



2005-2020 TOYOTA TACOMA 4.5" and 6" Lift Kit



Engineered for Both 4WD & 2WD Models.

Fits 2005-2020 Toyota Tacoma 4WD & 2WD including TRD PRO

Does NOT Fit Models with 5-Lug Wheels.

Does NOT Fit T/X Baja Models.

Does NOT Fit XSP-X Models.

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


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

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.

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.

K KIT BREAKDOWN					
K250 (2005-2015 Models) 4.5" Lift Kit			K251 (2005-2015 Models) 6" Lift Kit		
Kit Part Number	Qty.	Part Description	Kit Part Number	Qty.	Part Description
8405	1	Kit Box: Front & Rear Crossmembers	8405	1	Kit Box: Front & Rear Crossmembers
8406	1	Kit Box: Bump Stops, Strut Spacers & Sway Bar	8406	1	Kit Box: Bump Stops, Strut Spacers & Sway Bar
8407	1	Kit Box: Lift Blocks & UBolts	8409	1	Kit Box: Lift Blocks, Ubolts & Pre-Load Spacers
8411	1	Kit Box: Belly Pan	8411	1	Kit Box: Rear Shocks & Belly Pan
8412	1	Kit Box: Knuckles	8412	1	Kit Box: Knuckles
84060	1	Kit Box: Rear Shocks	84060	1	Kit Box: Rear Shocks
K252 (2016-2020 Models) 4.5" Lift Kit			K253 (2016-2020 Models) 6" Lift Kit		
Kit Part Number	Qty.	Part Description	Kit Part Number	Qty.	Part Description
8406	1	Kit Box: Bump Stops, Strut Spacers, Sway Bar	8406	1	Kit Box: Bump Stops, Strut Spacers, Sway Bar
8407	1	Kit Box: Lift Blocks & UBolts	8409	1	Kit Box: Lift Blocks, Ubolts & Pre-Load Spacers
8410	1	Kit Box: Front & Rear Crossmembers	8410	1	Kit Box: Front & Rear Crossmembers
8411	1	Kit Box: Rear Shocks & Belly Pan	8411	1	Kit Box: Rear Shocks & Belly Pan
8412	1	Kit Box: Knuckles	8412	1	Kit Box: Knuckles
84060	1	Kit Box: Rear Shocks	84060	1	Kit Box: Rear Shocks
K254 (TRD-PRO 2016-2020 Models) 4.5" Lift Kit					
Kit Part Number	Qty.	Part Description			
8406	1	Kit Box: Bump Stops, Strut Spacers, Sway Bar			
8407	1	Kit Box: Lift Blocks & UBolts			
8410	1	Kit Box: Front & Rear Crossmembers			
8411	1	Kit Box: Rear Shocks & Belly Pan			
8412	1	Kit Box: Knuckles			
8414	1	Kit Box: Rear TRD PRO Shock Brackets			

KIT BOX BREAKDOWN					
Kit Part Number 8405					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-25-8405	1	Front Crossmember	77-8405A	1	Hardware Bag: Front Crossmember
55-06-8405	1	Rear Crossmember	77-8405B	1	Hardware Bag: Rear Crossmember
Kit Part Number 8406					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-11-8405	2	Front Bump Stop Bracket	77-8406C	1	Hardware Bag: Bump Stop Brackets
55-27-8405	2	Strut Spacers	77-8406D	1	Hardware Bag: Strut Spacer
55-12-8405	2	Front Sway Bar Bracket	77-8406E	1	Hardware Bag: Rear Brake Line Bracket & Skid Plate Spacers
77-8406A	1	Hardware Bag: Front Brake Line Brackets	77-8406F	1	Hardware Bag: Rear Brake Line Brackets
77-8406B	1	Hardware Bag: Front Brake Line Brackets	77-8406G	1	Hardware Bag: Sway Bar Brackets
Kit Part Number 8407					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-02-202	2	Rear Lift Block - (4.5" Lift)	77-1509	1	Hardware Bag: UBolt Nuts & Washers
10482	4	UBolt, 9/16" x 2-1/2" x 11" Square			
Kit Part Number 8409					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-04-202	2	Lift Block - Rear (6" Lift)	77-1509	1	Hardware Bag: UBolt Nuts & Washers
10522	4	Ubolt: 9/16" x 2-1/2" x 13" Square	55-04-8405	2	Pre-Load Spacers (6" Lift)
Kit Part Number 8410					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-25-8410	1	Front Crossmember	77-8410A	1	Hardware Bag: Front Crossmember
55-06-8410	1	Rear Crossmember	77-8410B	1	Hardware Bag: Rear Crossmember
Kit Part Number 8411					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-07-8405	1	Belly Pan Bracket	77-8411B	1	Hardware Bag: Belly Pan
55-18-8405	1	Belly Pan	77-F470L	1	Hardware Bag: Thread Locker
77-8411A	1	Hardware Bag: Carrier Bearing Spacers			
Kit Part Number 8412					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
66-01-8405	1	Driver Side Knuckle	66-02-8405	1	Passenger Side Knuckle
Kit Part Number 8414					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
55-08-8410	1	Rear Driver Side TRD-PRO Shock Bracket	77-8414	1	Hardware Bag: TRD-PRO Shock Brackets
55-09-8410	1	Rear Passenger Side TRD-PRO Shock Bracket			
Kit Part Number 84060					
Part Number	Qty.	Part Description	Part Number	Qty.	Part Description
01-85310	2	Rear SUPERLIFT SHADOW Shock Absorber	77-8413	1	Hardware Bag: Shock Bushings & Sleeves

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

Read And Understand All Instructions And Warnings Prior To Installation Of System AND Operation Of Vehicle.

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:

- Stock factory 17" wheels will NOT fit back on the vehicle once this suspension system is installed.
- Do NOT install this suspension system in conjunction with any other type of aftermarket or fabricated components to gain additional suspension height.
- Do not fabricate any components to gain additional suspension height.
- Prior to drilling and/or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. Prep all cutting surfaces by removing all debris and frame coatings.
- After drilling and/or cutting, file smooth any burrs and sharp edges.
- Prior to operating a torch or saw, protect any heat-sensitive components located in the immediate area by covering them with a water-saturated cloth. Most undercoating are flammable but can be extinguished using a water-filled spray bottle. Have a spray bottle and an ABC rated fire extinguisher on hand.
- Paint or undercoat all exposed metal surfaces.
- Prior to attaching components, be sure all mating surfaces are free of grit, grime, grease, undercoating, etc.
- Front end alignment is necessary.
- Tool and Wrench/Socket size is given in brackets [] after each appropriate step.
- A foot-pound torque reading is given in parenthesis () after each appropriate fastener.
- Always wear safety glasses when using power tools.
- 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.

ANY larger or wider tire & wheel combination other than listed will require vehicle trimming.

⚠️NOTE: **ALL tire & wheel combinations should be test fit prior to installation. Some minor trimming may be required.** This is normal with most aftermarket tire/wheel fitments on today’s trucks. Trimming will normally include the bottom edge of the inner fender shrouds and/or lower corner of front bumper valance. As a rule of thumb, deeper backspacing and shorter/narrower tires will reduce/eliminate trimming required.

