SUPERLIFT SUSPENSION
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SUPERLIFT.COM
TRUCK HERO

2009-2014 FORD F-150 PICKUP 4WD
4.5 & 6 Inch Lift Kits
INSTALLATION INSTRUCTIONS

Engineered for 4WD Models ONLY.
Fits: 2009-2014 Ford F-150 4WD

CAUTION: MAKE SURE YOU HAVE THE CORRECT LIFT FOR YOUR VEHICLE:

Double check the Year, Make, Model, Lift Height and KIT Part Numbers.

NOTE: Prior to beginning the installation, OPEN the Boxes and CHECK the Included Components Compared to the Parts Breakdown. Check all parts and hardware in the box with the parts list below. Be sure you have all needed parts and know where they install.

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.

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

INTRODUCTION BEFORE INSTALLATION...

Installation requires a professional mechanic. In addition to these instructions, professional knowledge of disassembly / reassembly procedures and post installation checks must be known.

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, idler 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. Read each step completely as you go.
Be sure you have all needed parts and know where they install.

NOTES:

NOTE: If being installed on a 2009 Model, You MUST Order a #77-15-9922 Separately!!
NOTE: Vehicles Equipped with a 2-Piece Rear Driveshaft, You MUST Order #9935 for the Carrier Bearing Shims.

- 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.
- Always wear safety glasses when using power tools.
- Prior to attaching components, be sure all mating surfaces are free of grit, grease, excessive undercoating, etc.
- Do not fabricate any components to gain additional suspension height.
- A factory service manual should be on hand for reference.
- Due to payload options and initial ride height variances, the amount of lift is a 'base figure'. Final ride height dimensions may vary in accordance to original vehicle stance.

BEFORE YOU DRIVE...

Check all fasteners for proper torque. Check to ensure for adequate clearance between all rotating, mobile, fixed, and heated members. Verify clearance between exhaust and brake lines, fuel lines, fuel tank, floor boards and wiring harness. Check steering components for clearance.

Test and inspect brake system. Perform steering sweep to ensure front brake hoses have adequate slack and do not contact any rotating, mobile or heated members. Inspect rear brake hoses at full extension for adequate slack. Failure to perform hose check/replacement may result in component failure.

Perform head light check and adjustment.

⚠WARNING: 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.

TIRES & WHEELS...

Larger rim and tire combinations may increase leverage on suspension, steering, and related components. When selecting combinations larger than OE, consider the additional stress you could be inducing on the OE and related components.

⚠NOTE: Stock 18" & 20" Wheels Will Fit back on the vehicle once this suspension system is installed.

⚠WARNING: ANY larger or wider tire & wheel combination other than listed Will Require Vehicle Trimming.

IMPORTANT DISCLAIMER: The provided tire/wheel fitments are approximate. Actual dimensions of a given tire size can vary considerably from one brand to another. Manufacturers' wheel offset and backspacing measurement points are not always consistent. Backspacing greatly impacts tire-to-fender clearance when turning. Wheel width and backspacing influence whether the tires protrude past the fenders, and to what extent. Considering these important factors, we recommend that you fit-check your tire/wheel selection prior to purchasing.

4.5 Inch Lift			
RECOMMENDED TIRE SIZE SPECIFICATIONS			
Tire	**Wheel**	**Backspacing (IN)**	**Offset (MM)**
33 x 12.5	18 x 9	4.5	-
35 x 12.5	18 x 9	5.3	19
33 x 12.5	20 x 9	4.5	-
35 x 12.5	20 x 9	5.3	25

6 Inch Lift			
RECOMMENDED TIRE SIZE SPECIFICATIONS			
Tire	**Wheel**	**Backspacing (IN)**	**Offset (MM)**
35 x 12.5	18 x 9	5.3	19
35 x 13.5	18 x 9	5	13
35 x 13.5	18 x 9	4.5	-
35 x 12.5	20 x 9	5.5	25
35 x 13.5	20 x 9	5	13
35 x 13.5	20 x 9	4.5	-
35 x 12.5	20 x 10	4.3	-19

TOOLS & TECH...

The chart is a listing of the main tools need to install this lift kit system.

TOOLS		
Miscellaneous 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 with 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

How to Read the Kit Breakdown Charts: The 'K KIT BREAKDOWN' lists the Part Numbers, Quantities & Part Description of the Boxes that are included in the K KIT. The 'KIT BREAKDOWN' lists Part Numbers, Quantities & Part Description of the Individual Components & Hardware Bags that are included in Each Box. The 'HARDWARE BREAKDOWN' lists the Part Numbers, Quantities & Part Description of the Individual Components.

K KIT BREAKDOWN

Kit Part Number	K178	4.5" Lift Kit
Part Number	**Qty.**	**Part Description**
9922	1	Kit Box, Knuckles
9926	1	Kit Box, Crossmember, Belly Pan & Sway Bar Drop
9927	1	Kit Box, Differential, Bump Stops & Driveshaft Spacer
9929	1	Kit Box, Strut Spacer
84057	1	Kit Box, SUPERLIFT Shocks
OR		
Kit Part Number	**K178B**	**4.5" Lift Kit**
Part Number	**Qty.**	**Part Description**
9922	1	Kit Box, Knuckles
9926	1	Kit Box, Crossmember, Belly Pan & Sway Bar Drop
9927	1	Kit Box, Differential, Bump Stops & Driveshaft Spacer
9929	1	Kit Box, Strut Spacer
84058	1	Kit Box, BILSTEIN Shocks

Kit Part Number	K179	6" Lift Kit
Part Number	**Qty.**	**Part Description**
9922	1	Kit Box, Knuckles
9926	1	Kit Box, Crossmember, Belly Pan & Sway Bar Drop
9927	1	Kit Box, Differential, Bump Stops & Driveshaft Spacer
9928	1	Kit Box, Strut Spacer
84057	1	Kit Box, SUPERLIFT Shocks
OR		
Kit Part Number	**K179B**	**6" Lift Kit**
Part Number	**Qty.**	**Part Description**
9922	1	Kit Box, Knuckles
9926	1	Kit Box, Crossmember, Belly Pan & Sway Bar Drop
9927	1	Kit Box, Differential, Bump Stops & Driveshaft Spacer
9928	1	Kit Box, Strut Spacer
84058	1	Kit Box, BILSTEIN Shocks

KIT BOX BREAKDOWN

Kit Part Number	9922	
Part Number	**Qty.**	**Part Description**
66-01-9922	1	Knuckle, Driver
66-02-9922	1	Knuckle, Passenger
Kit Part Number	**9926**	
Part Number	**Qty.**	**Part Description**
55-15-9922	1	Crossmember, Front
55-16-9922	1	Crossmember, Rear
55-07-9922	1	Sway Bar Drop, Driver
55-08-9922	1	Sway Bar Drop, Passenger
55-10-9922	1	Belly Pan
77-9922	1	Hardware Bag, Knuckle Spacers, E-Brake
77-9926A	1	Hardware Bag, Cam Bolts
Kit Part Number	**9927**	
Part Number	**Qty.**	**Part Description**
55-03-9930	1	Differential Drop, Driver
55-04-9930	1	Differential Drop, Passenger
55-12-9930	2	Bump Stop, Rear
66-11-9910	1	Driveshaft Spacer, Front
77-9930	1	Hardware Bag, SUPERLIFT parts
77-9932	1	Hardware Bag, Nuts and Bolts

Kit Part Number	9928	6" Lift Kit
Part Number	**Qty.**	**Part Description**
10362	4	9/16" x 3-5/16" x 12" Ubolts
55-09-9930	1	Strut Spacers (6"), Driver
55-13-9922	1	Strut Spacers (6"), Passenger
55-31-9930	2	Block, Rear
77-1509	1	Ubolt Nuts and Washers
Kit Part Number	**9929**	**4.5" Lift Kit**
Part Number	**Qty.**	**Part Description**
10352	4	9/16" x 3-5/16" x 11" Ubolts
55-11-9930	1	Strut Spacers (4.5"), Driver
55-14-9922	1	Strut Spacers (4.5"), Passenger
55-30-9930	2	Block, Rear
77-1509	1	Ubolt Nuts and Washers
Kit Part Number	**84057**	
Part Number	**Qty.**	**Part Description**
01-85150	2	SUPERLIFT Shock Cylinder, Rear
77-87037	2	Hardware Bag, Shocks Bushings and Sleeves
Kit Part Number	**84058**	
Part Number	**Qty.**	**Part Description**
BE5-6249-H5	2	BILSTEIN Shock Cylinder, Rear
77-87037	2	Hardware Bag, Shocks Bushings and Sleeves

HARDWARE BAG BREAKDOWN

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	**77-9922**	
Part Number	**Qty.**	**Part Description**
55-12-9922	1	Emergency Brake Bracket
12X114C5CS	1	1/2" x 1-1/4" Bolt, Coarse Thread
12SW	1	1/2" SAE Washer
12C5NN	1	1/2" Nyloc Nut
516X1C5CS	1	5/16" x 1" Bolt, Coarse Thread
516SW	2	5/16" SAE Washer
516C5NN	1	5/16" Nyloc Nut
Kit Part Number	**77-9926A**	
Part Number	**Qty.**	**Part Description**
66-23-9922	2	18mm x 160mm Cam Bolt, Cam Washer & Nyloc Nut
66-22-9940	2	18mm x 140mm Cam Bolt, Cam Washer & Nyloc Nut
Kit Part Number	**77-87037**	
Part Number	**Qty.**	**Part Description**
01-60418	2	01-60418, Hourglass Bushing
24-5704	2	24-5704, 0.75" OD x 0.50" ID x 1.54" L, sleeve
Kit Part Number	**77-1509**	
Part Number	**Qty.**	**Part Description**
1511-B09	8	9/16" High Nut, Fine Thread
1509	8	9/16" Ubolt Washer

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
Kit Part Number	**77-15-9922**	
Part Number	**Qty.**	**Part Description**
15-9922	4	Brake Caliper Sleeve

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	Differential 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	55-07-9922	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	55-08-9922	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	55-06-9922	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 (Long)	2	77-9923
25	55-05-9922	1	Crossmember, Front	55-20-9922, Cam Bolt (Short)	2	77-9923
				18mm Stover Nut	2	77-9932
				18mm Flat Washer	2	
28	55-10-9922	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	1	Strut Spacer (6"), Driver	10mm Flange Nut	3	77-9932
31	55-13-9922	1	Strut Spacer (6"), Passenger	10mm Flange Nut	3	
	OR					
31	55-11-9930	1	Strut Spacer (4.5"), Driver	10mm Flange Nut	3	77-9932
31	55-14-9922	1	Strut Spacer (4.5"), Passenger	10mm Flange Nut	3	
33	66-01-9922	1	Knuckle, Driver	F470L, Thread Locker	0.5	77-9932
				15-9922 - Brake Caliper Sleeve (2009 Models ONLY)	2	77-9922
33	66-02-9922	1	Knuckle, Passenger	F470L, thread locker	0.5	77-9932
				15-9922 - Brake Caliper Sleeve (2009 Models ONLY)	2	77-9922
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	
50	55-12-9922	1	Emergency Brake Line Bracket	1/2" x 1-1/4" Bolt, Coarse Thread	1	77-9922
				1/2" SAE Washer	1	
				1/2" Nyloc Nut	1	
				5/16" x 1" Bolt, Coarse Thread	1	
				5/16" SAE Washer	2	
				5/16" Nyloc Nut	1	
56	55-31-9930	2	Block, Rear (6")	9/16" x 3-5/16" x 12" Ubolt, Square	4	
				9/16" High Nut, Fine Thread	8	77-1509
				9/16" Ubolt Washer	8	
	OR					
56	55-30-9930	2	Block, Rear (4.5")	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	
57	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	
59	01-85150	2	SUPERLIFT Shock Cylinder, Rear	01-60418, Hourglass Bushing	2	77-9930
				24-5704, 0.75" OD x 0.50" ID x 1.54" L, Sleeve	2	
	OR					
59	BE5-6249-H5	2	BILSTEIN Shock Cylinder, Rear	01-60418, Hourglass Bushing	2	77-9930
				24-5704, 0.75" OD x 0.50" ID x 1.54" L, sleeve	2	
60	55-12-9930	2	Bump Stop, Rear	10mm x 1.5 x 150mm, Socket Bolt	1	77-9932
				10mm Flat Washer	1	

⚠NOTE: 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 (Left) and one is for the Passenger Side (Right). Unless otherwise noted, always start with the Driver Side.

