



2017> Ford F-250 Super Duty 4WD
 2017> Ford F-350 Super Duty 4WD
2.5" Front Leveling Kits
Metal Front Spacers with
Shock Extension Brackets # F1725MSB
Front Replacement Coil Springs with
Shocks or Extension Brackets
F1720VBK / F1725VBK
Installation Instructions

Required Tools List:

- **SAE Sockets \ Wrenches**
(1/2", 5/8", 13/16", 7/8", 1-1/16" & 1-3/16")
- **Metric Sockets \ Wrenches**
(10mm, 13mm, 15mm, 18mm, 21mm, 22mm, 24mm, 27mm & 30mm)
- **Diagonal Cutting Pliers**
- **6mm Hex Key Socket**
- **Adjustable Channel Lock Pliers**
- **Flathead Screwdriver**
- **Safety Glasses** • **Hammer**
- **Jack Stands** • **Wheel Chock**
- **Floor Jack** • **Measuring Tape**
- **Torque Wrench**



Before beginning installation, read these instructions & enclosed driver's WARNING NOTICE thoroughly & completely. Also affix WARNING decal in passenger compartment in clear view of all occupants. Please refer to Parts List to insure that all parts & hardware are received prior to disassembly of vehicle. If any parts are found to be missing, contact SKYJACKER® Customer Service at 318-388-0816 to obtain needed items. If you have any questions or reservations about installing this product, contact SKYJACKER® Technical Assistance at 318-388-0816.

Please Record the Important Measurement Information Below for Reference.

It is very helpful on determining an Accurate Achieved Lift Height Measurement.

Make sure you park vehicle on a level concrete or asphalt surface. Many times a vehicle is not level (side-to-side) from factory, but is usually not noticed until a lift kit has been installed which makes difference more visible. Using a measuring tape, measure front & rear (both sides) from ground up to center of fender opening above axle.

Driver Side Front: _____ / _____	Passenger Side Front: _____ / _____
BEFORE / AFTER	BEFORE / AFTER
Driver Side Rear: _____ / _____	Passenger Side Rear: _____ / _____
BEFORE / AFTER	BEFORE / AFTER

Important Notes:

- This Suspension Lift is NOT Designed to Fit Models Equipped with Tremor Off-Road Package.
- If Larger Tires (10% More Than the OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local FORD Dealer or an Authorized Skyjacker® Dealer for Details.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.
- OEM Drag Link Must Be Adjusted to Center the Steering Wheel Before the Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance.
- OEM Front Track Bar Bolt Requires 406 ft-lbs of Torque to be Installed Correctly. (After Installation Is Complete, It Is Suitable to Install OEM Hardware & Torque to 200+ ft-lbs Range, Then Immediately Take Vehicle to a Alignment Shop to Torque to OEM Correct Specifications.)
- 2023> Ford F250 / F350 Super Duty Equipped with OEM Onboard Scale with Smart Hitch Monitoring System Option Requires Skyjacker's Onboard Scales / Auto-Leveling Headlight Extension Brackets. (Part # F2325HLE Sold Separately).

Kit Breakdown:**Part # F1720VBK-B**

Item #	Description	Qty
F1720VB	COMP BX: F250\F350 2.5 LIFT KIT	1
B8591 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2

Part # F1720VBK-E

Item #	Description	Qty
F1720VB	COMP BX: F250\F350 2.5 LIFT KIT	1
F17SE25	SHOCK EXTENSION BRKT. KIT	1

Part # F1720VBK-M

Item #	Description	Qty
F1720VB	COMP BX: F250\F350 2.5 LIFT KIT	1
M9591 (FRONT)	M95 MONOTUBE SHOCK	2

Part # F1720VBK-X

Item #	Description	Qty
F1720VB	COMP BX: F250\F350 2.5 LIFT KIT	1
A2091 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2

Component Box Breakdown:**Part # F1720VB**

Item #	Description	Qty
F520S	COIL SPRINGS, GAS MODELS	2
TB1120-B	TRACK BAR BRACKET	1
H-BOX F1725VB	HDWR BOX: FOR F1725VB	1

