

- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.
- If Larger Tires (10% More Than OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local FORD Dealer or an Authorized Skyjacker® Dealer for Details.
- Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.
- **6" Lift:** If Front Driveshaft Vibration Occurs, Order Extended Length Dual CV Driveshaft. Part # F17685DS.

Component Box Breakdown:

Part # F540 (Gas Engine)

Item #	Description	Qty
F540S	COIL SPRING, 4" SOFTRIDE	2

Part # F545V (Diesel Engine)

Item #	Description	Qty
F545VS	COIL SPRING, 4" VARIABLE RATE	2

Part # F560 (Gas Engine)

Item #	Description	Qty
F560S	COIL SPRING, 4" SOFTRIDE	2

Part # F565V (Diesel Engine)

Item #	Description	Qty
F565VS	COIL SPRING, 6" VARIABLE RATE	2

Part # F23451

Item #	Description	Qty
TB1740-B	TRACK BAR BRACKET	1
H-BOX F23451	HDWR BOX: F23451, 4"	1

Part # F23451S

Item #	Description	Qty
TB1740-B	TRACK BAR BRACKET	1
H-BOX F23451S	HDWR BOX: F23451S, 4"	1

Part # F23651

Item #	Description	Qty
FA450	PITMAN ARM, F250\F350	1
RB45	REAR BLOCK, 4.5" TAPERED	2
TB1146-B	TRACK BAR BRACKET	1
58X325X18SPU	5/8 X 3-1/4 X 18 U-BOLT, FORD	4
H-BOX F23651	HDWR BOX: F23651, 6"	1

Part # F23651S

Item #	Description	Qty
FA450	PITMAN ARM, F250\F350	1
TB1146-B	TRACK BAR BRACKET	1
58X318X1312U	5/8 X 3-1/8 X 13-1/2, U-BOLT SQ.	4
H-BOX F23651S	HDWR BOX: F23651S, 6"	1

Part # RAB2346

Item #	Description	Qty
RAB2346-D	RADIUS ARM BRKT, DR	1
RAB2346-P	RADIUS ARM BRKT, PA	1
RAB23FP-D	RADIUS ARM FRAME PLATE, DR	1
RAB23FP-P	RADIUS ARM FRAME PLATE, DR	1
HB-RAB2346	HDWR BAG: RAB2346	1

Hardware Box Breakdown:

Part # H-BOX F23451

Item #	Description	Qty
7011-B	STEERING STABILIZER BRACKET	1
BSS275-B	BUMP STOP SPACER, 2.75" TALL	2
RB20	REAR BLOCK, 2" TAPERED	2
SBL20-L	SWAY BAR LOWERING BRKT, DR	1
SBL20-R	SWAY BAR LOWERING BRKT, PA	1
VH32	VENT HOSE, 5/16" X 32" L	1
VT53224	VACUUM TUBING, 5/32" X 24" L	1
58X325X16SPU	5/8 X 3-1/4 X 16 U-BOLT, FORD	4
HB-F1725BLE	HDWR BAG: BRAKE LINE EXT.	1
HB-F23TBS	HDWR BAG: TRK BAR & SWAY BAR	1
HB-17451BSS	HDWR BAG: BUMP STOP \S. STAB	1
HB-58	HDWR BAG: 5/8 N/I LOCK NUT	1

Part # H-BOX F23451S

Item #	Description	Qty
7011-B	STEERING STABILIZER BRACKET	1
BSS275-B	BUMP STOP SPACER, 2.75" TALL	2
SBL20-L	SWAY BAR LOWERING BRKT, DR	1
SBL20-R	SWAY BAR LOWERING BRKT, PA	1
SP348-B	SPRING PLATE, REAR F250\F350	2
VH32	VENT HOSE, 5/16" X 32" L	1
VT53224	VACUUM TUBING, 5/32" X 24" L	1
58X318X1312U	5/8 X 3-1/8 X 13-1/2, U-BOLT SQ.	4
HB-F1725BLE	HDWR BAG: BRAKE LINE EXT.	1
HB-F23RLB	HDWR BAG: RR LEAF SPRING BOLT	1
HB-F23TBS	HDWR BAG: TRK BAR & SWAY BAR	1
HB-17451BSS	HDWR BAG: BUMP STOP \S. STAB	1
HB-58	HDWR BAG: 5/8 N/I LOCK NUT	1

Part # H-BOX F23651

Item #	Description	Qty
7011-B	STEERING STABILIZER BRACKET	1
BSS45-B	BUMP STOP SPACER, 4.5" TALL	2
SBL40-L	SWAY BAR LOWERING BRKT, DR	1
SBL40-R	SWAY BAR LOWERING BRKT, PA	1
VH32	VENT HOSE, 5/16" X 32" L	1
VT53224	VACUUM TUBING, 5/32" X 24" L	1
HB-17SDSS	HDWR BAG: STRG STABILIZER	1
HB-17651BSS	HDWR BAG: BUMP STOP	1
HB-58	HDWR BAG: 5/8 N/I LOCK NUT	1
HB-F1725BLE	HDWR BAG: BRAKE LINE EXT.	1
HB-F23LBE	HDWR BAG: BRAKE LINE EXT. LWR	1
HB-F23TBS	HDWR BAG: TRK BAR & SWAY BAR	1

Component Box Breakdown:**Part # H-BOX F23651S**

Item #	Description	Qty
7011-B	STEERING STABILIZER BRACKET	1
BSS45-B	BUMP STOP SPACER, 4.5" TALL	2
SBL40-L	SWAY BAR LOWERING BRKT, DR	1
SBL40-R	SWAY BAR LOWERING BRKT, PA	1
SP348-B	SPRING PLATE, REAR F250\F350	2
VH32	VENT HOSE, 5/16" X 32" L	1
VT53224	VACUUM TUBING, 5/32" X 24" L	1
HB-17SDSS	HDWR BAG: STRG STABILIZER	1
HB-17651BSS	HDWR BAG: BUMP STOP	1
HB-58	HDWR BAG: 5/8 N/I LOCK NUT	1
HB-F1725BLE	HDWR BAG: BRAKE LINE EXT.	1
HB-F23LBE	HDWR BAG: BRAKE LINE EXT. LWR	1
HB-F23RLB	HDWR BAG: RR LEAF SPRING BOLT	1
HB-F23TBS	HDWR BAG: TRK BAR & SWAY BAR	1

Hardware Bag Breakdown:**Part # HB-17SDSS**

Item #	Description	Qty
F1768SSB-B	STEERING STABILIZER BRACKET	1
SBEBUSH-5815	BUSHING, 5/8" ID x 1.50" LONG	1
141509	ES25 SLEEVE, 1.50" LONG	1
SSB1768-T	STRG STAB TAPERED SLEEVE	1
12X234FTB	1/2 X 2-3/4 FINE THREAD BOLT	1
12SAEW	1/2 SAE WASHER	4
12FTN	1/2 FINE THREAD N/I LOCK NUT	1
12X60MMB	12MM X 60MM BOLT / 10.9	1
12MMN	12MM NYLON INSERT LOCK NUT	1
916X214FTB	9/16 X 2-1/4 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHER	2
916FTN	9/16 FINE THREAD N/I LOCK NUT	1

Part # HB-17451BSS

Item #	Description	Qty
8X90MMB	8MM X 90MM BOLT / 10.9	2
516SAEW	5/16 SAE WASHER	2
12X60MMB	12MM X 60MM BOLT / 10.9	1
12MMN	12MM NYLON INSERT LOCK NUT	1
12SAEW	1/2 SAE WASHER	2
LT100	THREAD LOCK COMPOUND, TUBE	1

Hardware Bag Breakdown:**Part # HB-17651BSS**

Item #	Description	Qty
8X90MMB	8MM X 140MM BOLT / 10.9	2
516SAEW	5/16 SAE WASHER	2
LT100	THREAD LOCK COMPOUND, TUBE	1

Part # HB-F1725BLE

Item #	Description	Qty
F23BE-D	BRAKE LINE BRACKET, DR	1
F23BE-P	BRAKE LINE BRACKET, PA	1
516X1FTB	5/16 X 1 FINE THREAD BOLT	2
516SAEW	5/16 SAE WASHER	4
516FTN	5/16 FINE THREAD N/I LOCK NUT	2

Part # HB-F23LBE

Item #	Description	Qty
F23LBE-D	BRAKE LINE EXT. LOWER, DR	1
F23LBE-P	BRAKE LINE EXT. LOWER, PA	1
516X1FTB	5/16 X 1 FINE THREAD BOLT	2
516FTN	5/16 FINE THREAD N/I LOCK NUT	2
516SAEW	5/16 SAE WASHER	6
8X20MMB	8MM X 20MM - 1.25 BOLT / 10.9	2

Part # HB-F23RLB

Item #	Description	Qty
22X150MMB	22MM X 150MM-2.5 BOLT / 10.9	1
22MMFW	22MM FLAT WASHER	2
22MMN	12MM NYLON INSERT LOCK NUT	1

Part # HB-F23TBS

Item #	Description	Qty
BTIE-K	PLASTIC CABLE TIE , BLACK	1
D260PSS-S	ANTI-CRUSH SPACER 0.938" LONG	3
716X112FTB	7/16 X 1-1/2 FINE THREAD BOLT	4
716FTN	7/16 FINE THREAD N/I LOCK NUT	4
716SAEW	7/16 SAE WASHER	8
916X3FTB	9/16 X 3 FINE THREAD BOLT	3
916FTN	9/16 FINE THREAD N/I LOCK NUT	3
916SAEW	9/16 SAE WASHER	6

Part # HB-RAB2346

Item #	Description	Qty
34X2CTB	3/4 X 2 COARSE THREAD BOLT	4
34CTN	3/4 COARSE THRD N/I LOCK NUT	4
34SAEW	3/4 SAE WASHER	8
916X2CTB	9/16 X 2 COARSE THREAD BOLT	2
916CTN	9/16 COARSE THRD N/I LOCK NUT	2
916SAEW	9/16 SAE WASHER	4

Part # HB-58

Item #	Description	Qty
58FTN	5/8 FINE THREAD N/I LOCK NUT	8

Pre-Installation Tips: Install Shock Boots, Bushings & Sleeves.