FRONT DISASSEMBLY

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

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]

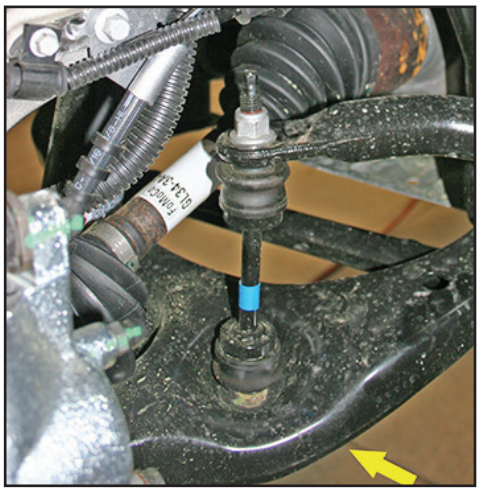
Illustration 1

2) FRONT DIFFERENTIAL SKID PLATE...

☐ [Illustration 1] If equipped, remove the factory front differential skid plate and discard. [13mm] (Some models are equipped with a secondary skid plate located behind the front differential skid plate. Remove this skid plate as well as the brackets bolted to the side of the frame and discard.)

3) SWAY BAR LINKS AND SWAY BAR BODY…

Illustration 2



☐☐ [Illustration 2] Disconnect the lower end of the sway bar links from the lower control arm. [18mm]

☐☐ [Illustration 3] 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.

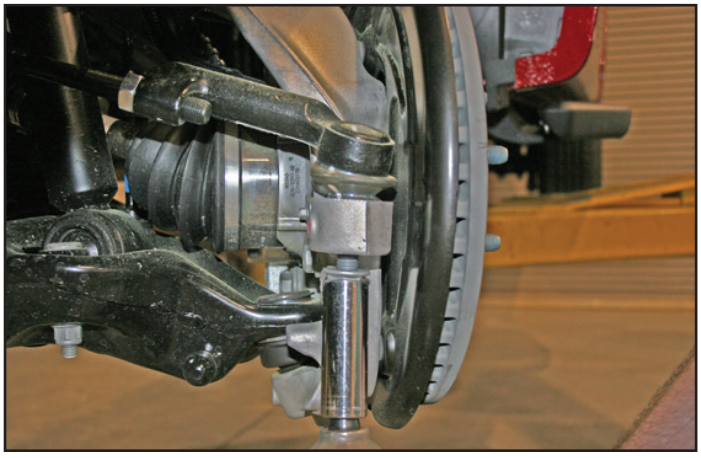
Perform steps 4 through 15 one side at a time.

4) STEERING TIE ROD END...

☐☐ [Illustration 4] 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 3

Illustration 4



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

☐☐ [Illustration 5] Unclip the vacuum lines from the brake line bracket. [plastic fastener removal tool]

☐☐ [Illustration 6] Locate the brake line bracket on the steering knuckle and remove. [10mm]

☐☐ [Illustration 6] Remove the ABS sensor wire from the steering knuckle. [8mm]

Illustration 5

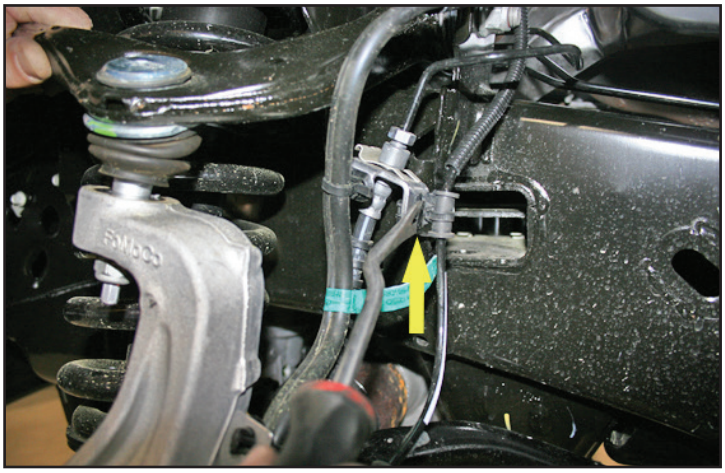
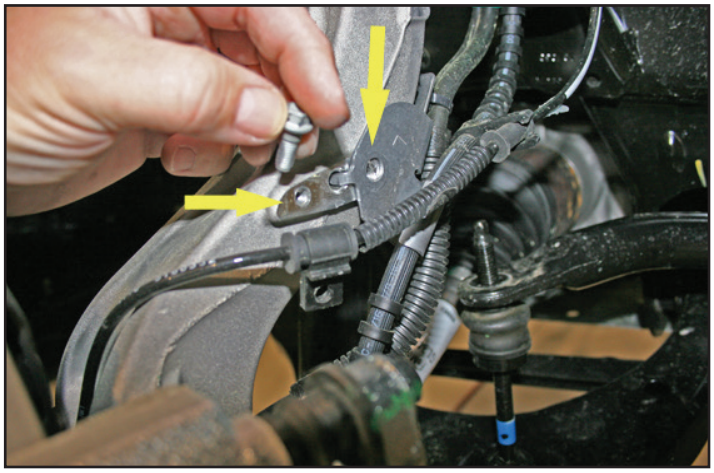


Illustration 6

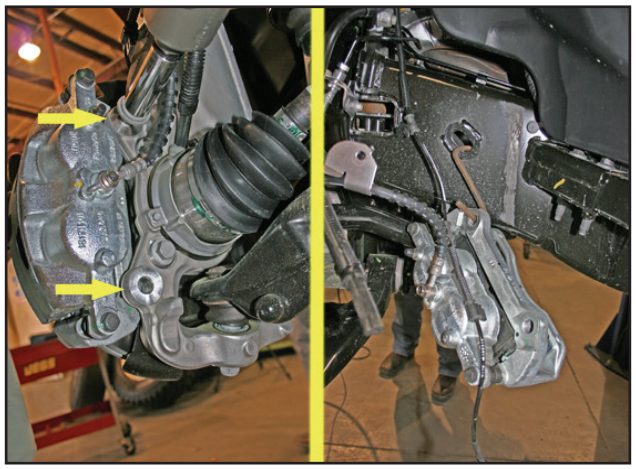


6) BRAKE CALIPER...

☐☐ [Illustration 7] 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 7



7) CV SHAFT NUT...

☐☐ [Illustration 8] Remove the CV shaft dust cap from the outside of the hub assembly. Remove the retaining nut from the CV shaft. [flathead screwdriver, hammer, 13mm]

Illustration 8

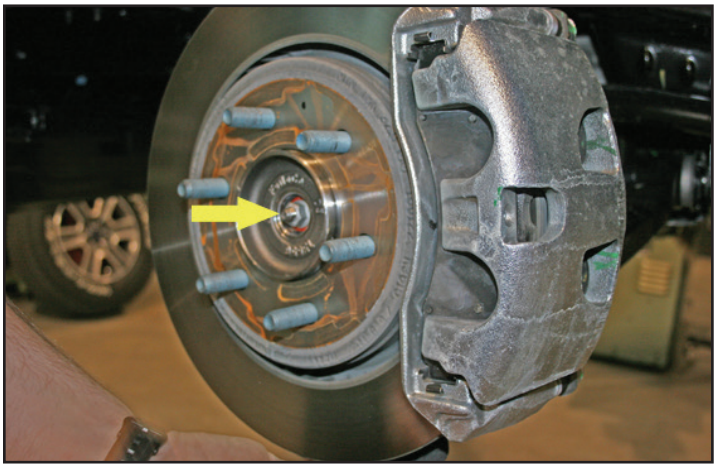
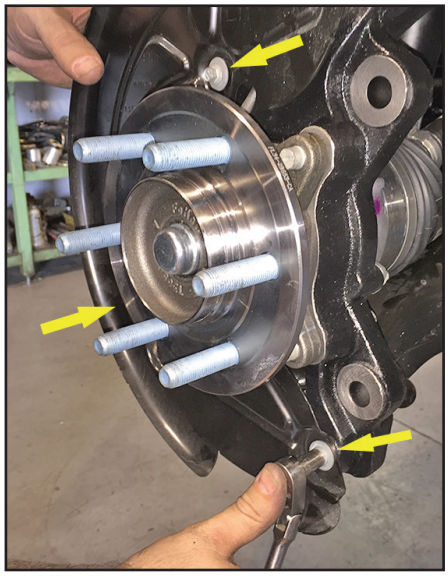


Illustration 9



8) DUST SHIELD...

☐☐ [Illustration 9] Remove the three bolts holding the dust shield on the knuckle. [8mm]

9) ABS SENSOR AND VACUUM LINES...

☐☐ [Illustrations] 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 10

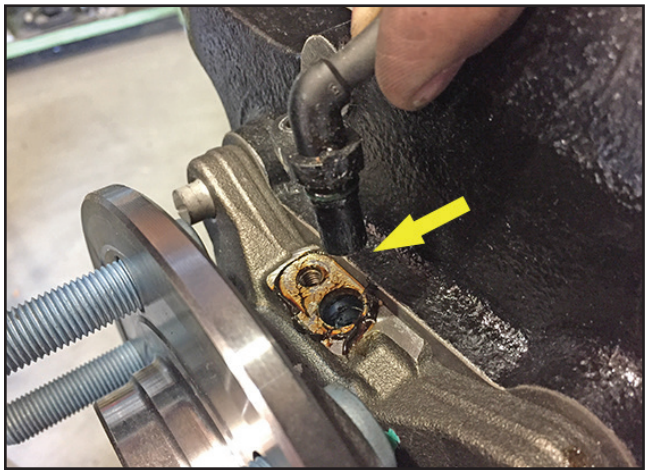
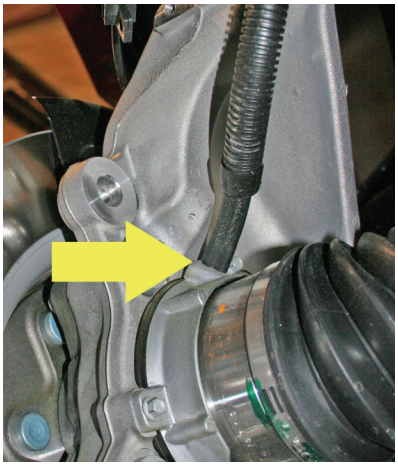


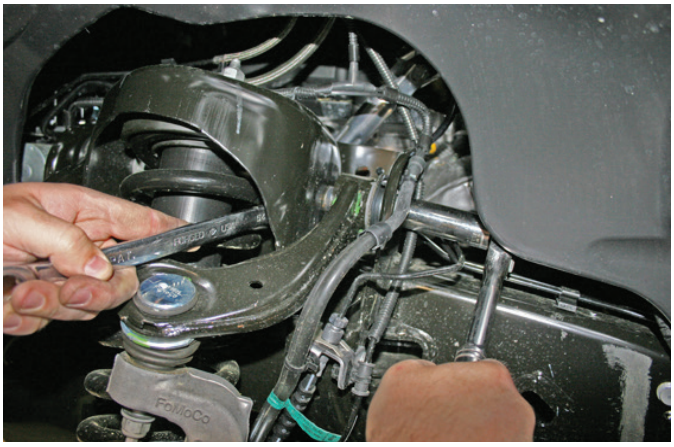
Illustration 11



10) UPPER CONTROL ARM...