Kit Breakdown:**Part # F1725MSB**

Item #	Description	Qty
BSS275-B	BUMP STOP SPACER, 2.75 TALL	2
F17SE25-S	SHOCK EXTENSION BRACKET	2
F52MS-S	COIL SEAT METAL SPACER	2
SBL20-L	SWAY BAR LOWERING BRKT, DR	1
SBL20-R	SWAY BAR LOWERING BRKT, PA	1
TB1120-B	TRACK BAR BRACKET	1
HB-F1725BLE	HDWR BAG: BRAKE LINE BRKT.	1
HB-F17SE25	HDWR BAG: SHOCK BRACKET	1
HB-F52MS	HDWR BAG: METAL SPACERS	1
HB-5451BSS	HDWR BAG: BUMP STOP	1
HB-SBL	HDWR BAG: SWAY BAR BRKT.	1
HB-TB5250	HDWR BAG: TRACK BAR BRKT.	1

Kit Breakdown:**Part # F1725VBK-B**

Item #	Description	Qty
F1725VB	COMP BX: F250\F350 2.5 LIFT KIT	1
B8591 (FRONT)	BLACK MAX SHOCK W/BLK BOOT	2

Part # F1725VBK-E

Item #	Description	Qty
F1725VB	COMP BX: F250\F350 2.5 LIFT KIT	1
F17SE25	SHOCK EXTENSION BRKT. KIT	1

Kit Breakdown:**Part # F1725VBK-M**

Item #	Description	Qty
F1725VB	COMP BX: F250\F350 2.5 LIFT KIT	1
M9591 (FRONT)	M95 MONOTUBE SHOCK	2

Part # F1725VBK-X

Item #	Description	Qty
F1725VB	COMP BX: F250\F350 2.5 LIFT KIT	1
A2091 (FRONT)	ADX 2.0 REMOTE RESERVOIR	2

Component Box Breakdown:**Part # F1725VB**

Item #	Description	Qty
F525VS	COIL SPRINGS, VARIABLE RATE	2
TB1120-B	TRACK BAR BRACKET	1
H-BOX F1725VB	HDWR BOX: FOR F1725VB	1

Hardware Box Breakdown:**Part # H-BOX F1725VB**

Item #	Description	Qty
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
HB-5451BSS	HDWR BAG: BUMP STOP	1
HB-F1725BLE	HDWR BAG: BRAKE LINE BRKT.	1
HB-SBL	HDWR BAG: SWAY BAR BRKT.	1
HB-TB5250	HDWR BAG: TRACK BAR BRKT.	1

Hardware Bag Breakdown:**Part # HB-F1725BLE**

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

Part # HB-F17SE25

Item #	Description	Qty
916X3FTB	9/16 X 3 FINE THREAD BOLT	2
916FTN	9/16 FINE N/I LOCK NUT	2
916SAEW	9/16 SAE WASHER	4

Part # HB-F52MS

Item #	Description	Qty
14X120MMB	14MM X 120MM, 2.0 TP BOLT	2
916XTFW	9/16 EXTRA THICK WASHER	2
LT100	NUTS N' BOLTS 427 1 ML TUBE	1

Part # HB-5451BSS

Item #	Description	Qty
8X90MMB	8MM X 90MM BOLT, 10.9	2
516SAEW	5/16 SAE WASHER	2
LT100	NUTS N' BOLTS 427 1 ML TUBE	1

Hardware Bag Breakdown:**Part # HB-SBL**

Item #	Description	Qty
716X112FTB	7/16 X 1-1/2 FINE THRD BOLT	4
716FTN	7/16 FINE N/I LOCK NUT	4
716SAEW	7/16 SAE WASHER	8

Hardware Bag Breakdown:**Part # HB-TB5250**

Item #	Description	Qty
916X3FTB	9/16 X 3 FINE THREAD BOLT	3
916FTN	9/16 FINE N/I LOCK NUT	3
916SAEW	9/16 SAE WASHER	6
D260PSS-S	SLEEVE, 15/16 LENGTH	3

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.

