

Component Box Breakdown:

Part # G55FR

| Item # | Description | Qty |
|-----------|---------------------------|-----|
| G45FS-DR | DUAL RATE COIL, FRONT | 2 |
| G225RS-DR | DUAL RATE COIL, REAR 22.5 | 1 |
| G230RS-DR | DUAL RATE COIL, REAR 23.0 | 1 |
| WD1 | WARNING DECAL | 1 |

Part # G55FRD

| Item # | Description | Qty |
|------------|---------------------------|-----|
| G45HDFS-DR | HD DUAL RATE COIL, FRONT | 2 |
| G225RS-DR | DUAL RATE COIL, REAR 22.5 | 1 |
| G230RS-DR | DUAL RATE COIL, REAR 23.0 | 1 |
| WD1 | WARNING DECAL | 1 |

Part # G565XLT

| Item # | Description | Qty |
|------------|------------------------------|-----|
| JLL24F-SX | LOWER FLEX LINKS, FRT PAIR | 1 |
| GULR24-SX | UPPER FLEX LINKS, RR PAIR | 1 |
| JLFTBA18-B | TRACK BAR, FRONT | 1 |
| 34RFTJN | 3/4 RIGHT HAND JAM NUT | 1 |
| HD34X34DTB | HD 3/4 ROD END / TRACK BAR | 1 |
| JTGRTB-B | TRACK BAR BRACKET, REAR | 1 |
| H-BOX G552 | HWDR BOX: G552/602/652 KITS | 1 |

Part # G65FR

| Item # | Description | Qty |
|------------|---------------------------|-----|
| G45HDFS-DR | HD DUAL RATE COIL, FRONT | 2 |
| G235RS-DR | DUAL RATE COIL, REAR 23.5 | 1 |
| G240RS-DR | DUAL RATE COIL, REAR 24.0 | 1 |
| WD1 | WARNING DECAL | 1 |

Part # GR60FR

| Item # | Description | Qty |
|------------|---------------------------|-----|
| G45HDFS-DR | HD DUAL RATE COIL, FRONT | 2 |
| G235RS-DR | DUAL RATE COIL, REAR 23.5 | 1 |
| G240RS-DR | DUAL RATE COIL, REAR 24.0 | 1 |
| WD1 | WARNING DECAL | 1 |

Part # G65B

| Item # | Description | Qty |
|---------------|----------------------------|-----|
| B8389 (FRONT) | BLACK MAX SHOCK W/BLK BOOT | 2 |
| B8398 (REAR) | BLACK MAX SHOCK W/BLK BOOT | 2 |

Part # G65M

| Item # | Description | Qty |
|---------------|--------------------|-----|
| M9389 (FRONT) | M95 MONOTUBE SHOCK | 2 |
| M9398 (REAR) | M95 MONOTUBE SHOCK | 2 |

Part # G65X

| Item # | Description | Qty |
|---------------|--------------------------|-----|
| A2389 (FRONT) | ADX 2.0 REMOTE RESERVOIR | 2 |
| A2398 (REAR) | ADX 2.0 REMOTE RESERVOIR | 2 |

Hardware Box Breakdown:

Part # H-BOX G552

| Item # | Description | Qty |
|-------------|-----------------------------|-----|
| JTG30RBS-S | 3.0 BUMP STOP BRACKET, RR | 2 |
| SBE4058-L | SWAY BAR END LINK, FRT | 2 |
| SBE507-L | SWAY BAR END LINK, RR | 2 |
| RBL55 | BRAKE LINES, REAR PAIR | 1 |
| HB-ABSS2535 | HDWR BAG: BUMP STOP, FRT | 1 |
| HB-JLFTBB | HDWR BAG: TRACK BAR BRKT, F | 1 |
| HB-JTGRBS | HDWR BAG: BUMP STOP, RR | 1 |
| HB-JTGRTB | HDWR BAG: TRACK BAR BRKT, R | 1 |
| HB-JTGSBER | HDWR BAG: SB END LINK, RR | 1 |
| HB-SBENB03 | HDWR BAG: SB END LINK, FRT | 1 |
| I-G565 | INST SHEET: G565 KITS | 1 |

Part # JLL24F-SX

| Item # | Description | Qty |
|--------------|-----------------------------|-----|
| JL24LLF-SX-L | LOWER SINGLE FLEX LINK, FRT | 2 |
| RE114-640R | 1-1/4 ROD END, RIGHT HAND | 2 |
| 114RFTJN | 1-1/4 RIGHT HAND JAM NUT | 2 |

Part # GULR24-SX

| Item # | Description | Qty |
|-------------|----------------------------|-----|
| GULR24-SX-L | UPPER SINGLE FLEX LINK, RR | 2 |
| RE114-640R | 1-1/4 ROD END, RIGHT HAND | 2 |
| 114RFTJN | 1-1/4 RIGHT HAND JAM NUT | 2 |

Part # RBL55

| Item # | Description | Qty |
|--------|-------------------------|-----|
| RBL55S | BRAKE LINE, RR | 2 |
| 3CCW | 3/8 COPPER CRUSH WASHER | 4 |
| HC1 | BRAKE LINE CLIP | 2 |
| BTIE-K | BLACK PLASTIC TIE | 10 |
| I-BL | INST SHEET: BRAKE LINES | 1 |

Hardware Bag Breakdown:

Part # HB-ABSS2535

| Item # | Description | Qty |
|-----------|------------------------------|-----|
| ABSS2535 | BUMP STOP SPACER, FRT | 2 |
| 38X412BHB | 3/8 X 4-1/2 BUTTON HEAD BOLT | 2 |
| 38SAEW | 3/8 SAE WASHER | 2 |
| 38CTN | 3/8 COARSE THRD N/I LOCK NUT | 2 |

Part # HB-JLFTBB

| Item # | Description | Qty |
|--------|----------------------------|-----|
| JLFTBB | ROD END BUSHING / 0.563 ID | 2 |