4.5 Inch Lift Height TIRE SIZE SPECIFICATIONS			
Tire Size	Wheel	Backspacing (INCH)	Offset (MM)
275/65 R 18	18 x 9	4.50 - 5.00	0mm -12mm
265/70 R 18	18 x 9	4.50 - 5.00	0mm -12mm
275/55 R 20	20 x 9	4.50 - 5.00	0mm -12mm
265/60 R 20	20 x 9	4.50 - 5.00	0mm -12mm

6 Inch Lift Height TIRE SIZE SPECIFICATIONS			
Tire Size	Wheel	Backspacing (INCH)	Offset (MM)
33 x 12.50 R 18	18 x 9	4.50 - 5.00	0mm -12mm
325/60 R 18	18 x 9	4.50 - 5.00	0mm -12mm
33 x 12.50 R 20	20 x 9	4.50 - 5.00	0mm -12mm
305/55 R 20	20 x 9	4.50 - 5.00	0mm -12mm

Tools			
Miscellaneous Tools		Wrench / Socket Sizes	
Floor Jacks	Jack Stands	Standard	Metric
Adjustable Pliers		1/2"	8mm 19mm
Torque Wrench		9/16"	10mm 21mm
Flathead Screwdriver		5/8"	13mm 22mm
Ball Peen Hammer		3/4"	15mm 24mm
Drill with 3/8" & 1/2" Drill Bits		13/16"	18mm
Plastic Fastener Removal Tool		7/8"	
Tie Rod Puller Tool		1-1/4"	6mm Allen

Torque Specifications					
STANDARD			METRIC		
Size	Grade 5	Grade 8	Size	Grade 8.8	Grade 10.9
5/16"	15 ft/lbs.	20 ft/lbs.	6mm	7 ft/lbs.	10 ft/lbs.
3/8"	30 ft/lbs.	35 ft/lbs.	8mm	17 ft/lbs.	24 ft/lbs.
7/16"	45 ft/lbs.	60 ft/lbs.	10mm	33 ft/lbs.	47 ft/lbs.
1/2"	65 ft/lbs.	90 ft/lbs.	12mm	59 ft/lbs.	83 ft/lbs.
9/16"	95 ft/lbs.	130 ft/lbs.	14mm	101 ft/lbs.	131 ft/lbs.
5/8"	135 ft/lbs.	175 ft/lbs.	16mm	146 ft/lbs.	202 ft/lbs.
3/4"	185 ft/lbs.	280 ft/lbs.	18mm	201ft/lbs.	283 ft/lbs.

STEP	PART NUMBER	QTY. PER KIT	DESCRIPTION	NEW ATTACHING HARDWARE	QTY. PER BRACKET	HARDWARE BAG NUMBER
16	55-25-8405 (2005-2015 Models)	1	Crossmember, Front	3/4" x 5" Bolt, Coarse Thread	2	77-8405A
				3/4" SAE Washer	4	
				3/4" Nyloc Nut, Coarse Thread	2	
				9/16" x 2-3/4" Bolt, Coarse Thread	2	
				9/16" SAE Washer	4	
				9/16" Nyloc Nut, Coarse Thread	2	
				#55-29-8405 - Lockout Washer	4	
OR						
16	55-25-8410 (2016-2020 Models)	1	Crossmember, Front	22mm x 130mm Bolt, 2.5 Pitch	2	77-8410A
				22mm Flat Washer	4	
				22mm Nyloc Nut, 2.5 Pitch	2	
				9/16" x 2-3/4" Bolt, Coarse Thread	2	
				9/16" SAE Washer	4	
				9/16" Nyloc Nut, Coarse Thread	2	
				#55-07-8410 - Lockout Washer	4	
OR						
18	55-06-8405 (2005-2015 Models)	1	Crossmember, Rear	9/16" x 5-1/2" Bolt, Coarse Thread	2	77-8405B
				9/16 SAE Washer	4	
				9/16" Nyloc Nut, Coarse Thread	2	
				1/2" USS Washer	2	
				12mm Nyloc Nut, 1.25 Pitch	1	
				12mm Flat Washer	1	
				#55-29-8405 - Lockout Washer	4	
OR						
18	55-06-8410 (2016-2020 Models)	1	Crossmember, Rear	16mm x 140mm Bolt, 2.0 Pitch	2	77-8410B
				16mm Flat Washer	4	
				16mm Nyloc Nut, 2.0 Pitch	2	
				9/16" USS Washer	2	
				12mm Nyloc Nut, 1.25 Pitch	1	
				12mm Flat Washer	1	
				5/8" Thick Washer	4	
OR						
23	55-07-8405 55-18-8405	1 1	Belly Pan Bracket Belly Pan			77-8411B
				3/8" x 1" Carriage Bolt	4	
				3/8" Flange Nut	4	
24	55-04-8405	2	Pre-Load Spacers (6" Lift)			
25	55-27-8405	2	Strut Spacers (4.5" & 6" Lift)	10mm Flange Nut	6	77-8406D
26	55-17-8405	2	Steering Stop, Front			77-8406E
27	66-01-8405	1	Knuckle, Driver	Thread Locker	1	77-F470L
27	66-02-8405	1	Knuckle, Passenger	Thread Locker	1	77-F470L
28	55-11-8405	2	Bump Stop Bracket, Front	10mm x 25mm Bolt, 1.25 Pitch	1	77-8406C
				10mm x 25mm Bolt, 1.5 Pitch	1	
				10mm Nyloc Nut, 1.25 Pitch	1	
				10mm Flange Nut, 1.5 Pitch	1	
				10mm Flat Washer	2	

STEP	PART NUMBER	QTY. PER KIT	DESCRIPTION	NEW ATTACHING HARDWARE	QTY. PER BRACKET	HARDWARE BAG NUMBER
29	55-19-8405	1	Brake Line Bracket, Front Driver	5/16" x 1" Bolt, Coarse Thread	1	77-8406A
				5/16" SAE Washer	2	
				5/16" Nyloc Nut, Coarse Thread	1	
29	55-20-8405	1	Brake Line Bracket, Front Passenger	5/16" x 1" Bolt, Coarse Thread	1	77-8406A
				5/16" SAE Washer	2	
				5/16" Nyloc Nut, Coarse Thread	1	
32	55-12-8405	2	Sway Bar Bracket, Front	10mm x 30mm Bolt, 1.25 Pitch	4	77-8406G
				10mm Flange Nut, 1.25 Pitch	2	
				10mm Flat Washer	2	
38	55-02-202	2	Lift Block, Rear (4.5" Lift)	#10482 - 9/16" x 2-1/2" x 11" UBolt, Square	2	77-1509
				9/16 Washer, UBolt	4	
				9/16 Nut, UBolt	4	
OR						
38	55-04-202	2	Lift Block, Rear (6" Lift)	#10522 - 9/16" x 2-1/2" x 13" UBolt, Square	2	77-1509
				9/16 Washer, UBolt	4	
				9/16 Nut, UBolt	4	
39	55-14-8405	1	Brake Line Bracket, Rear Axle	5/16" x 1" Bolt, Coarse Thread	1	77-8406F
				5/16" SAE Washer	2	
				5/16" Nyloc Nut, Coarse Thread	1	
39	55-21-8405	2	Brake Line Bracket, Rear Emergency Driver	1/4" x 3/4" Bolt, Coarse Thread	1	77-8406F
				1/4" SAE Washer	2	
				1/4" Nyloc Nut, Coarse Thread	1	
				5/16" x 1" Bolt, Coarse Thread	1	
				5/16" SAE Washer	1	
				5/16" Nyloc Nut, Coarse Thread	1	
39	55-22-8405	2	Brake Line Bracket, Rear Emergency Passenger	1/4" x 3/4" Bolt, Coarse Thread	1	77-8406F
				1/4" SAE Washer	2	
				1/4" Nyloc Nut, Coarse Thread	1	
				5/16" x 1" Bolt, Coarse Thread	1	
				5/16" SAE Washer	1	
				5/16" Nyloc Nut, Coarse Thread	1	
40	01-85310	2	Shock Absorber, Rear	#01-60455 - Sleeve, Shock Eye	2	77-8413
				#01-60416 - Bushing, Shock Eye	2	
				#145098 - Washer Pack, Shock Stem	2	
				#02-60410 - Bushing, Shock Stem	4	
				3/8" Nut, Fine Thread	2	
TRD PRO						
41	55-08-8410	1	TRD-PRO Shock Bracket - Rear - Driver Side	5/8" x 1-1/4" Bolt, Coarse Thread	1	77-8414
				55-09-8410	1	
	5/8" Nyloc Nut, Coarse Thread	1				
	3/8" x 1-1/4" Bolt, Coarse Thread	2				
	3/8" SAE Washer	4				
				3/8" Nyloc Nut, Coarse Thread	2	
42	55-15-8405	2	Carrier Bearing Spacer (5/8" Thick)	10mm x 50mm Bolt, 1.25 Pitch	2	77-8411A
				10mm Flat Washer	2	
43	55-16-8405	3	Skid Plate Spacer			77-8406E

FRONT DISASSEMBLY AND INSTALLATION

Save ALL factory components and hardware for reuse, unless noted.