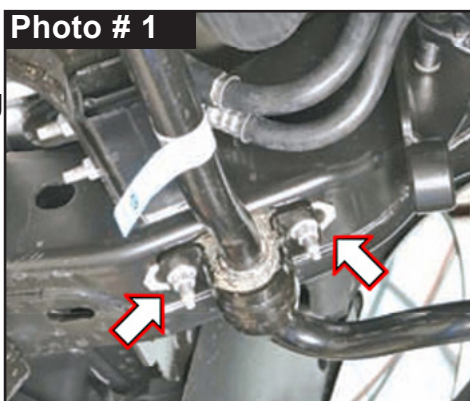
1. Chock rear tires \ wheels. Ensure that vehicle transmission is in PARK & engage emergency brake. **Note:** Be sure steering wheel \ wheels are pointing straight forward.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual. **Tech Note:** OEM radius arms will need to move freely during this installation.
3. Remove the 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: # SBL20-L Driver & # SBL20-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)

Install Skyjacker Sway Bar Lowering Bracket to appropriate side of vehicle frame mount with OEM hardware using a 15mm wrench. (Photo # 2)

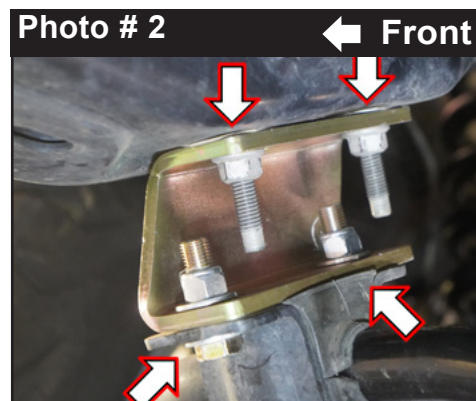
Connect OEM sway bar mount to Skyjacker Sway

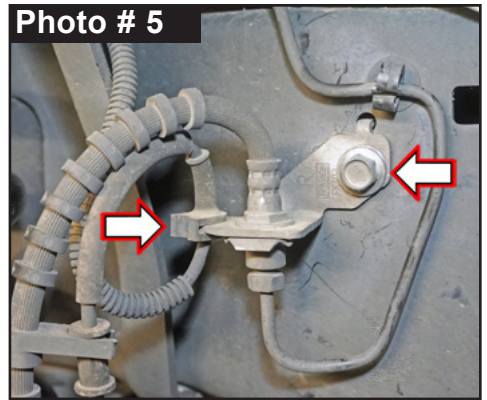
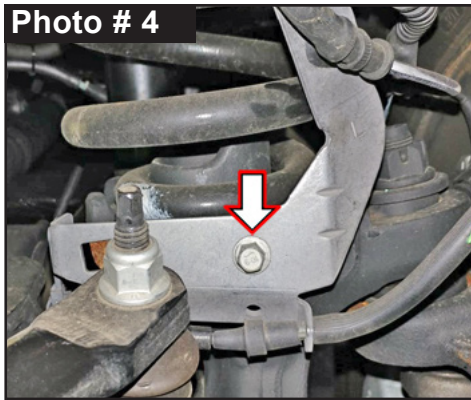
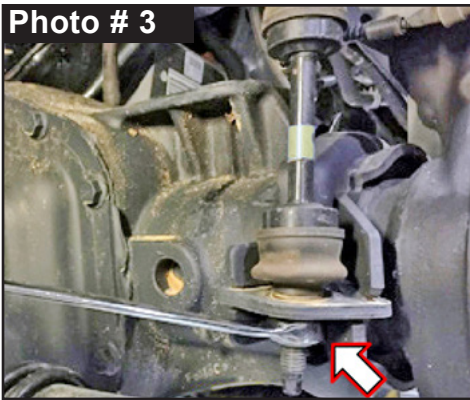
Bar Lowering Bracket with supplied 7/16" x 1-1/2" Fine Thread Bolt with 7/16" SAE Washer bottom & 7/16" SAE Washer with 7/16" Nylon Insert Lock Nut top using a 5/8" socket \ wrench. (Photo # 2)

