten (63) {8mm allen}

30) SWAY BAR…

☐☐ [Illustration 45] Attach the sway bar body to the new drop brackets using the factory hardware. Tighten (55) {15mm}

Perform steps 31 through 42 one side at a time.

Illustration 44

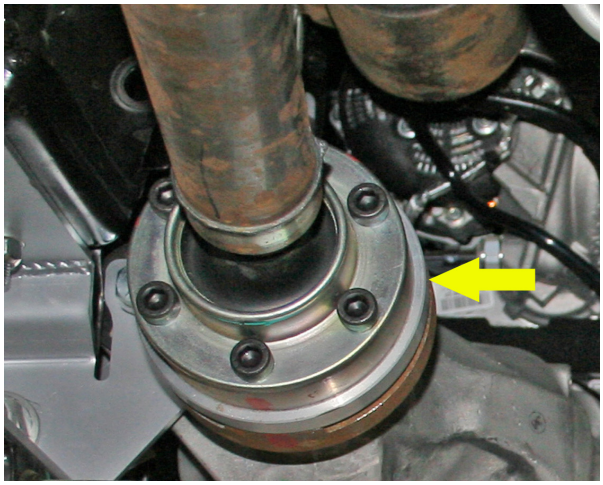
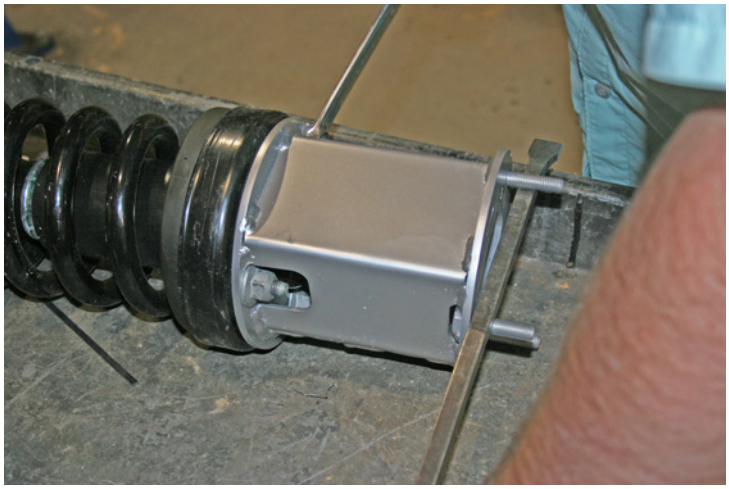


Illustration 45

Illustration 46



31) STRUT SPACERS…

☐☐ [Illustration 46] Position the strut spacers (4.5” lift = 55-11-9930 or 6” lift = 55-09-9930) to the top of the factory strut and fasten using the factory hardware. Tighten (55) {18mm}

32) STRUTS...

☐☐ [Illustration 47] Install the strut assembly into the strut mount and attach using the supplied 10mm flange nut, start nut but do not tighten.

☐☐ [Illustration 48] Re-attach the lower strut mount to the lower control arm using the factory hardware and tighten. (80) {18mm}

☐☐ [Illustration 49] Tighten the three top strut spacer 10mm flange nuts. (55) {15mm}

Illustration 47

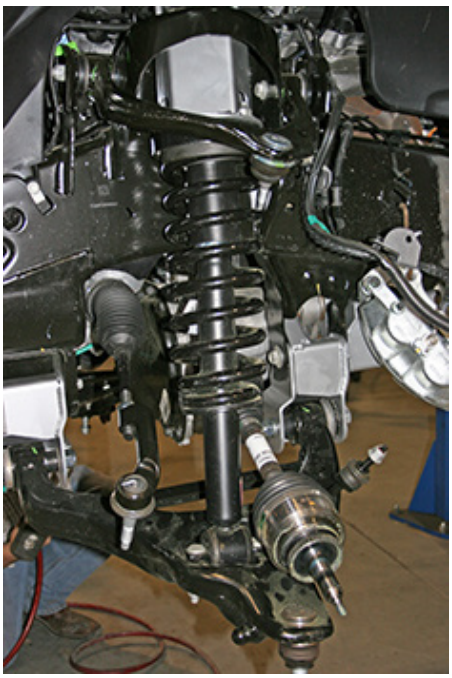
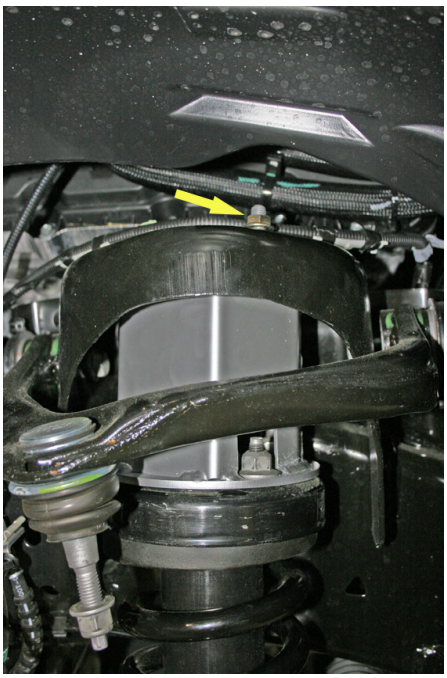


Illustration 48

Illustration 49



33) HUB ASSEMBLY AND VACUUM MODULE...

