

SKYJACKER

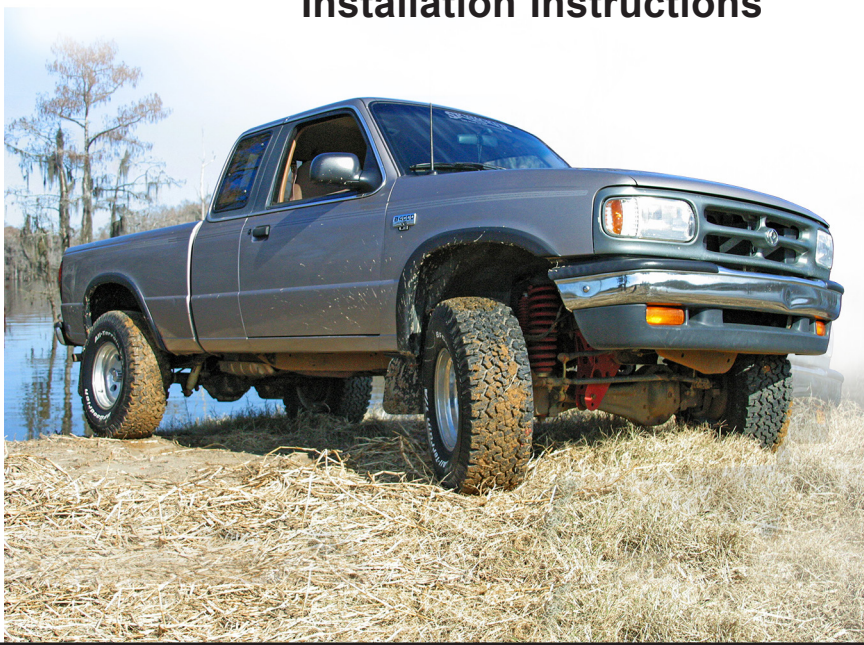
SUSPENSIONS

SKYJACKER.COM

1982-1997 Ford Ranger 4WD
1994-1997 Mazda B3000 4WD
1994-1997 Mazda B4000 4WD
Class II 4" & 6" Suspension Lift
Installation Instructions

Required Tools List:

- **SAE Sockets \ Wrenches**
(9/16", 5/8", 3/4", 13/16", & 1-1/8")
- **Metric Sockets \ Wrenches**
(14mm, 15mm, 18mm, & 21mm)
- **Diagonal Cutting Pliers**
- **Pitman Arm Puller Tool**
- **Brake Line \ Flare Nut Wrenches**
- **Angle Drill** • **Drill**
- **Drill Bits (1/8", 1/4", 3/8", 7/16" & 1/2")**
- **Adjustable Channel Lock Pliers**
- **Pliers** • **Punch**
- **Center Punch** • **Hammer**
- **Cut-Off Tool** • **Power Grinder**
- **Air Chisel** • **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.

Important Notes:

- Lift Height Is Determined by Amount of Front Lift to Vehicle While Lifting Rear to a More Level Stance With Front Lift Height.
- This Suspension Lift is Designed to Fit Power Steering Models Only.
- 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.
- This Radius Arm Kit Is a Bolt-On Assembly. Do Not Weld Components to Vehicle & Do Not Weld Anything to Components.
- Check OEM Vehicle Frame for Any Damage or Severe Corrosion. If There Is Any Doubt as to Condition of Chassis, Have a State Approved Alignment \ Frame Specialist Check Vehicle. If There Is Any Structural Damage, Do Not Install this Kit.
- Skyjacker® Replacement Extended Length DOT Approved Brake Lines Are Required.
- If Equipped, Front Sway Bar Extended End Links May Be Required.
(3"-4" Lift Height - Part # SBE638 Pair. 5"-6" Lift Height - Part # SBE734 Pair).
- May Require Qty. Two (2) Part # HS25 – Hex Cut Spacers for Alignment & Leveling Aid with 4.0 Liter Engine.