5. Disconnect OEM front sway bar end links from OEM sway bar at axle mount using a 18mm socket \ wrench. (Photo # 3)

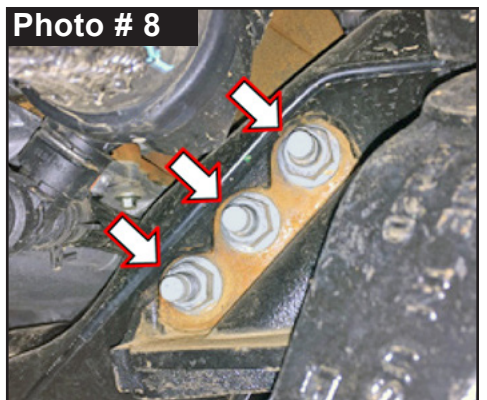
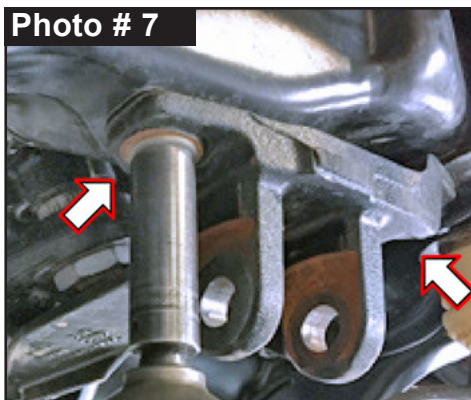
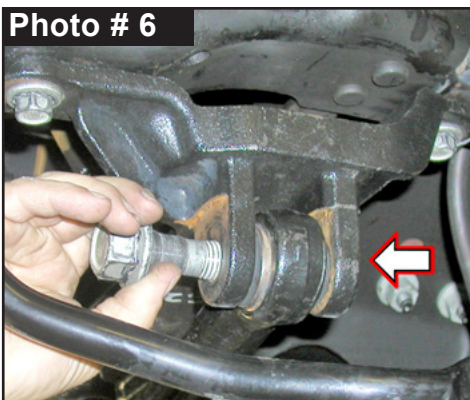


6. Disconnect OEM brake line bracket at axle using a 10mm socket \ wrench. (Photo # 4)



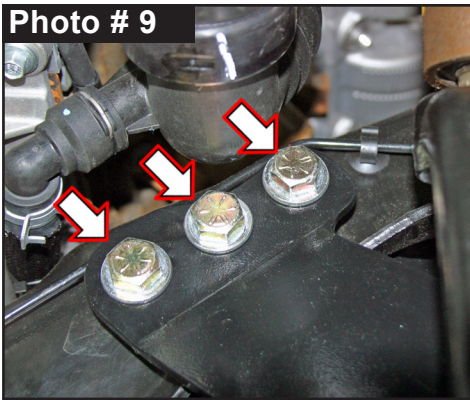


7. Unclip OEM ABS line rubber grommet from upper OEM brake line bracket at frame. (Photo # 5) Remove OEM brake line bracket using a 13mm socket \ wrench.
8. Disconnect OEM drag link from OEM pitman arm using a 24mm socket \ wrench.
9. Disconnect OEM track bar from OEM track bar frame mount bracket using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench. (Photo # 6)
 Remove two (2) bolts at OEM track bar frame mount bracket using a 18mm socket \ wrench. (Photo # 7)
 Remove three (3) bolts at crossmember mount using a 21mm socket \ wrench. (Photo # 8)



10. Install Skyjacker # TB1120-B Track Bar Bracket to the OEM crossmember. 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.
 Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. (Photo # 9) Secure, but **Do Not Completely Tighten** at this time.
 Attach Skyjacker track bar bracket to the frame with OEM hardware using a 18mm socket \ wrench. (Photo # 10)
 Tighten all track bar bracket hardware at this time. Torque 130 ft-lbs.