□□ [Illustration 50 & 51] On the factory knuckle, note the orientation of the vacuum module, and hub assembly, then remove them from the factory knuckle.

Illustration 50

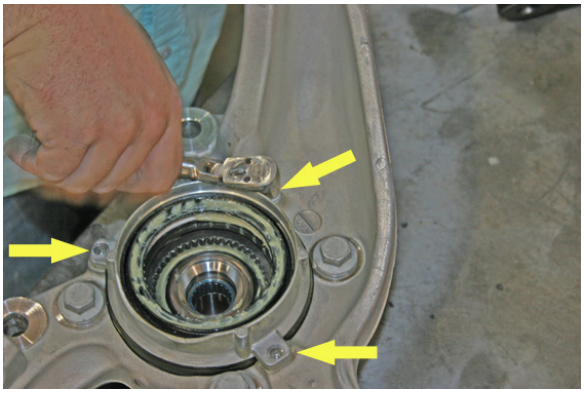
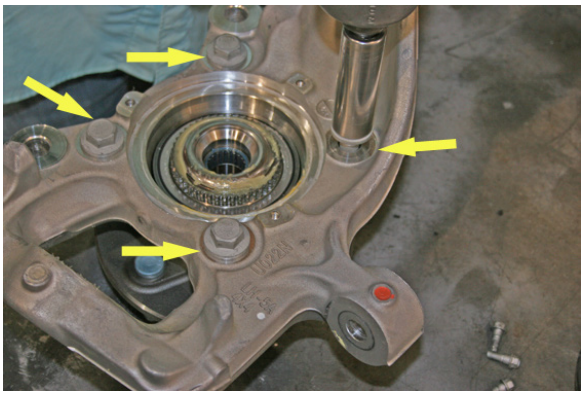


Illustration 51



□□ [Illustration 52] Install the new knuckle (66-01-9930 driver's side and 66-02-9930 passenger's side) onto the hub bearing assembly. Apply thread locker to the factory hardware and install bolts; tighten. (151) {18mm}

□□ [Illustration 53] Position the vacuum assembly on the knuckle and secure using the factory hardware; tighten. (10) {8mm}

Illustration 52

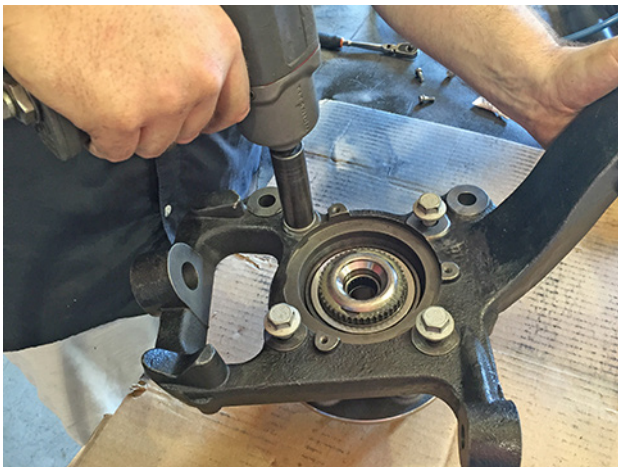


Illustration 53

34) LOWER BALL JOINT...

□□ [Illustration 54] Position the new knuckles on the lower control arm ball joint while sliding the CV shaft into the new knuckle. Install the factory nut onto the lower control arm ball joint. Tighten lower ball joint nut. (111) {21mm}

Illustration 54

35) CV SHAFT...

□□ [Illustration 55 & 56] Pay close attention to the CV shaft engagement and make sure it is fully seated in the hub assembly, install the factory nut and tighten. (20) {15mm} Install dust cap.