Kit Breakdown:**Part # 234RHK-A**

Item #	Description	Qty
134	COIL SPRINGS, 4" LIFT - PAIR	1
234RH	COMP BOX: 4" LIFT, 4WD	1
RA135	RADIUS ARM BRACKETS	1

Part # 234RHKS-A

Item #	Description	Qty
134	COIL SPRINGS, 4" LIFT - PAIR	1
234RHS	COMP BOX: SYSTEM 4" LIFT, 4WD	1
FR34S	LEAF SPRING, 4" REAR, SINGLE	2
RA135	RADIUS ARM BRACKETS	1

Part # 236RHK-A

Item #	Description	Qty
136	COIL SPRINGS, 6" LIFT - PAIR	1
236RH	COMP BOX: 6" LIFT, 4WD	1
RA135	RADIUS ARM BRACKETS	1

Part # 236R2KS-A

Item #	Description	Qty
136	COIL SPRINGS, 6" LIFT - PAIR	1
236RHS	COMP BOX: SYSTEM 6" LIFT, 4WD	1
FR34S	LEAF SPRING, 4" REAR, SINGLE	2
RA135	RADIUS ARM BRACKETS	1

Component Box Breakdown:**Part # 134**

Item #	Description	Qty
134S	COIL SPRINGS, 4" LIFT - SINGLE	2

Part # 136

Item #	Description	Qty
136S	COIL SPRINGS, 6" LIFT - SINGLE	2

Part # 234RH

Item #	Description	Qty
LHB352-5	AXLE PIVOT RIGHT BRACKET, DR	1
LHB352-5BP	AXLE PIVOT RIGHT BRACKET, DR	1
RHB35-6	AXLE PIVOT LEFT BRACKET, PA	1
FA400	PITMAN ARM W/ POWER STRG.	1
RBP2W-L	BUMP STOP BRKT, DR & PA	2
BPPY	BUMP STOPS, 2-1/4" POLY	2
SBE638	SWAY BAR END LINKS, 6-3/8"	1
RB20	REAR BLOCK, 2" TAPERED	2
12X234X1012U	1/2 X 2-3/4 X 10-1/2 U-BOLT	4
HB-2346	HDWR BAG: 4" & 6" LIFT, 4WD	1

Component Box Breakdown:**Part # 234RHS**

Item #	Description	Qty
LHB352-5	AXLE PIVOT RIGHT BRACKET, DR	1
LHB352-5BP	AXLE PIVOT RIGHT BRACKET, DR	1
RHB352-6	AXLE PIVOT LEFT BRACKET, PA	1
FA400	PITMAN ARM W/ POWER STRG.	1
RBP2W-L	BUMP STOP BRKT, DR & PA	2
BPPY	BUMP STOPS, 2-1/4" POLY	2
SBE638	SWAY BAR END LINKS, 6-3/8"	1
12X234X812U	1/2 X 2-3/4 X 8-1/2 U-BOLT	4
HB-2346	HDWR BAG: 4" & 6" LIFT, 4WD	1
HB-23462	HDWR BAG: 6" LIFT, 4WD	1

Part # 236RH

Item #	Description	Qty
LHB352-5	AXLE PIVOT RIGHT BRACKET, DR	1
LHB352-5BP	AXLE PIVOT RIGHT BRACKET, DR	1
RHB35-6	AXLE PIVOT LEFT BRACKET, PA	1
FA400	PITMAN ARM W/ POWER STRG.	1
RBP2W-L	BUMP STOP BRKT, DR & PA	2
BPPY	BUMP STOPS, 2-1/4" POLY	2
SBE734	SWAY BAR END LINKS, 7-3/4"	1
RB45	REAR BLOCK, 4.5" TAPERED	2
12X234X1312U	1/2 X 2-3/4 X 13-1/2 U-BOLT	4
HB-2346	HDWR BAG: 4" & 6" LIFT, 4WD	1

Part # 236RHS

Item #	Description	Qty
LHB352-5	AXLE PIVOT RIGHT BRACKET, DR	1
LHB352-5BP	AXLE PIVOT RIGHT BRACKET, DR	1
RHB35-6	AXLE PIVOT LEFT BRACKET, PA	1
FA400	PITMAN ARM W/ POWER STRG.	1
RBP2W-L	BUMP STOP BRKT, DR & PA	2
BPPY	BUMP STOPS, 2-1/4" POLY	2
SBE734	SWAY BAR END LINKS, 7-3/4"	1
12X234X912U	1/2 X 2-3/4 X 9-1/2 U-BOLT	4
HB-2346	HDWR BAG: 4" & 6" LIFT, 4WD	1