Part # HB-JTGRBS

| Item # | Description | Qty |
|----------|-------------------------------|-----|
| 516X1FTB | 5/16 X 1 FINE THREAD BOLT | 4 |
| 516SAEW | 5/16 SAE WASHER | 8 |
| 516FTN | 5/16 FINE THREAD N/I LOCK NUT | 4 |

Part # HB-JTGRTB

| Item # | Description | Qty |
|------------|-------------------------------|-----|
| TBS1656 | CRUSH SLEEVE / 1.656 LONG | 1 |
| 716X114FTB | 7/16 X 1-1/4 FINE THREAD BOLT | 2 |
| 716SAEW | 7/16 SAE WASHER | 4 |
| 716FTN | 7/16 FINE THRD N/I LOCK NUT | 2 |
| 916X312FTB | 9/16 X 3-1/2 FINE THREAD BOLT | 1 |
| 916SAEW | 9/16 SAE WASHER | 2 |
| 916FTN | 9/16 FINE THRD N/I LOCK NUT | 1 |

Hardware Bag Breakdown:

Part # HB-JTGSBER

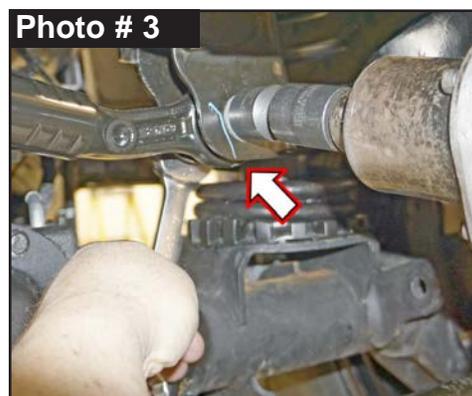
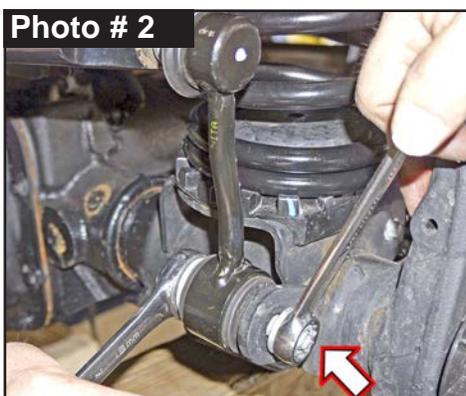
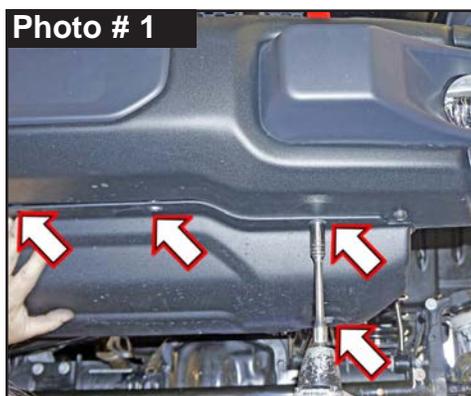
| Item # | Description | Qty |
|-----------|----------------------------|-----|
| HG58125-K | BLACK HOURGLASS BUSHING | 4 |
| 403712 | CRUSH SLEEVE / 1.25 LONG | 4 |
| 12X65MMB | 12MM X 65 METRIC BOLT | 2 |
| 716USSW | 7/16 USS FLAT WASHER | 6 |
| 12MMN | 12MM NYLON INSERT LOCK NUT | 2 |

Part # HB-SBENB03

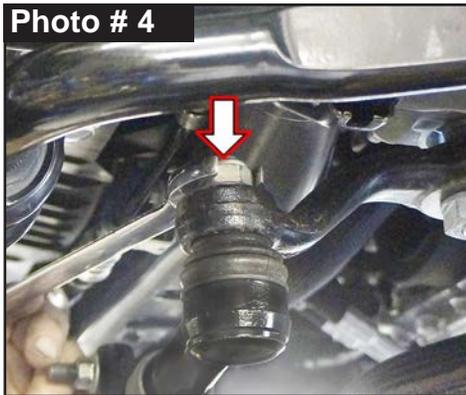
| Item # | Description | Qty |
|----------|----------------------------|-----|
| 141509 | ES25 SLEEVE, 1.50 LONG | 4 |
| 12X70MMB | 12 X 70 METRIC BOLT \ 10.9 | 2 |
| 716USSW | 7/16 USS FLAT WASHER | 4 |
| 12MMN | 12MM NYLON INSERT LOCK NUT | 2 |

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

1. With vehicle on flat level ground, set emergency brake & chock rear tires \ wheels.
2. Raise front of vehicle, support frame rails using jack stands at indicated lift points in OEM service manual.
3. Remove the front tires \ wheels using a 22mm socket.
4. Remove OEM front skid plate using a 13mm socket \ wrench. (See Photo # 1)
5. Remove OEM front sway bar end links using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (See Photo # 2)
6. Disconnect OEM front track bar from frame using a 21mm socket \ wrench. (See Photo # 3)



7. Disconnect OEM drag link from OEM pitman arm using a 21mm socket \ wrench. (See Photo # 4)



8. Disconnect OEM front shock from upper shock tower mount & lower axle mount using a 18mm socket \ wrench. (See Photo # 5)

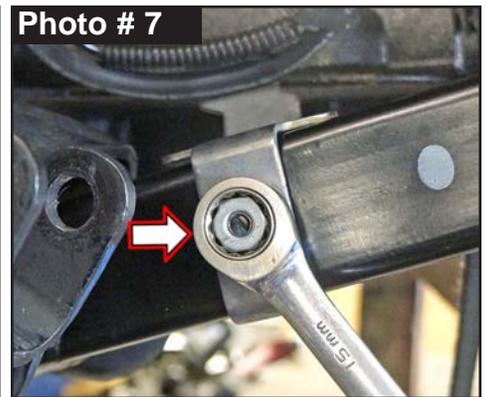


9. Disconnect OEM front brake line from OEM front lower control arm brake line bracket. Carefully pry OEM front brake line from bracket using a flat screwdriver or similar tool. (See Photo # 6)

Note: Be very careful not to damage OEM front brake line. **CAUTION:** If brake line is damaged, Line MUST be Replaced.