Illustration 55

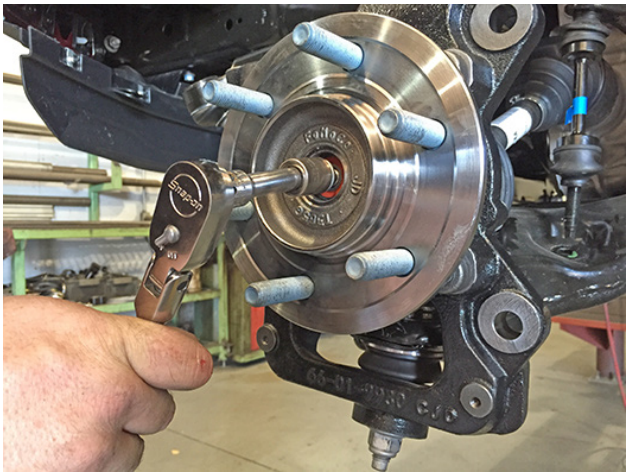
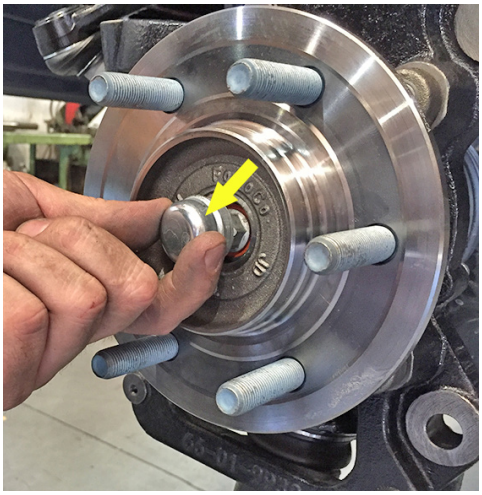


Illustration 56



36) UPPER BALL JOINT...

□□ [Illustration 57] Attach the upper ball joint to the knuckle and tighten. (103) {18mm}

37) ABS SENSOR AND VACUUM LINES...

□□ [Illustration 58] Connect the ABS sensor to the hub assembly and tighten. (1) {5mm allen}

□□ [Illustration 59] Connect the vacuum lines to the vacuum module.

Illustration 57

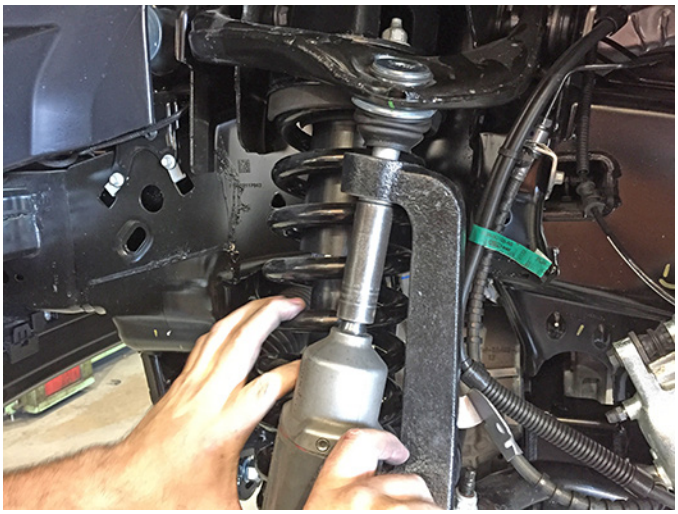
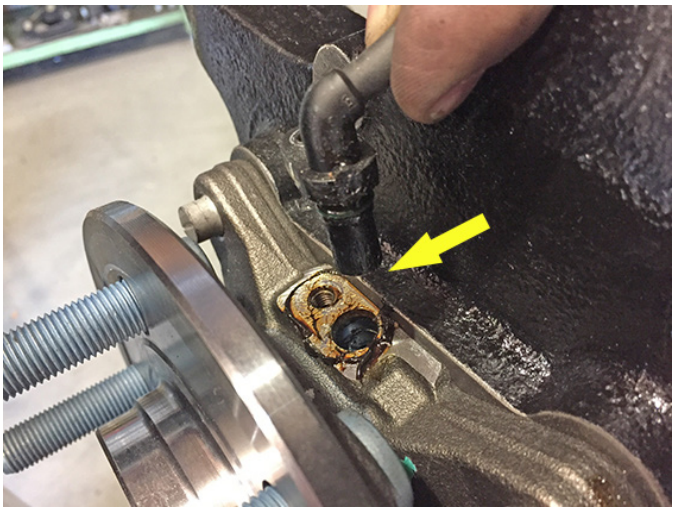


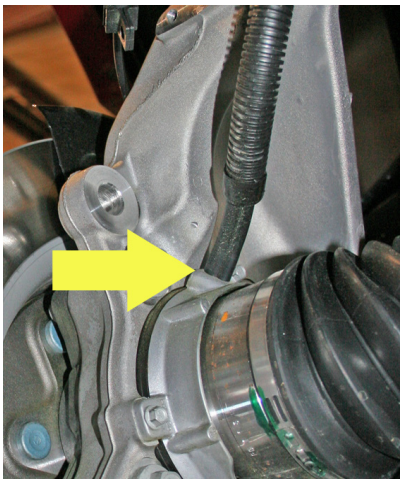
Illustration 58



38) DUST SHIELD, ...

□□ [Illustration 60] Install the dust shield and secure using the factory hardware; tighten. (7.5) {8mm}

Illustration 59



39) BRAKE CALIPERS...

□□ Install the rotor; installing a factory lug nut will help hold the rotor in position to install the caliper.