1. **Black MAX:** Install supplied Shock Boot over Black MAX Shock. Attach boot to cylinder body with supplied Boot Cable Tie. Remove excess cable tie with diagonal cutting pliers.
2. **Black MAX & M95 Monotube:** Coat Hourglass Bushings with a water resistant grease & press into each shock eye. Coat Sleeve & press into shock eye bushings.

Front Installation: Note: Save all factory components & hardware for reuse, unless noted.

1. Chock rear tires \ wheels. Ensure that vehicle transmission is in PARK & engage emergency brake. **Note:** Be sure steering wheel \ wheels are pointing straight forward.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual. **Tech Note:** OEM radius arms will need to move freely during this installation.

3. Remove front tires \ wheels using a 21mm socket.
4. Disconnect OEM front sway bar from frame mounts using a 15mm socket \ wrench. (Photo # 1)

Note: Skyjacker Sway Bar Lowering Brackets Are Side Specific. Part number is on silver bar code label:

4" Lift: # SBL20-L Driver & # SBL20-R Passenger.

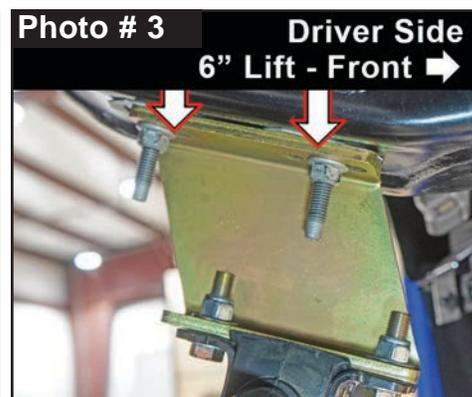
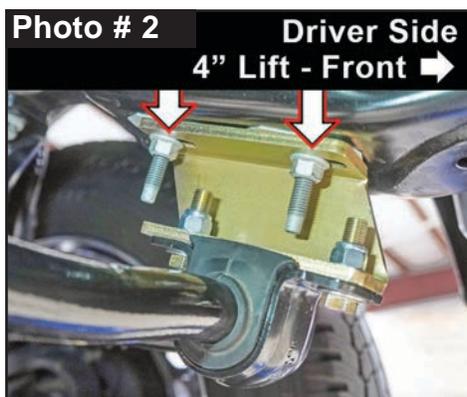
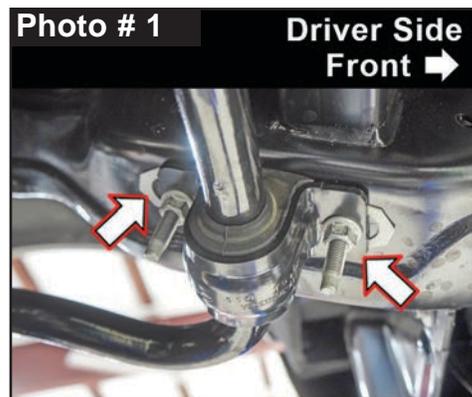
6" Lift: # SBL40-L Driver & # SBL40-R Passenger.

Tech Note: Bracket bend goes toward inside of vehicle & flat side of bracket goes toward outside of vehicle. Bracket's side profile angles \ slopes to front. (Photo # 2 & # 3)

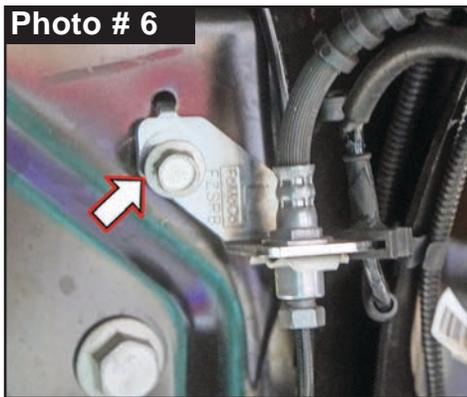
Install Skyjacker Sway Bar Lowering Bracket to appropriate side of vehicle frame mount with OEM hardware using a 15mm wrench. (Photo # 2) Secure, but **Do Not Completely Tighten** at this time.

Connect OEM sway bar mount to Skyjacker Sway Bar Lowering Bracket with supplied 7/16" x 1-1/2" Fine Thread Bolt with 7/16" SAE Washer bottom & 7/16" SAE Washer with 7/16" Nylon Insert Lock Nut top using a 5/8" socket \ wrench. (Photo # 2 & # 3) Tighten OEM Hardware. Torque 50 ft-lbs. Tighten 7/16" Hardware Torque 60 ft-lbs.

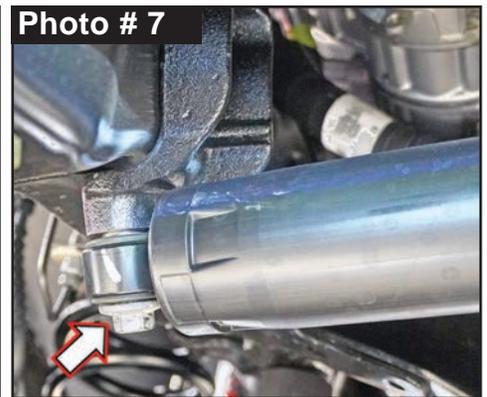
5. Disconnect OEM front sway bar end links from OEM sway bar at axle mount using an 18mm socket \ wrench. (Photo # 4)
6. Disconnect OEM brake line bracket at axle mount using a 10mm socket \ wrench. (Photo # 5)



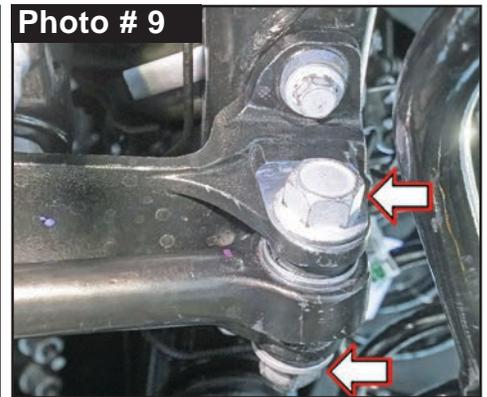
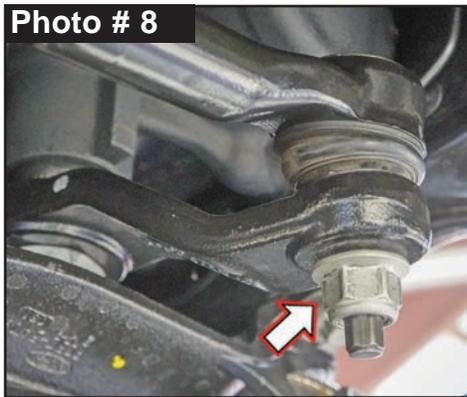
7. Remove OEM brake line bracket from frame mount using a 13mm socket \ wrench. (Photo # 6)



8. Disconnect OEM steering stabilizer from passenger side OEM frame bracket using an 18mm socket \ wrench. (Photo # 7)



9. Disconnect OEM drag link from OEM pitman arm using a 24mm socket \ wrench. (Photo # 8)



Tech Note: Hang drag link up out of way using wire, a hook or bungee.

10. Disconnect OEM track bar from OEM track bar frame mount bracket using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench. (Photo # 9)

11. Remove OEM bump stop using adjustable channel lock pliers or a flat screwdriver. (Photo # 10)

Remove OEM bump stop cup from frame using a 13mm socket \ wrench. (Photo # 11)

In order for OEM bump stop cups to sit flush against Skyjacker Bump Stop Spacer, tap locator tab on top of OEM bump stop cup flat using a hammer. (Photo # 12)



12. **Note:** Skyjacker Bump Stop Spacers Are Not Side Specific.