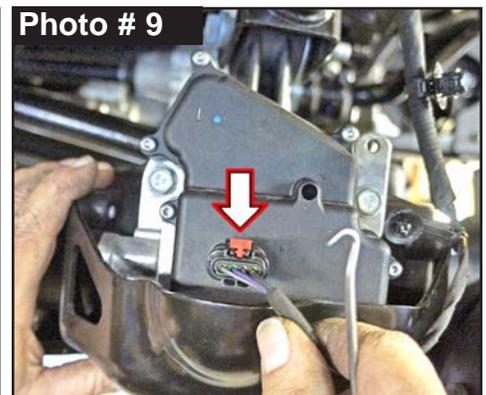
9. Remove OEM front brake line bracket from OEM front lower control arm using a 15mm socket \ wrench. (See Photo # 7)



10. Mark the location of OEM front drive shaft \ flange at axle & disconnect using a 15mm socket \ wrench. (See Photo # 8)



11. Disconnect wiring harness from passenger side OEM front upper control arm using pliers.



12. Disconnect wiring harness from OEM 4WD actuator. (See Photo # 9)

13. Disconnect OEM vent hose from front differential using pliers.

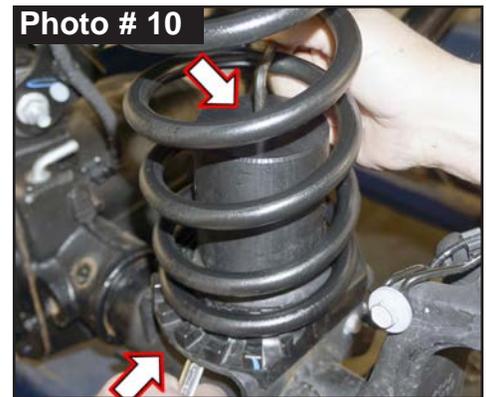
14. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc. **Tech Note:** Watch the Center Axle Disconnect (CAD) connection & on **RUBICON** Models: The front locker connections. Lower front differential & remove OEM front coil springs.

15. Place Skyjacker # ABSS2535 Front Bump Stop Spacer inside Skyjacker Front Coil Spring. Install front coil spring with bump stop inside. Insert coil spring into upper tower first. Be sure that the coil is indexed to seat properly, then raise axle enough to hold coil spring in place. **Tech Note:** If front axle cannot be lowered enough to allow coil spring to be installed, carefully rotate the pinion up to provide more clearance for coil installation.

Insert supplied 3/8" x 4-1/2" Button Head Bolt into bump stop. Align bolt into hole of OEM lower coil spring mount pad. Reach under spring mount pad & above axle tube to install supplied 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut onto bolt. Tighten bump stop into place using a 7/32" hex key socket \wrench & 9/16" socket \wrench.

(See Photo # 10) Torque 25 ft.-lbs.

Tech Note: On Passenger Side, it may be necessary to remove ABS bracket to install bump stop lock nut. At rear of axle above shock mount, remove ABS mounting bracket using a 10mm socket \wrench. Once bump stop spacer is tight, reinstall ABS line mounting bracket onto axle.



16. Raise front axle in order to load Skyjacker front coil springs.

Note: There has been occasional reports of Passenger Side coil spring having an inward bow after installation on taller lifts. If so, OEM upper coil spring isolator can be rotated 180°.

Mark OEM position of Passenger Side OEM upper coil spring isolator. Remove two (2) alignment pins on top of passenger side OEM upper coil spring isolator using diagonal cutting pliers or similar tool. Rotate passenger side OEM upper coil spring isolator so thicker portion is on inside toward frame.

(See Photo # 11)

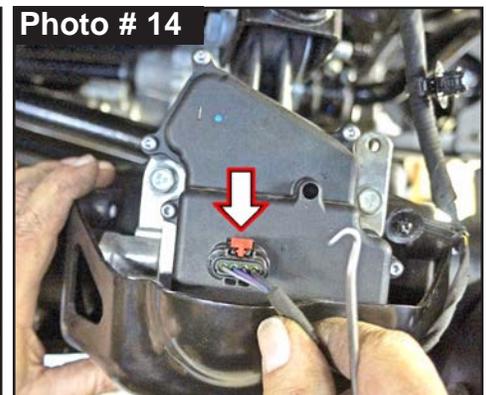
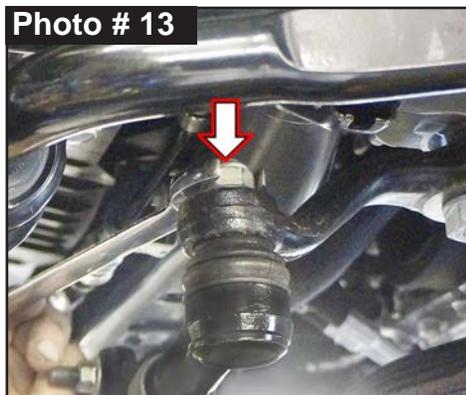


17. Connect OEM drive shaft with OEM hardware using a 15mm socket \wrench. (See Photo # 12)

18. Connect OEM drag link to OEM pitman arm with OEM hardware using a 21mm socket \wrench. (See Photo # 13) Torque 75 ft.-lbs.