□□ [Illustration 61] Apply thread locker to the factory bolts then position the caliper over the rotor and install the factory hardware and tighten. (159) {21mm}

Illustration 60

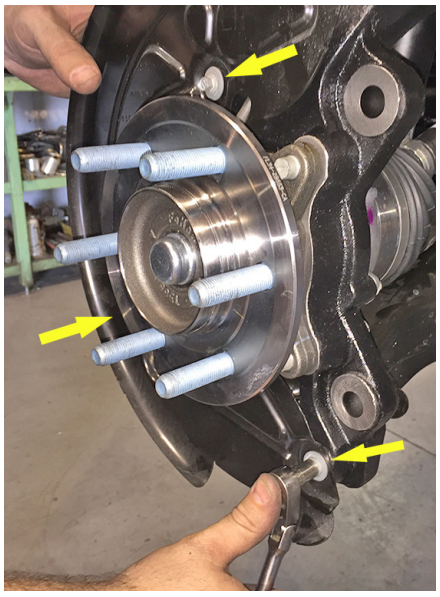


Illustration 61

Illustration 62

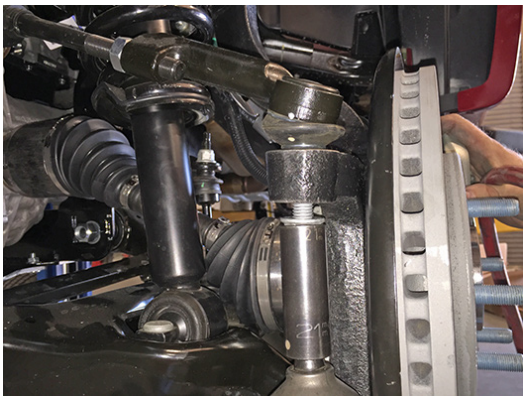


Illustration 63

40) STEERING TIE ROD END...

☐☐ [Illustration 62] Attach the tie rod end to the knuckle; tighten. (136) {21mm}

41) BRAKE LINE BRACKETS…

☐☐ [Illustration 63] Install the new brake line brackets (55-19-9910 driver's side and 55-18-9910 passenger's side) on the frame using the factory hardware. (18) {10mm}

☐☐ [Illustration 63 & 64] Use the bracket as a template to drill a 7/32" hole and install the 1/4" x 1/2" self-tapping bolt. (6.3) {3/8"}

☐☐ [Illustration 65] Carefully bend the brake lines to re-attach the factory brake line bracket to the new one using the supplied 5/16" x 3/4" bolt, washer, and nut. (13) {1/2"} Do not kink the lines.

☐☐ [Illustration 66] Connect brake line bracket to the steering knuckle using the factory hardware. (18) {10mm}

Illustration 64

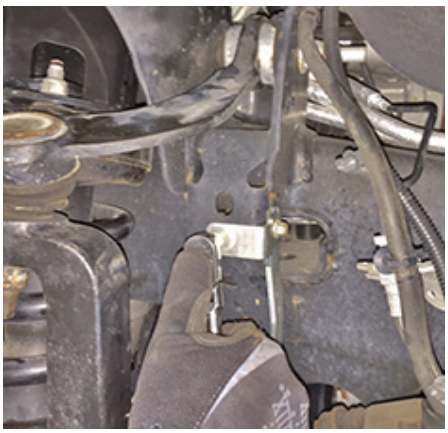


Illustration 65

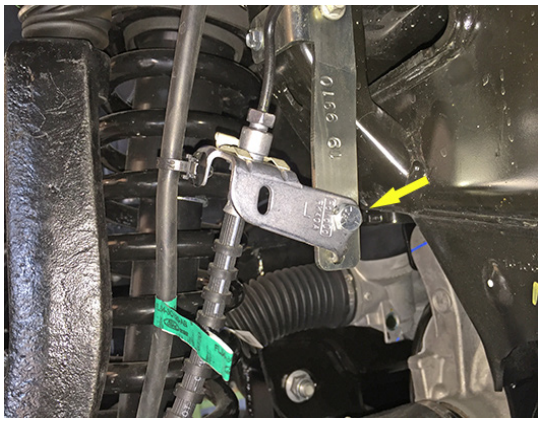
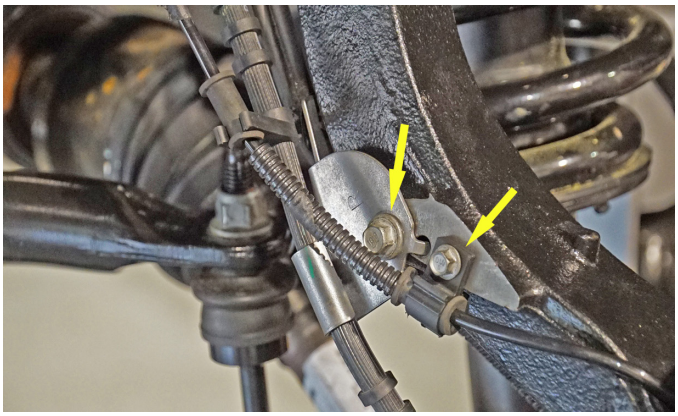