4" Lift: # BSS275-B two (2) 2-3/4" Bump Stop Spacers with an 8mm x 90mm Bolts

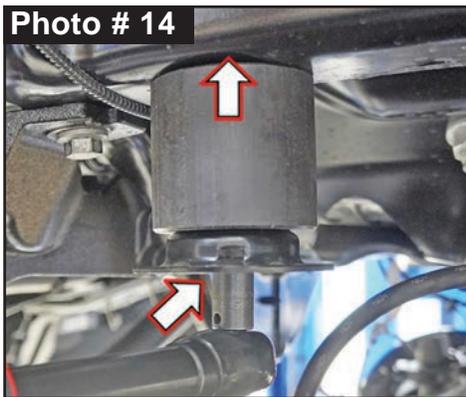
6" Lift: # BSS45-S two (2) 4-1/2" Bump Stop Spacers with an 8mm x 140mm Bolts

Place supplied 5/16" SAE Washer onto 8mm bolt. (Photo # 13) Apply a few drops of supplied # LT100 Thread Lock Compound onto 8mm bolt.



13. Install Bump Stop Spacer with OEM bump stop cup to frame mount using a 13mm socket \ wrench. (Photo # 14) Torque 23 ft-lbs.

Install OEM bump stop into OEM bump stop cup. (Photo # 15)



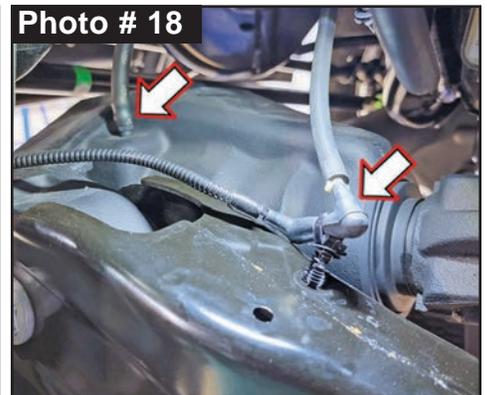
14. Position a hydraulic jack under front differential. Raise jack until suspension begins to compress slightly.

Raise jack until suspension begins to compress slightly.

Disconnect OEM front shocks at lower mount using an 18mm socket \ wrench. (Photo # 16)

Disconnect OEM front shocks at upper mount using a 21mm socket \ wrench. (Photo # 17)

15. Disconnect OEM axle vacuum line from driver side radius arm using a plastic fastener removal tool. (Photo # 18) Disconnect OEM axle vent tube from differential mount. (Photo # 18)

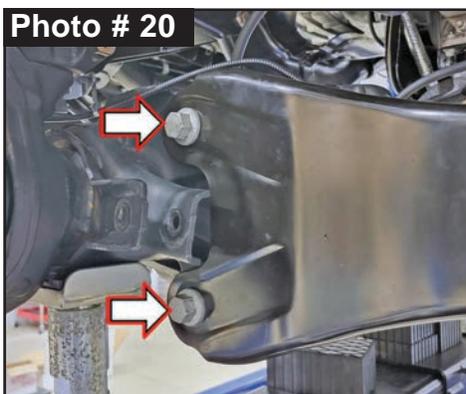
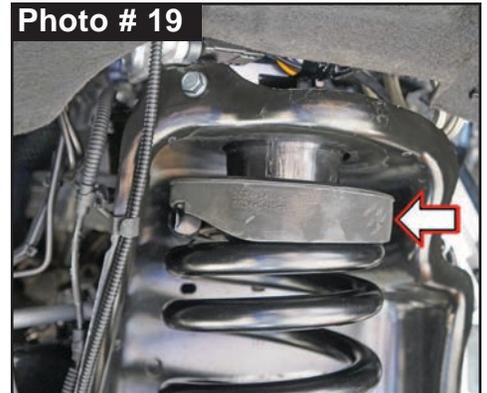


16. While checking for appropriate slack in axle vacuum lines, ABS lines, brake lines, vent hose, & etc. Lower front differential. Remove OEM front coil springs. **Note:** Retain OEM upper rubber isolator pads. Isolators will be used when front coil springs are installed. (Photo # 19)

Note: Perform Steps 17-20 on One Side at a Time.

17. Loosen, but do not remove, OEM radius arm bolts at axle mount using a 24mm & 1-1/16" \ 27mm socket \ wrench. (Photo # 20) **Tech Note:** Driver side upper bolt has nut welded to OEM radius arm.

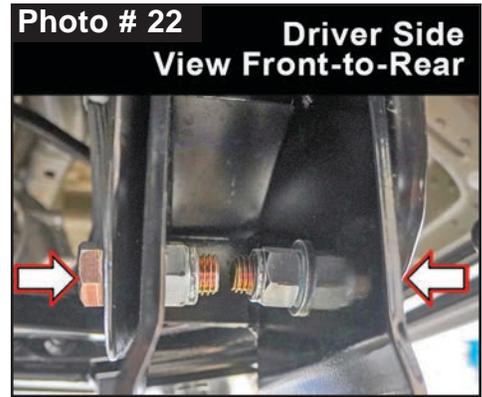
Disconnect OEM radius arm from OEM frame bracket using a 24mm socket \ wrench. (Photo # 21)



18. **Note:** Skyjacker Radius Arm Drop Brackets Are Side Specific:
RAB2346-D Driver Side & # RAB2346-P Passenger Side.

Install Skyjacker Radius Arm Drop Bracket into appropriate OEM frame mount with supplied hardware from outside-to-inside of each mounting hole.

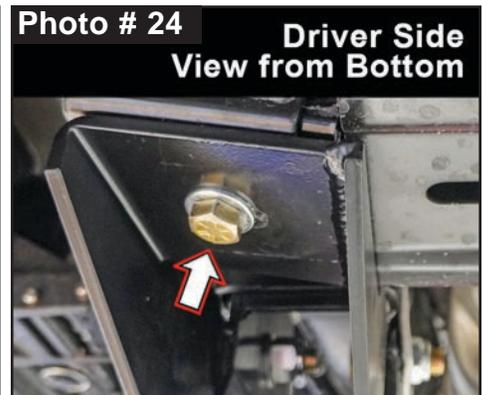
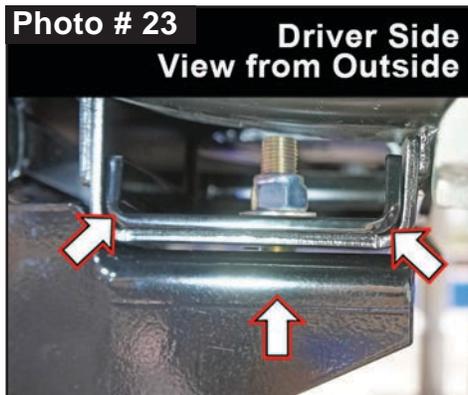
Insert supplied 3/4" x 2" Fine Thread Bolt with 3/4" SAE Washer through OEM mount & Skyjacker bracket. Attach with 3/4" SAE Washer with 3/4" Nylon Insert Lock Nut using a 1-1/16" \27mm & 1-1/8" socket \wrench. (Photo # 22)
Torque 185 ft-lbs.



19. **Note:** Skyjacker Radius Arm Frame Plate Brackets Are Side Specific:
RAB23FP-D Driver Side & # RAB23FP-P Passenger Side.

Install Skyjacker Radius Arm Frame Plate Bracket into appropriate OEM crossmember mount.

Attach with supplied 9/16" x 2" Fine Thread Bolt with 9/16" SAE Washer up through Skyjacker Radius Arm Bracket, OEM crossmember mount & Skyjacker Frame Plate. Attach with 9/16" SAE Washer with 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \wrench. (Photo # 23 & # 24) Torque 130 ft-lbs.



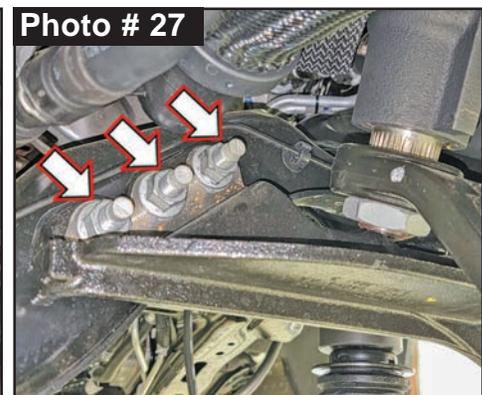
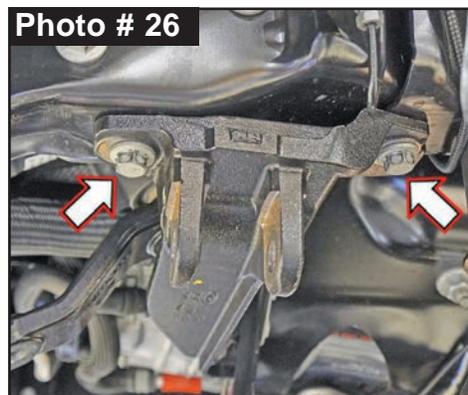
NOTE: If 4-Link Conversion Kit Was Purchased, Refer to Separate Instructions at this Time.