☐☐ [Illustration 12] Loosen, but do not remove, the four upper control arm bolts (2 per side). [21mm]

Illustration 12



11) KNUCKLE...

☐☐ [Illustrations 13 &14] 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 21mm, lower ball joint 24mm]

Illustration 13

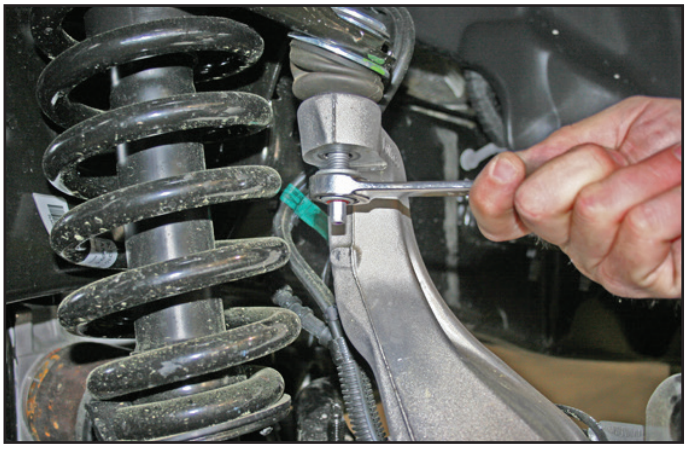
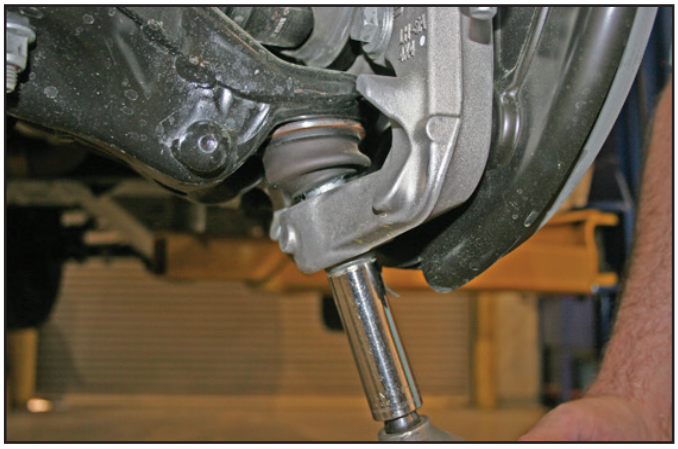


Illustration 14



12) BRAKE LINE BRACKET...

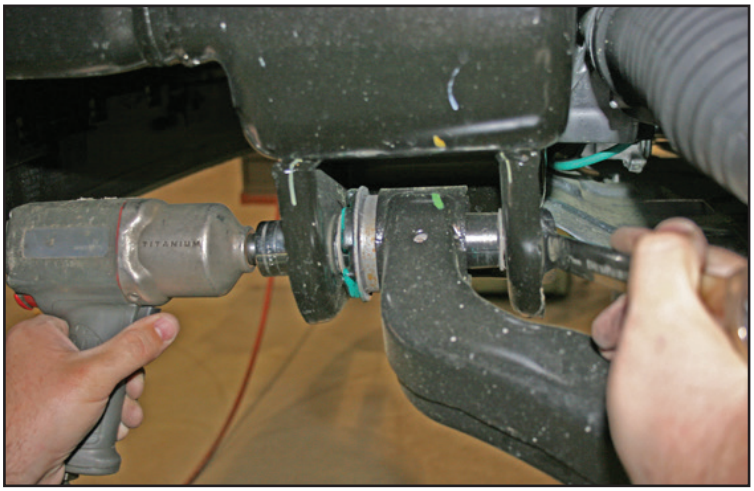
☐☐ [Illustration 15] Locate the brake line bracket on the side of the upper control arm mount and remove. [10mm]

13) LOWER CONTROL ARM…

☐☐ [Illustration 16] Loosen but do not remove the four lower control arm bolts (2 per side). [bolt 21mm, nut 27mm]

Illustration 15

Illustration 16



14) STRUT…

☐☐ [Illustration 17] Remove the bolt from the lower strut studs and let the lower control arm swing out of the way. [bolt 27mm, nut 30mm]

☐☐ [Illustration 18 & 19] Remove the three nuts from the top of the strut and remove the strut from the vehicle. [15mm]

Illustration 17

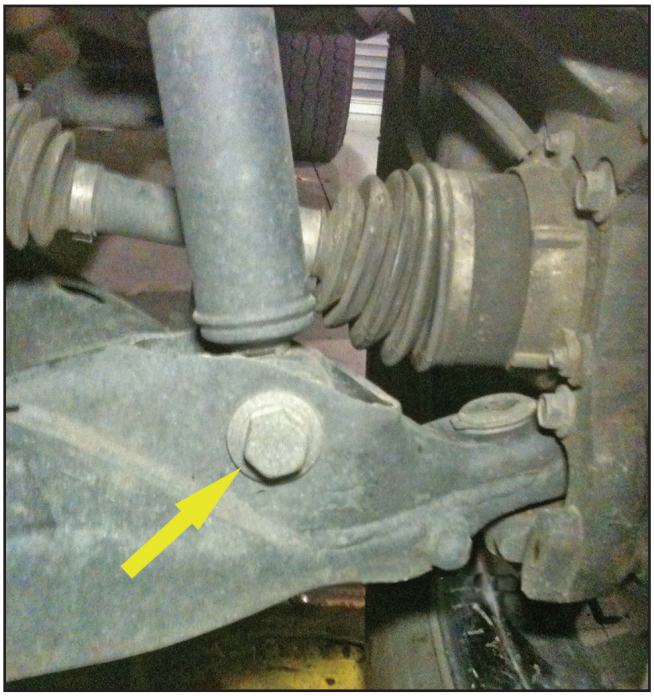
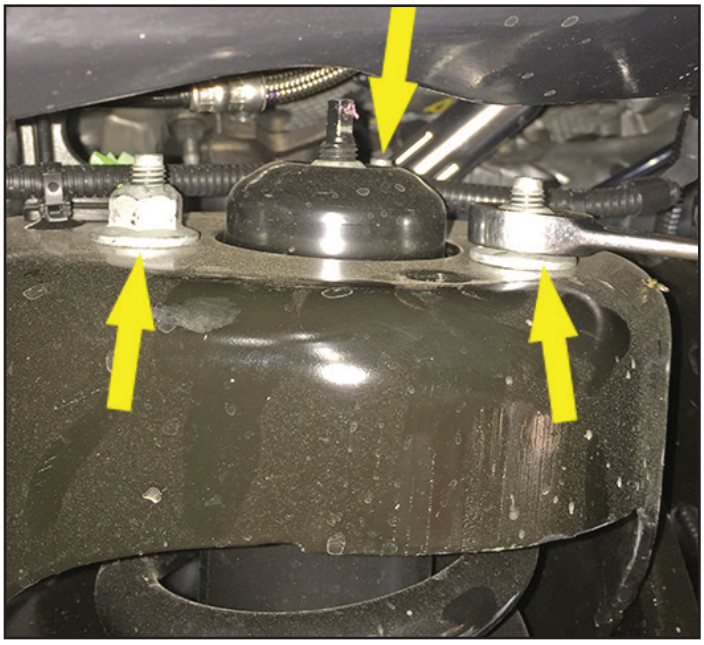


Illustration 18



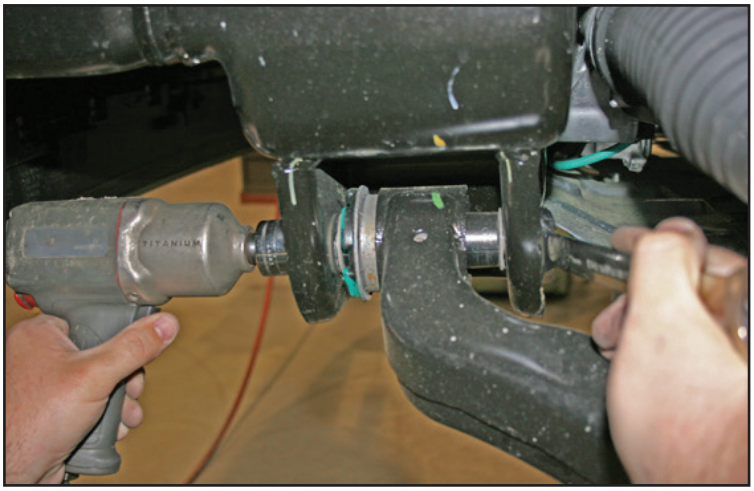
15) LOWER CONTROL ARM...

☐☐ [Illustration 20] Remove the lower control arm's bolts then remove the lower control arm.

Repeat steps 4 through 15 on the remaining side.

Illustration 19

Illustration 20



16) DRIVESHAFT...

☐ [Illustration 21] 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]

17) REAR CROSSMEMBER…

☐☐ [Illustration 22] Remove the four bolts securing the rear crossmember and remove the rear crossmember. [bolt 15mm, nut 18mm]

Illustration 21

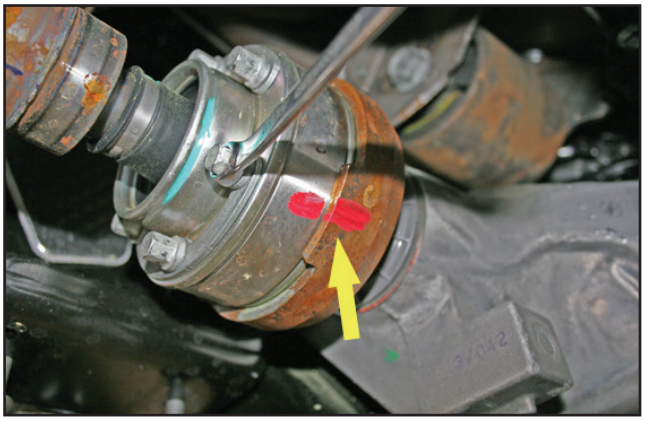
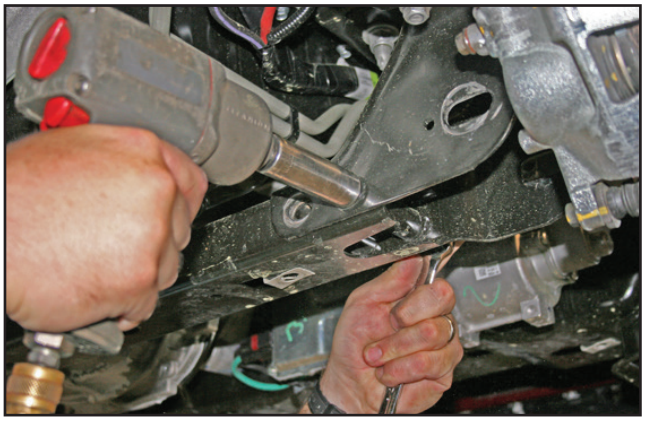


Illustration 22



18) DIFFERENTIAL REMOVAL…

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

☐☐ [Illustrations 23 thru 25] 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 23