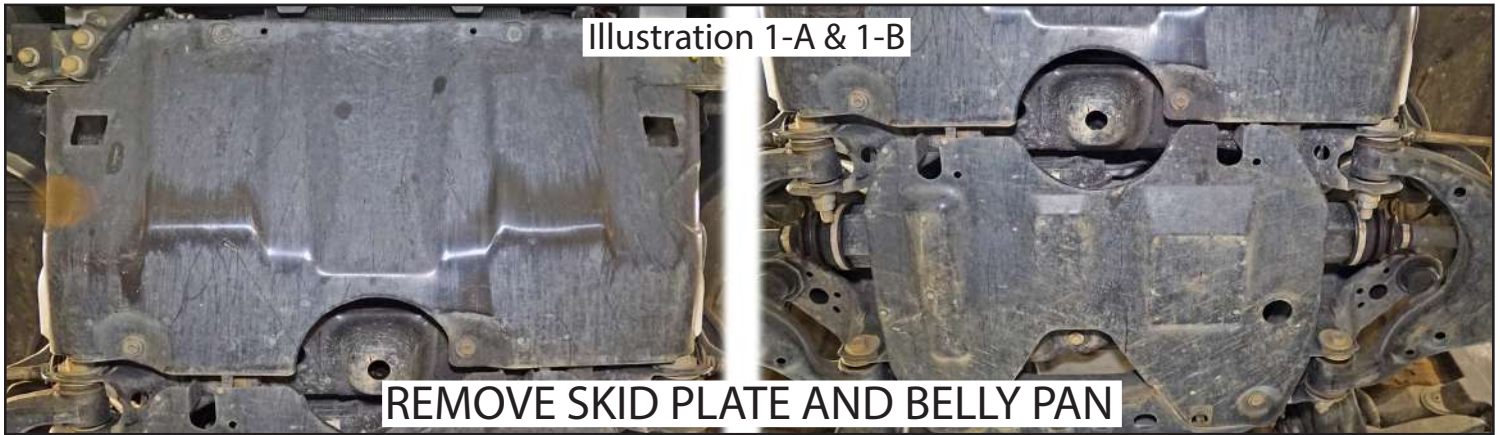
1. PREPARE VEHICLE FOR FRONT...

Disconnect the battery.

Chock rear tires and place transmission in neutral. Raise the front of vehicle with a jack and secure a jack stand beneath each frame rail. Ease the frame down onto the stands, place transmission in low gear for Manual Transmission or Park for Automatic. Remove the front wheels & tires. [Lug Nuts 21mm | 22mm]

2. REMOVE FRONT & REAR FACTORY SKID PLATES/BELLY PAN (4WD ONLY; 2WD SKIP TO STEP 4)

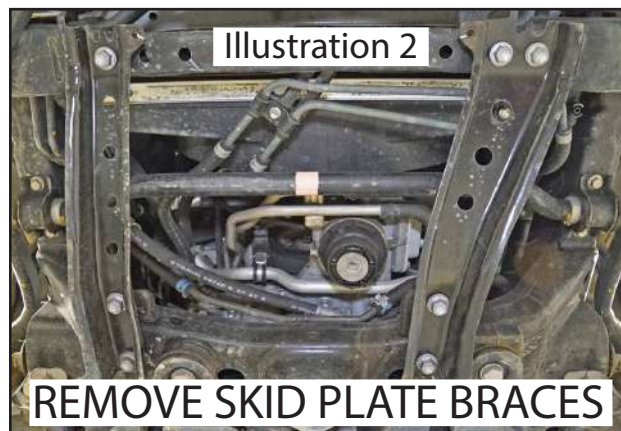
[Illustration 1-A & 1-B] If equipped, remove the front and rear factory skid plates. On the front skid plate, remove the (4) factory bolts. On the rear skid plate, remove the (4) factory bolts. [12mm] Discard both factory skid plates and hardware.



3. REMOVE FRONT SKID PLATE BRACES...

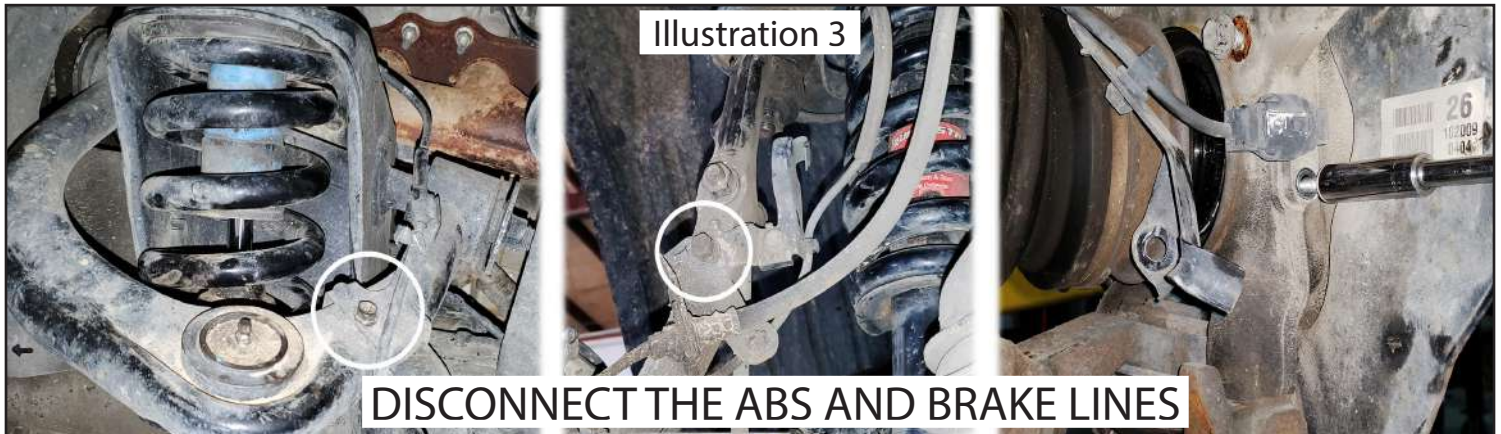
[Illustration 2] Remove the (2) front skid plate braces. [17mm] Front mounts: (2) bolts on the Driver side & (1) Bolt on the Passenger side. Rear mounts: (2) bolts per side.

NOTE: Toyota Tacoma year models have various skid plate brace designs. Yours may look different from the photo, but the removal is similar.