20. Connect OEM radius arm to OEM axle mount with OEM hardware using a 24mm & 1-1/16" \27mm socket \wrench.
Connect OEM radius arm to Skyjacker Radius Arm Bracket with OEM hardware using a 24mm socket \wrench. (Photo # 25) Secure, but **Do Not Completely Tighten** at this time.
4" Lift, install into upper mounting hole of Skyjacker Bracket.
6" Lift, install into lower mounting hole of Skyjacker Bracket.



Note: Perform Steps 17-20 on Opposite Side Now. Then Proceed to Step 21.

21. Remove two (2) bolts at OEM track bar frame mount bracket using an 18mm socket \wrench. **Note:** OEM tab nuts are on top of frame. (Photo # 26)
Remove three (3) bolts at crossmember mount using a 21mm socket \wrench. (Photo # 27)

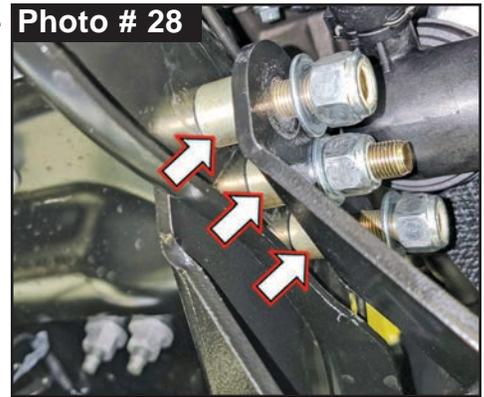


22. Attach Skyjacker Track Bar Bracket to front OEM crossmember.

4" Lift: # TB1740-B Front Track Bar Bracket

6" Lift: # TB1146-B Front Track Bar Bracket

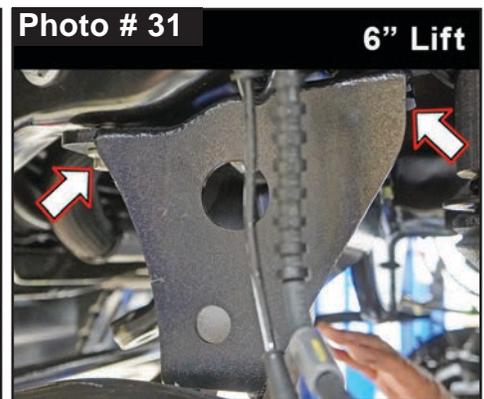
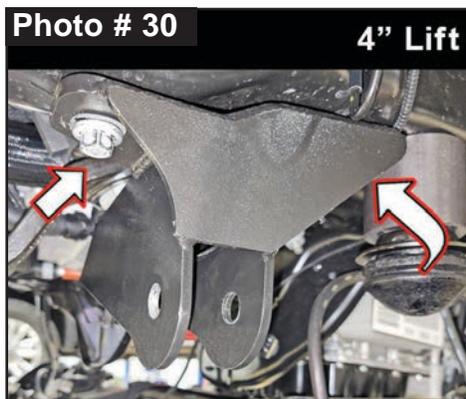
Insert supplied 9/16" x 3" Fine Thread Bolt with 9/16" SAE Washer from front-to-rear through bracket \ crossmember mount. Place # D260PSS-S Anti-Crush Spacer (0.938" Long) inside bracket. Insert bolt through bracket \ crossmember mount. (Photo # 28)



23. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. (Photo # 29) Secure, but **Do Not Completely Tighten** at this time.

24. Attach Skyjacker track bar bracket to frame with two (2) OEM bolts & tab nuts using an 18mm socket \ wrench. (Photo # 30 & # 31) Torque 95 ft-lbs.

Tighten all track bar bracket 9/16" hardware at this time. Torque 130 ft-lbs.



25. Lower OEM axle & install Skyjacker Front Coil Spring. Be sure coil spring is seated properly into OEM lower coil spring seat by rotating coil until pigtail hits spring stop. **Note:** Be sure OEM upper coil spring isolator is properly aligned with coil & upper coil spring mount. (Photo # 32)

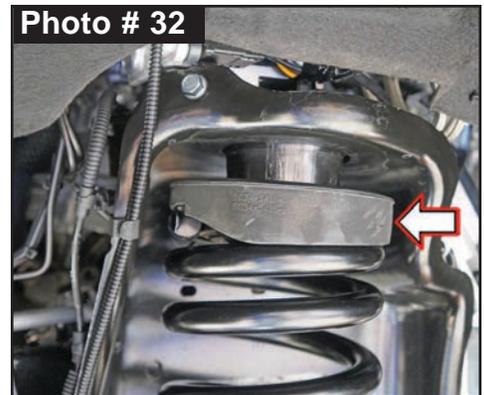
Raise front axle in order to load coil springs assembly.

NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 26.

Kit With ADX 2.0 Remote Reservoir: Proceed to Step 27.

26. Connect Skyjacker front shock at upper shock tower mount using an 18mm socket \ wrench. (Photo # 33)

Connect Skyjacker shock at lower axle mount with OEM hardware using a 21mm socket \ wrench. (Photo # 34) Secure, but **Do Not Completely Tighten** at this time. **Note:** To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels. **Proceed to Step 28.**



27. Locate Skyjacker ADX front shock. Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a hex key socket (one (1) front & one (1) back). Position clamp into place around shock body & reservoir cylinder. Secure, but **Do Not Completely Tighten**.

Install Skyjacker ADX front shock. (Photo # 35)

Connect upper shock mount with OEM hardware using a 18mm socket \ wrench. Connect lower shock mount with OEM hardware using a 21mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

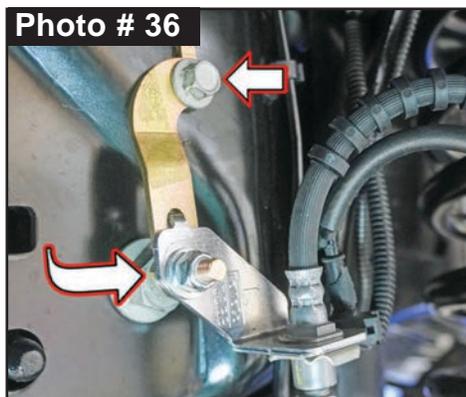
CAUTION: Make Sure ADX Shock Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout the Full Travel Cycle of the Suspension. (Tire \ wheel, frame rail, frame brackets, springs, brake lines, exhaust, etc.) For proper clearance, it may be necessary to change the location or orientation of the reservoir on the shock body. Use a hex key socket to loosen clamps to position reservoir cylinder as needed. **Proceed to Step 28.**



28. **Note:** Skyjacker Brake Line Extension Brackets Are Side Specific.
F23BE-D Driver & # F23BE-P Passenger.

Attach OEM brake line bracket to appropriate Skyjacker Brake Line Extension Bracket with supplied 5/16" x 1" Fine Thread Bolt with 5/16" SAE Washer from inside-to-outside of vehicle. Attach with supplied 5/16" SAE Washer & 5/16" Nylon Insert Lock Nut using a 1/2" socket \ wrench. (Photo # 36)

Attach OEM \ Skyjacker Bracket into OEM frame mount with OEM bolt using a 13mm socket \ wrench. (Photo # 36)



29. **4" Lift:** Connect OEM brake line bracket at OEM axle mount with OEM bolt using a 13mm socket \ wrench.

(Photo # 37) **Proceed to Step 33.**



30. **6" Lift:** Disconnect OEM axle vacuum line clip from OEM brake line bracket at axle mount using a plastic fastener removal tool. (Photo # 38)

Note: Inner tab of OEM brake line bracket must be removed for coil-over spring clearance. Mark a line before bend of inner tab. (Photo # 39)

Hold OEM bracket securely with adjustable locking pliers.