19. Connect OEM vent hose to front differential using pliers.

20. Connect wiring harness to OEM 4WD actuator. (See Photo # 14)

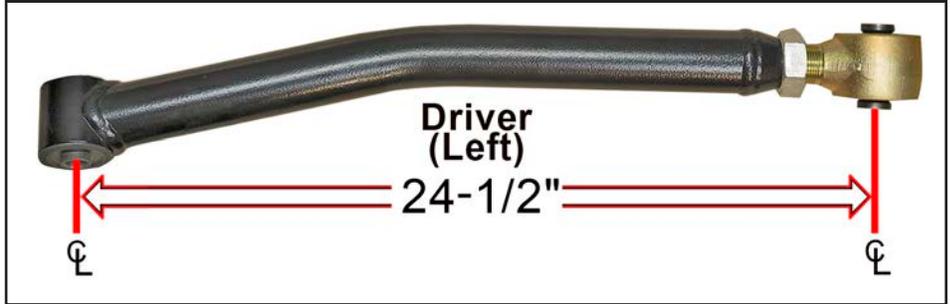


21. Connect wiring harness to passenger side OEM front upper control arm.

22. Assemble Skyjacker # JL24LLF-SX-L Front Lower Flex Link with # RE114-640R Right Hand 1-1/4" Rod End & # 114RFTJN Jam Nut. (See Photo # 15)

Measure length of Skyjacker # JL24LLF-SX-L Front Lower Flex Link assembly from center-line of rod end to center-line of bushing. Skyjacker Lower Flex Link center line to center line measurement = 24-1/2".

Photo # 15



Note: Be sure to keep ends square with each other.

Rotate rod end in or out as needed, Tighten supplied 1-1/4" Jam Nut using a 1-13/16" wrench.

One at a time, remove OEM Front Lower Control Arm (LCA) using a 21mm socket \ wrench & 24mm socket \ wrench.

One at a time, install Skyjacker # JL24LLF-SX-L Front Lower Flex Link assembly with OEM hardware using a 21mm & a 24mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time.

Note: Skyjacker Front Lower UCA are not side specific.

Tech Note: Install with rod end attached to OEM frame mount. The Offset Bend to Inside of vehicle. (See Photo # 16)

Photo # 16



NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 23.
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 24.

23. Install Skyjacker front shock with OEM hardware at upper shock tower mount using a 18mm socket \ wrench. **Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body up for proper installation of pre-installed upper mount bushings.

Note: Upper shock mount has a OEM fixed nut welded onto frame. Be careful not to dislodge nor over tighten.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm 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.

Photo # 17



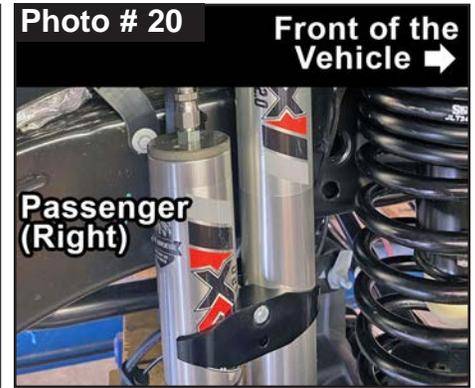
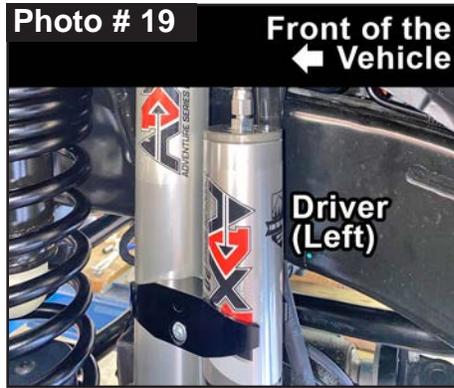
Photo # 18



24. **Tech Note:** ADX Remote Reservoir are to be mounted with cylinder body up & remote reservoir toward rear for proper clearance (opposite side of coil spring mount).

(See Photo # 19 & # 20)

Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a 5/32" Hex Key socket. Position clamp into place around shock & reservoir cylinder. Secure, but Do Not Completely Tighten at this time.



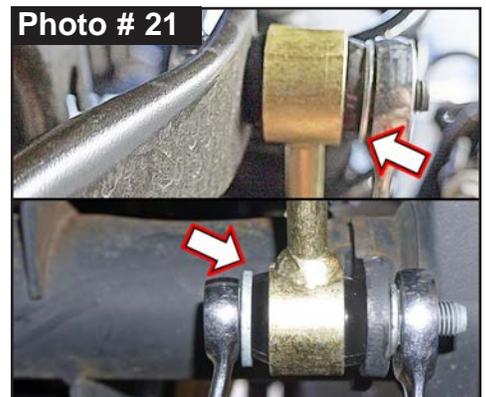
Install Skyjacker ADX front shock with OEM hardware at upper shock tower mount using a 18mm socket \ wrench. **Note:** Upper shock mount has a OEM fixed nut welded onto frame. Be careful not to dislodge nor over tighten this nut.

Connect Skyjacker shock at lower axle mount with OEM hardware using a 18mm socket \ wrench. Secure, but **Do Not Completely Tighten** at this time. These will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

25. Coat with a water resistant grease & press # ES25 1.50 Long Steel Sleeves into upper & lower mounts of # SBE4058-L Front Sway Bar End Link.

Install upper end link mount with supplied 12mm x 70mm Bolt with a 7/16" USS Washer through sway bar with a 7/16" USS Washer & 12mm Nylon Insert Lock Nut using a 19mm socket \ wrench. (See Photo # 21)

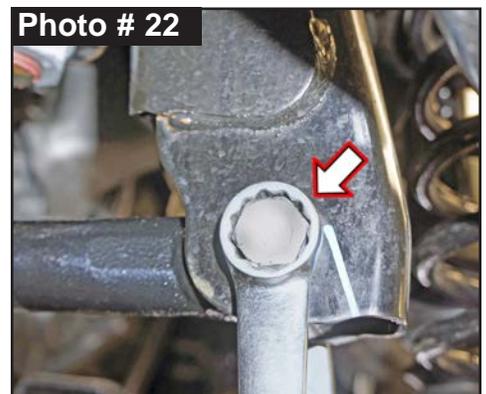
Attach lower end link with OEM hardware using a 18mm socket \ wrench. **Note:** On Driver Side, install OEM lower bolt with large washer to outer bushing side of sway bar end link. Secure, but Do Not Completely Tighten at this time.