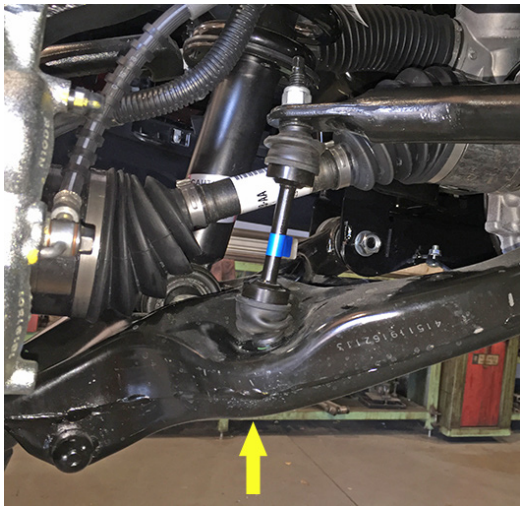
Illustration 66



42) ABS SENSOR WIRE...

□□ [Illustration 66] Connect the ABS sensor wire to the knuckle using the factory hardware. (9) {8mm} Make sure the wire is positioned below the bolt.

Illustration 67



Perform step 31 through 42 on the remaining side.

43) SWAY BAR LINKS...

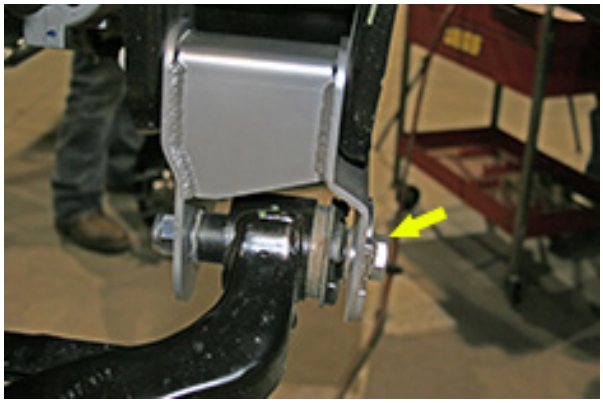
□□ [Illustration 67] Connect the sway bar links to the lower control arm; tighten. (63) {15mm}

44) TIRES / WHEELS...

□□ Install tires and wheels. Tighten the lug nuts in the sequence shown on "Lug Nut Torque Sequence". (151) {21mm}

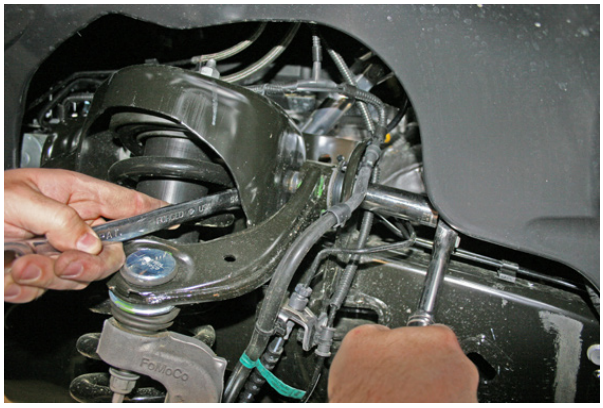
WARNING: When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel-mounting surface, or anything that contacts the wheel-mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion. WARNING: Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.

Illustration 68



□ Lower vehicle to the floor. The suspension is now supporting vehicle weight.

Illustration 69



45) LOWER CONTROL ARM...

□□ [Illustration 68] Tighten the four lower control arm bolts (2 per side); keep the alignment cams in the up (neutral) position until the alignment is performed. (240) {27mm}

46) UPPER CONTROL ARM...

□□ [Illustration 69] Tighten the four upper control arm bolts (2 per side). (151) {bolt 18mm, nut 21mm}

47) CLEARANCE CHECK...

□□ With the vehicle on the ground, cycle the steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and knuckles, brake hoses, wiring, etc.

□□ Raise the vehicle back onto jack stands and secure as per step 1. With the suspension "hanging" at full extension travel, cycle the steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and knuckles, brake hoses, wiring, etc. Lower the vehicle to the floor.

REAR DISASSEMBLY

48) RAISE REAR OF VEHICLE…

☐☐ Chock the front tires. Position a jack beneath the center of the rear axle then raise rear of vehicle. Secure jack stands beneath the frame rails just forward of the rear springs. Remove rear tires.

49) SHOCK ABSORBERS...

☐☐ [Illustration 70 &71] Remove shock absorbers. {bolt 15mm, nut 18mm}

Illustration 70

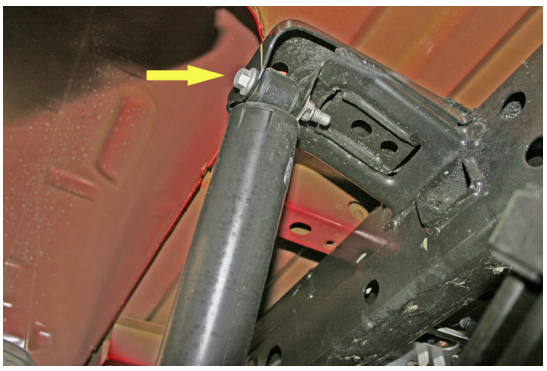


Illustration 71

50) BRAKE LINE BRACKET...