Cut marked line using a cut-off tool, grinder or similar tool. (Photo # 40) **Proceed to Step 31.**

Photo # 38

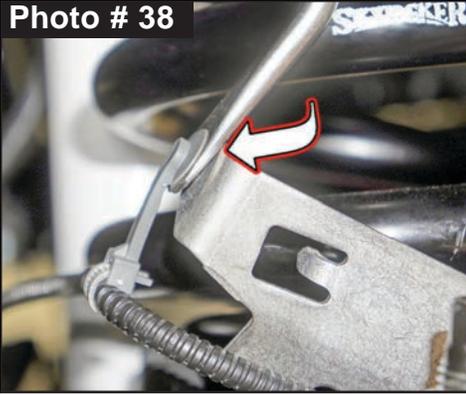


Photo # 39

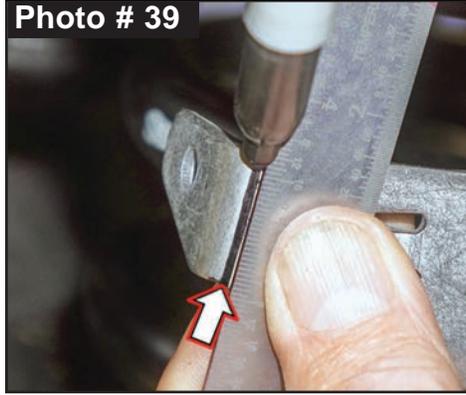
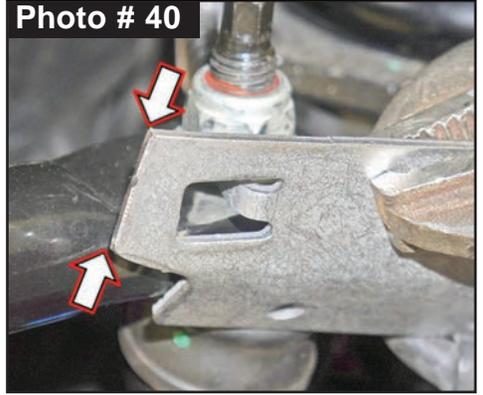


Photo # 40



31. **6" Lift: Note:** Skyjacker Lower Brake Line Extension Brackets Are Side Specific.
F23LBE-D Driver Side & # F23LBE-P Passenger Side.

First, attach appropriate Skyjacker Lower Brake Line Extension Bracket to outside of OEM bracket mount in upper outside hole mount with supplied 5/16" x 1-1/4" Fine Thread Bolt with 5/16" SAE Washer from rear-to-front of vehicle. (Photo # 41)

Attach with supplied 5/16" SAE Washer & 5/16" Nylon Insert Lock Nut using a 1/2" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

Second, attach inside lower hole of Skyjacker Bracket at OEM axle mount with OEM bolt using a 10mm socket \ wrench. (Photo # 41) Secure, but **Do Not Completely Tighten** at this time.

32. Third, attach outside lower hole of Skyjacker Bracket at OEM axle mount with supplied 8mm x 20mm Bolt with 5/16" SAE Washer using a 13mm socket \ wrench. (Photo # 41)

Tighten all three (3) attaching bolts.
Tighten 5/16" hardware. Torque 240 in-lbs.
Tighten 8mm hardware. Torque 23 ft-lbs.

Connect OEM axle vacuum line clip to inner hole of Skyjacker Bracket. (Photo # 42) **Proceed to Step 33.**

33. Disconnect OEM axle vacuum line from OEM radius arm connector. (Photo # 43)
Disconnect OEM axle vacuum line from upper OEM frame mount. (Photo # 44)

Photo # 43

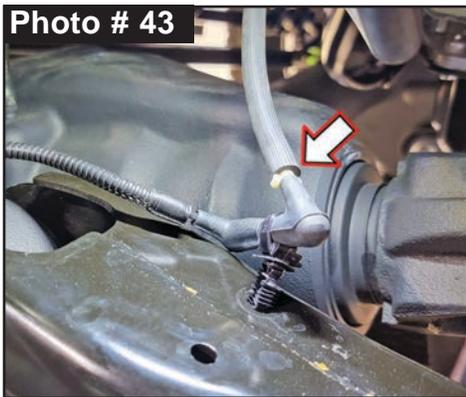


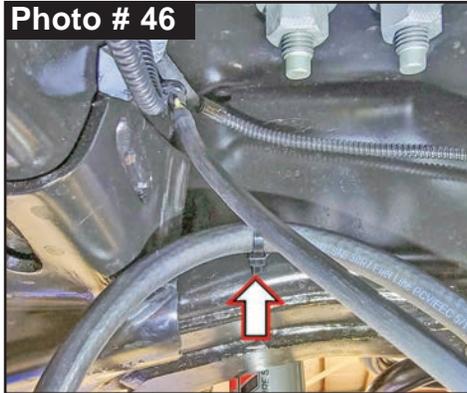
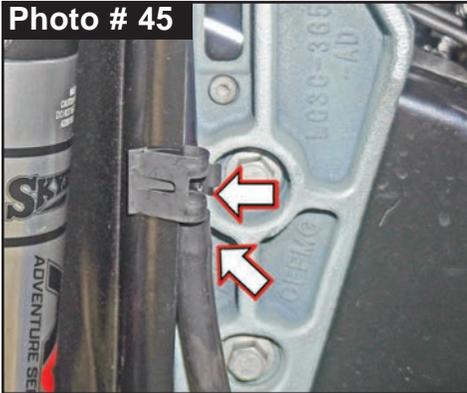
Photo # 44



Replace with supplied # VT53224 5/32" x 24" Vacuum Tube. **Note:** Trim hose to needed length.

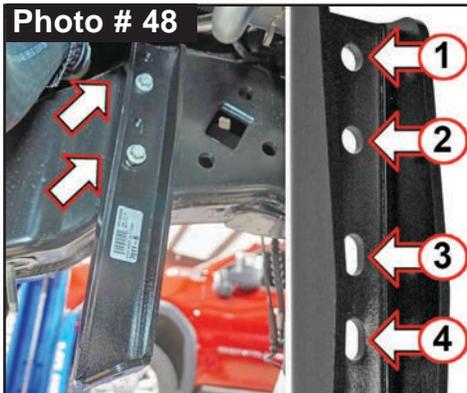
Attach OEM radius arm connector tab into OEM driver side radius arm top mount hole.

34. Disconnect OEM axle vent tube from OEM frame clip at coil spring mount. (Photo # 45)
 Disconnect OEM axle vent tube from upper OEM frame mount clip. (Photo # 46)
 Replace with supplied # VH32 5/16" x 32" Vacuum Tube. **Note:** Trim hose to needed length.
 Connect OEM axle vent tube to OEM frame mount clip with supplied Plastic Cable Tie.
35. Remove OEM steering stabilizer frame bracket from passenger side OEM frame using a 13mm socket \ wrench. (Photo # 47)



36. Install Skyjacker # 7011-B Steering Stabilizer Drop Bracket into OEM position with OEM bolts using a 13mm socket \ wrench. (Photo # 48)
4" Lift: Install into # 2 & # 4 mounting holes. **Proceed to Step 37.**
6" Lift: Install into # 1 & # 3 mounting holes. **Proceed to Step 38.**

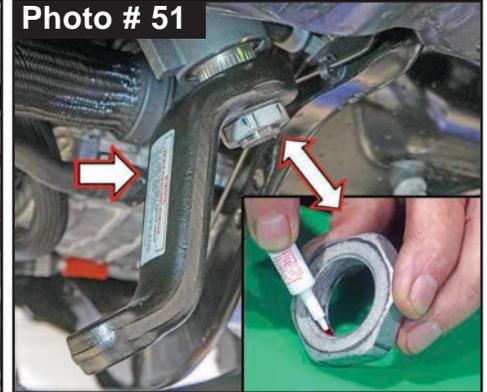
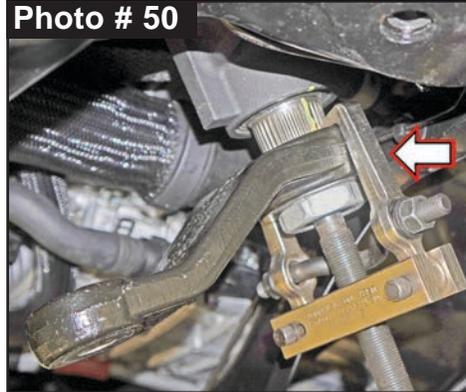
37. **4" Lift:** Place OEM steering stabilizer into Skyjacker bracket above lower mounting tab. (Photo # 49)
 Attach with supplied 12mm x 60mm Bolt with 1/2" SAE Washer up through Skyjacker Bracket & OEM stabilizer mount. Attach with supplied 1/2" SAE Washer & 12mm Nylon Insert Lock Nut using an 18mm socket \ wrench.
 Torque to 45 ft-lbs. **Proceed to Step 39.**



38. **6" Lift:** Remove OEM pitman arm nut from OEM steering gear using a 46mm socket \ wrench.
Remove OEM pitman arm from OEM steering gear using a pitman arm puller tool. (Photo # 50)

NOTE: Threads on OEM Steering Sector Shaft Must Be Thoroughly Cleaned & Wiped Dry BEFORE Pitman Arm Is Installed.