26. Install OEM front skid plate with OEM hardware using a 13mm socket \ wrench. (See Photo # 1)

28. Install front tires \ wheels using a 22mm socket. Lower vehicle to ground. Torque 130 ft-lbs.

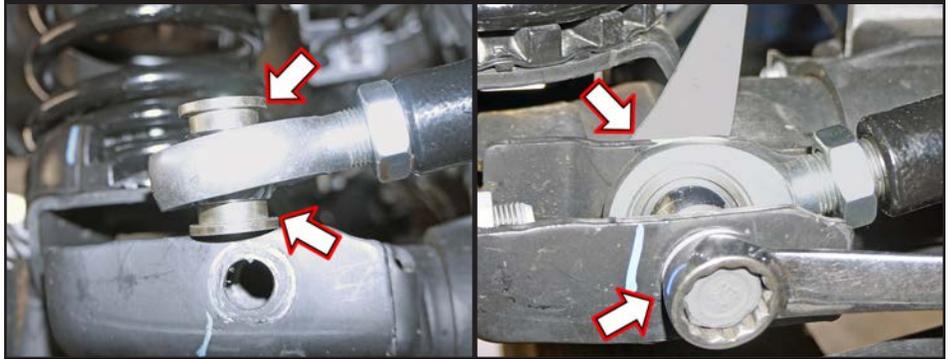
27. Make sure that tires \ wheels are pointed straight ahead. Install fixed end of Skyjacker # JLFTBA18-B Front Adjustable Track Bar to frame with OEM hardware using a 21mm socket \ wrench. (See Photo # 22) **Note:** Do not tighten at this time.



30. Install supplied # JLFTBB Rod End Bushings onto rod end of Skyjacker track bar. Install rod end assembly into front axle mount with OEM hardware using a 21mm socket \ wrench. (See Photo # 23)

Note: Do not tighten at this time. **Tech Note:** It may be necessary to turn steering wheel to align track rod end with mount.

Photo # 23



31. Check front of vehicle to make sure body is centered over front tires \ wheels. Using a measuring tape, measure from inside of tire to frame on driver side, then measure passenger side.

Compare two measurements; the aim is to make both sides equal. **Note:** If driver side measurement is greater than passenger side, track bar needs to be lengthened. If passenger side measurement is greater than driver side, track bar needs to be shortened.

Remove adjustable rod end of track bar, loosen jam nut using a 1-1/8" wrench & turn rod end to adjust in or out. Once body is properly aligned over front tires \ wheels, tighten OEM hardware using a 21mm socket \ wrench.

Fully tighten all OEM hardware at upper frame mount & axle mount. Fully tighten jam nut of Skyjacker adjustable front track bar using a 1-1/8" wrench.

Tighten supplied jam nut of Skyjacker Adjustable Front Track Bar using a 1-1/8" wrench.

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 OEM service manual.
2. Remove rear tires \ wheels using a 22mm socket.

3. Remove OEM rear sway bar end link. Disconnect lower link at sway bar using a 6mm hex key socket \ wrench & 18mm socket \ wrench. (See Photo # 24)

Disconnect upper link at outside frame using a 21mm socket \ wrench.

Photo # 24



4. Disconnect OEM rear track bar from rear axle mount using a 21mm socket \ wrench. (See Photo # 25) **Tech Note:** It may be necessary to raise \ lower axle to take pressure off track bar bolt. Retain OEM hardware.
5. Disconnect OEM rear shock at upper & lower hardware using a 21mm socket \ wrench. (See Photo # 26) Remove OEM rear shocks & retain hardware.

Photo # 25

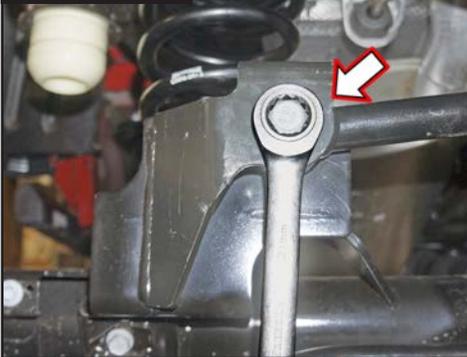


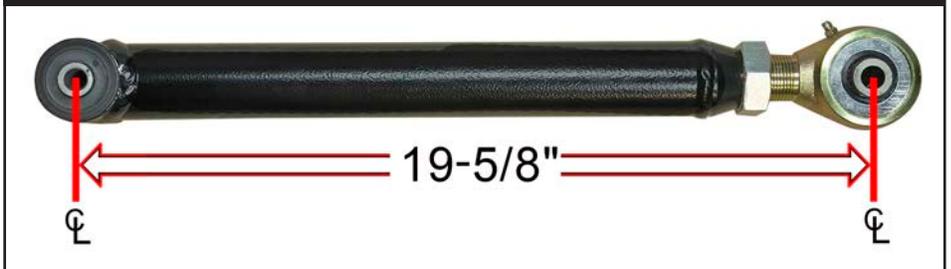
Photo # 26



6. Assemble Skyjacker # GULR24-SX-L Rear Upper Flex Link with # RE114-640R Right Hand 1-1/4" Rod End & # 114RFTJN Jam Nut. (See Photo # 27)

Measure length of Skyjacker # GULR24-SX-L Rear Upper Flex Link assembly from center-line of rod end to center-line of bushing. Skyjacker Upper Flex Link center line to center line measurement = 19-15/16".

Photo # 27



Note: Be sure to keep ends square with each other.

Rotate rod end in or out as needed, Tighten supplied 1-1/4" Jam Nut using a 1-13/16" wrench.

One at a time, remove OEM Rear Upper Control Arm (UCA) using a 21mm socket \ wrench & 24mm socket \ wrench. (See Photo # 28)

Photo # 28



Photo # 29



One at a time, install Skyjacker # GULR24-SX-L Rear UCA with OEM hardware using a 21mm & a 24mm socket \ wrench. (See Photo # 29)

Note: Secure, but **Do Not Completely Tighten** at this time. These will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

7. While checking for appropriate slack in ABS lines, brake lines, differential vent hose & etc.
Note: RUBICON Models: Watch rear locker connections.

Lower rear axle & remove OEM rear coil springs.