☐ Unbolt the factory brake line bracket from the frame. {10mm}

51) AXLE VENT HOSE...

☐☐ Un-clip the axle vent hose from the bottom of the truck bed.

52) BUMP STOP...

☐☐ [Illustration 72] Remove the rear bump stops from the frame. {13mm}

53) UBOLTS AND BLOCKS…

☐☐ [Illustration 73] Using a floor jack support the rear axle and remove the u-bolts and discard. {21mm}

☐☐ Lower the axle and if installing the 4.5” lift remove the factory block; leave the factory block in place if installing the 6” lift.

Illustration 72

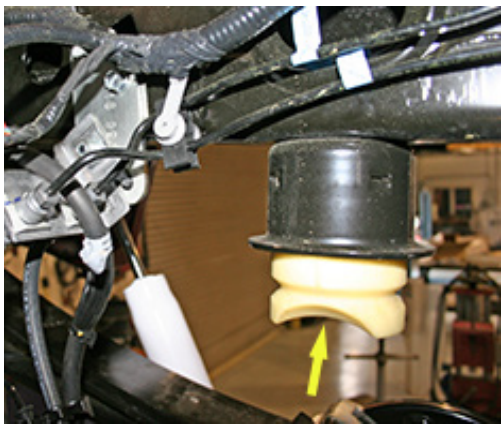
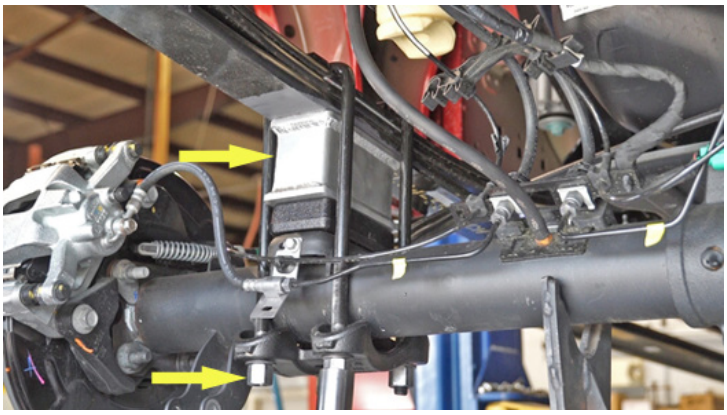


Illustration 73

REAR ASSEMBLY

54) LIFT BLOCKS AND UBOLTS...

Illustration 74

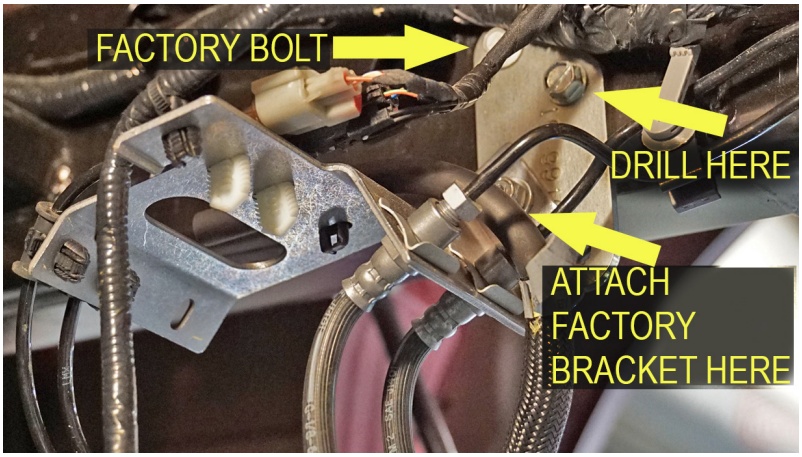


□□ [Illustration 74] Install the new lift blocks (55-30-9930). The pins should be offset to the front of the vehicle; there is an indicator notch in the block that should face the front of the vehicle. Make sure the locating pins are seated correctly. Jack the axle back into position while making sure that the axle pins are seated correctly into the block.

□□ [Illustration 74] Install the new ubolts (4.5" lift = 10342 or 6" lift = 10352) using the supplied 9/16" washers and nuts; tighten using the "X" pattern. (91) {7/8"}

55) BRAKE LINE BRACKET…

Illustration 75



□□ [Illustration 75] Install the new brake line extension bracket (55-16-9910) to the frame using the factory hardware. (26) {10mm}

□□ [Illustration 75] Use the bracket as a template to drill a 9/32" hole and install the 5/16" x 1" self-tapping bolt. (13) {1/2"} Make sure the new hole is below and forward of the factory hole in the frame.