Part # RA135

Item #	Description	Qty
RA35-L	RADIUS ARM, LEFT, DR	1
RA35-R	RADIUS ARM, RIGHT, PA	1
RAMB35-L	R.A. MOUNTING BRKT, LEFT, DR	1
RAMB35-R	R.A. MOUNTING BRKT, RIGHT, PA	1
RCM-B	CROSSMEMBER BAR	1
34STVCTN	3/4 COARSE THRD STOVER NUT	2
SAB83	RADIUS ARM BUSHING KIT	1
HB-RA135	HDWR BAG: FOR RA135	1

Hardware Bag Breakdown:**Part # HB-2346**

Item #	Description	Qty
12FTN	1/2 FINE THREAD N/I LOCK NUT	15
12SAEW	1/2 SAE WASHER	14
12X112FTB	1/2 X 1-1/2 FINE THREAD BOLT	7
38CTN	3/8 COURSE THRD N/I LOCK NUT	2
38SAEW	3/8 SAE WASHER	2
716FTN	7/16 FINE THREAD N/I LOCK NUT	1
716SAEW	7/16 SAE WASHER	2
716X112FTB	7/16 X 1-1/2 FINE THREAD BOLT	1
916FTN	9/16 FINE THREAD N/I LOCK NUT	1
916SAEW	9/16 SAE WASHER	2
916X312FTB	9/16 X 3-1/2 FINE THREAD BOLT	1

Part # HB-RA135

Item #	Description	Qty
12FTN	1/2 FINE THREAD N/I LOCK NUT	18
12SAEW	1/2 SAE WASHER	20
12X114FTB	1/2 X 1-1/4 FINE THREAD BOLT	8
12X3FTB	1/2 X 3 FINE THREAD BOLT	2
38FTN	3/8 FINE THREAD N/I LOCK NUT	6
38SAEW	3/8 SAE WASHER	12
38X112FTB	3/8 X 1-1/2 FINE THREAD BOLT	6
LT100	THREAD LOCKING COMPOUND	1

Hardware Bag Breakdown:**Part # SAB83**

Item #	Description	Qty
SAB8-3	STRUT ARM BUSHING, LARGE	2
SAB8-BACK	STRUT ARM BUSHING, SMALL	2

Part # SBE638

Item #	Description	Qty
SBE638-L	SWAY BAR END LINK, 6-3/8"	2
HOURLASS 5/8	HOURLASS BUSHING, 5/8"	4
142121	ES24 SLEEVE, 1.38" LONG	4

Part # SBE734

Item #	Description	Qty
SBE734-L	SWAY BAR END LINK, 7-3/4"	2
HOURLASS 5/8	HOURLASS BUSHING, 5/8"	4
142121	ES24 SLEEVE, 1.38" LONG	4

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

1. Install supplied Shock Boot over Skyjacker Shock. Attach boot to cylinder body with supplied Boot Cable Tie. Remove excess cable tie with diagonal cutting pliers.
2. On front shocks, Coat 5/8" Hourglass Bushings with a water resistant grease & press into lower shock eye. Coat Sleeve & press into shock eye bushings.
3. On rear shocks, Coat Hourglass Bushings with a water resistant grease & press into each shock eye. Coat Sleeve & press into cylinder eye bushings.

Install Sway Bar End Links Bushings & Sleeves.

1. Coat 5/8" Hourglass Bushings with a water resistant grease & press into each link eye. Coat Sleeve & press into each link eye bushing.

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

1. Chock rear tires \ wheels. Ensure that vehicle transmission is in PARK and engage emergency brake. **Note:** Be sure steering wheel \ wheels are pointing straight forward.
2. Raise front of vehicle. Place a floor jack under each outer ends of both axle halves & evenly raise 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. Ease vehicle down onto jack stands. Continue down with jacks until there is only a slight load on each coil spring.
3. Remove front tires \ wheels using a socket.
4. If vehicle is equipped with OEM front sway bar, disconnect driver & passenger OEM sway bar end links from OEM mounts at sway bar & at axle mount using an 18mm socket \ wrench. Remove OEM sway bar end links.
5. Remove two (2) OEM brake caliper mounting bolts from OEM knuckle using an 15mm socket \ wrench. Remove brake caliper from OEM knuckle. **Note:** Hang brake caliper on frame out of way using a hook or bungee. **Do Not** hang by rubber brake line. **Tech Note:** Install an OEM lug nut to hold OEM disc brake rotor safely in place.
6. Remove cotter pin & castle nut from OEM pitman arm at OEM drag link assembly. Separate OEM drag link assembly from OEM pitman arm with pitman arm puller. **Note:** Failure to use proper tool could result in damage to steering mechanism.
7. Mark location of OEM front driveshaft & OEM front differential yoke so driveshaft can be reconnected in its OEM position. **Note:** Failure to do so may result in a driveline imbalance & subsequent vibration.