Tech Note: OEM upper coil spring isolators are Side Specific to properly align with coil \ frame mounts.

Place upper coil spring isolator in upper coil bucket. Mark orientation on isolator & upper coil bucket. Mark top of isolators: DR & PA also.

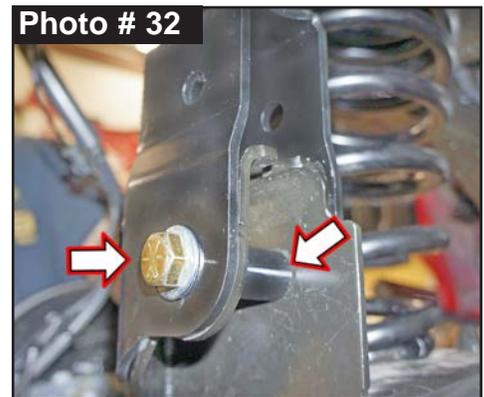
(See Photo # 30 & # 31)



8. Install Skyjacker # JTGRTB-B Rear Lower Track Bar Bracket over OEM rear lower track bar bracket at axle.

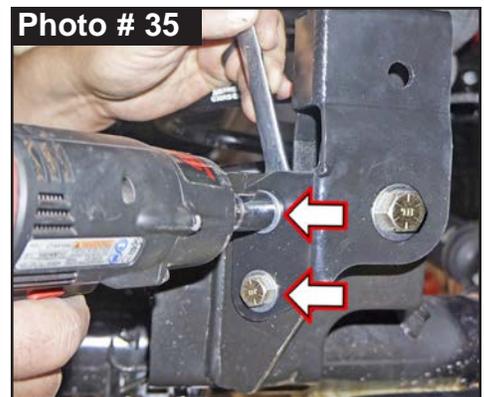
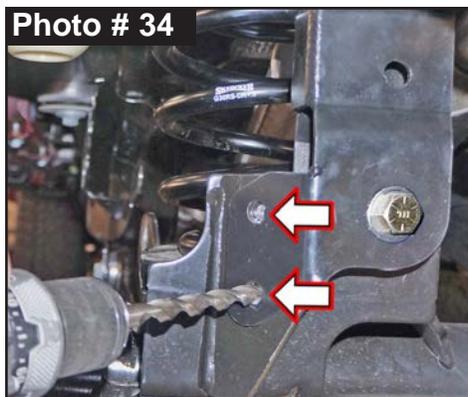
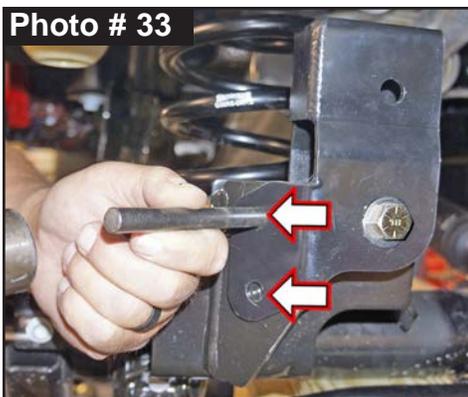
Insert supplied 9/16" x 3-1/2" Fine Thread Bolt with 9/16 SAE Washer from rear-to-front through bracket \ axle mount.

Place #TBS1656 Crush Sleeve inside OEM mount & insert bolt through bracket \ axle mount. Attach with 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" & 7/8" socket \ wrench. (See Photo # 32)



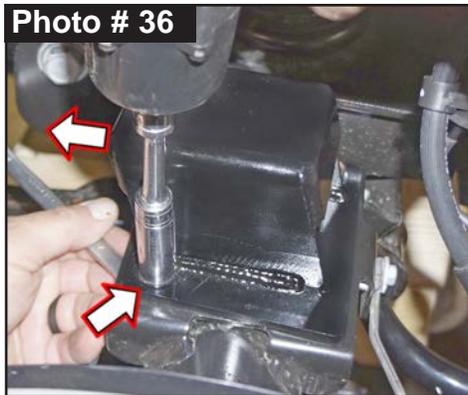
9. Mark, center punch & drill two (2) support tab mounting locations Skyjacker bracket using a 7/16" drill bit. (See Photo # 33 & # 34)

10. Finish installing Skyjacker lower track bar bracket \ axle mount with supplied 7/16" x 1-1/4" Fine Thread Bolt with 7/16" SAE Washer outside & 7/16" SAE Washer with 7/16" Nylon Insert Lock Nut inside using a 5/8" socket \ wrench. (See Photo # 35)



11. Install Skyjacker # JTG30RBS-S Rear Bump Stop Spacer to OEM rear axle bump stop pads with supplied 5/16" x 1" Fine Thread Bolt with a 5/16" SAE Washer on top & a 5/16" SAE Washer with 5/16" Nylon Insert Lock Nut on bottom using 1/2" wrenches. (See Photo # 36)

Note: Install Skyjacker bump stop spacer with forward angle toward front of vehicle.



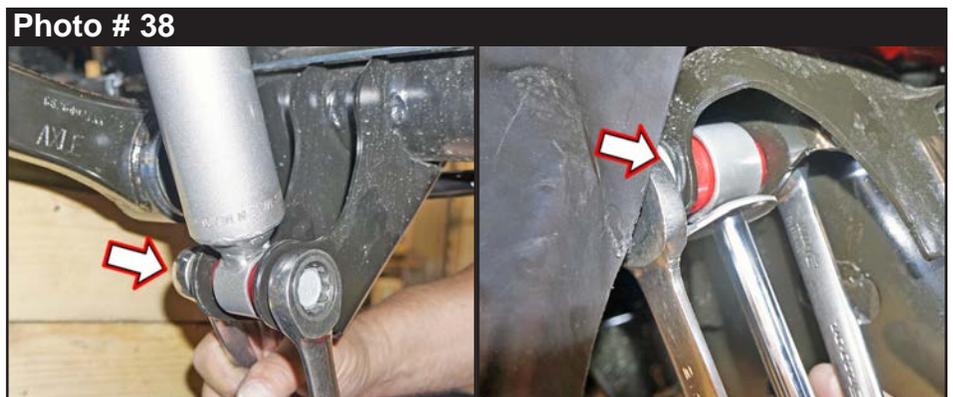
12. Install Skyjacker rear coil springs. (See Photo # 37)
Note: Be sure that tab of each OEM upper coil spring isolator is aligned with previous marks & tab hole of OEM upper coil spring mount. (See Photo # 30 & # 31)

Tech Note: Skyjacker rear coil springs are two different lengths \ heights. The taller rear coil spring is to be installed on OEM fuel tank side of vehicle. The shorter rear coil spring is to be installed on opposite side of vehicle.

