SKYJACKER SUSPENSIONS
SKYJACKER.COM

2022> Toyota Tundra 2WD \ 4WD
2" & 2.5" Metal Spacer Lifts
Installation Instructions



Required Tools List:

- **SAE Sockets \ Wrenches** (7/16")
- **Metric Sockets \ Wrenches** (8mm, 10mm, 12mm, 14mm, 15mm, 17mm, 19mm & 22mm)
- **Strut Spring Compressor (2" Lift Only)**
- **Pry Bar**
- **Safety Glasses**
- **Jack Stands**
- **Wheel Chock**
- **Floor Jack**
- **Paint Marker**
- **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 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: _____/_____ (BEFORE / AFTER) Passenger Side Front: _____/_____ (BEFORE / AFTER)

Driver Side Rear: _____/_____ (BEFORE / AFTER) Passenger Side Rear: _____/_____ (BEFORE / AFTER)

Important Notes:

- This Suspension Lift is NOT Designed to Fit Following Models:
  - Models Equipped with Adaptive Variable Suspension (AVS) System.
  - Models Equipped with Load-Leveling Rear Height Control Air Suspension.
  - TRD PRO Series Models.
  - XSP-X Models.
- If Larger Tires (10% More Than OEM Diameter) Are Installed, Speedometer Recalibration Will Be Necessary. Contact Your Local TOYOTA Dealer or an Authorized Skyjacker® Dealer for Details.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications.

Component Box Breakdown:

Part # TU2220MS

Item #	Description	Qty
TU2220FMS-S	STRUT SPACER, FRONT, 2"	2
HB-TU760MS	HDWR BAG: 10MM FLANGE NUTS	1

Part # TU2225MS

Item #	Description	Qty
TU2225FMS-S	STRUT SPACER, FRONT, 2.5"	2
HB-TU760MS	HDWR BAG: 10MM FLANGE NUTS	1

Part # TU2225MSP

Item #	Description	Qty
TU2225FMS-S	STRUT SPACER, FRONT, 2.5"	2
TU221RMS-S	COIL SPRING SPACER, REAR	2
HB-TU760MS	HDWR BAG: 10MM FLANGE NUTS	1

Component Box Breakdown:

Part # TU2210MSR

Item #	Description	Qty
TU221RMS-S	COIL SPRING SPACER, REAR, 1"	2

Part # TU2220MSR

Item #	Description	Qty
TU222RMS-S	COIL SPRING SPACER, REAR, 2"	2

Hardware Bag Breakdown:

Part # HB-TU60MS

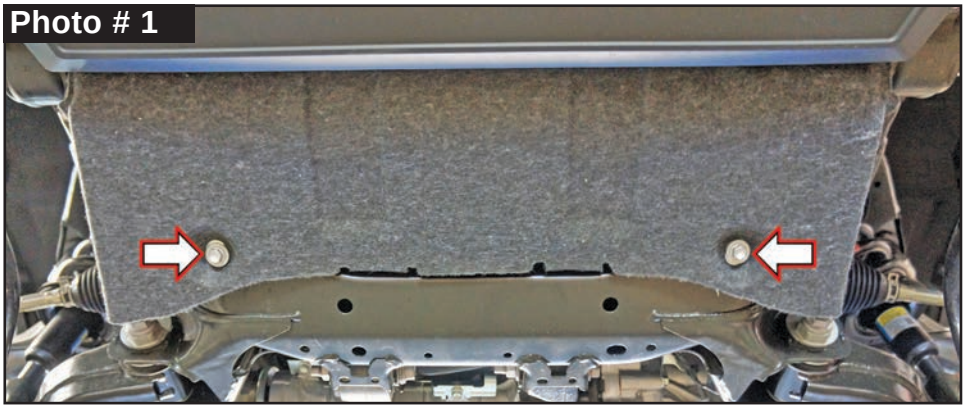
Item #	Description	Qty
10MMX1.5NFN	10MM X 1.5 N/I FLANGE NUT	8

NOTE: If Only Installing Rear Coil Spring Spacers, Proceed to Page 6.