Illustration 24

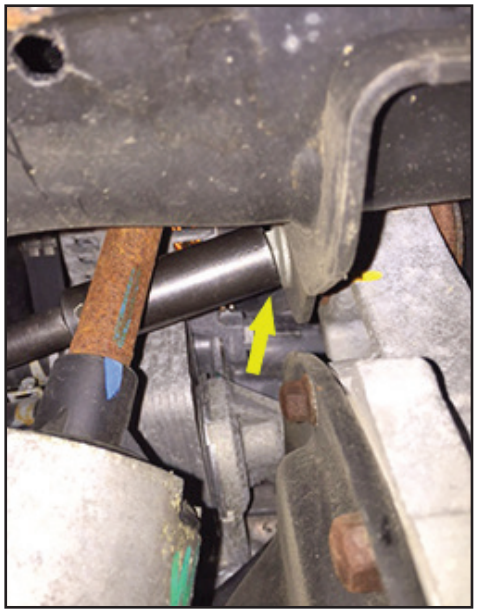


Illustration 25

19) TRIMMING LOWER CONTROL ARM MOUNT…

☐ [Illustrations 26 thru 31] 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 26

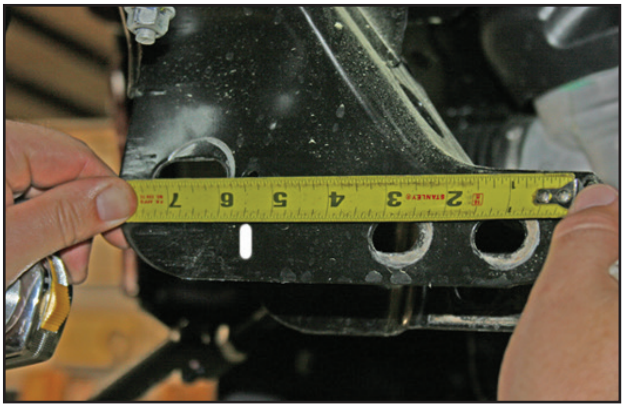


Illustration 27

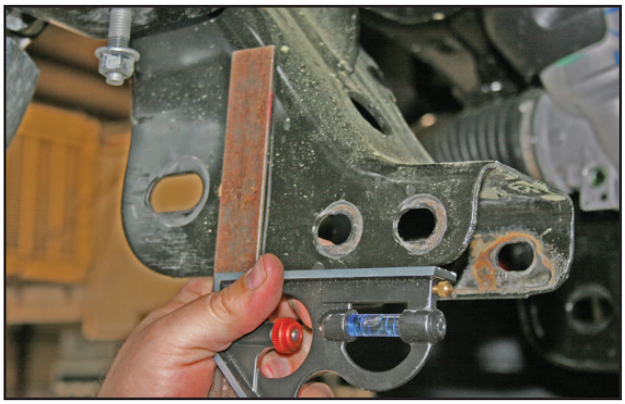


Illustration 28

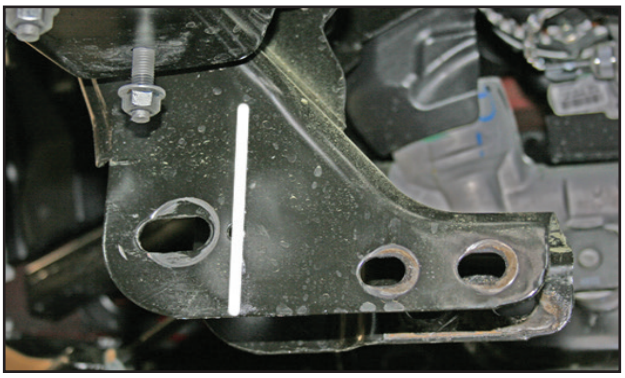


Illustration 29

Illustration 30

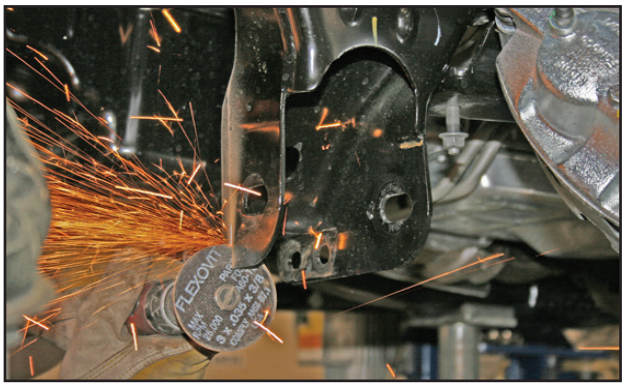
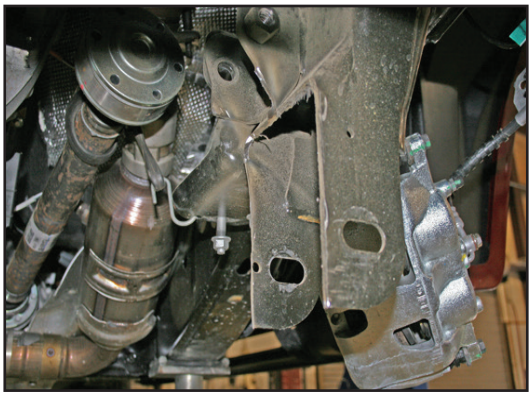


Illustration 31



20) TRIMMING SWAY BAR MOUNT...

☐☐ [Illustrations 32 thru 34] The driver side sway bar mount must be trimmed as shown. Only the inside front corner needs to be trimmed. Start on the bottom side and measure from front to rear 1-3/4" and mark; then measure from the inside to the outside 1-3/4" and mark. Move to the front side and measure from the bottom up 2" and mark; then measure from the inside to the outside 1-3/4" and mark.

☐☐ Cut the bracket along the marked lines using a cut-off wheel or Sawz-All.

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

Illustration 32

Illustration 33

Illustration 34

FRONT ASSEMBLY

21) DIFFERENTIAL INSTALLATION…

☐ [Illustration 35] 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 36] 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 35

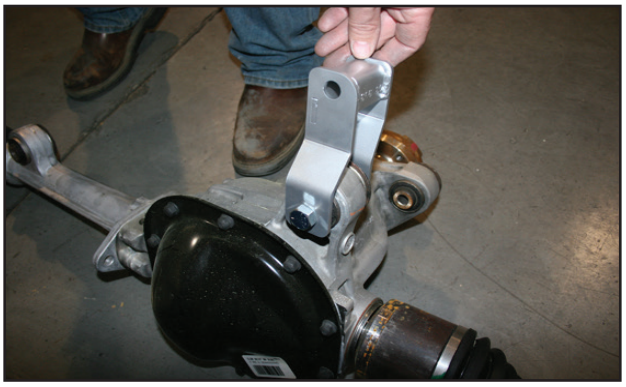


Illustration 36

☐☐ [Illustrations 37 & 38] 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 37

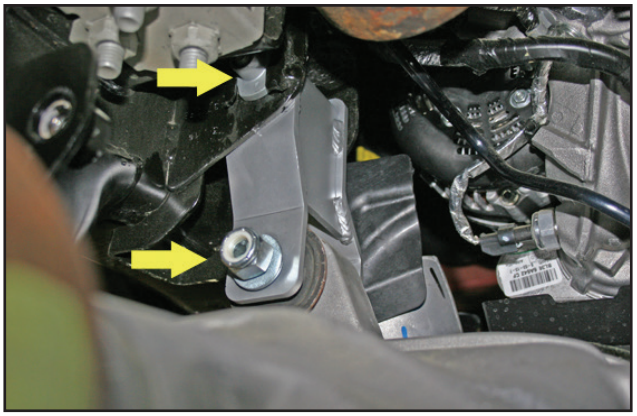
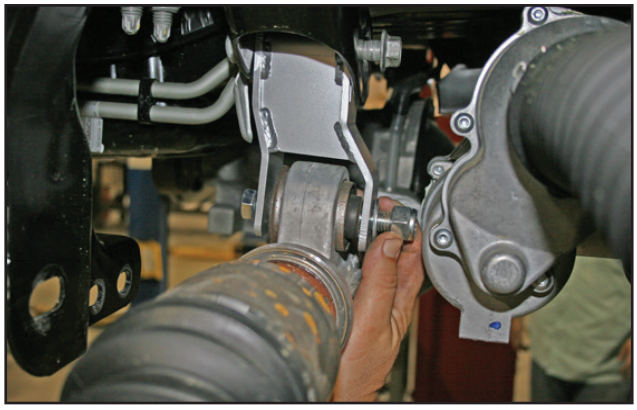


Illustration 38



☐ [Illustration 39] 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 40] 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 39

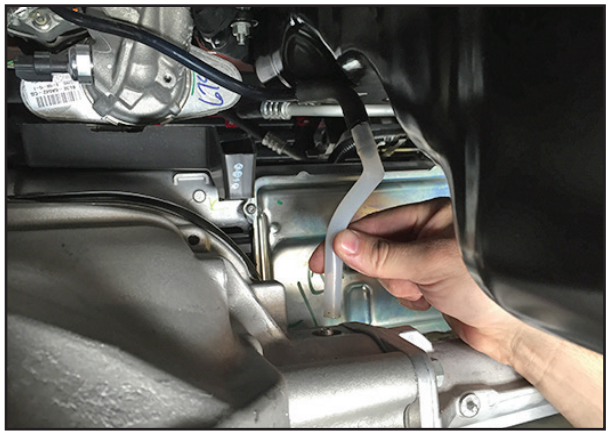
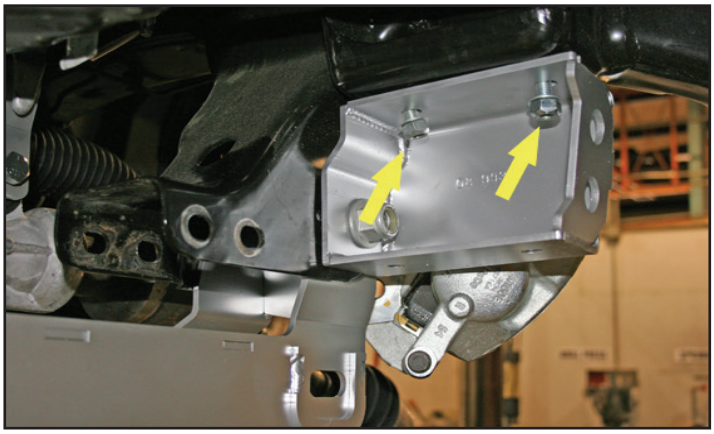


Illustration 40



23) REAR CROSSMEMBER...

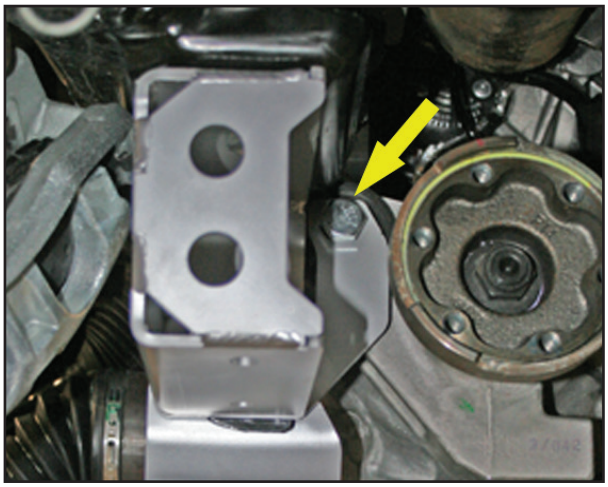
☐☐ [Illustration 41] Raise the rear crossmember (55-06-9930) into position. Secure it to the frame using the supplied 18mm x 150mm bolts, washers, and nuts; install bolts from rear.

24) DIFFERENTIAL REAR MOUNT...