□ [Illustration 75] Carefully bend brake lines to attach the factory brake line bracket to the new bracket using the supplied 5/16" x 1" bolt, washer, and nut. (13) {1/2"} Do not kink the lines.

56) AXLE VENT HOSE...

□ Attach the vent hose to the top of the factory brake line bracket.

57) EMERGENCY BRAKE BRACKET...

□ [Illustration 76 & 77] Locate the factory brake line bracket that is retaining the driver's side cable at the front rear spring hanger. Using a pair of pliers carefully bend the bracket down.

Illustration 76

Illustration 77

58) SHOCK ABSORBERS…

□□ Install the supplied bushings then the sleeves into the shocks.

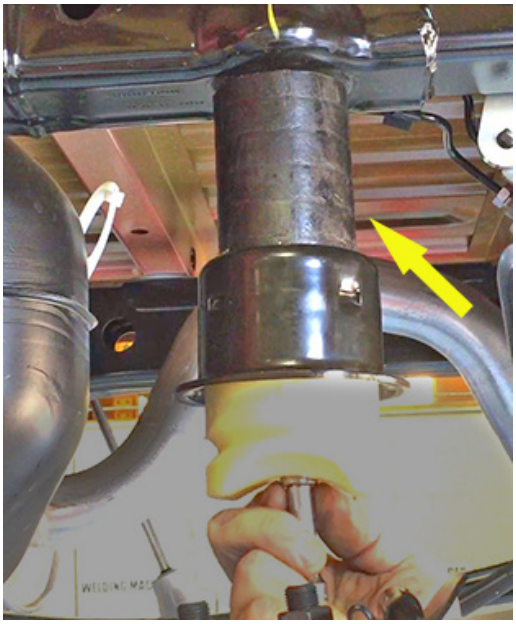
□□ [Illustration 78] Attach shocks (01-85150 Superide or BE5-6249-H5 Bilstein) to vehicle with the body of the shock positioned on the axle end, using the factory hardware. (55) {bolt 15mm, nut 18mm}

Illustration 78

59) BUMP STOPS...

□□ [Illustration 79] Position the new bump stop spacers (55-12-9930) on top of the factory bump stop and attach the frame using the supplied 10mm x 150mm bolt and washer. (40) {8mm allen}

Illustration 79



60) TIRES / WHEELS...

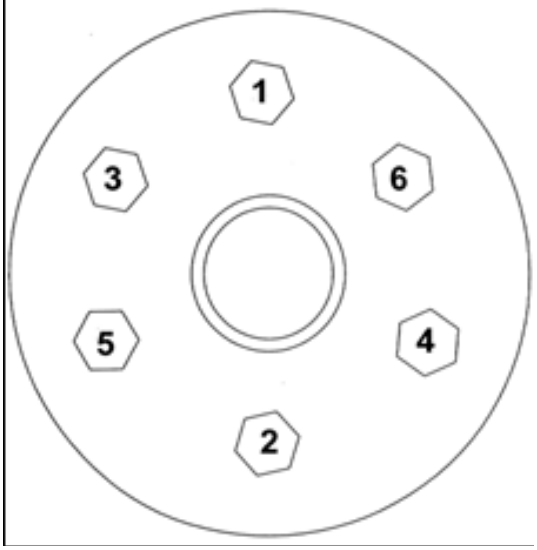
□□ Reinstall tires and wheels. Tighten the lug nuts in the sequence shown. (151) {21mm}

WARNING: When the tires / wheels are installed, always check for and remove any corrosion, dirt, or foreign material on the wheel mounting surface, or anything that contacts the wheel mounting surface (hub, rotor, etc.). Installing wheels without the proper metal-to-metal contact at the wheel mounting surfaces can cause the lug nuts to loosen and the wheel to come off while the vehicle is in motion.

WARNING: Retighten lug nuts at 500 miles after any wheel change, or anytime the lug nuts are loosened. Failure to do so could cause wheels to come off while vehicle is in motion.

□ Lower vehicle to the floor.

DIAGRAM - LUG NUT TORQUE SEQUENCE - Follow the pattern shown to torque the lug nuts.



61) CLEARANCE CHECK...

□□ With the vehicle on the ground, check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels, brake hoses, wiring, etc.

62) FOUR WHEEL DRIVE…

□ Activate four wheel drive system and check for proper engagement.

63) HEADLIGHTS...

□□ Re-adjust headlights to proper setting.

64) SUPERLIFT WARNING DECAL...

□□ Install the WARNING TO DRIVER decal on the inside of the windshield, or on the dash, within driver's view. Refer to

the “NOTICE TO DEALER AND VEHICLE OWNER” section below.

65) SUPERLIFT BADGES...

This kit is packaged with a Superlift badge. Prior to installation, use the supplied alcohol pad to eliminate all soap and or other non-adhering residues that may impair adhesion, thoroughly clean the entire area of placement.