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 front tires \ wheels using a 22mm socket.
4. Disconnect OEM lower skid plate by removing two (2) rear bolts using a 12mm socket \ wrench to access sway bar frame mount. (Photo # 1)

Photo # 1



Note: **Perform Steps 5-17 on One Side at a Time.**

5. Mark front & back cam bolt positions on both OEM Lower Control Arm (LCA) frame mounts. (Photo # 2)

   Loosen, but do not remove two (2) cam bolts using two (2) 22mm sockets \ wrenches. (Photo # 3)

Photo # 2

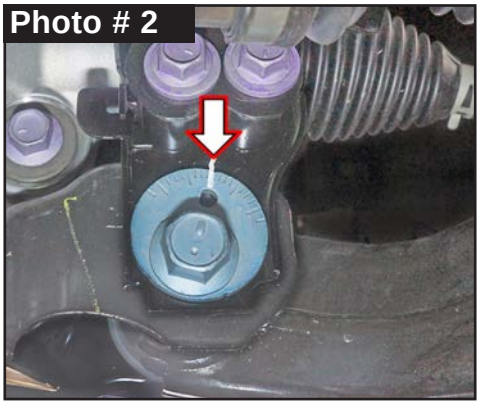
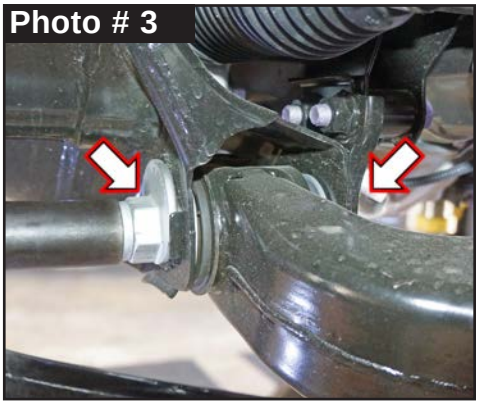


Photo # 3



6. Disconnect OEM sway bar from frame mount by removing two (2) OEM bolts per side using a 17mm socket \ wrench. (Photo # 4) **Tech Note:** If wider access to sway bar mount is desired, remove two (2) bolts from center of OEM air dam using a 10mm socket \ wrench. Then remove two (2) front bolts of OEM lower skid plate using a 12mm socket \ wrench.
   Roll sway bar down from frame. (Photo # 5)

Photo # 4

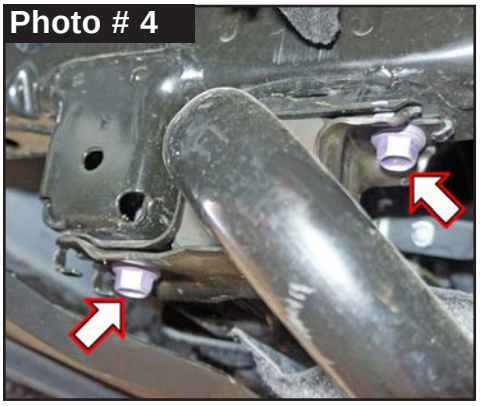


Photo # 5



7. Remove OEM lower strut mount hardware from OEM LCA using two (2) 22mm sockets \ wrenches. (Photo # 6)

8. Remove two (2) OEM knuckle bolts using a 22mm socket \ wrench. (Photo # 7)
   Ease LCA away from front strut. **CAUTION:** Do not let LCA fall to abruptly.
   Let lower control arm hang. (Photo # 8)