11. Remove OEM bump stop using adjustable channel lock pliers or a flat screwdriver.
 Remove OEM bump stop cup from frame using a 10mm 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)



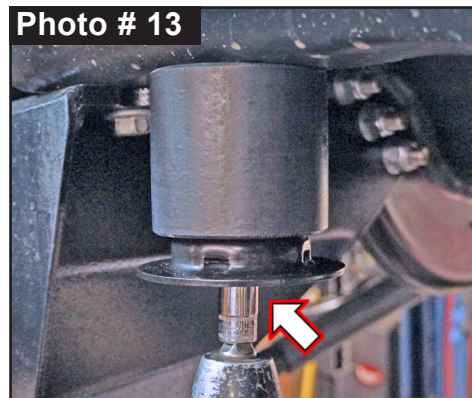
12. Place supplied 5/16" SAE Washer onto 8mm x 90mm bolt. Apply a few drops of supplied # LT100 Thread Lock Compound onto 8mm x 90mm bolt.

Install Skyjacker # BSS275-B Bump Stop Spacer with OEM bump stop cup to the frame mount using a 13mm socket \wrench. (Photo # 13)

Install the OEM bump stop into OEM bump stop cup.

NOTE: If Installing Replacement Shock Extension Brackets, Remove Lower Shock Mount Only. If Installing Replacement Shocks, Remove Shock Completely.

13. Disconnect OEM front shocks at lower mount using a 18mm socket \wrench. (Photo # 14)
 Disconnect OEM front shocks at upper mount using a 21mm socket \wrench. (Photo # 15)

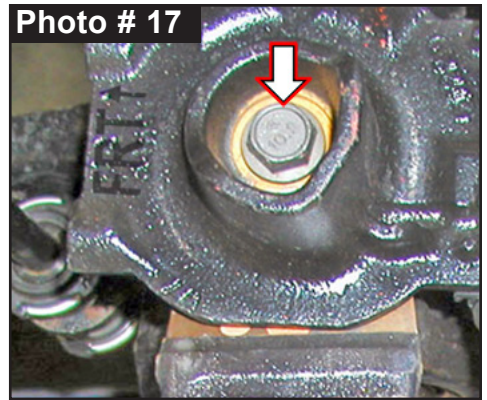
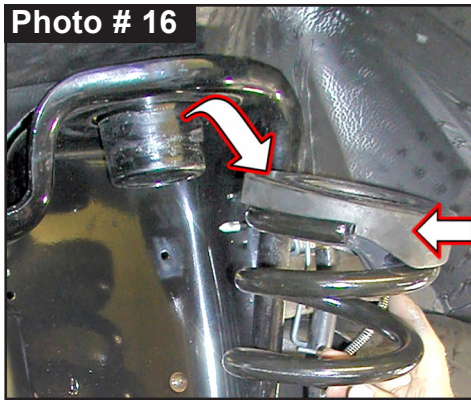
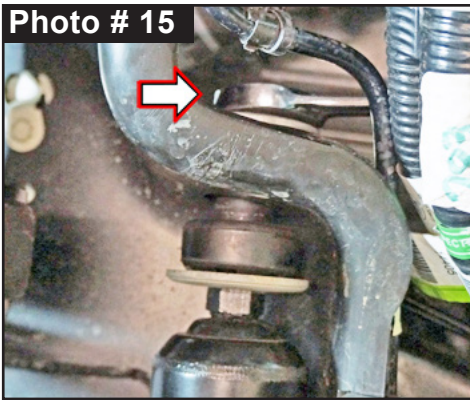


14. While checking for appropriate slack in hub vacuum lines, ABS lines, brake lines, vent hose, & etc. Lower front differential. Remove OEM front coil springs. (Photo # 16) **Note:** Retain OEM upper rubber isolator pads. Isolators will be used when front coil springs are installed.