☐ [Illustration 42] 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 41

Illustration 42



25) FRONT CROSSMEMBER…

☐☐ [Illustration 43] 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 44] Install the lower control arms into the new crossmembers with the supplied alignment 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 43

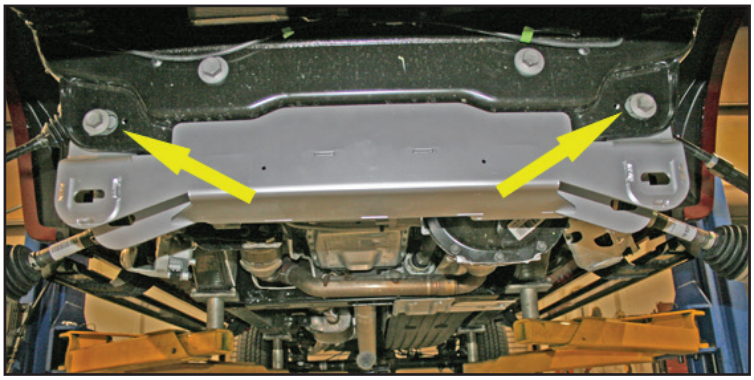
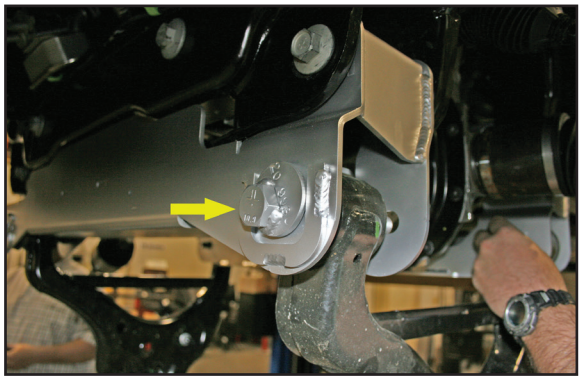


Illustration 44



27) TIGHTEN THESE FASTENERS…

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

☐☐ [Illustration 40] Snug sway bar drop brackets to frame; do not tighten. [bolt 5/8”, nut 11/16”]

☐☐ [Illustration 41] Rear crossmember mounting bolts to frame. (280) [27mm]

☐ [Illustration 42] Differential rear mounting bolt to rear crossmember. (105) [bolt 13/16”, nut 7/8”]

☐☐ [Illustration 36 & 37] Front differential brackets to frame. (130) [18mm]

☐☐ [Illustration 37 & 38] Front differential brackets to differential. (105) [bolt 13/16”, nut 7/8”]

☐☐ [Illustration 40] Sway bar brackets to frame. (50) [bolt 5/8”, nut 11/16”]

☐☐ [Illustration 43] Front crossmember to frame (280) [bolt 21mm, nut 27mm]

28) BELLY PAN…

☐ [Illustration 45] 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”]

29) FRONT DRIVESHAFT…

☐ [Illustration 46] 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 47] 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 45

Illustration 46

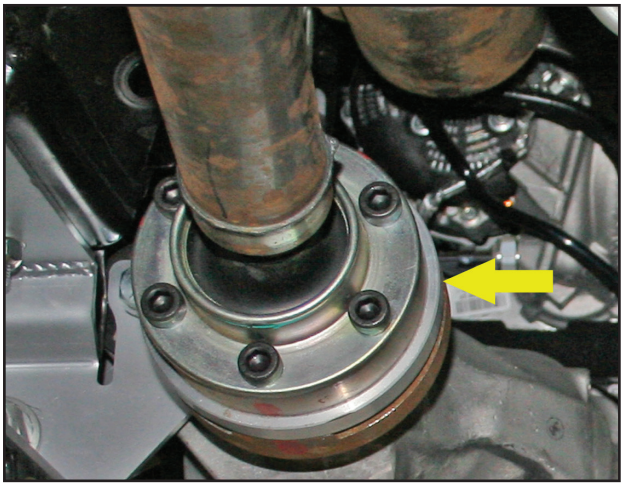
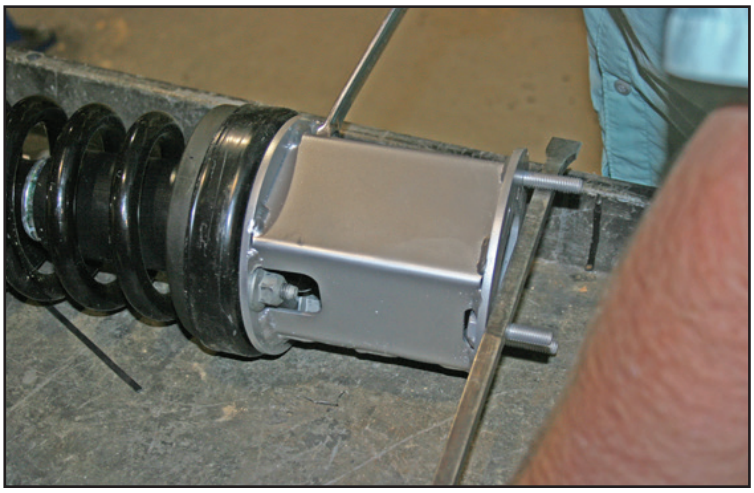


Illustration 47

31) STRUT SPACERS…

☐☐ [Illustration 48] Position the strut spacers to the top of the factory strut and fasten using the factory hardware. Tighten (55) [18mm]
4.5” lift = 55-11-9930 Driver side &
55-14-9922 Passenger side
6” lift = 55-09-9930 Driver side &
55-13-9930 Passenger side

Illustration 48



32) STRUTS...

☐☐ [Illustration 49] Install the strut assembly into the strut mount and attach using the supplied 10mm flange nut, start nut but do not tighten.

☐☐ [Illustration 50] Re-attach the lower strut mount to the lower control arm using the factory hardware. Do not tighten.

☐☐ [Illustration 51] Tighten the three top strut spacer 10mm flange nuts. (55) [15mm]

Illustration 49

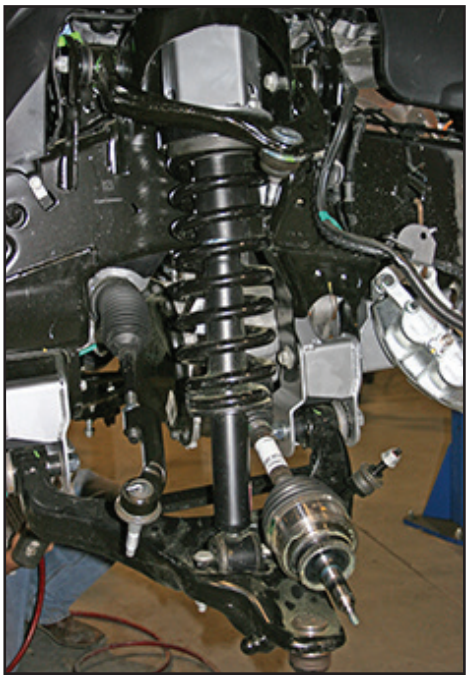


Illustration 50

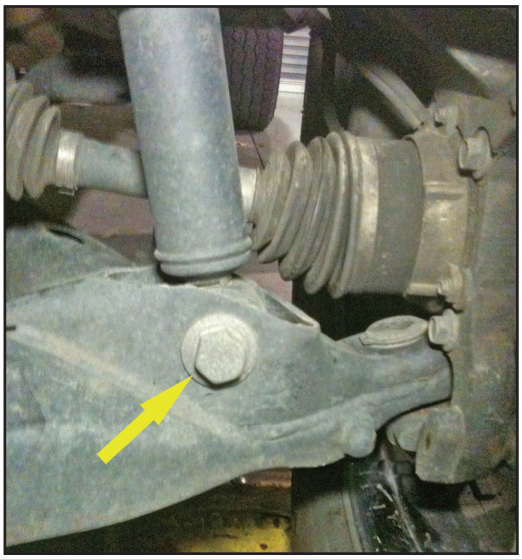
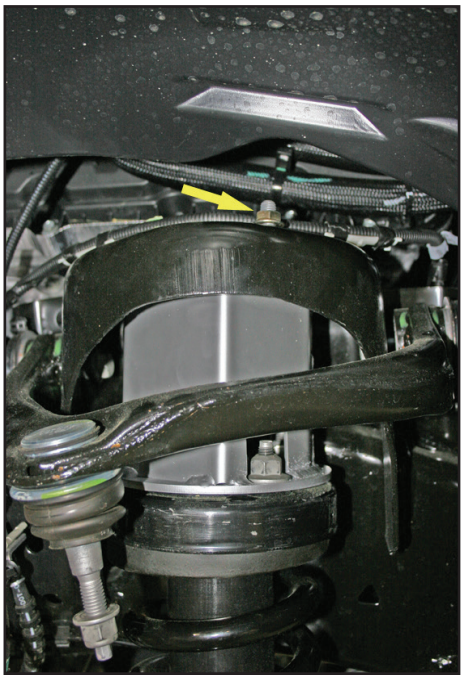


Illustration 51



33) HUB ASSEMBLY...

☐☐ [Illustration 52 & 53] On the factory knuckle, note the orientation of the vacuum module, and hub assembly, then remove them from the factory knuckle.

Illustration 52

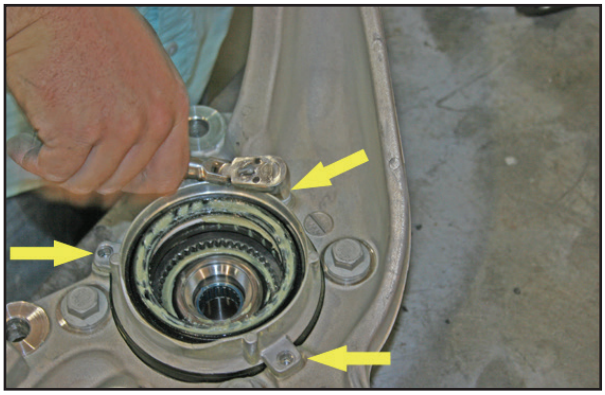
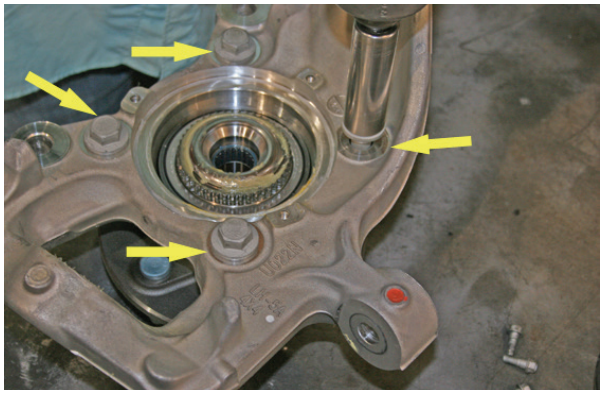
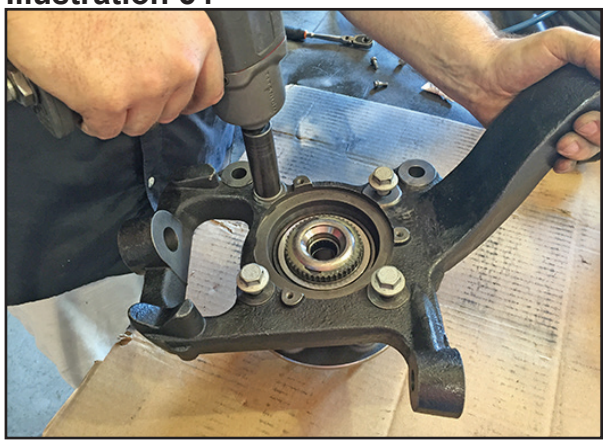


Illustration 53



☐☐ [Illustration 54] Install the new knuckle (66-01-9922 driver's side and 66-02-9922 passenger's side) onto the hub bearing assembly. Apply thread locker to the factory hardware and install bolts; tighten. (151) [18mm]

Illustration 54



34) VACUUM ASSEMBLY AND KNUCKLE INSTALL...

☐☐ [Illustration 55] Carefully position the vacuum assembly on the CV shaft.