Photo # 6

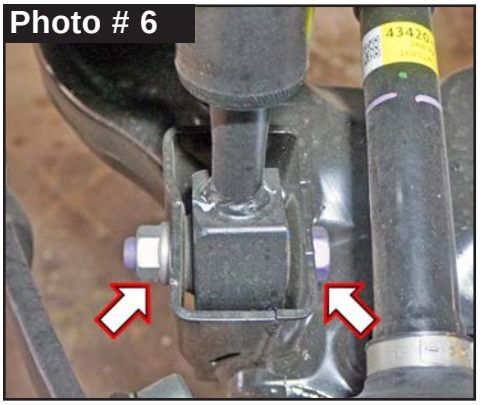


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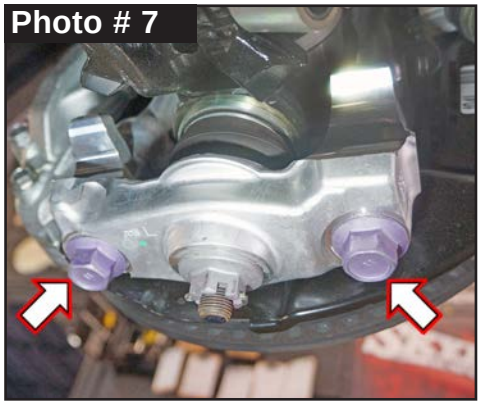
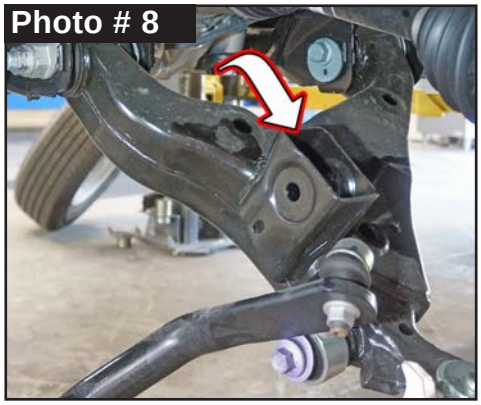


Photo # 8



9. Disconnect four (4) OEM upper strut mounting nuts from frame mount using a 14mm socket \ wrench. (Photo # 9) **Note:** Do NOT remove center strut rod nut. Remove strut.

10. **Note:** An Arrow ← **OUT** is stamped into OEM upper strut mount. (Photo # 10)
    Skyjacker strut spacer has an Arrow Cut-Out ← to align with OEM. (Photo # 11)

Photo # 9

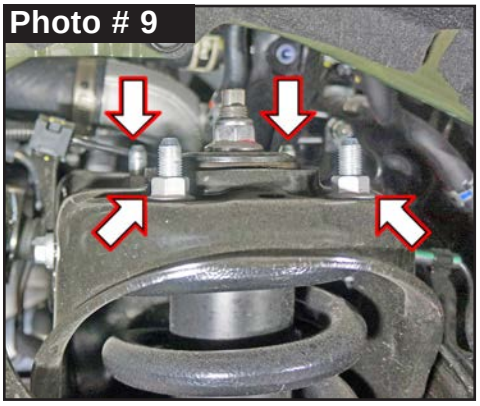


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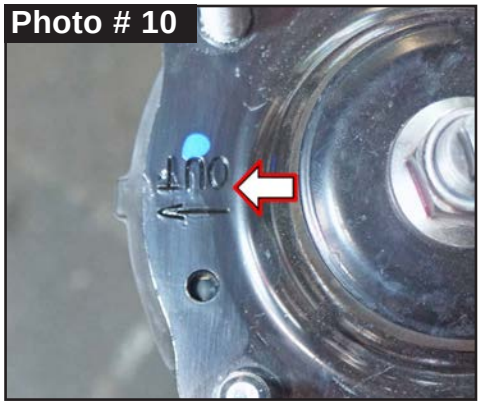
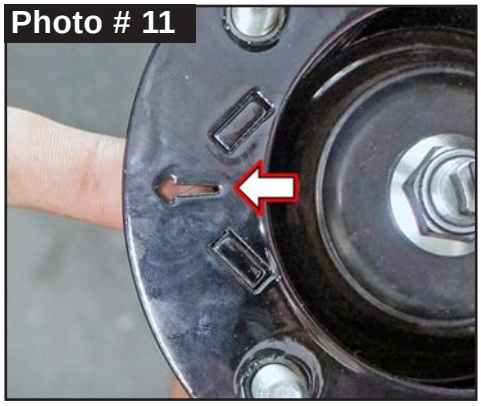


Photo # 11



11. **# TU2225MS - 2.5" Front Strut Spacer Kit:** Skyjacker Upper Strut Spacers Are Not Side Specific: # TU2225FMS-S Both Driver & Passenger.

    Align Skyjacker # TU2225FMS-S Upper Strut Spacer lower mounting holes on top of OEM strut assembly. **Note:** Align Strut Spacer Cut-Out ← & ←**OUT** on OEM strut.

    Attach with OEM hardware using a 14mm wrench. Start all four (4) OEM flange nuts before beginning tightening sequence. (Photo # 12)
    Tech Note: Use a pry bar or similar tool to keep strut \ spacer from turning to tighten. (Photo # 13)
    Torque 33 ft-lbs.
    Proceed to Step 15.