**NOTE: Installing Coil Seat Metal Spacers: Proceed to Step 15.
 Replacing Front Coil Springs: Proceed to Step 19.**

15. **Note:** OEM Lower Coil Spring Seats Are Side Specific: Each is cast with **FRT↑** designating their orientation on the vehicle. Remove OEM lower coil spring seat center mounting bolt using a 21mm socket. (Photo # 17)

16. Clean axle knuckle of all debris. Position Skyjacker # F52MS-S Coil Seat Metal Spacer on top of differential knuckle. Be sure Metal Spacer aligns with lower contours of differential knuckle. (Photo # 18)



17. Clean top of Metal Spacer of all debris. Position OEM lower coil seat on top of Metal Spacer. Be sure all three (3) are aligned properly (differential knuckle, Metal Spacer & top coil seat).

Note: OEM coil seat **FRT** orientation on the vehicle.

18. Insert supplied 9/16" Extra Thick Washer over supplied 14mm x 120mm Metric Bolt. Apply supplied # LT100 Thread Lock Compound to bolt. Install using a 22mm socket. Torque 85 ft-lbs.

19. Lower OEM axle & install Coil Springs. Be sure coil spring is seated properly into OEM lower coil spring seat by rotating the coil until the pigtail hits the spring stop. **Note:** Be sure OEM upper coil spring isolator is properly aligned with coil & upper coil spring mount.

Raise front axle in order to load coil springs assembly.

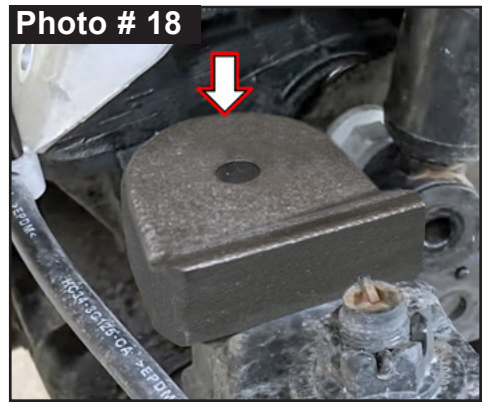
NOTE: Kit With ADX 2.0 Remote Reservoir: Proceed to Step 20.
 Kit With Black MAX \ M95 Monotube: Proceed to Step 21.
 Kit With Lower Shock Extension: Proceed to Step 22.

20. Locate Skyjacker ADX front shock. Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a 6mm Hex Key socket. Position clamp into place around shock body & reservoir cylinder. Secure, but **Do Not Completely Tighten** at this time.

Install Skyjacker ADX front shock. (Photo # 19)

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.

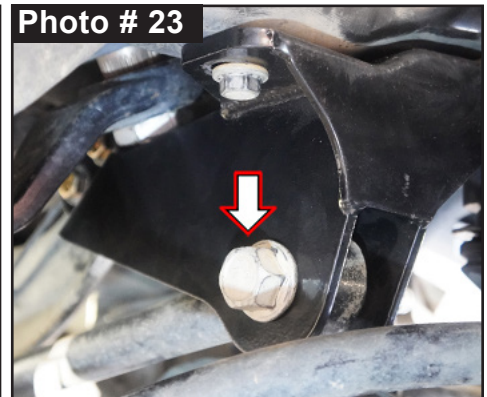
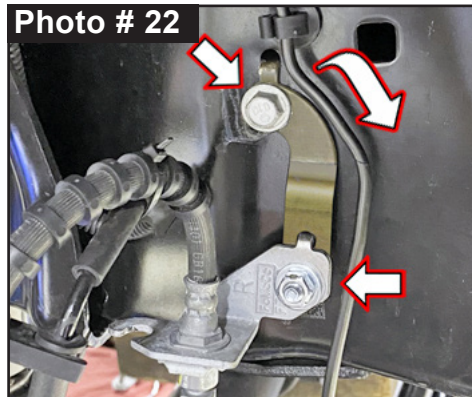
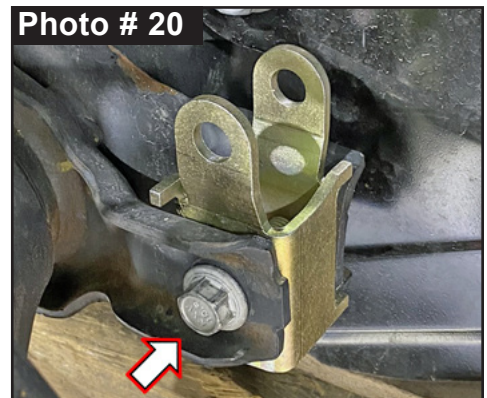
CAUTION: Make Sure ADX Shock Reservoir \ Reservoir Hose Does Not & Will Not Make Contact with Anything Throughout the Full Travel Cycle of the Suspension. (frame, frame brackets, springs, brake lines, exhaust, etc.) For proper clearance, it may be necessary to change the location or orientation of the reservoir on the shock body. Use a 6mm Hex Key socket to loosen clamps to position reservoir cylinder as needed. **Proceed to Step 23.**