☐☐ [Illustration 56] 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 55

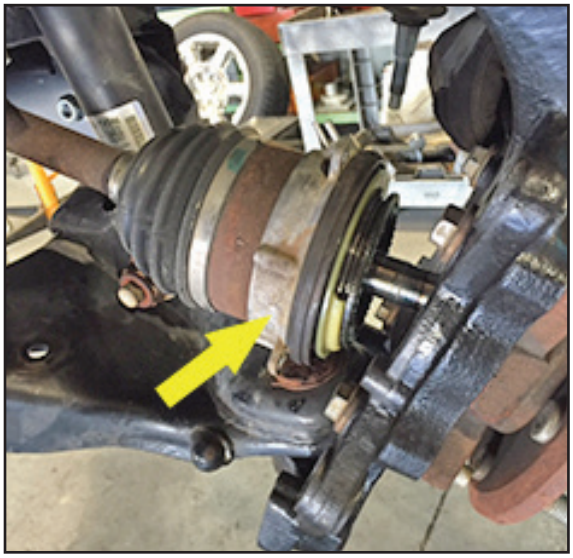
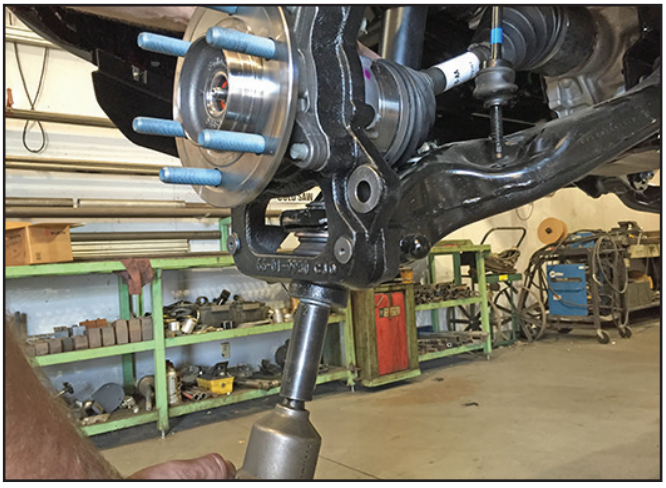


Illustration 56



35) VACUUM ASSEMBLY AND CV SHAFT...

☐☐ [Illustration 57] Attach the vacuum assembly to the new knuckle using the three factory bolts. (10) [8mm]

☐☐ [Illustration 58 & 59] 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 57

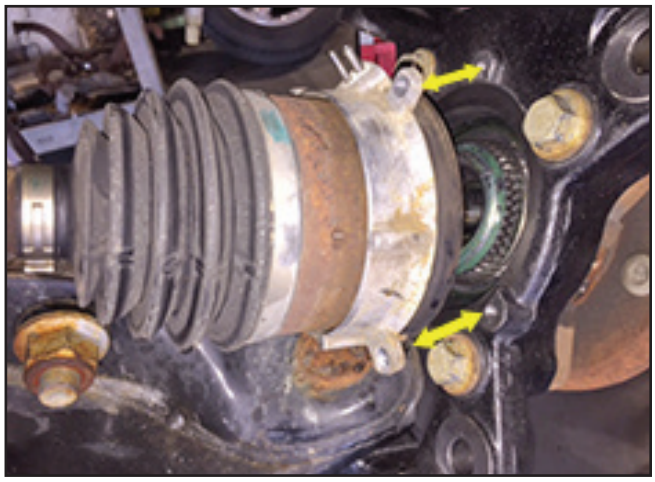


Illustration 58

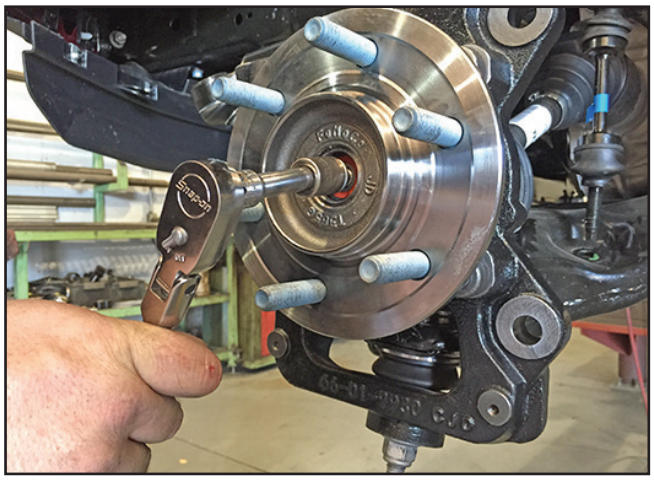
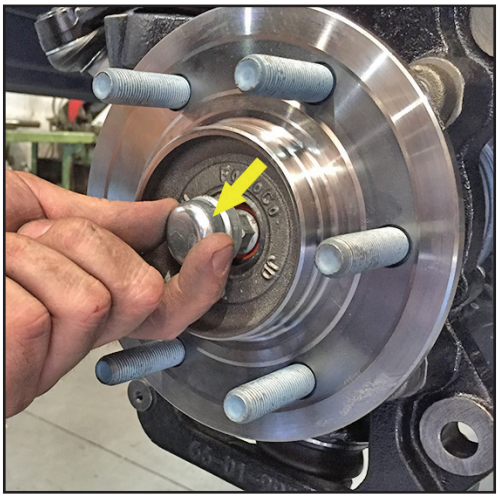


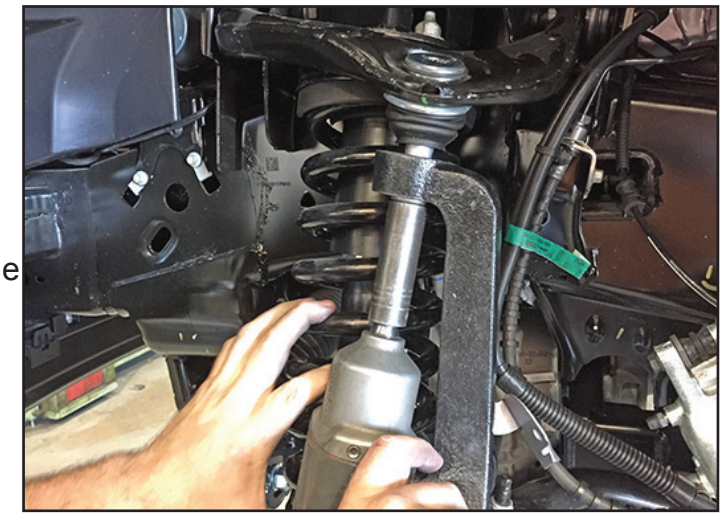
Illustration 59



36) UPPER BALL JOINT...

☐☐ [Illustration 60] Attach the upper ball joint to the knuckle and tighten. (103) [18mm]

Illustration 60



37) ABS SENSOR AND VACUUM LINES...

☐☐ [Illustration 61] Connect the ABS sensor to the hub assembly and tighten. (1) [5mm allen]

☐☐ [Illustration 62] Connect the vacuum lines to the vacuum module.

38) DUST SHIELD...

☐☐ [Illustration 63] Install the dust shield and secure using the factory hardware; tighten. (7.5) [8mm]

Illustration 61

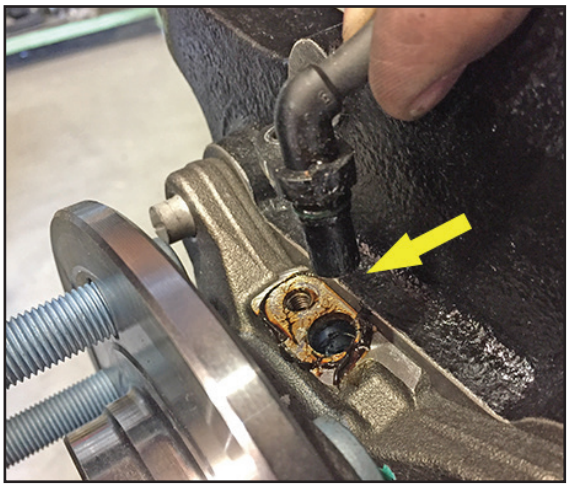


Illustration 62

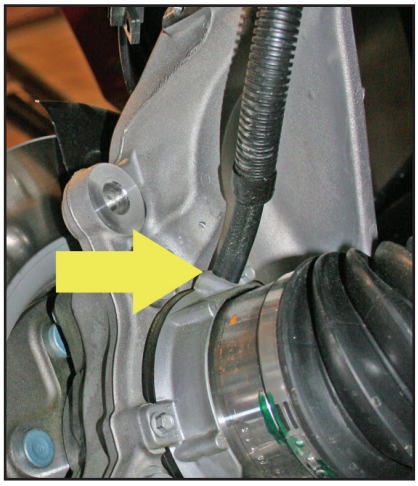
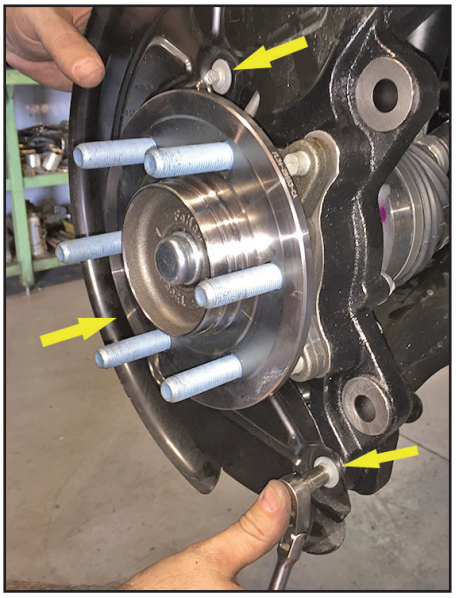


Illustration 63

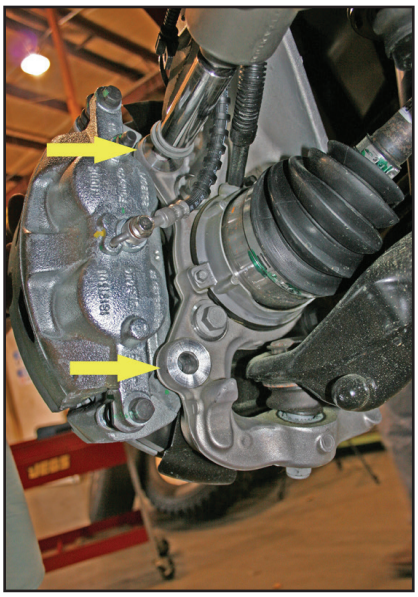


39) BRAKE CALIPERS...

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

☐☐ [Illustration 64] Apply thread locker to the factory bolts then position the caliper over the rotor and install the factory hardware and tighten. (159) [21mm]

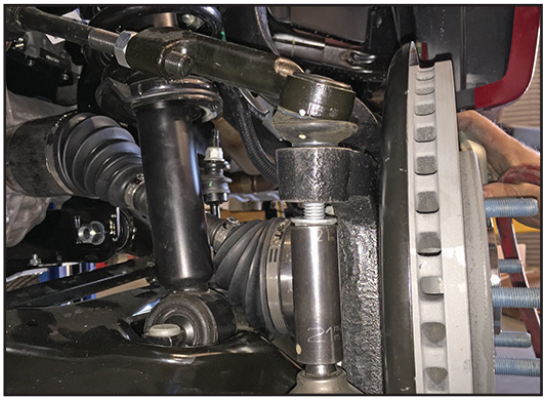
Illustration 64



40) STEERING TIE ROD END...