4. DISCONNECT ABS & BRAKE LINES FROM KNUCKLE...

[Illustration 3] Disconnect ABS bracket from the top of the Upper Control Arm. [10mm] Disconnect ABS/brake line bracket from the knuckle. [10mm]

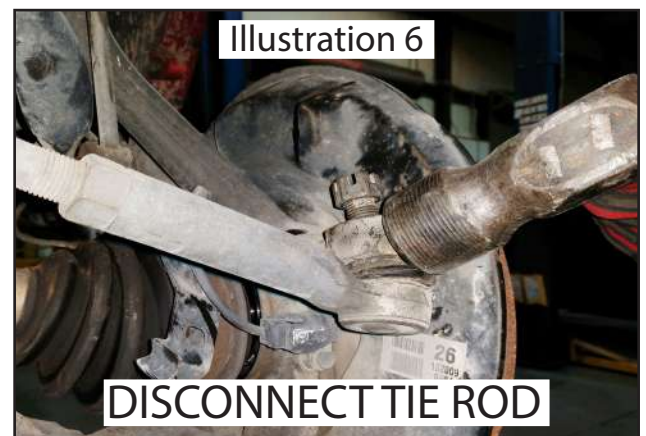
**5. REMOVING THE AXLE NUT (4WD ONLY; 2WD MOVE TO NEXT STEP)...**

[Illustration 4] Remove the dust cap using a flat head screw driver or a small chisel and remove the axle nut. [35mm].

6. DISCONNECT TIE ROD END...

[Illustration 5] Remove the tie rod cotter pin & nut. [19mm] Reinstall the nut a couple of turns by hand.

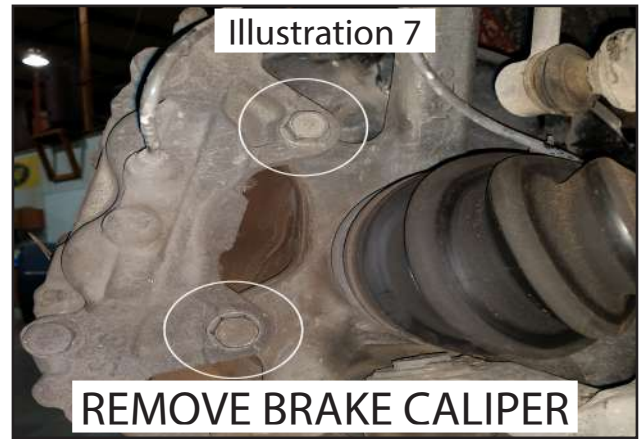
[Illustration 6] Use a Tie Rod Puller to separate the tie rod from the knuckle. If you do not have a puller, you can use the method of striking the knuckle near the tie rod end to dislodge the knuckle. Strike the knuckle portion only. Remove the tie rod nut and save for re-install.



7. REMOVE BRAKE CALIPER...

[Illustration 7] Remove the two brake caliper bolts and hang the caliper out of the way. [17mm] DO NOT LET THE CALIPER HANG FROM BRAKE HOSE.

Remove the brake rotor.

**8. REMOVE SWAY BAR...**

[Illustration 8] Disconnect the sway bar end link from the steering knuckle. [17mm] Retain factory hardware. If the sway bar link bolt spins, use an Allen wrench to hold the bolt.

[Illustration 9] Disconnect the sway bar from the frame on both driver and passenger sides and remove sway bar from vehicle. [14mm]

**9. DISCONNECT UPPER BALL JOINT FROM KNUCKLE...**

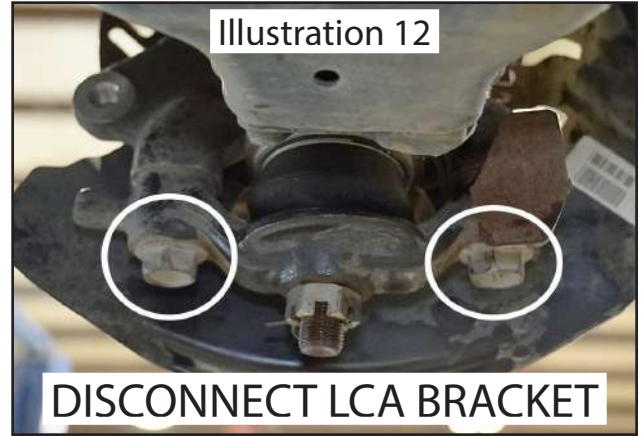
[Illustration 10] Using a jack, slightly lift the lower control arm to prevent the arms from being at full droop. At the top of the knuckle, remove cotter pin and pull down on upper control arm to remove the ball joint nut. [19mm]

[Illustration 11] 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 joint.



10. DISCONNECT LOWER BALL JOINT BRACKET...

[Illustration 12] Remove the lower ball joint bracket bolts from knuckle, then remove knuckle from vehicle. [19mm]
Do not remove bracket from the lower control arm.

**11. REMOVE STRUT...**

[Illustration 13] Remove the (3) upper strut nuts. [14mm]
NOTE: Before you remove the strut, 'Mark' the Alignment of the Coil, Top Mount & Isolator. Also mark 'DR.' & 'PA.' Side.

[Illustration 14] Remove bolt from bottom of strut at the lower control arm. [19mm] Retain hardware. Remove the strut from the vehicle.

**12. REMOVE LOWER CONTROL ARMS...**

[Illustration 15] Remove the (2) bolts retaining the lower control arm to the frame and remove from vehicle. [19mm]

13. DISCONNECT FRONT DRIVESHAFT...

[Illustration 16] Mark the driveshaft location on the driveshaft flange and differential flange. Remove the (4) bolts from the driveshaft axle flange. [14mm] Tie driveshaft up out of the way.



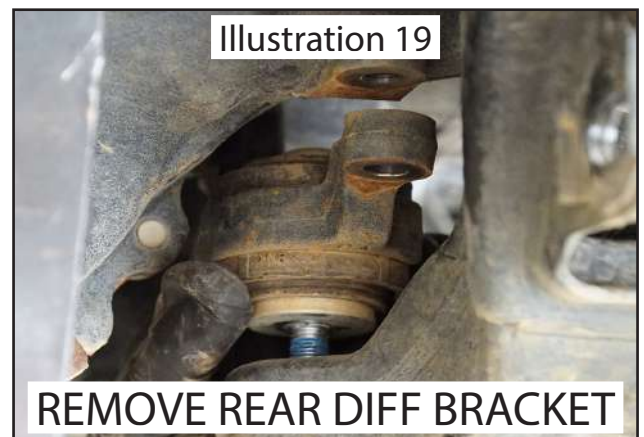
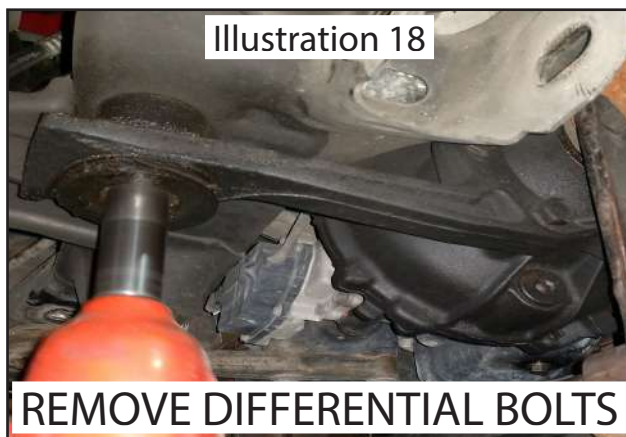
14. REMOVE DIFFERENTIAL...

[Illustration 17] Unplug the vent hoses and electrical connections from the differential. Support the differential with jack.

[Illustration 18] Remove the front differential bolts from the driver and passenger sides. [19mm].