Disconnect OEM front driveshaft at u-joint. Tape u-joint caps with masking or duct tape to prevent separation. Secure driveshaft up & out of way with bungee strap or wire. **Note:** Be very careful not to pull rear end of driveshaft forward out of its splines or damage may occur to transfer case due to improper re-installation.

8. Disconnect OEM axle vent tube from differential mount.

Note: Perform Steps 9-15 on One Side at a Time.

9. Support OEM axle beam near spindle with a floor jack. Support OEM axle beam at several points to prevent it from tipping or falling over. **Tech Note:** OEM axle beam assemblies are very heavy, so exercise caution when removing them to avoid any possibility of injury.
10. Remove OEM axle pivot bolt from axle beam bushing mount using an 18mm & 21mm socket \ wrench. **Note:** Drive side axle pivot bushing mounts to passenger side. Passenger mounts to driver side.
11. **Tech Note:** Spray a good penetrating oil onto all driver & passenger side OEM coil spring bolts, OEM radius arm bolts & OEM frame mount hardware to help loosen.

12. Disconnect OEM shock at upper shock at coil spring tower using a 14mm socket \ wrench. (Illustration # 1)

Disconnect OEM shock at lower axle mount on radius arm using a 18mm socket \ wrench. (Illustration # 1)

Remove front shock absorber.

13. Remove lower OEM coil spring retainer nut using a 1-1/8" socket \ wrench. Remove spring retainer. (Illustration # 1)

Carefully lower floor jack & remove OEM coil spring.

Remove OEM lower spring isolator. Remove OEM lower spring bracket. (Illustration # 1)

Remove OEM retaining stud using a 1-1/8" socket \ wrench. Remove OEM washer. (Illustration # 1)

14. First, remove OEM bottom bolt from OEM radius arm from OEM front axle beam. (Illustration # 1)

Next, remove OEM retaining stud & OEM retaining washer. Retain all OEM hardware.

15. Remove OEM radius arm retaining nut using a 1-1/8" socket \ wrench. (Illustration # 2)

Remove OEM radius arm rear hardware (bushings, washers, OEM plastic spacer & OEM heat shield (right side only). Retain OEM plastic spacer & OEM heat shield to be reinstalled.

Tech Note:

Adjustable channel lock pliers or a

small pry bar may be needed to remove bushing from radius arm.

Remove OEM radius arm from OEM front axle beam & rear frame mount.