Photo # 12

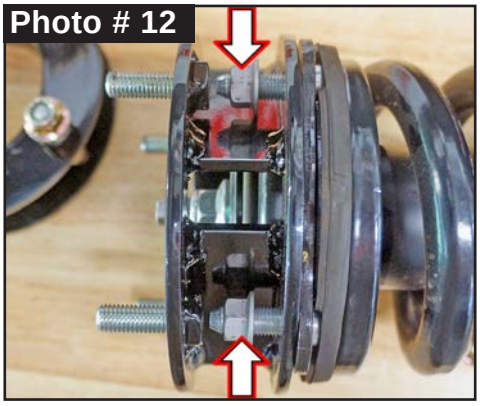
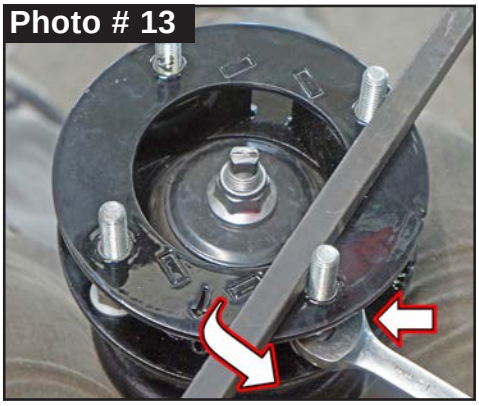


Photo # 13



12. **# TU2220MS - 2" Front Strut Spacer Kit:** Skyjacker Upper Strut Spacers Are Not Side Specific: # TU2220FMS-S Both Driver & Passenger.

    Note: For proper reassembly, mark top hat upper strut mounting isolator, rubber isolator & coil spring at top of strut to align with ←**OUT** on OEM strut. (Photo # 14)

13. Align Skyjacker # TU2220FMS-S Upper Strut Spacer lower mounting holes on top of OEM strut assembly. **Note:** Align Strut Spacer Cut-Out ← toward ←**OUT** on OEM strut.

    Attach with OEM hardware using a 14mm wrench. Start all four (4) OEM flange nuts before beginning tightening sequence. (Photo # 15)
    Tech Note: Use a pry bar or similar tool to keep strut \ spacer from turning to tighten. (Photo # 13) Torque 33 ft-lbs.

14. Place Skyjacker \ OEM strut assembly into a suitable strut spring compressor. Compress coil spring on strut assembly.

    Rotate & align Strut Spacer Cut-Out ← OEM top hat upper strut mounting isolator, rubber isolator with previous marks on coil. (Photo # 16)

    Remove strut spring compressor. **Proceed to Step 15.**

Photo # 14

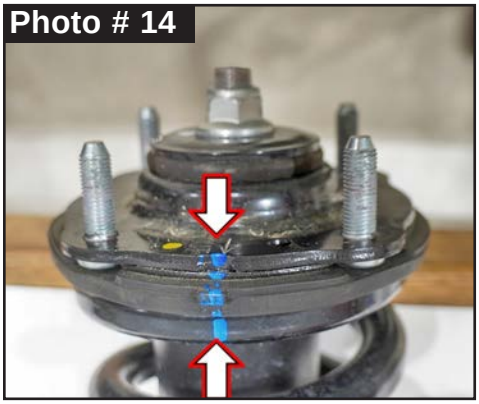


Photo # 15

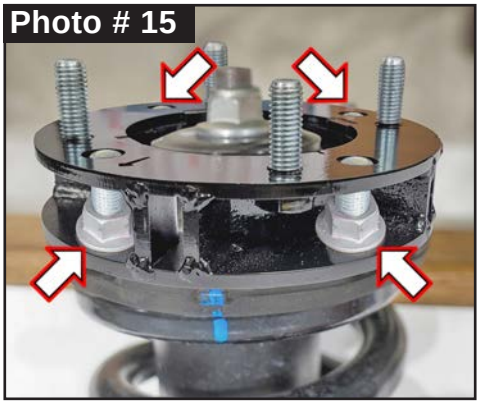
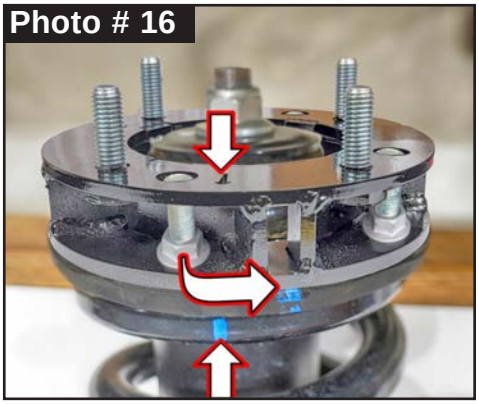