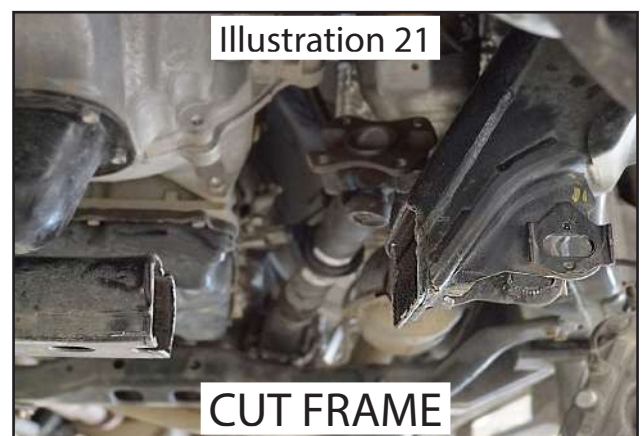
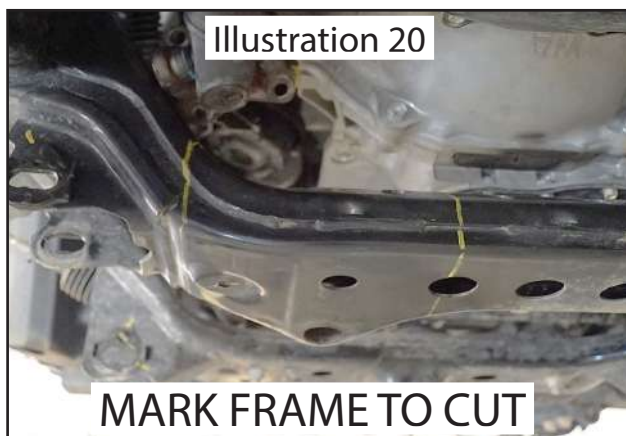
[Illustration 19] Remove the rear differential bolts to remove bracket from differential and frame. [19mm, 12mm Allen]

Lower differential from vehicle.

**15. CUTTING REAR CROSSMEMBER...**

[Illustration 20] On the front flange of the driver side rear lower control arm pocket, measure from the front inside edge of the slot and mark a vertical line at 3-1/2" and 12". Repeat this on the rear flange. Draw a line across the top and bottom of the pocket connecting the vertical lines.

[Illustration 21] Cut along both lines and remove the cut section of the crossmember. Grind the edges smooth and paint the exposed metal.

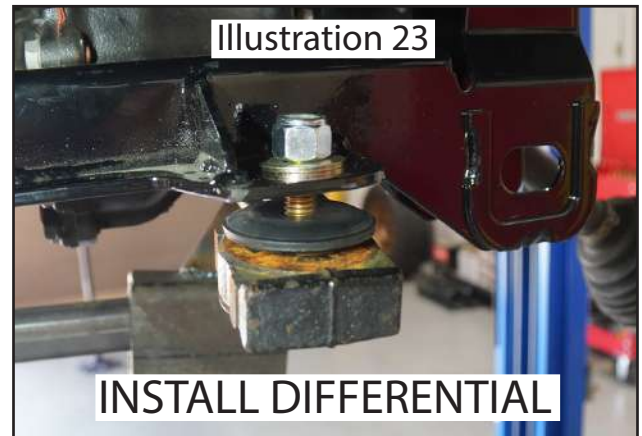
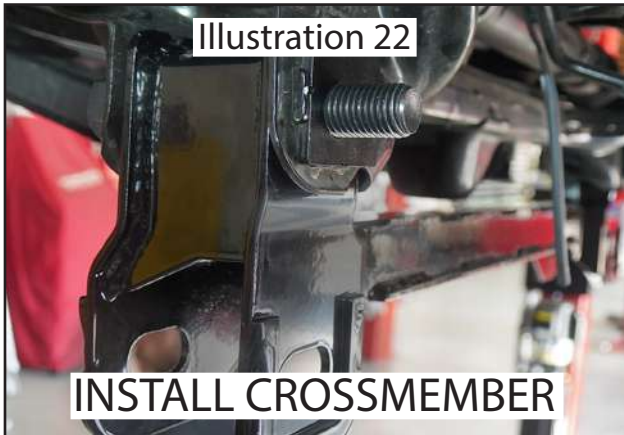


16. INSTALL FRONT CROSSMEMBER...

[Illustration 22] Install the new front crossmember (2005-15 = 55-25-8405 / 2016-UP = 55-25-8410) into the frame using the supplied 3/4" x 5" bolts for 2005-15 models and 22mm x 130mm for 2016-up models, lockout washers (2005-15 = 55-29-8405/ 2016-UP = 55-07-8410), and nyloc nuts. The lockout washers are intended to push the bolt to the outside of the factory slot. There are notches in the washer on two sides. The two notches go down and the one notch goes to the outside. Do not tighten at this time.

17. INSTALL DIFFERENTIAL...

[Illustration 23] Install the front differential and attach front mounts using the supplied 9/16" x 2-3/4" bolts, washers, and nyloc nuts. Do not tighten at this time.

**18. INSTALL REAR CROSSMEMBER...**

[Illustration 24] Install the rear differential bracket using the factory hardware and the supplied thread locker.

[Illustration 25] Install the new rear crossmember (2005-15 = 55-06-8405 / 2016-UP = 55-06-8410) into the frame using the supplied 9/16" x 5-1/2" bolts for 2005-15 models and 16mm x 140mm for 2016-up models, lockout washers (2005-15 = 55-29-8405 / 2016-UP = 58UW), and nyloc nuts. The lockout washers are intended to push the bolt to the outside of the factory slot. There are notches in the washer on two sides. The two notches go down and the one notch goes to the outside. Do not tighten at this time.

[Illustration 26] Lower the differential onto the rear crossmember and attach using the supplied 12mm nyloc nut, washer and supplied thread locker. Do not tighten at this time.



19. LOWER CONTROL ARMS...

[Illustration 27] Install the lower control arms into the new crossmembers using the factory cam bolts. Do not tighten at this time.

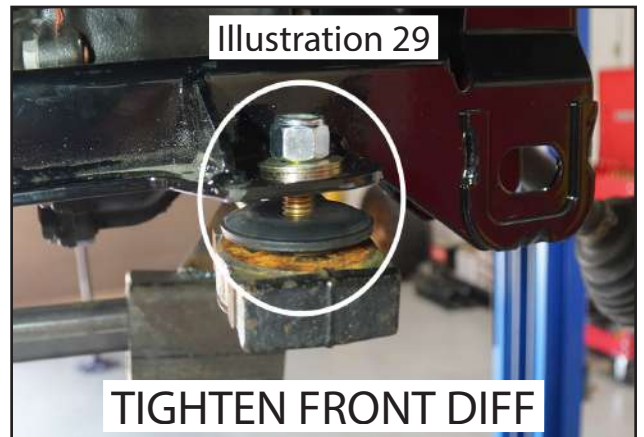
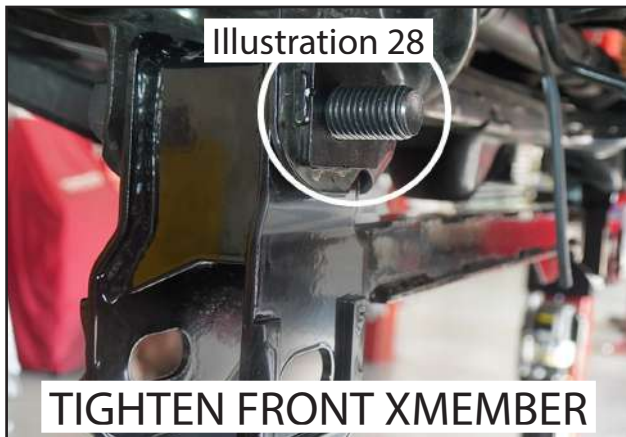
20. TIGHTENING SEQUENCE...