Illustration # 1

Driver Side
← **Front**

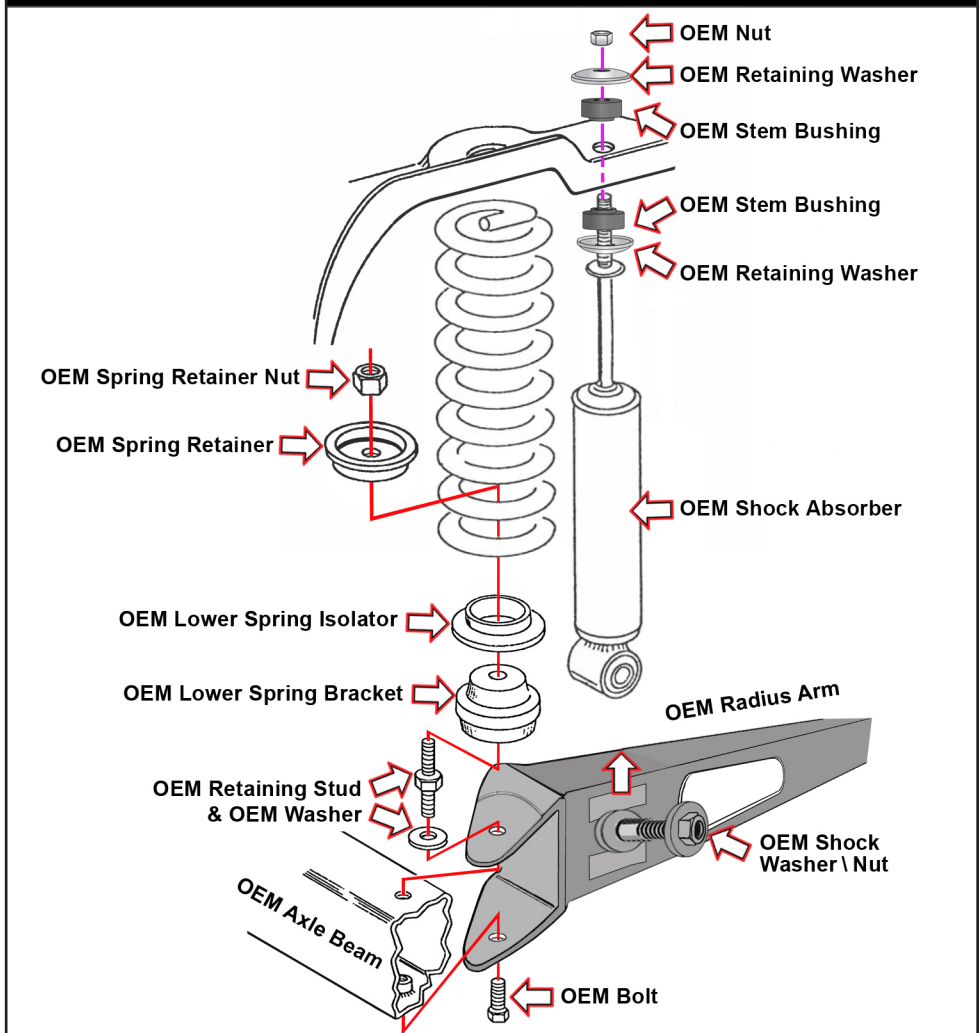
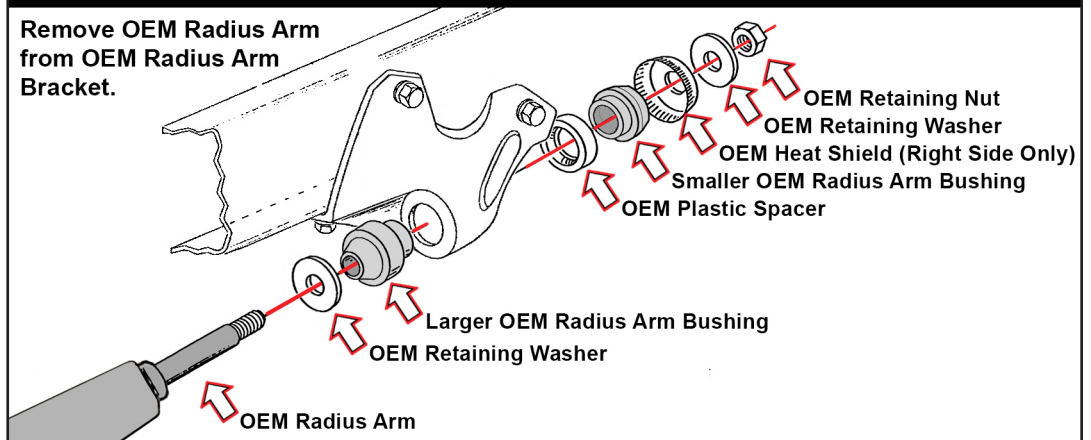


Illustration # 2

Driver Side
← **Front**



Note: Perform Steps 9-15 on Opposite Side Now. Then Proceed to Step 16.

16. Place a jack under OEM transmission & raise until it is touching transmission, but do not put a load on it.

Remove OEM rivets & bolts that attach existing OEM transmission crossmember to the frame.

Note: Some OEM crossmember are bolted to frame: some are riveted. Others have a combination of bolts & rivets. If a torch is used to remove the rivets, be careful not to damage OEM rubber body mounts, wiring & hoses located inside frame rail.

Note: Perform Steps 17-23 on One Side at a Time.

17. Remove OEM radius arm frame mount bracket.
(Illustration # 3) **Note:** Some OEM frame mount brackets are bolted to frame: some are riveted. Others have a combination of bolts & rivets.

Remove by unbolting or remove rivet heads using an air chisel, power grinder, or drill. A right angle drill may be necessary to drill some rivets.