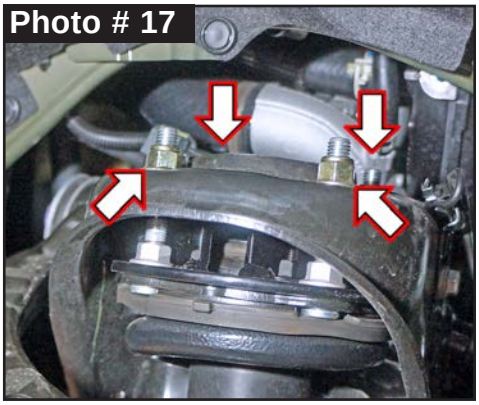
Photo # 16



15. Connect Skyjacker \ OEM strut assembly to upper mount with supplied 10mm Nylon Insert Flange Nuts using a 15mm wrench. (Photo # 17) Secure, but **Do Not Completely Tighten** at this time. To set properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

16. Support bottom of OEM LCA with jack. Raise LCA & connect Skyjacker \ OEM strut assembly lower strut mount to LCA with OEM hardware using two (2) 22mm sockets \ wrenches. (Photo # 18) Secure, but **Do Not Completely Tighten** at this time. **Tech Note:** You may need to pry upper control arm down to connect. (Photo # 19)

Photo # 17



17. While supporting OEM LCA, connect OEM knuckle with two (2) OEM knuckle bolts using a 22mm socket \ wrench. (Photo # 20) Torque 115 ft-lbs.

Photo # 18

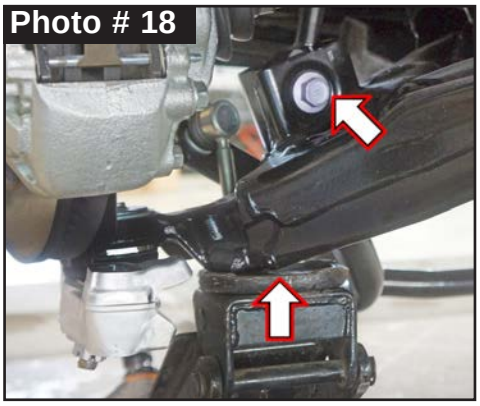


Photo # 19

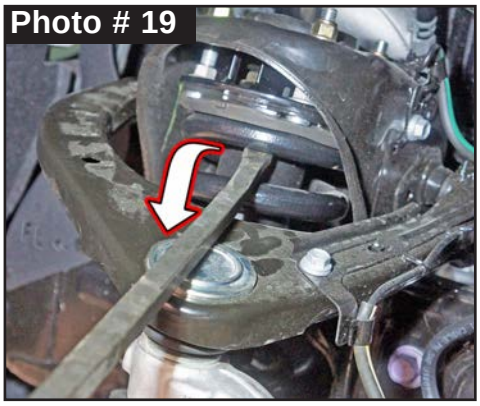
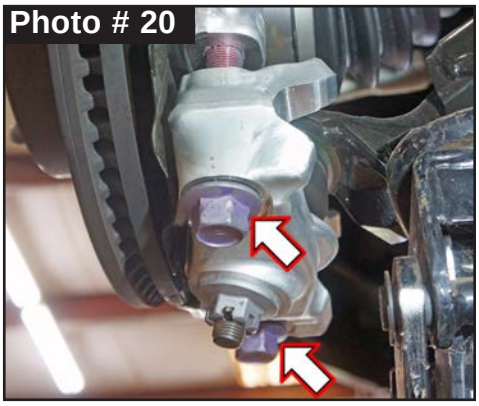


Photo # 20



NOTE: Perform Steps 5-17 on Opposite Side of Vehicle at this Time.

18. Realign marks on cam bolt positions on OEM LCA at frame. (Photo # 21)

    Tighten cam bolts on both arms using two (2) 22mm sockets \ wrenches. (Photo # 22) Torque 207 ft-lbs. **Note:** Final torque will be set by alignment technician.