IMPORTANT: Apply supplied Thread Locking Compound on Entire Threads of OEM Pitman Arm Nut. (Photo # 51)

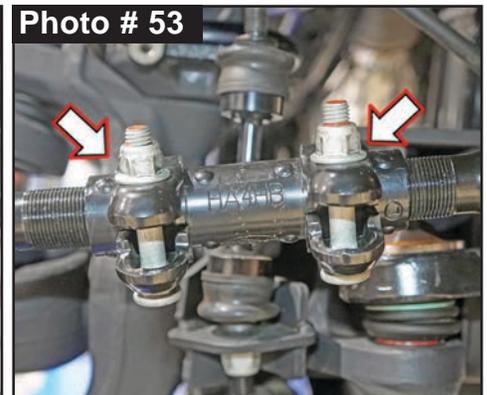


Attach Skyjacker Pitman Arm with OEM pitman arm nut using a 46mm socket \ wrench. (Photo # 50) Torque to 350 ft-lbs. **Proceed to Step 40.**

39. **4" Lift:** Connect OEM drag link in from top into OEM pitman arm with OEM hardware using a 24mm socket \ wrench. (Photo # 52)

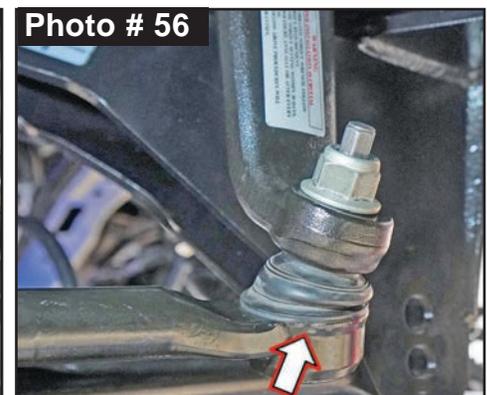
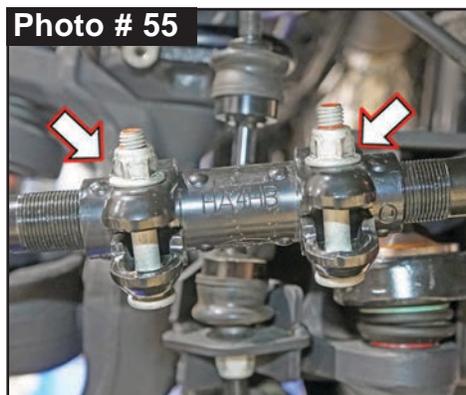
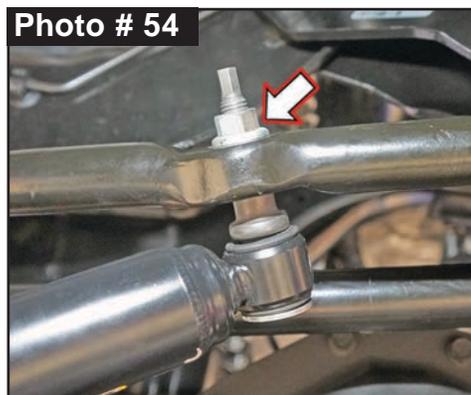
Note: Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven.

Adjust OEM drag link adjusting sleeve using a 15mm socket \ wrench. (Photo # 53) Torque to 45 ft-lbs. **Proceed to Step 43.**



40. **6" Lift:** Disconnect OEM steering stabilizer from OEM drag link using an 18mm socket \ wrench. (Photo # 54) Separate OEM tapered stud from OEM drag link. **Tech Note:** To unseat stud, strike bulge of drag link using ball peen hammer to dislodge. Or use a puller tool to separate. Loosen OEM drag link sleeve using a 15mm socket \ wrench. (Photo # 55)

Rotate pitman arm end of OEM drag link 180 degrees (pointing up). Connect OEM drag link up from bottom into Skyjacker pitman arm. Tighten nut using a 24mm socket \ wrench. (Photo # 56) **Note:** Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Tighten OEM drag link adjusting sleeve using a 15mm socket \ wrench. Torque to 45 ft-lbs. **Proceed to Step 41.**

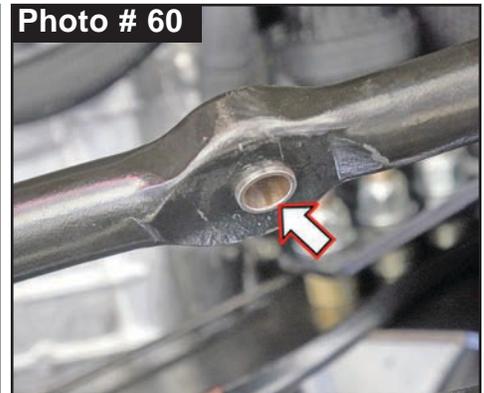


41. **6" Lift:** Grind top of OEM tapered stud from OEM steering stabilizer to remove washer of OEM steering stabilizer. (Photo # 57)

Remove OEM tapered stud & bushing from OEM steering stabilizer eyelet using an arbor press. (Photo # 58)

Coat supplied 5/8" ID x 1.50" Long Bushing with a water resistant grease & press into OEM steering stabilizer eyelet. Coat # ES25 1.50" Long Sleeve & press into OEM steering stabilizer eyelet bushing. (Photo # 59)

Insert supplied # SSB1768-T Tapered Sleeve into tapered hole of OEM drag link assembly stud mount. (Photo # 60) **Proceed to Step 42.**

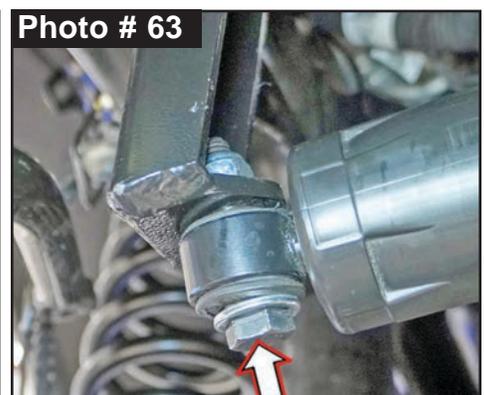
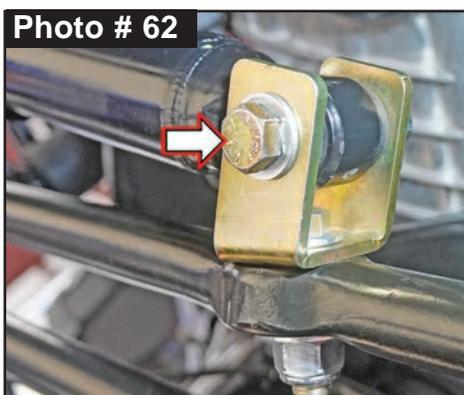
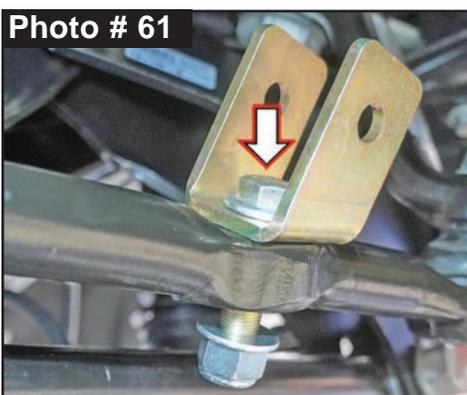


42. **6" Lift:** Place Skyjacker # F1768SSB-B Steering Stabilizer Bracket onto top side of OEM drag link with bracket angled toward driver side of vehicle. (Photo # 61) Insert supplied 9/16" x 2-1/4" Fine Thread Bolt with 9/16" SAE Washer down through bracket & drag link. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

Install OEM stabilizer into Skyjacker bracket. (Photo # 62) Attach with supplied 1/2" x 2-3/4" Fine Thread Bolt with 1/2" SAE Washer through bracket & stabilizer from front-to-rear of vehicle. Attach with 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket / wrench. Secure, but **Do Not Completely Tighten** at this time.

Install OEM steering stabilizer into driver side Steering Stabilizer Drop Bracket below lower mounting tab. (Photo # 63)

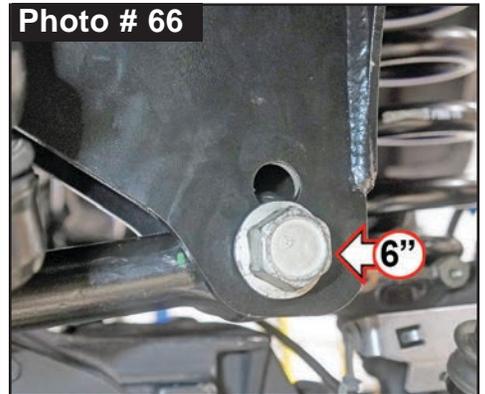
Attach with supplied 12mm x 60mm Bolt with 1/2" SAE Washer up through OEM stabilizer & Skyjacker Bracket mount. Attach with supplied 1/2" SAE Washer & 12mm Nylon Insert Lock Nut using an 18mm socket \ wrench. Torque to 45 ft-lbs. **Proceed to Step 43.**



43. Connect OEM front sway bar end links to OEM sway bar at axle mount using an 18mm socket \ wrench. (Photo # 64) Secure, but **Do Not Completely Tighten**.

44. **4" Lift:** Install OEM track bar to Skyjacker Track Bar Bracket with OEM bolt from front-to-rear. (Photo # 65) Attach with OEM nut. Tighten using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench. **Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. A ratchet strap can be helpful to align track bar \ bracket together. Torque to 270 ft-lbs.