Raise rear axle in order to load Skyjacker rear coil springs.

NOTE: Kit With Black MAX \ M95 Monotube: Proceed to Step 13.
Kit With ADX 2.0 Remote Reservoir: Proceed to Step 14.

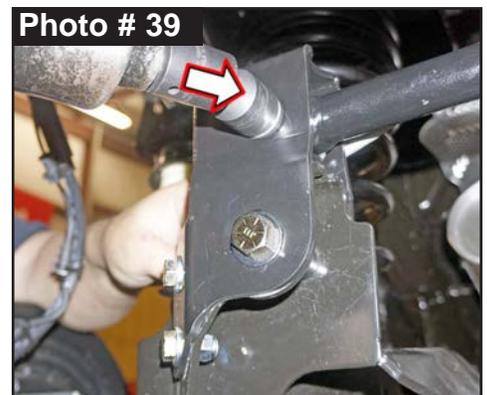
13. Install Skyjacker rear shock with OEM hardware using a 18mm socket \ wrench. Secure, but Do Not Completely Tighten at this time. **Tech Note:** Black MAX & M95 Monotube are to be mounted with cylinder body up for proper installation of pre-installed upper mount bushings. (See Photo # 38)



14. **Tech Note:** ADX Remote Reservoir are to be mounted with cylinder body up & remote reservoir toward rear for proper clearance. (See Photo # 19 & # 20)

Loosely assemble two (2) supplied reservoir clamps with two (2) supplied hex head bolts using a 5/32" Hex Key socket. Position clamp into place around shock & reservoir cylinder. Secure, but Do Not Completely Tighten at this time.

Install Skyjacker ADX rear shock with OEM hardware using a 18mm socket \ wrench. Secure, but Do Not Completely Tighten at this time.



15. Connect OEM rear track bar to Skyjacker lower track bar bracket \ axle mount with OEM bolt & tab nut using a 21mm socket \ wrench. (See Photo # 39) **Note:** Install OEM bolt from rear-to-front of vehicle. **Tech Note:** It may be necessary to raise \ lower axle to align track bar bolt. Secure, but Do Not Completely Tighten at this time.

16. Coat supplied # HG58125-K Hourglass Bushing with a water resistant grease & press into upper & lower mounts of Skyjacker # SBE507-L Rear Sway Bar End Links. Coat & press # 403712 1.50 Long Steel Sleeves into upper & lower mount bushings.

Connect Skyjacker upper end link mount to OEM frame mount with OEM hardware & supplied 7/16 USS Flat Washer to bushing side of end link using a 18mm socket \ wrench. (See Photo # 40) Secure, but Do Not Completely at this time.

Connect Skyjacker lower end link mount to OEM sway bar with supplied 12mm x 65mm Bolt with a 7/16" USS Washer from outside of vehicle inward through sway bar. Attach with a 7/16" USS Washer & 12mm Nylon Insert Lock Nut on inside using a 18mm socket \ wrench. (See Photo # 40) Secure, but Do Not Completely at this time.

Photo # 40



17. Connect OEM vent tube to rear axle using pliers.

18. **NOTE:** Brake line installation should be done by a professional mechanic. After installation of Skyjacker # RBL55-S Rear Brake Lines, vehicle's brake system will need to be bleed & purged of any air in the lines before the vehicle can be driven. It is suggested to familiarize yourself with the brake bleeding process before beginning the installation of Skyjacker brake lines. A brake bleeding tool is useful, but bleeding the brake system should be done by two (2) professional mechanics.

Unclip all ABS line rubber grommets from OEM brake line rubber keepers. (See Photo # 41)

Disconnect OEM brake line banjo fitting bolt at brake caliper using a 15mm brake line \ flare nut wrench. (See Photo # 42)

Disconnect OEM brake line from frame mount using a 12mm & 16mm brake line \ flare nut wrench. (See Photo # 43)

Photo # 41

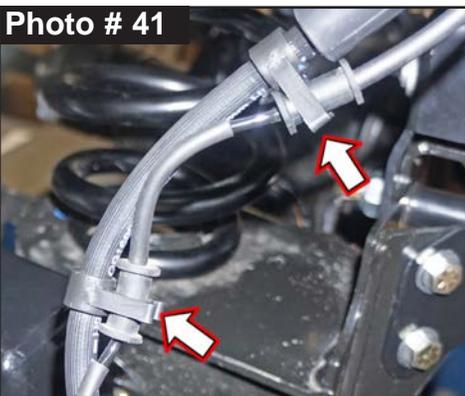


Photo # 42

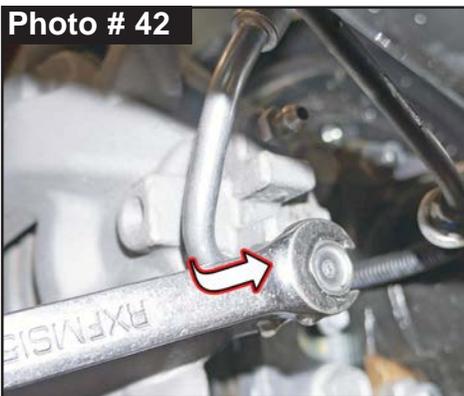
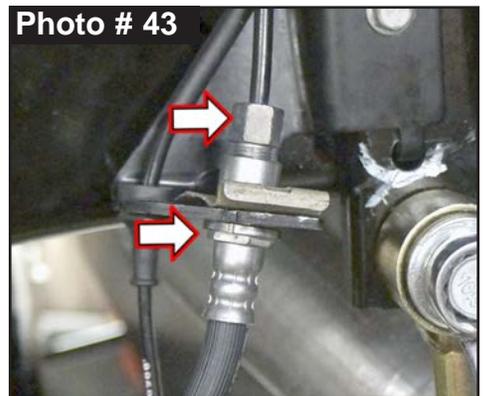