☐☐ [Illustration 65] Attach the tie rod end to the knuckle; tighten. (136) [21mm]

Illustration 65



41) BRAKE LINE BRACKETS…

☐☐ [Illustration 66] 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 66 & 67] 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 68] 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 68] Connect brake line bracket to the steering knuckle using the factory hardware. (18) [10mm]

Illustration 66

Illustration 67

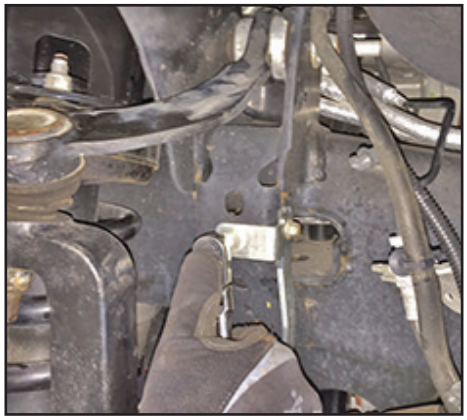
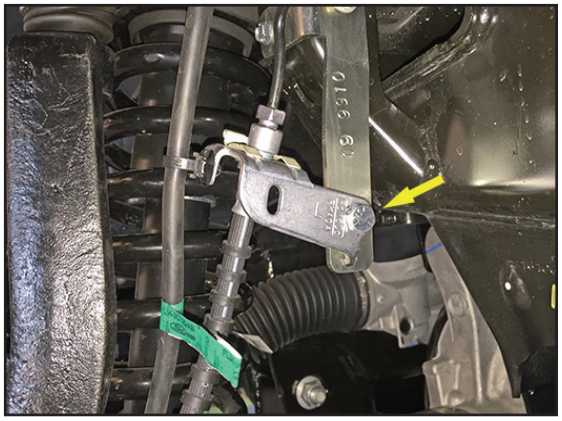


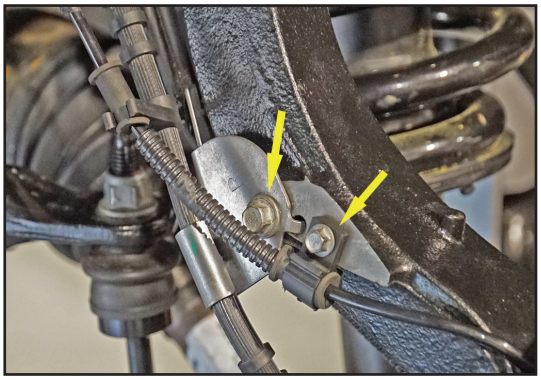
Illustration 68



42) ABS SENSOR WIRE...

☐☐ [Illustration 69] Connect the ABS sensor wire to the knuckle using the factory hardware. (9) [8mm] Make sure the wire is positioned below the bolt.

Illustration 69



Perform step 31 through 42 on the remaining side.

43) SWAY BAR LINKS...

☐☐ [Illustration 70] Connect the sway bar links to the lower control arm; tighten. (63) [15mm]

44) TIRES / WHEELS...

☐☐ [Illustration 71] Install tires and wheels. Tighten the lug nuts in the sequence shown. (151) [21mm]

Illustration 70

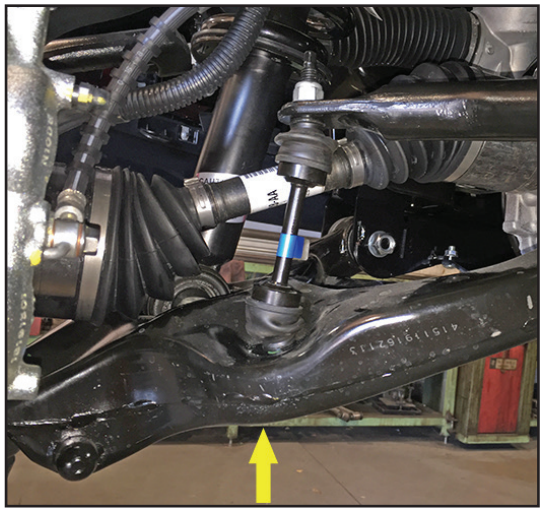
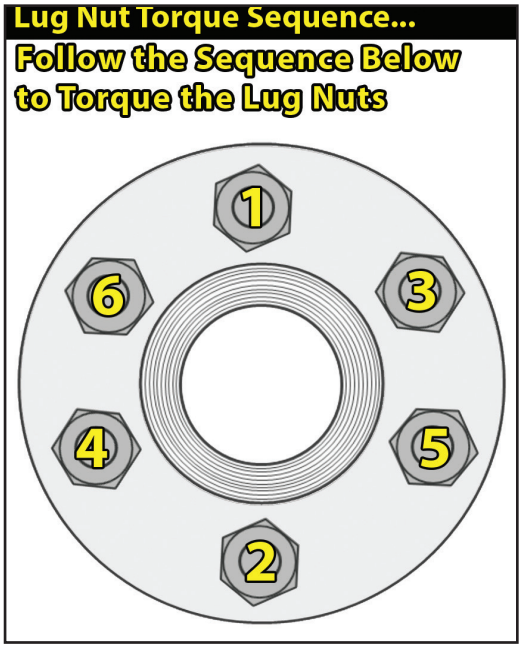


Illustration 71



⚠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. The suspension is now supporting vehicle weight.

45) LOWER CONTROL ARM...

☐☐ [Illustration 72] 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 73] Tighten the four upper control arm bolts (2 per side). (151) [bolt 18mm, nut 21mm]

Illustration 72

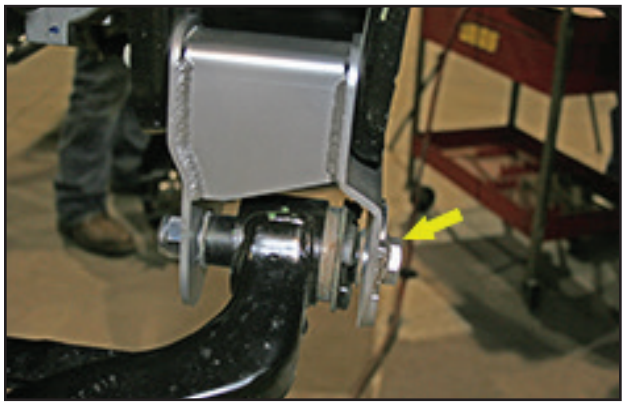
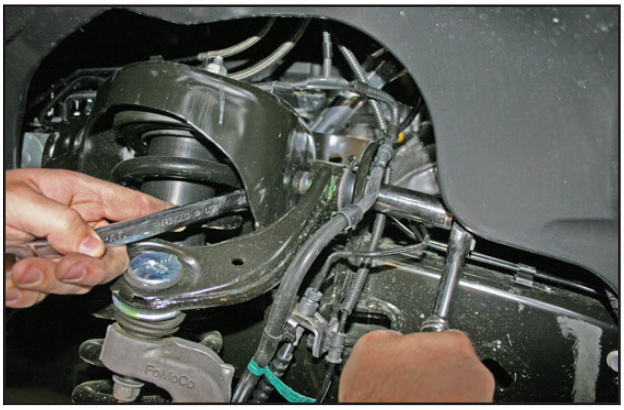


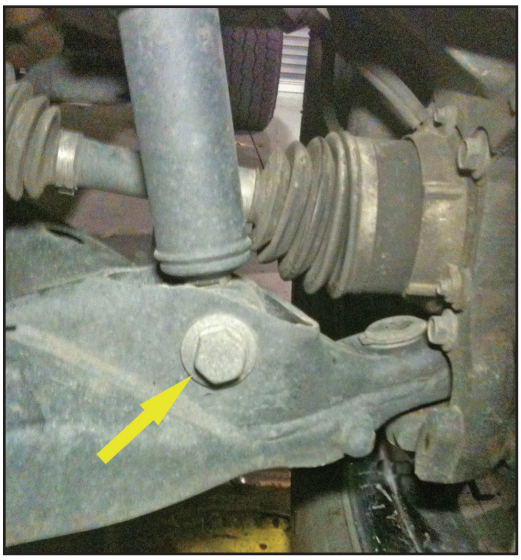
Illustration 73



47) LOWER STRUT BOLT..

☐☐ [Illustration 74] Tighten. (80) [bolt 27mm, nut 30mm]

Illustration 74



48) 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

49) RAISE REAR OF VEHICLE…

☐☐ Chock the front tires. Position a jack beneath the center of the rear axle of the vehicle. Raise rear of vehicle and place jack stands beneath the frame rails just forward of the rear springs’ front hangers. Ease the jack down until the frame is resting on the stands. Keep a slight load on the jack.

☐☐ Remove the rear tires.

50) EMERGENCY BRAKE...

☐☐ [Illustrations 75] Unclip the top emergency brake cable from the tensioner bracket and the frame mount. If the lower cable is retained with a wire bracket and bolt; remove. If the lower cable is retained by a plastic clip pressed into the factory bracket; remove, careful not to damage plastic clip.

☐☐ [Illustration 76 & 77] If the lower cable was retained by the wire bracket; bolt the new brake bracket (55-12-9922) to the frame reusing the factory bolt. (9) [10mm) Position the supplied 1/2" hardware in the top hole and tighten. (75) [3/4"]

☐☐ If the lower cable was retained by the plastic clip; bolt the new bracket (55-12-9922) to the frame using the supplied 1/2" hardware in the top hole of the new bracket. Use the bracket as a template and drill a 11/32" hole. Install the supplied 5/16" x 1" bolt, washers, and nyloc nut through the drilled hole and tighten. (18) [1/2"]

☐☐ [Illustration 78] Once the new bracket is in place, if equipped with the wire bracket, bolt it to the new bracket with the supplied 5/16" x 1" bolt, washers, and nyloc nut. If equipped with the plastic clip, snap clip into the new bracket.

☐☐ [Illustration 79 & 80] Install the top cable into the new bracket and reconnect the cable to the tensioner bracket.

Illustration 75

Illustration 76

Illustration 77

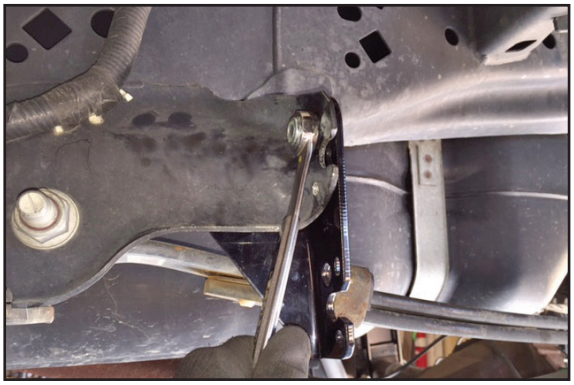


Illustration 78

Illustration 79

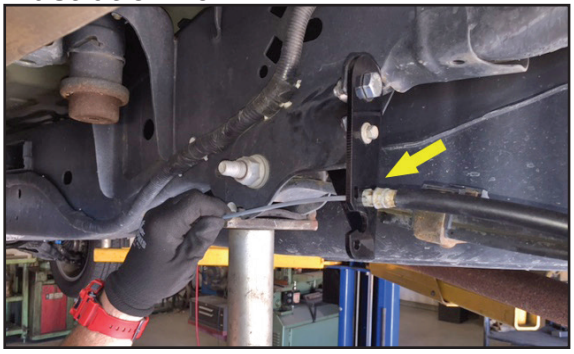
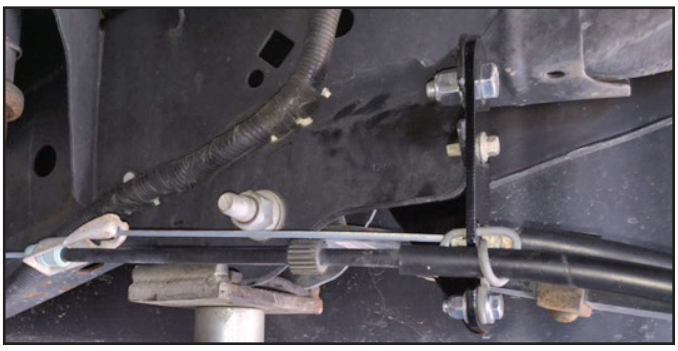


Illustration 80

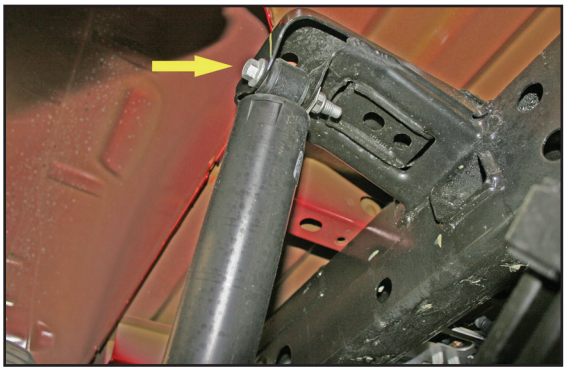


51) SHOCK ABSORBERS...