Photo # 21

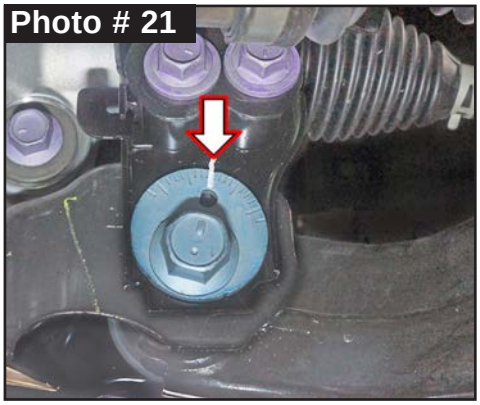
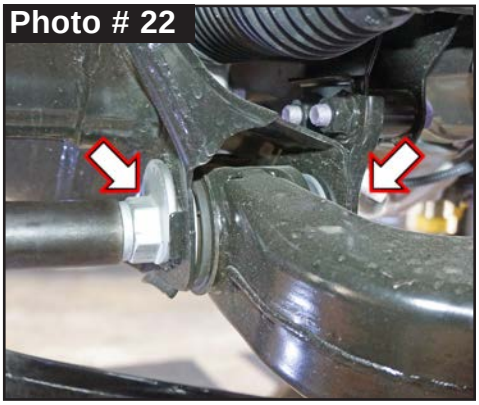


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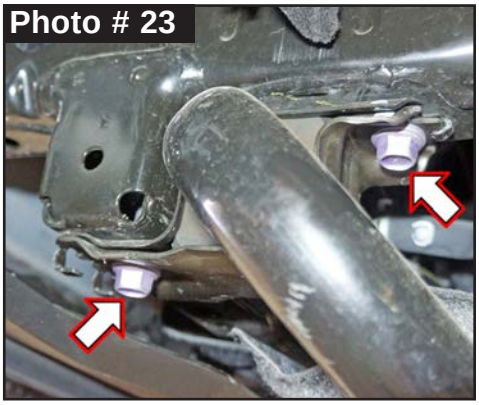


19. Roll OEM sway bar up to frame mounts. **Tech Note:** A extra set of hands is helpful in this process. Connect OEM sway bar to frame mount with two (2) OEM bolts per side.

    CAUTION: Start OEM bolts by hand to ensure threads align properly. Install forward bolts on each side first, then install rear bolts. Secure front & rear bolts by hand, then tighten. Tighten using a 17mm socket \ wrench. (Photo # 23) Torque 80 ft-lbs.

20. Install front tires \ wheels using a 22mm socket & lower front of vehicle to ground.

Photo # 23



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. Support rear axle with a hydraulic jack. Allow ample room to lower rear axle.
4. Disconnect OEM rear brake line bracket on passenger & driver side rear differential using a 12mm socket \ wrench. (Photo # 24)

   Disconnect OEM rear brake line bracket on passenger & driver side at frame by link mount using a 12mm socket \ wrench. (Photo # 25)

   Disconnect OEM rear brake line bracket on passenger side only at crossmember using a 12mm socket \ wrench. (Photo # 26)