6" Lift: Install OEM track bar to lower mounting hole of Skyjacker Track Bar Bracket with OEM bolt from front-to-rear. (Photo # 66) Attach with OEM nut. Tighten using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench. **Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. A ratchet strap can be helpful to align track bar \ bracket together. Torque to 270 ft-lbs.



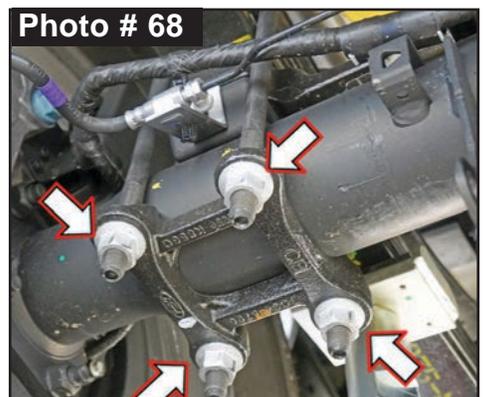
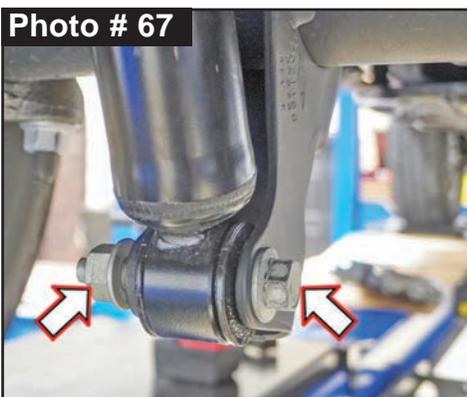
45. Install front tires \ wheels using a 21mm socket & lower front of vehicle to ground.

Rear Installation: Note: Save all factory components & hardware for reuse, unless noted.

1. Chock front tires \ wheels, raise rear of vehicle & support frame rails using jack stands at indicated lift points in service manual.
2. Remove rear tires \ wheels using a 21mm socket.
3. Support rear axle with a hydraulic jack. Allow ample room to lower rear axle.

Remove OEM rear shocks. Use an 18mm & a 21mm socket \ wrench for lower mount. (Photo # 67) Use an 18mm socket \ wrench for upper mount.

4. Remove OEM u-bolts using a 24mm socket \ wrench. (Photo # 68) **Note:** Rear differential will now be free to move, support securely using a floor jack.



Tech Note: Attach a ratchet strap to frame going under rear pinion where driveshaft attaches. This will help to keep rear diff from rolling & allow you to adjust angle during installation.

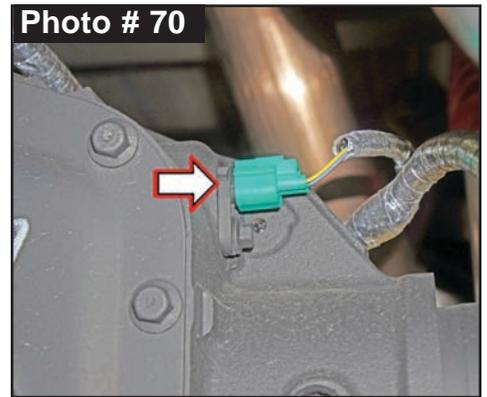
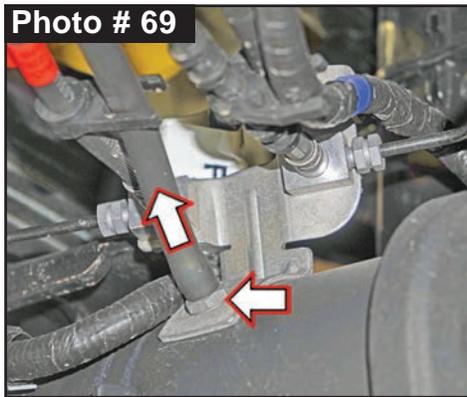
Discard u-bolts & hardware. Retain top & bottom OEM u-bolt plates.

5. Disconnect OEM differential vent hose from driver side OEM diff tube mount. (Photo # 69)

Remove OEM differential vent tube using a 16mm socket \ wrench.
(Photo # 69)

Disconnect OEM ABS \ brake line bracket.

Reinstall diff vent tube (hand tighten only).



6. If equipped, disconnect OEM Electric Locker plug from passenger side rear differential. (Photo # 70)

Rear Lift Option 1: Rear Block & U-Bolt Installation

7. While checking for appropriate slack in ABS lines, electrical lines, brake lines, rear emergency brake cables, & etc. Lower axle away from leaf springs to allow clearance for Skyjacker block.

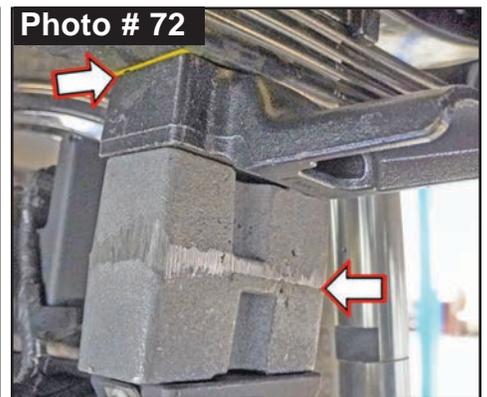
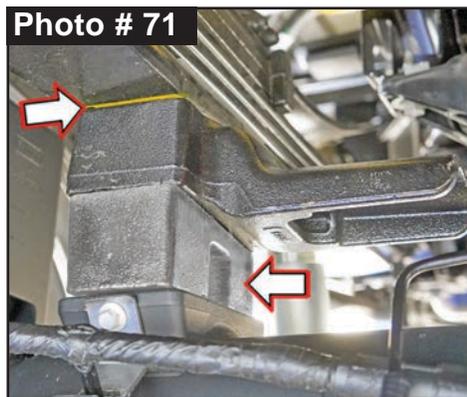
Clean spring pads of all debris.

4" Lift: Position Skyjacker # RB20 2" Tapered Block on top of axle pad & under OEM block. (Photo # 71)

Note: Place taller end of lift block toward rear of vehicle.

6" Lift: Position Skyjacker # RB45 4.5" Tapered Block on top of axle pad & under OEM block. (Photo # 72)

Note: Place taller end of lift block toward rear of vehicle.



Tech Note: OEM block with built-in bump stop goes on top of Skyjacker Block. OEM leaf spring has a 'yellow' alignment mark for OEM block.

Raise axle to mate leaf springs to lift blocks. **Note:** Be sure that leaf spring center bolt heads seat properly into block & that block pins seat properly into top of axle pad.

8. Install Skyjacker 5/8" U-Bolts over OEM top plate \ leaf springs down into OEM u-bolt plate. Install supplied 5/8" Nylon Insert Nuts using a 15/16" socket \ wrench.

Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque 132 ft.-lbs.

Rear Lift Option 2: Replacement Softride® Leaf Spring Installation

9. While checking for appropriate slack in ABS lines, electrical lines, brake lines, rear e-brake cables, & etc. Lower axle away from leaf springs to allow clearance for Skyjacker rear springs.

Remove OEM rear leaf spring. (Note direction of OEM hardware.) **NOTE:** Driver side front spring eye OEM bolt can not be removed & re-used unless OEM fuel tank is lowered. Skyjacker supplies a replacement bolt for a remove & replace option for driver side only.

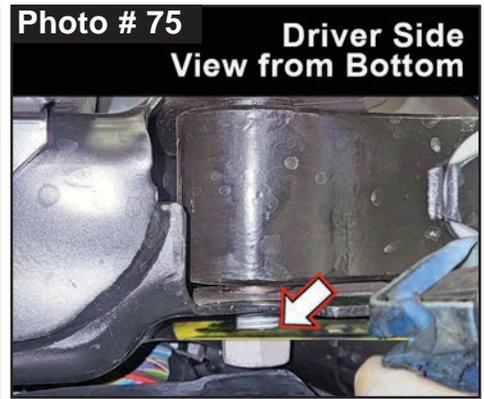
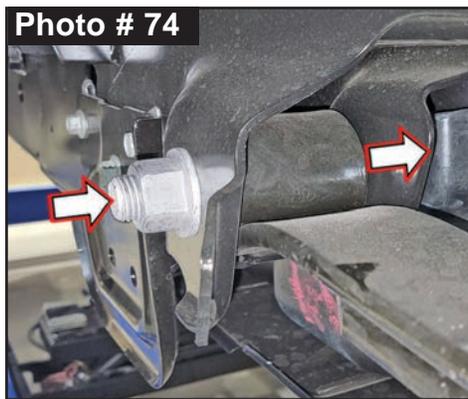
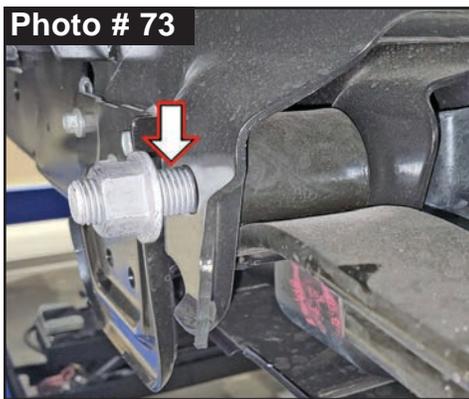
Loosen driver side front spring eye bolt & nut by 5/8" with 1-3/16" \ 30mm & 1-1/4" \ 32mm socket \ wrench. (Photo # 73)

With nut still on bolt, tap bolt toward inside of vehicle using a ball peen hammer. (Photo # 74)

With shank of bolt exposed, cut off bolt head using a reciprocating saw. (Photo # 75)

CAUTION: Cut Off Bolt Head Slowly & Carefully to Not Damage Fuel Tank.