The adhesive on our badges is pressure sensitive and must be applied using pressure on all areas of the graphic. Like any PSA (pressure sensitive adhesive), it can take up to 72 hours for the adhesive to fully cure. Once the badge is in place do not peel it up, this will diminish the adhesive properties and could result in damaging the badge itself.

To keep your Superlift badge in “like new” appearance keep the badge free/clear of solvents and chemicals that could cause the adhesive to dry or dissolve. This includes gasoline, diesel fuel, paint thinner, and alcohol. Soap and water is all that is needed for cleaning. Degreasers can be used sparingly and hand whipped/applied if needed, although not suggested.

Important Maintenance Information

It is the ultimate buyer’s responsibility to have all bolts / nuts checked for tightness after the first 100 miles and then every 1000 miles. The steering, suspension and driveline systems, plus wheel alignment should be inspected by a qualified professional mechanic at least every 3000 miles.

Limited Lifetime Warranty / Warnings

Your Superlift® product is covered by the Limited Warranty explained below that gives you specific legal rights. This limited warranty is the only warranty Superlift® makes in connection with your product purchase. Superlift® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or limited warranty.

Superlift, LLC, Limited Lifetime Warranty

What is covered? Subject to the terms below, Superlift® will repair or replace its products found defective in materials or workmanship for so long as the original purchaser owns the vehicle on which the product was originally installed. Your warrantor is Superlift, LLC, doing business as Superlift® Suspension Systems (“Superlift®”).

What is not covered? Your Superlift® Limited Warranty does not cover products Superlift® determines to have been damaged by or subjected to:

• Alteration, modification or failure to maintain.

• Normal wear and tear (bushings, rod ends, etc.). Scratches or defects in product finishes (powder coating, plating, etc.).

• Damage to, or resulting from, the vehicle's electronic stability system, related components or other vehicle systems.

• Racing or other vehicle competitions or contests. Accidents, impact by rocks, trees, obstacles or other aspects of the environment.

• Theft, vandalism or other intentional damage.

Remedy Limited to Repair or Replacement. The exclusive remedy provided hereunder shall, upon Superlift's inspection and at Superlift's option, be either repair or replacement of the product covered under this Limited Warranty. Customers requesting warranty consideration should contact Superlift® by phone (1-800-551-4955) to obtain a Returned Goods Authorization number. All removal, shipping and installation costs are customer's responsibility.

If a replacement part is needed before the Superlift® part in question can be returned, you must first purchase the replacement part. Then, if the part in question is deemed warrantable, you will be credited / refunded.

Other Limitations - Exclusion of Damages - Your Rights Under State Law

• Neither Superlift® nor your independent Superlift® dealer are responsible for any time loss, rental costs, or for any incidental, consequential or other damages you may have.

• This Limited Warranty gives you specific rights, and this is the only warranty Superlift® makes in connection with your product purchase. You may also have other rights that vary from state to state. For example, while all implied warranties are disclaimed herein, any implied warranty required by law is limited to the terms of our Limited Lifetime Warranty as described above. Some states do not allow limitations of how long an implied warranty lasts and / or do not allow the exclusion or limitation of incidental or consequential damages, so the limitations and exclusions herein may not apply to you. Superlift® neither assumes nor authorizes any retailer or other person or entity to assume for it any other obligation or liability in connection with this product or Limited Warranty.

Superlift, LLC, Satisfaction Guarantee

We want you to purchase our product with confidence and be 100% satisfied with the end result. If you have any legitimate issue, and Superlift® cannot rectify it to your satisfaction, Superlift® will take back the Superlift® brand product and refund the customer 100% of the product purchase price.
The details:
• Offer valid to the original retail consumer for six months after product purchase.
• May require a Superlift® dealer's participation in order to assist in "troubleshooting" the issue.
• Any costs related to labor, freight, incidental or consequential are not refunded.
• Refund will not exceed Superlift's® published retail price.

Important Product Use and Safety Information / Warnings

As a general rule, the taller a vehicle is, the easier it will roll over. Offset, as much as possible, what is lost in rollover resistance by increasing tire track width. In other words, go "wide" as you go "tall"; always use as wide a tire and wheel combination as feasible to enhance vehicle stability. We strongly recommend, because of rollover possibility, that the vehicle be equipped with a functional roll bar and cage system. Seat belts and

shoulder harnesses should be worn at all times. Avoid situations where a side rollover may occur.
Generally, braking performance and capabilities are decreased when significantly larger / heavier tires and wheels are used. Take this into consideration while driving. Also, changing axle gear ratios or using tires that are taller or shorter than factory height will cause an erroneous speedometer reading. On vehicles equipped with an electronic speedometer, the speed signal impacts other important functions as well. Speedometer recalibration for both mechanical and electronic types is highly recommended.
Do not add, alter, or fabricate any factory or aftermarket parts to increase vehicle height over the intended height of the Superlift® product purchased. Mixing component brands is not recommended.

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