☐☐ [Illustration 81 & 82] Remove shock absorbers. Discard shocks. [bolt 15mm, nut 18mm]

Illustration 81

Illustration 82



52) BRAKE LINE BRACKET...

☐ Unbolt the rear brake hose bracket from the driver side frame rail. This bracket secures the connection between the metal brake lines and rubber hoses at the frame. [10mm]

53) AXLE VENT HOSE...

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

54) BUMP STOP...

☐☐ [Illustration 83] Remove the rear bump stops from the frame. [13mm]

55) UBOLTS AND BLOCKS…

☐☐ [Illustration 84] Remove ubolts and then lower the axle several inches away from springs. [21mm] Discard the ubolts and hardware. Maintain the lower ubolt plate.

☐☐ Clean spring pads of all debris.

Illustration 83

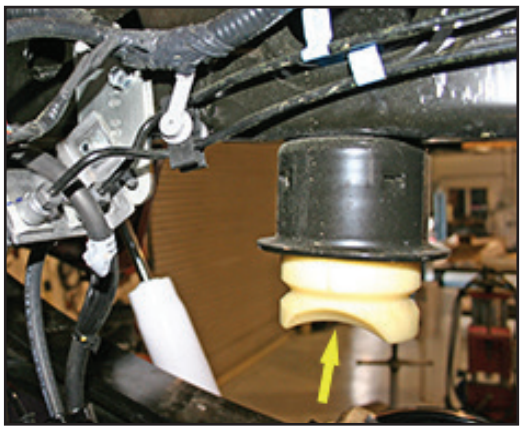
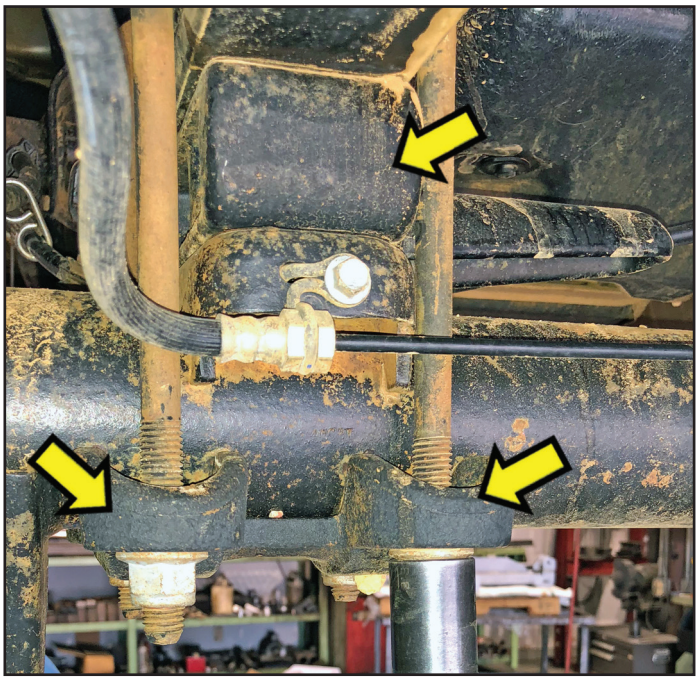


Illustration 84



REAR ASSEMBLY

56) LIFT BLOCKS AND UBOLTS...

FOR the 4.5" LIFT - Locate the SUPERLIFT (2) 55-30-9930 rear blocks. Locate the (4) #10342 - 9/16" x 3-5/16" x 10" square ubolts.

FOR the 6" LIFT - Locate the SUPERLIFT (2) 55-31-9930 rear blocks. Locate the (4) #10362 - 9/16" x 3-5/16" x 12" square ubolts.

Locate Hardware Bag #77-1509. Hardware PER Side: (4) 9/16" high nut, fine thread & (4) 9/16" ubolt washers.

☐☐ [Illustration 85] Position the appropriate SUPERLIFT block for the desired lift on top of the axle pad. **⚠NOTE:** The 'notched' edge of the block goes toward the 'front'.

☐☐ Using the floor jack(s), mate the springs to the blocks, be sure that the center bolt heads seat properly. Install the new SUPERLIFT 9/16" u-bolts, factory ubolt plate and supplied ubolt washers & high nuts. Evenly torque the ubolts using an "X" tightening sequence. (150) [7/8"]

Illustration 85

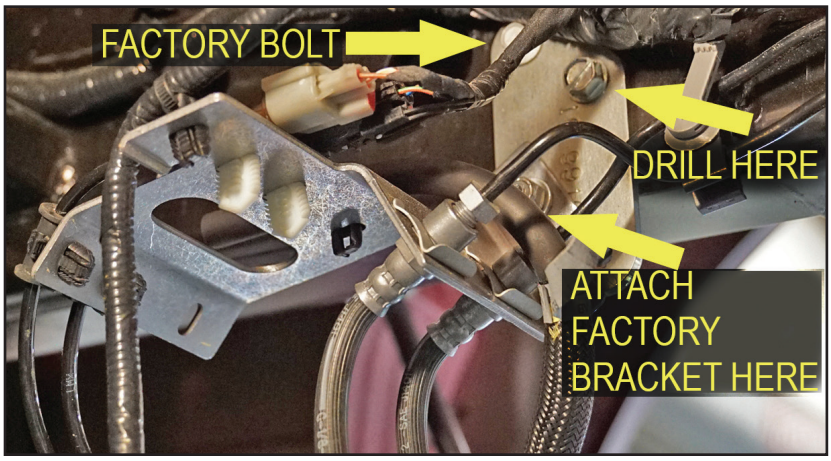
57) BRAKE LINE BRACKET...

☐☐ [Illustration 86] Install the new brake line extension bracket (55-16-9910) to the frame using the factory hardware. (26) [10mm]

☐☐ [Illustration 86] Use the bracket as a template to drill a 9/32" hole and install the 5/16"x1" self-tapping bolt. (13) [1/2"] Make sure the new hole is below and forward of the factory hole in the frame.

☐ [Illustration 86] Carefully bend brake lines to attach the factory brake line bracket to the new bracket using the supplied 5/16"x1" bolt, washer, and nut. (13) [1/2"] Do not kink the lines.

Illustration 86



58) AXLE VENT HOSE...

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

59) SHOCK ABSORBERS...

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

☐☐ [Illustration 87] 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 87

60) BUMP STOPS...

☐☐ [Illustration 88] 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]

61) TIRES / WHEELS...

☐☐ [Illustration 71] Reinstall tires and wheels. Tighten the lug nuts in the sequence shown. (151) [21mm]

Illustration 88

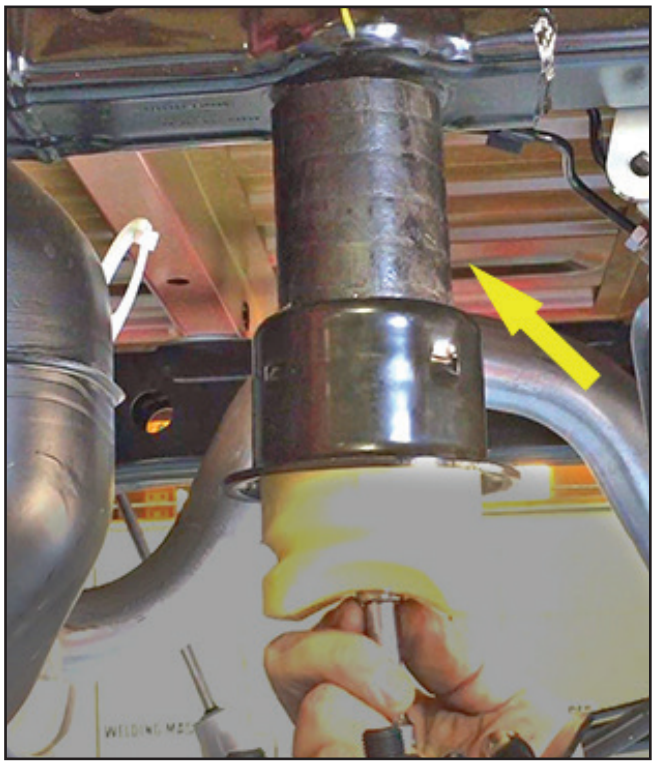
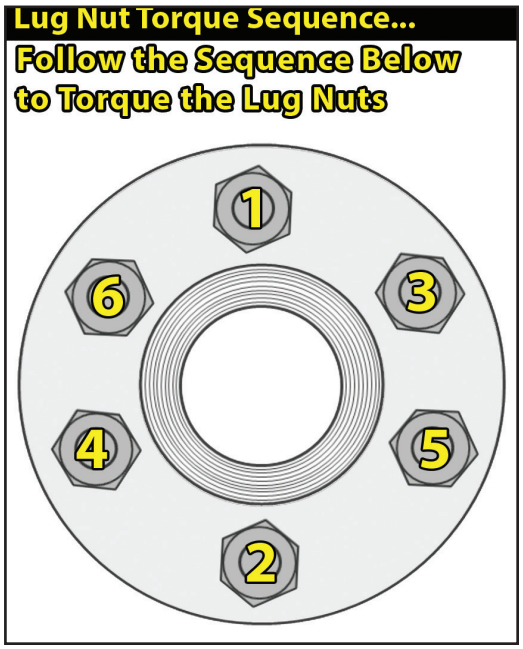


Illustration 71



⚠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.

62) CLEARANCE CHECK...

☐☐ Check all hardware for proper torque specifications.

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. Check tire/wheel clearance with the fenders/bumper as well as with the steering knuckle.

63) WHEEL ALIGNMENT...

☐ Realign vehicle to factory OEM specifications. It is necessary to have a proper and professional wheel alignment performed by a certified alignment technician. Align the vehicle to factory specifications. It is recommended that your vehicle alignment be checked after any off-road driving.

64) HEADLIGHTS...

☐☐ Re-adjust headlights to proper setting. In addition to your vehicle alignment, for your safety and others, it is necessary to check and adjust your vehicle head lamps for proper aim and alignment.

65) FOUR WHEEL DRIVE…

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

66) SUPERLIFT WARNING DECAL...

☐☐ Install the **WARNING TO DRIVER** decal on the inside of the windshield, or on the dash, within Driver's view.

IMPORTANT MAINTENANCE INFORMATION

⚠WARNING: 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 warranter 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 warrant-able, 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.

IMPORTANT PRODUCT USE AND SAFETY INFORMATION / WARNINGS

⚠WARNING: 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.

WE WANT TO SEE YOUR RIDE...

Grab photos of your SUPERLIFT Equipped truck in various poses and in action.

Email pictures to us at **sales@superlift.com**

Tag us on **Facebook: @superlift suspension systems**

Tag us on **Instagram: #superlift, #superliftsuspension, #superliftequipped**

THANKS For Choosing SUPERLIFT...

For questions, technical support and warranty issues relating to this SUPERLIFT products, please contact SUPERLIFT directly.

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