[Illustration 28] Front crossmember to frame. (200)

[Illustration 29] Front differential to front crossmember. (130)

[Illustration 30] Front differential to rear crossmember. (60)

[Illustration 31] Rear crossmember to frame. (130)

**21. DIFFERENTIAL ELECTRICAL PLUGS AND VENT...**

Reconnect the differential electrical plugs.

[Illustration 32] Insert the supplied vent hose adapter (16-9690) to the differential vent hose then attach the new supplied vent hose (17-9690) to the adapter and connect to the differential.



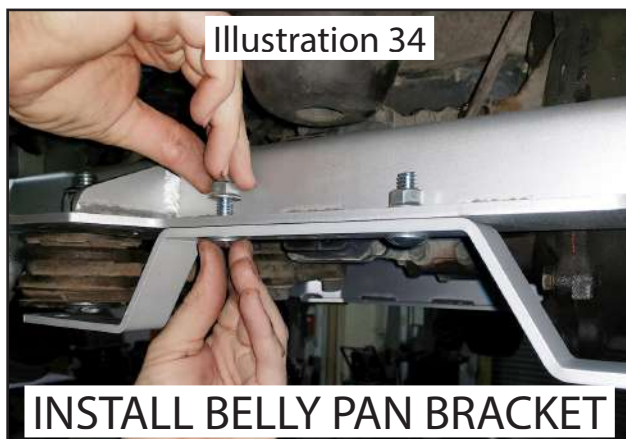
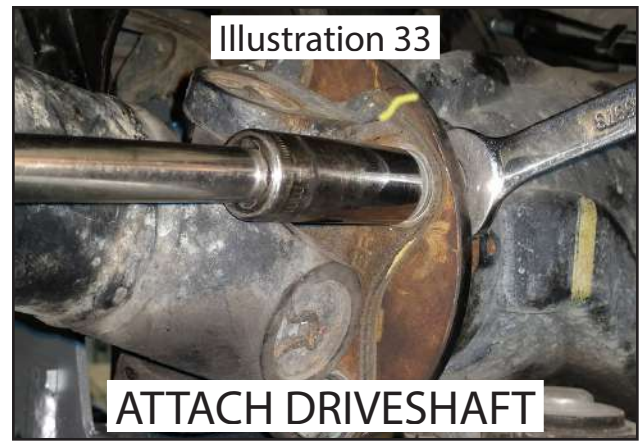
22. FRONT DRIVESHAFT...

[Illustration 33] Apply thread locker to the factory driveshaft hardware and reattach the front driveshaft. Make sure to realign the alignment marks made during removal. [14mm] (45)

23. FRONT BELLY PAN BRACKET AND BELLY PAN...

[Illustration 34] Install the belly pan bracket (55-07-8405) to the front crossmember using the supplied 3/8" x 1" carriage bolts and flange nuts. [9/16"] (30)

[Illustration 35] Install the belly pan (55-18-8405) to the belly pan bracket and the rear crossmember using the supplied 3/8" x 1" carriage bolts and flange nuts. [9/16"] (30)

**24. PRELOAD STRUT SPACER (ONLY FOR 6" KIT MOVE TO NEXT STEP IF INSTALLING 4.5" KIT)...**

[Illustration 36] Using a coil compressor, compress the coil and remove the top strut nut. [19mm, 8mm] Separate the upper strut plate from the coil. Remove the factory rubber spring seat.

Place the factory rubber spring seat onto the new strut preload spacer (55-04-8405), then place onto the coil.

NOTE: Keep the marks in-line when reassembling.

With the shock aligned properly, reinstall the factory bushing, washer, and nut onto the shaft. Tighten.

25. STRUT SPACER...

[Illustration 37] Attach the supplied 10mm carriage bolts to the new strut spacer (55-27-8405) using the push nuts. The carriage bolts must be placed into the end of the spacer with square holes. Attach the new strut spacer to the factory strut using the factory hardware.

Install the strut assembly into the frame and secure using the supplied 10mm flange nuts. Do not tighten at this time.

[Illustration 38] Swing the lower control arm into position and attach to the strut using the factory hardware. Do not tighten at this time, it will be tightened once the vehicle is on the ground.

Tighten the top (3) nuts securing the strut to the frame. (35)

**26. STEERING STOPS...**

[Illustration 39] Clamp the new steering stops (55-17-8405) to the lower ball joint bracket in the factory steering stop location. Weld a bead across the top and bottom of the stop. Be careful not to get weld splatter on any of the other components. Paint all raw areas once complete.



27. KNUCKLE...

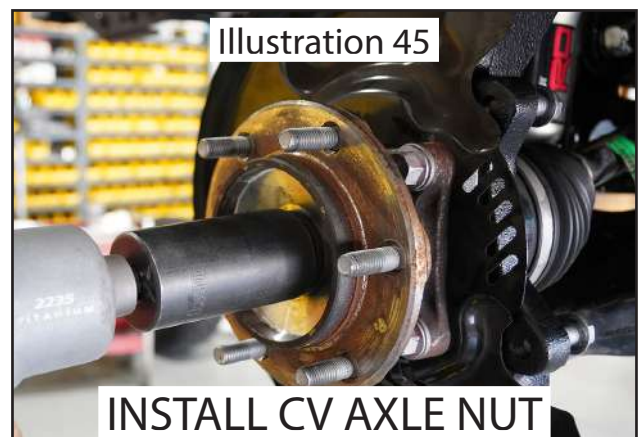
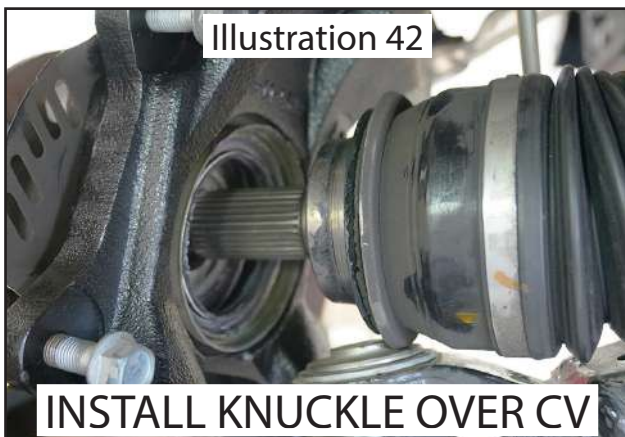
[Illustration 40] Remove the hub assembly and dust shield from the factory knuckle and install on the new knuckle (driver = 66-01-8405 / passenger = 66-02-8405) using the factory hardware and supplied thread locker. (60)

[Illustration 41] Remove the inner seal and install on the new knuckle. Be careful and do not bend the seal.

[Illustration 42 & 43] Install the knuckle and secure using the factory hardware. Start by sliding the axle through the hub then connecting the upper ball joint to the knuckle. (81)

[Illustration 44] Attach lower ball joint bracket to knuckle using the factory bolts and supplied thread locker. (118)

[Illustration 45] Install axle nut and tighten. [35mm] (173) Reinstall axle dust cover.