Photo # 24

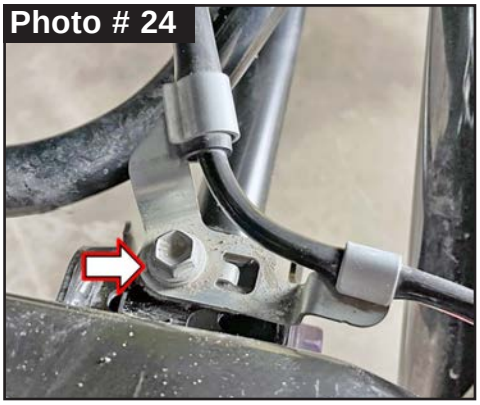


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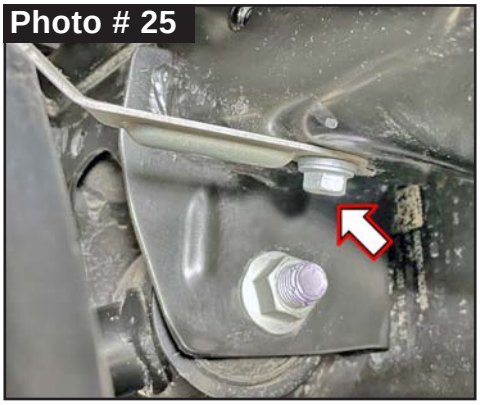
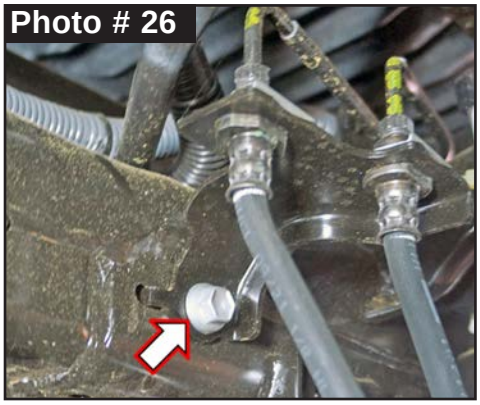


Photo # 26



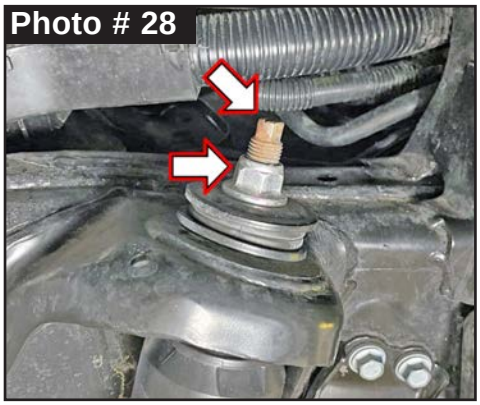
5. Disconnect OEM rear shock lower mount using a 17mm socket \ wrench. (Photo # 27) **Tech Note:** OEM shock perch runs at a downward angle. Lower \ raise axle & compress shock to remove.

   Loosen, but do not remove, upper mounting nut using a 19mm wrench for nut & a 8mm wrench to hold shock stud. (Photo # 28)

Photo # 27



Photo # 28



6. Disconnect OEM rear sway bar end link from frame mount using a 17mm socket \ wrench. (Photo # 29)
7. Disconnect OEM rear track bar on passenger side at rear differential lower mount using a 19mm socket \ wrench. (Photo # 30)

Photo # 29

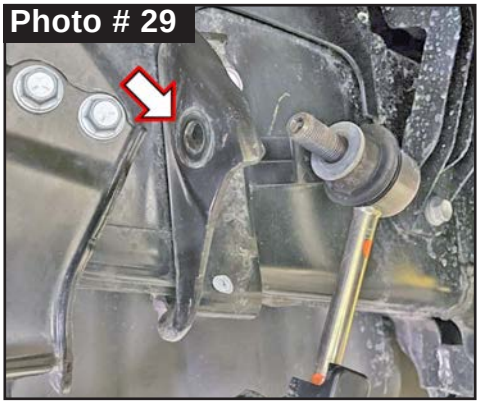
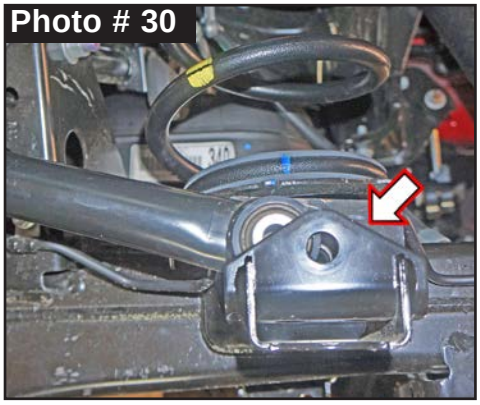


Photo # 30



8. While checking for appropriate slack in ABS lines, e-brake lines, differential vent hose, & etc. Lower rear differential & remove OEM rear coil spring & isolator. (Photo # 31)

9. **Note:** Skyjacker Coil Spring Spacers Are Not Side Specific.
   Install Skyjacker Coil Spring Spacer into OEM rear coil spring mount with supplied 1/4" x 3/4" Bolt that is threaded into each Skyjacker spacer using a 7/16" wrench. (Photo # 32)

10. Install OEM rear coil spring with coil spring isolator. (Photo # 33)
    Note: It may be necessary to loosen OEM upper & lower rear control arms using a 19mm socket \ wrench in order to gain enough space for OEM rear coil springs to be installed.