Remove OEM Rivets Steps:

- Center Punch Rivet Head.
- Drill 1/4" Pilot Hole in Center of Rivet Approximately 1/4" Deep.
- Drill Rivet Head Off Using a 7/16" Bit. Be Careful Not to Drill into Crossmember.
- Drive Rivet Out with a Hammer & Punch.

Tech Note: Grind smooth any burrs or sharp edges on OEM frame. Be sure bottom & outside of frame is smooth & clean with nothing protruding between frame & bracket mounting points. OEM frame mount bracket must be flush against frame prior to drilling.

18. Skyjacker Radius Arm Brackets Are Side Specific: # RAMB35-L Driver \ Left & # RAMB35-L Passenger \ Right.

Align appropriate Skyjacker Radius Arm Bracket with two (2) OEM holes on side of frame rail.
(Illustration # 4)

Insert two (2) supplied 1/2" x 1-1/4" Fine Thread Bolt & 1/2" SAE Washer through bracket & frame rail. (Illustration # 4) Attach on inside of frame with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench.

19. Use Skyjacker Bracket as a guide for two (2) mounting holes on bottom of OEM frame.
Mark \ scribe, center punch & drill 1/8" pilot holes. (Illustration # 4)

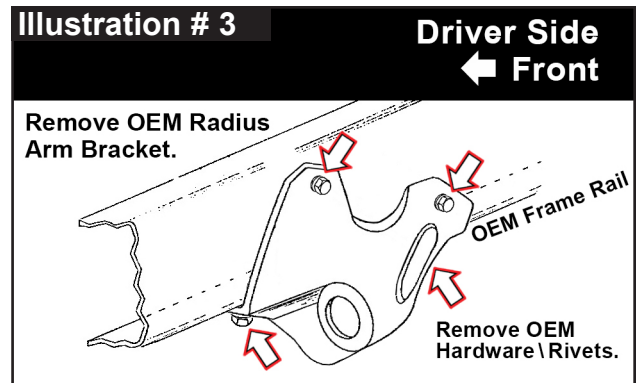
CAUTION: Prior to drilling, check inside frame rail for any obstructions, wires, brake lines, fuel lines, hoses, etc that could be damaged.

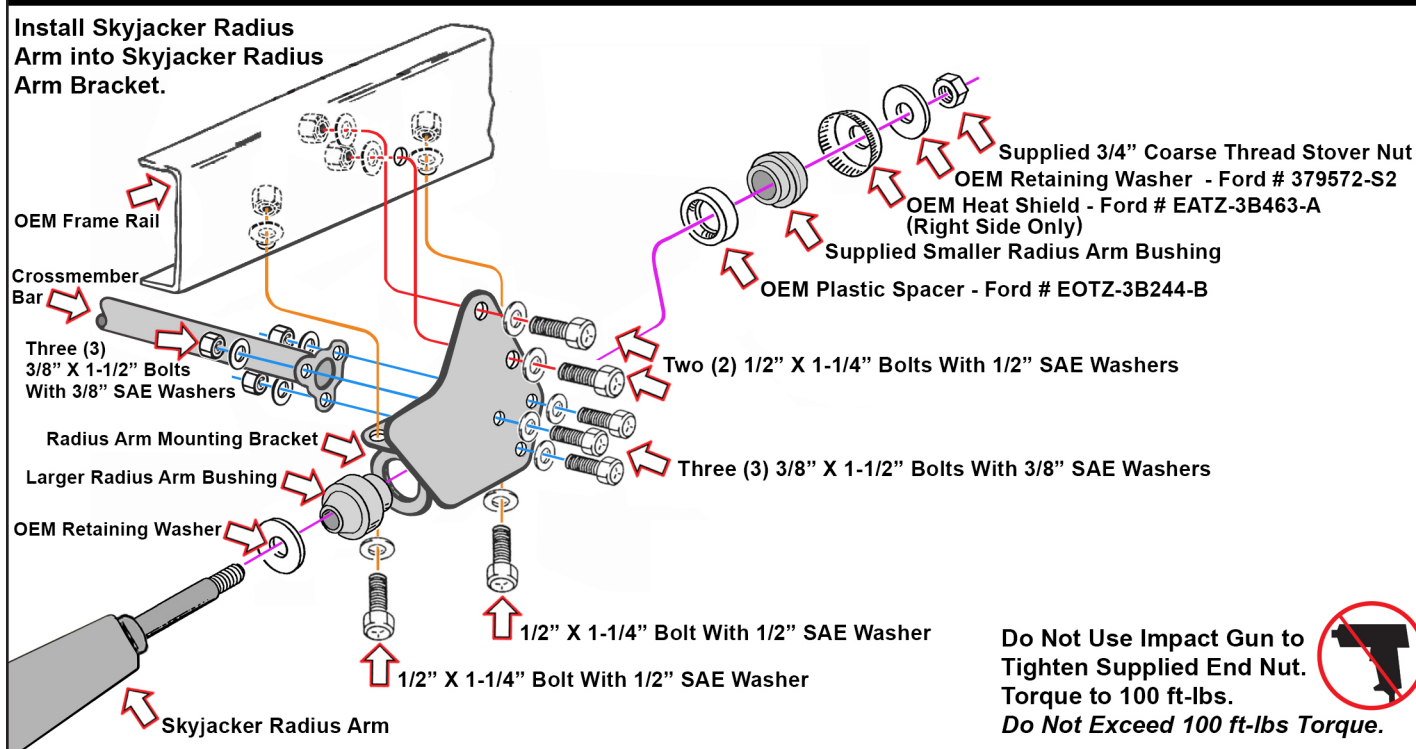
It may be necessary to reroute lines on certain model vehicles if they interfere with relocated mounting brackets.