28. BUMP STOP BRACKETS...

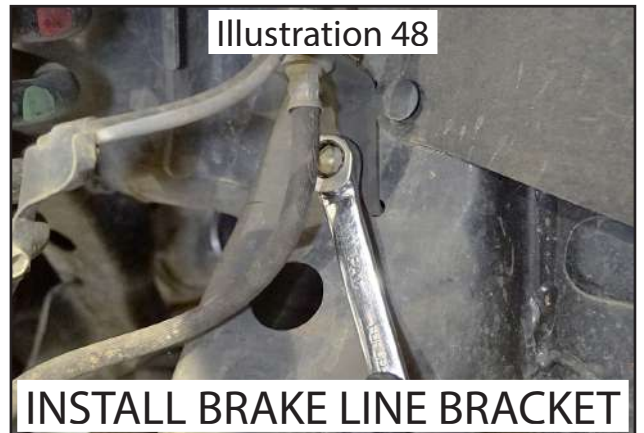
[Illustration 46] Remove the factory bump stop from the frame. [large adjustable pliers]

[Illustration 47] Install new bump stop bracket (55-11-8405) on frame using the supplied 10mm x 1.25 x 25mm in the outer most threaded hole. (35) Use the supplied 10mm x 1.5 x 25mm in the inner hole with the flange nut. (35)

Attach the factory bump stop to the new bracket with the supplied 10 mm nyloc. (35)

**29. BRAKE LINE BRACKETS...**

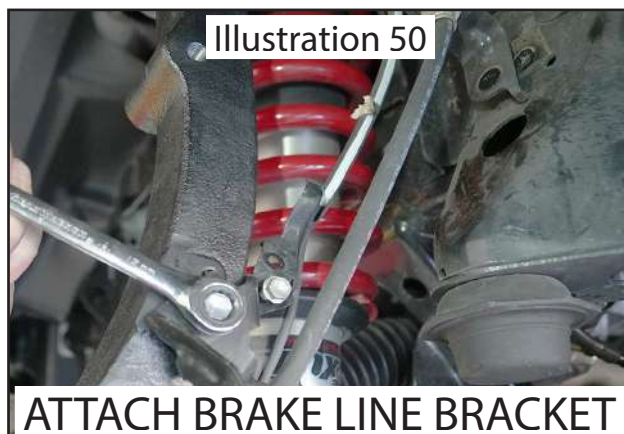
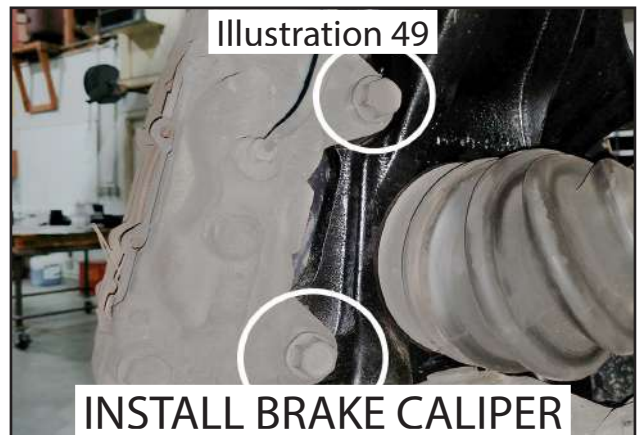
[Illustration 48] Unbolt the brake line bracket from the frame. [12mm] Install the new brake line bracket (driver = 55-19-8405 / passenger = 55-20-8405) to the frame using the supplied hardware. (15) Attach the factory brake line bracket to the new bracket using the supplied 5/16" x 1" bolt, washers, and nyloc nuts. (15)

**30. BRAKE CALIPER AND BRACKETS...**

[Illustration 49] Install the brake rotor and the brake caliper using the factory hardware and supplied thread locker. (80)

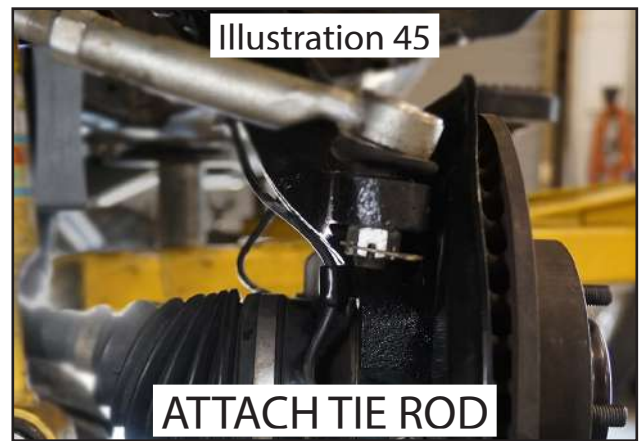
[Illustration 50] Attach the brake line brackets to the knuckle using the factory hardware.

[Illustration 51] Remove the ABS wire brackets and secure the ABS wire to the knuckle using the supplied adel clamps and factory hardware. Attach ABS sensor to knuckle.



31. TIE ROD...

[Illustration 45] Attach the tie rod to the knuckle using the factory hardware. Tie rod now connects from the top down. (41)

**32. SWAY BAR...**

[Illustration 46] Locate (8) 10mm x 1.25 x 30mm bolts and the new sway bar relocation brackets (55-12-8405). Insert (2) bolts into the slot of each bracket so that the head of the bolts are recessed into the bracket. Attach the bracket to the frame using (2) bolts. (35) The bracket installs so that it offsets the sway bar to the front.

[Illustration 47] Reattach the sway bar link to the knuckle using the factory hardware. (50)

**33. FRONT TIRES / WHEELS AND FRONT CLEARANCE CHECK...**

Install the front tires & wheels.

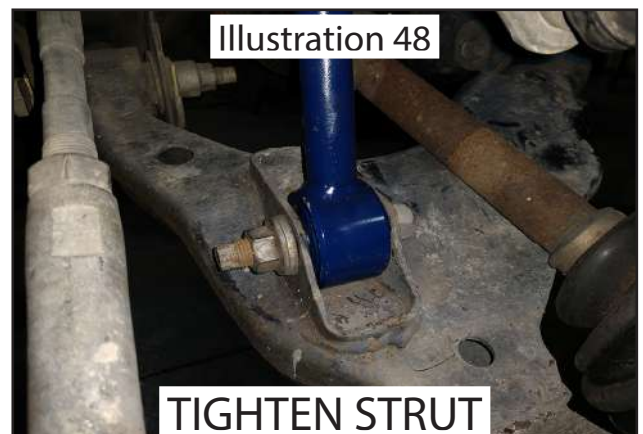
With the suspension 'hanging' at full extension travel, cycle the steering lock-to-lock and check all components for proper operation and clearances. Pay special attention to the clearance between the tires / wheels and knuckles, brake hoses, wiring, etc.

Lower the vehicle to the ground. Reconnect the battery.

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. NOTE: Re-tighten 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.

34. LOWER STRUT MOUNT...

[Illustration 48] Tighten the lower strut mount. (61)



REAR DISASSEMBLY AND INSTALLATION

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

35. PREPARE VEHICLE FOR REAR...

Chock front tires and place transmission in neutral. Raise the rear of vehicle with a jack and secure a jack stand beneath each frame rail, just ahead of the front leaf spring hangers. Ease the frame down onto the stands, place transmission 'Park'. Remove the rear wheels & tires.

Support the rear axle with a hydraulic jack. Leave plenty of room to lower the rear axle.