Leave bolt inside spring eye at this time.



10. Loosen rear frame \ shackle mount bolt using 24mm socket \ wrench. Retain tab nut. (Photo # 76)

Loosen rear spring \ shackle eye bolt using 21mm & 24mm socket \ wrench. (Photo # 76)

Remove spring eye bolts (Note direction of OEM hardware.) Remove leaf spring with rear OEM shackle attached.

Remove rear spring \ shackle eye bolt from OEM spring eye using 21mm & 24mm socket \ wrench. Attach OEM shackle to Skyjacker rear spring eye.



Note: 'Clamp-End' of Skyjacker leaf spring mounts to front frame mount. (Photo # 77)

11. Attach 'clamp-end' of Skyjacker leaf spring to OEM front frame mount with supplied hardware.

Insert supplied 22mm x 150mm Bolt with 22mm Flat Washer through front OEM spring frame mount & Skyjacker spring eye from outside-to-inside. (Photo # 77) Attach with 22mm Flat Washer & 22mm Nylon Insert Lock Nut using a 1-1/4" \ 32mm socket \ wrench. Secure, but **Do Not Completely Tighten** leaf spring hardware at this time.

Attach Skyjacker leaf spring \ OEM shackle to rear frame \ shackle mount with OEM hardware using 24mm socket \ wrench. (Photo # 76) Secure, but **Do Not Completely Tighten** at this time.

12. Raise axle to mate Skyjacker leaf springs to OEM lift block.

Note: Be sure that leaf spring center bolt heads seat properly into block & that block pins seat properly into top of axle pad.

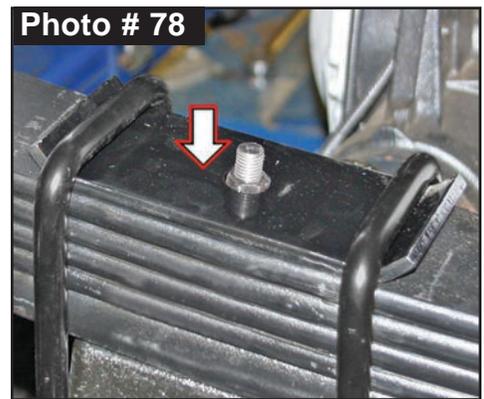
Note: Skyjacker Top Spring Plate Brackets Are Not Side Specific. # SP348-B Driver or Passenger Side.

Install supplied Top Spring Plate. (Photo # 78)

Install Skyjacker 5/8" U-Bolts over Skyjacker Top Spring Plate \ leaf springs down into OEM u-bolt plate.

Install supplied 5/8" Nylon Insert Nuts using a 15/16" socket \wrench.

Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque 132 ft.-lbs.



NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 13.

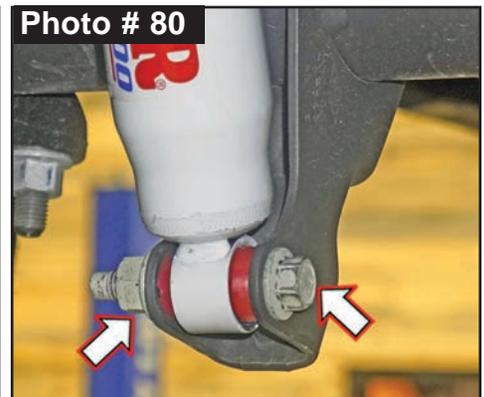
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 14.

13. Install Skyjacker rear shock.

Connect upper shock mount with OEM hardware using an 18mm socket \wrench. (Photo # 79) Secure, but **Do Not Completely Tighten**.

Connect lower shock mount with OEM hardware using an 18mm & a 21mm socket \wrench. (Photo # 80)

Secure, but **Do Not Completely Tighten**.



14. Locate Skyjacker ADX rear shock. Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a hex key socket (one (1) front & one (1) back). (Photo # 81)

Position clamp into place around shock body & reservoir cylinder. Secure, but **Do Not Completely Tighten**.

Install Skyjacker ADX rear shock. Connect upper shock mount with OEM hardware using a 18mm socket \wrench. Connect lower shock mount with OEM hardware using an 18mm & a 21mm socket \wrench. Secure, but **Do Not Completely Tighten** at this time.

CAUTION: Make Sure ADX Shock Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout Full Travel Cycle of Suspension. (Frame rail, frame brackets, springs, brake lines, exhaust, etc.) Use a hex key socket to loosen clamps to position reservoir cylinder as needed.



15. Remove OEM differential vent tube from driver side OEM diff tube mount. Connect OEM ABS \ brake line bracket to diff with OEM diff vent tube using a 16mm socket \wrench. (Photo # 69)
Connect OEM differential vent hose to OEM diff tube mount. (Photo # 69)

16. If equipped, connect OEM Electric Locker plug to passenger side rear differential. (Photo # 70)
17. Install rear tires \ wheels using a 21mm socket. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

Final Steps:

1. Start vehicle. Make sure there are no dash lights pertaining to suspension.
2. Jounce vehicle a couple of times. This will help suspension settle to new ride height. Cycle steering lock-to-lock & check all components for proper operation & clearances. Pay special attention to clearance between tires \ wheels, shocks, hub vacuum lines, brake hoses, ABS wiring, all electrical plugs, etc.
3. **Front Tighten & Torque Sequence.**
 Front shock absorber upper mount using an 18mm socket \ wrench. Torque 32 ft-lbs.
 Front shock absorber lower mount using a 21mm socket \ wrench. Torque 65 ft-lbs.
 Track bar to Skyjacker bracket using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench.
 Torque 250 ft-lbs.
 Sway bar end link to sway bar using an 18mm socket \ wrench. Torque 35 ft-lbs.
 OEM radius arm to OEM axle mount using a 24mm & 1-1/16" \ 27mm socket \ wrench.
 Torque 222 ft-lbs.
 OEM radius arm to Skyjacker Radius Arm Bracket using a 24mm socket \ wrench.
 Torque 222 ft-lbs.
4. **Rear Tighten & Torque Sequence.**
 Rear shock absorber upper mount using an 18mm socket \ wrench. Torque 65 ft-lbs.
 Rear shock absorber lower mount using an 18mm & a 21mm socket \ wrench. Torque 65 ft-lbs.
 Torque u-bolts evenly using an 'X' crisscross tightening sequence. Torque 132 ft.-lbs.
 Skyjacker Replacement Leaf Springs:
 Front frame spring eye bolt with a 1-3/16" \ 30mm & 1-1/4" \ 32mm socket \ wrench.
 Torque 132 ft.-lbs.
 Rear frame \ shackle mount bolt using a 24mm socket \ wrench. Torque 132 ft.-lbs.
 Rear spring \ shackle eye bolt using a 21mm & a 24mm socket \ wrench. Torque 132 ft.-lbs.

Final Notes:

- After installation is complete, double check that all nuts & bolts are tight. Refer to following chart for proper torque specifications. (**Note:** Do not re-tighten nuts & bolts where thread lock compound was used.)
- With vehicle placed on ground, cycle steering lock to lock & inspect steering, suspension, brake lines, front & rear drivelines, fuel lines & wiring harnesses for proper operation, tightness & adequate clearance.
- Have headlights readjusted to proper settings.
- Have a qualified alignment center align vehicle to OEM specifications.
- After first 100 miles, check all hardware for proper torque & periodically thereafter.

TORQUE SPECIFICATIONS					
INCH SYSTEM			METRIC SYSTEM		
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 8.8	Class 10.9
5/16	180 in-lbs	240 in-lbs	6MM	102 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	16 ft-lbs	23 ft-lbs
7/16	45 ft-lbs	60 ft-lbs	10MM	32 ft-lbs	45 ft-lbs
1/2	65 ft-lbs	90 ft-lbs	12MM	55 ft-lbs	75 ft-lbs
9/16	95 ft-lbs	130 ft-lbs	14MM	85 ft-lbs	120 ft-lbs
5/8	135 ft-lbs	175 ft-lbs	16MM	130 ft-lbs	165 ft-lbs
3/4	185 ft-lbs	280 ft-lbs	18MM	170 ft-lbs	240 ft-lbs
Above Specifications Are Not to Be Used When Bolt Is Being Installed With a Bushing.					