21. Connect Skyjacker front shock at upper shock tower mount using a 18mm socket \ wrench. **Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body \ stem up. Connect Skyjacker shock at lower axle mount with OEM hardware using a 21mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. 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 23.**

22. **Note:** Skyjacker Front Shock Extension Brackets Are Not Side Specific: # F17SE25-S. Place Skyjacker Front Shock Extension Bracket inside OEM lower shock mount. (Photo # 20) Insert OEM bolt from outside-to-inside & attach with OEM nut using a 21mm socket \ wrench. Torque 46 ft-lbs. Place OEM lower shock mount inside Skyjacker bracket. Insert supplied 9/16" x 3" Fine Thread Bolt with 9/16" SAE Washer from outside-to-inside through bracket \ shock. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. (Photo # 21) Secure, but **Do Not Completely Tighten** at this time.

23. **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 # 22)



Attach OEM \ Skyjacker Bracket into OEM frame mount with OEM bolt using a 13mm socket \ wrench. **Tech Note:** On some models, OEM metal brake line may need to be curved slightly. While holding OEM front metal brake line in place, carefully bend \ straighten as needed.

- 24. Attach OEM ABS line rubber grommet to OEM front brake line bracket. (Photo # 5)
- 25. Connect OEM brake line bracket at axle using a 10mm socket \ wrench. (Photo # 4)
- 26. Install the front tires \ wheels using a 21mm socket & lower the front of the vehicle to the ground.
- 27. Connect OEM front sway bar end links to OEM sway bar at axle mount using a 18mm socket \ wrench. (Photo # 3)

28. Connect OEM track bar to Skyjacker Track Bar Bracket with OEM bolt from front-to-rear. Attach with OEM nut. Tighten using a 1-1/16" \ 27mm & 1-3/16" \ 30mm socket \ wrench. (Photo # 23)
29. Connect OEM drag link to OEM pitman arm with OEM hardware using a 24mm socket \ wrench. **Note:** Drag Link Must Be Adjusted to Center the Steering Wheel Before the Vehicle Is Driven. Failure to Do So Will Cause Computer Errors, Odd Handling Characteristics, & Poor Performance. Adjust using 13mm & 15mm socket \ wrench.

Final Front 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, ADX Shocks & Reservoirs, hub vacuum lines, brake hoses, ABS wiring, etc.
3. **Front Tighten & Torque Sequence.**
 Front shock absorber upper mount using a 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 406 ft-lbs.
 Sway bar end link to sway bar using a 18mm socket \ wrench. Torque 35 ft-lbs.

Final Notes:

- After installation is complete, double check that all nuts & bolts are tight. Refer to the 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	60 in-lbs	108 in-lbs
3/8	30 ft-lbs	35 ft-lbs	8MM	216 in-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
The Above Specifications Are Not to Be Used When the Bolt Is Being Installed With a Bushing.					

Seat Belts Save Lives, Please Wear Your Seat Belt.