    Raise rear differential in order to load OEM rear coil spring.

Photo # 31



Photo # 32

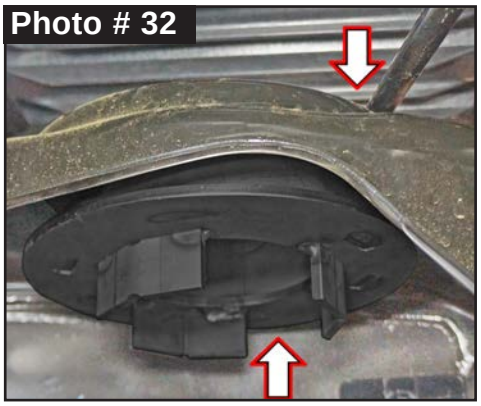
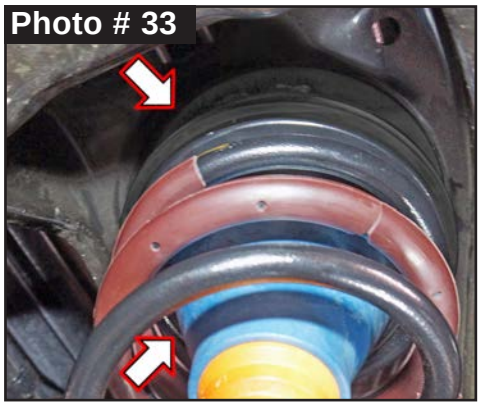


Photo # 33



11. Connect OEM rear brake line bracket on passenger & driver side rear differential using a 12mm socket \ wrench. (Photo # 24) Torque 20 ft-lbs.

    Connect OEM rear brake line bracket on passenger & driver side at frame by link mount using a 12mm socket \ wrench. (Photo # 25) Torque 20 ft-lbs.

    Connect OEM rear brake line bracket on passenger side only at crossmember using a 12mm socket \ wrench. (Photo # 26) Torque 20 ft-lbs.

12. Tighten OEM rear shock upper mounting nut using a 19mm wrench for nut & a 8mm wrench to hold shock stud. (Photo # 28) Torque 37 ft-lbs.

    Connect OEM rear shock lower mount using a 17mm socket \ wrench. (Photo # 27) Secure, but **Do Not Completely Tighten** at this time. **Tech Note:** Lower \ raise axle & compress shock to install it.

13. Connect OEM rear sway bar end link to frame mount using a 17mm socket \ wrench. (Photo # 34) Torque 60 ft-lbs.

14. Install rear tires \ wheels using a 22mm socket & lower rear of vehicle to ground.

15. Connect OEM track bar to rear differential mount using a 19mm socket \ wrench. (Photo # 30) **Note:** If OEM upper & lower rear control arms were loosened, tighten with OEM hardware using a 19mm socket \ wrench.

Photo # 34



Final Clearance Check & Torque 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, control arms, brake hoses, ABS wiring, etc.
3. **Front Tighten & Torque Sequence.**
   Front strut assembly upper mount using a 15mm socket \ wrench. Torque 48 ft-lbs.
   Front strut assembly lower mount using two (2) 22mm sockets \ wrenches. Torque 122 ft-lbs.
   Sway bar bracket to frame using a 17mm socket \ wrench. Torque 55 ft-lbs.
   Sway bar end link to lower control arm using a 17mm socket \ wrench. Torque 55 ft-lbs.
   Front lower control arm mounts using two (2) 22mm sockets \ wrenches. Torque 207 ft-lbs.
4. **Rear Tighten & Torque Sequence.**
   Rear shock absorber upper mount using a 8mm & a 19mm socket \ wrench. Torque 37 ft-lbs.
   Rear shock absorber lower mount using a 17mm socket \ wrench. Torque 72 ft-lbs.
   Rear track bar at differential mount using a 19mm socket \ wrench. Torque 103 ft-lbs.
   Rear upper control arm mounts using a 19mm socket \ wrench. Torque 100 ft-lbs.
   Rear lower control arm mounts using a 19mm socket \ wrench. Torque 100 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.					

Seat Belts Save Lives, Please Wear Your Seat Belt.