Photo # 43



19. Remove OEM spring clip from frame mount using pliers or screwdriver. (See Photo # 44)

Attach Skyjacker brake line banjo fitting to OEM caliper with OEM banjo bolt & supplied 3/8" Copper Crush Washers. Install with one (1) supplied 3/8" Copper Crush Washer on each side of Skyjacker banjo fitting using a 15mm flare nut wrench. (See Photo # 45)

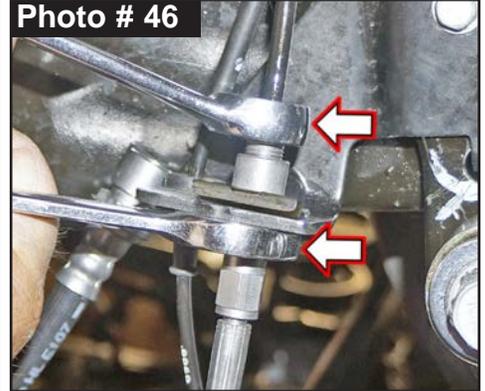
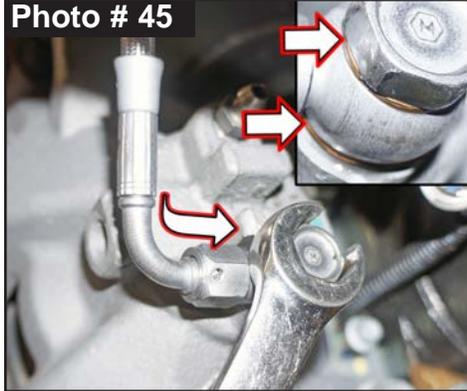
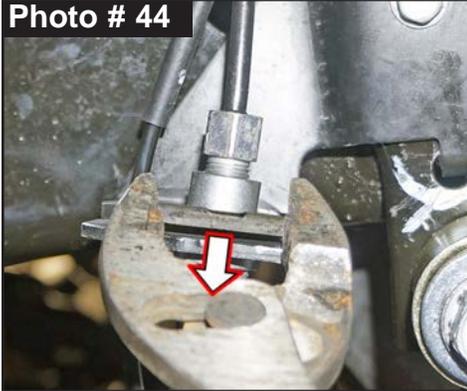
Note: Install with brake line bend at same angle as OEM. Torque 26 ft-lbs.

Route Skyjacker brake line around suspension components same as OEM up to frame mount.

Insert brake line fitting through OEM frame mount.

Carefully thread OEM male brake hard line nut into female fitting on Skyjacker brake line.

Note: Take care to not cross thread fittings. Tighten using a 12mm flare nut wrench on OEM brake line & a 5/8" flare nut wrench on Skyjacker brake line. (See Photo # 46)



20. Install supplied Skyjacker #HC1 Brake Line Clip between OEM frame mount & top of Skyjacker brake line. Line up clip & tap it into position with a rubber mallet to secure it in place.

21. Lubricate OEM ABS line rubber grommets at frame using a spray lubricant. Adjust upward in order to reconnect OEM ABS line to OEM ABS line frame bracket.

22. Remove OEM ABS line clip on OEM hard brake line. Relocate downward with supplied plastic ties. Trim with Diagonal Cutting Pliers. (See Photo # 47)



23. Attach OEM ABS line at rubber grommets to Skyjacker brake lines with supplied plastic ties. Trim with Diagonal Cutting Pliers. (See Photo # 48)

24. Bleed air from brake system as instructed by OEM service manual. Avoid getting brake fluid on painted surfaces. **CAUTION: Do Not Drive Vehicle** until you have made sure that all air is out of brake line system & you have a firm brake pedal.

Check all brake line connections for leaks & tighten as necessary. **Tech Note:** A spray bottle of water works well to clean up residual brake fluid when installation is complete.

25. Install rear tires \wheels using a 22mm socket. Lower vehicle to ground. Torque 130 ft-lbs.

Final Clearance Check & Torque Steps:

Note: Check Front Center Axle Disconnect (CAD) connection & on **RUBICON** Models: Check Front & Rear locker connections.

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, control arms, brake hoses, ABS wiring, etc.

3. Front Tighten & Torque Sequence.
 - Skyjacker track bar at frame using a 21mm wrench. Torque 52 ft-lbs. + 115°
 - Skyjacker track bar at axle using a 21mm wrench. Torque 52 ft-lbs. + 115°
 - Front shock absorber upper mount using a 18mm wrench. Torque 81 ft-lbs.
 - Front shock absorber lower mount using a 18mm wrench. Torque 74 ft-lbs.
 - ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.
 - Skyjacker sway bar end link upper bolt using a 19mm socket \ wrench. Torque 59 ft-lbs.
 - Skyjacker sway bar end link lower bolt using a 18mm socket \ wrench. Torque 59 ft-lbs.

4. Rear Tighten & Torque Sequence.
 - Skyjacker track bar bracket bolts. 7/16" Bolts Torque 65 ft-lbs. 9/16" Bolt Torque 130 ft-lbs.
 - Track bar at Skyjacker bracket. Torque 130 ft-lbs.
 - Rear shock absorber upper mount using a 18mm socket \ wrench. Torque 81 ft-lbs.
 - Rear shock absorber lower mount using a 18mm socket \ wrench. Torque 74 ft-lbs.
 - ADX Reservoir clamp. Double check position & clearance. Tighten with 5/32" Hex Key socket.
 - Skyjacker sway bar end link mounts using a 18mm socket \ wrench. Torque 59 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.