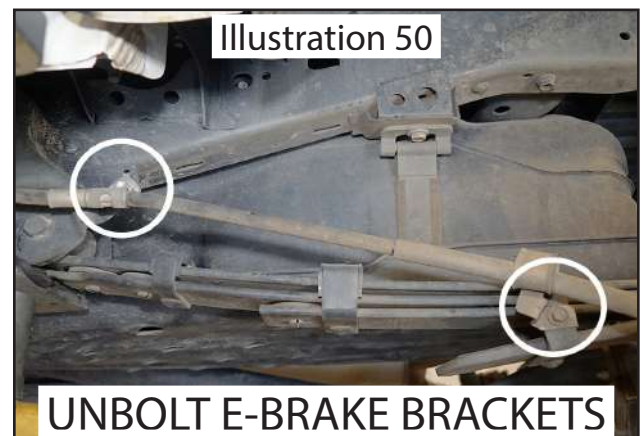
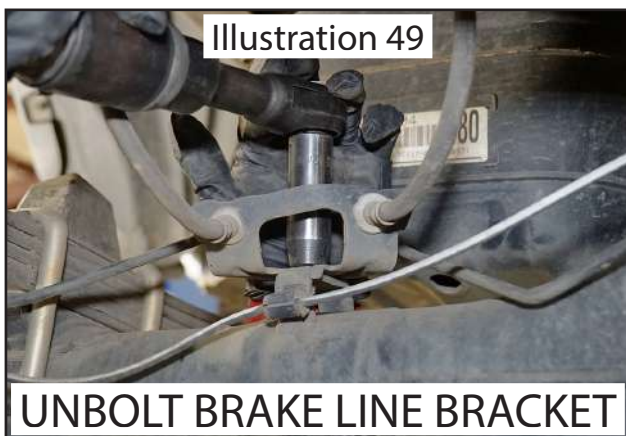
Secure the axle at the drive shaft yoke with a ratchet strap. The strap acts as a safety precaution and it allows you to adjust/roll the axle as need to position axle rear blocks, u-bolts, etc.

36. BRAKE LINE BRACKET, EMERGENCY BRAKE, AND ABS...

[Illustration 49] Unbolt the factory brake line bracket from the driver side axle housing. [12mm]

[Illustration 50] Unbolt the emergency brake line bracket from the frame and the leaf springs. [12mm]

[Illustration 50] Unbolt the ABS wires from the top of the differential and unclip the axle brackets. [12mm]



37. SHOCKS...

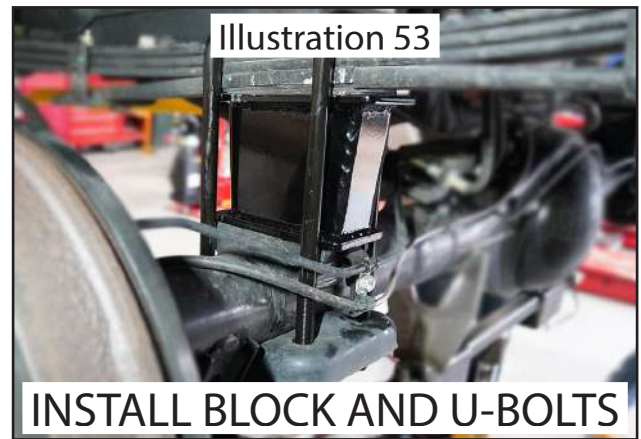
[Illustration 51] Remove the shocks. [14mm, 17mm]



38. REAR BLOCKS...

[Illustration 52 & 53] Do one side at a time. Remove the u-bolts and lower the axle down enough to install the new block (4.5" lift = 55-02-202 / 6" = 55-04-202). NOTE: the notched end of the block goes to the front. Install supplied u-bolts; snug but do not tighten.

Repeat step on other side. Tighten u-bolts on both sides. (110)

**39. BRAKE LINE...**

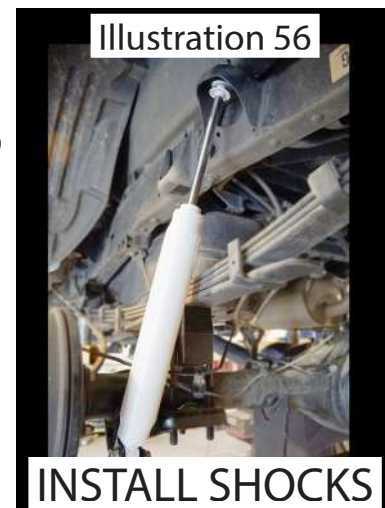
[Illustration 54] Install new brake line bracket (55-14-8405) using the factory hardware at the axle and attach the factory brake line bracket to the new bracket using the supplied 5/16" x 1" bolt, washer, and nyloc nuts. (15) Carefully bend the ABS bracket at the frame until you can reconnect the axle bracket.

[Illustration 55] Attach the emergency brake cables to the frame using the new bracket (driver = 55-21-8405 / passenger = 55-22-8405). The bracket installed at the frame using the factory bolt in the factory location with the supplied 1/4" x 3/4" bolts, washers, and nuts.

**40. SHOCKS (IF VEHICLE IS TRD PRO SKIP TO NEXT STEP)...**

[Illustration 56] Lightly grease & install/press the #01-60418 - 3/4" ID bushing into the shock eye end. Lightly grease & install/press the #01-60457 sleeve into the shock eye end.

Install new shocks (01-85310) with the body down and shaft up using the factory hardware. [17mm, 14mm] (80) NOTE: On some models it will require the factory lower shock bracket to be clearanced for larger shocks to clear at full extension. Use a grinder to clearance bracket.



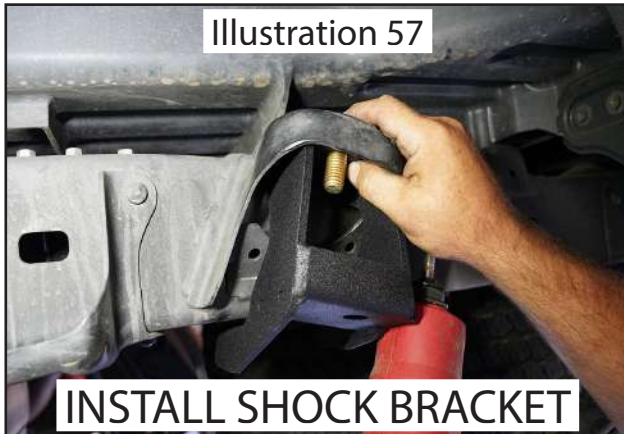
41. TRD PRO SHOCK BRACKETS...

[Illustration 57] Remove the bolt Place the new shock bracket (driver = 55-08-8410 / passenger = 55-09-8410) into the frame pocket and secure using the supplied 5/8" x 1-1/4" bolt, washers, and nyloc nuts. (210)

[Illustration 58] Clamp the bracket tightly to the bottom of the frame. Two holes must be drilled through the frame rail for the 3/8" bolts; use the bracket as a template.

[Illustration 59] Secure the shock bracket to the bottom of the frame with the supplied 3/8" hardware. (40)

[Illustration 60] Install rear shock using the factory hardware. (80)

**42. CARRIER BEARING SPACER...**

[Illustration 61] If the vehicle is equipped with a two piece rear drive shaft and lifted to 6", install the (2) carrier bearing spacers (55-15-8405) between the frame and the bearing using the supplied 10mm x 50mm bolts and washers. (45) Most 4.5" vehicles will not need adjusting. The spacer provided is a starting point for adjustment, all vehicles are different and additional shims may need to be added or some taken away to eliminate driveline vibrations.



43. FACTORY SKID PLATE...

[Illustration 62] Install the skid plate braces using the supplied spacers (55-16-8405) and the factory hardware. Position the spacers between the braces and the frame for the upper (3) bolts only. (21). Reattach the skid plate to the braces using the factory hardware. (21)

**44. REAR TIRES / WHEELS...**

Install the rear tires & wheels. Lower the vehicle to the ground.

FINAL CHECKS**45. 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. Depending on your choice of tire size and wheel width, it is not uncommon to trim the lower plastic valance of the bumper and inner fender shroud slightly to add proper tire clearance while turning.

46. WHEEL ALIGNMENT...

Re-align vehicle to factory specifications.

47. HEADLIGHTS...

Re-adjust headlights to proper setting.

48. FOUR WHEEL DRIVE...

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

49. SUPERLIFT WARNING DECAL...

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