Drill out pilot holes with a 1/2" drill bit.

20. Insert two (2) supplied 1/2" x 1-1/4" Fine Thread Bolt & 1/2" SAE Washer up through bracket & drilled holes in frame rail. (Illustration # 4) Attach on inside of frame with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench.

Fully tighten & torque all hardware. Torque 90 ft-lbs.





21. **Note:** Skyjacker Radius Arms Are Side Specific: # RA35-L Driver Side \ Left & # RA35-R Passenger Side \ Right. Skyjacker Replacement Radius Arm Bushing Kit # SAB83 includes bushings for driver & passenger side.

First, install OEM retaining washer & supplied Large 'Cone Shaped' Radius Arm Bushing onto appropriate Skyjacker Radius Arm retaining stud. (Illustration # 4)

Next, position Skyjacker Radius Arm retaining stud into Skyjacker Radius Arm Bracket.

22. Position front end mount of Skyjacker Radius Arm into front OEM axle mount. (Illustration # 5)
- First, install OEM bottom bolt into OEM front axle beam through Skyjacker radius arm.
- Next, install OEM retaining washer & retaining stud into OEM front axle beam through Skyjacker radius arm.

NOTE: 4.0 Liter Engine Models ONLY, under each Skyjacker coil spring install one (1) of Part # HS25 Hex-Cut Coil Spring Spacers over OEM retaining stud BEFORE installing OEM spring bracket & OEM spring isolator.

Position lower OEM spring bracket & OEM lower spring isolator on top of OEM retaining stud.

23. At Skyjacker Radius Arm rear mount, install OEM plastic spacer, supplied Small Radius Arm Bushing, OEM heat shield (right only), & OEM retaining washer. (Illustration # 4)

Install supplied 3/4" Course Thread Nut onto Skyjacker Radius Arm retaining stud using a 1-1/8" socket \ wrench. Secure, but **Do Not Completely Tighten**. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels. **Note:** Do Not Use Impact Gun to Tighten Supplied End Nut.

Note: Perform Steps 17-23 on Opposite Side Now. Then Proceed to Step 24.

24. Position Skyjacker # RCM-B Crossmember Bar between driver & passenger side Skyjacker Radius Arm Brackets so that Skyjacker Crossmember upper mount aligns with OEM transmission bracket. (Illustration # 4)

Secure, but do not tighten, Skyjacker Crossmember to OEM transmission bracket with OEM hardware.

Secure, but **Do Not Completely Tighten**, Skyjacker Crossmember to each Skyjacker Radius Arm Bracket. Insert three (3) supplied 3/8" x 1-1/2" Fine Thread Bolts & 3/8" SAE Washer through bracket & crossmember. (Illustration # 4) Attach to crossmember with supplied 3/8" SAE Washer & 3/8" Nylon Insert Lock Nut using a 9/16" socket \ wrench.

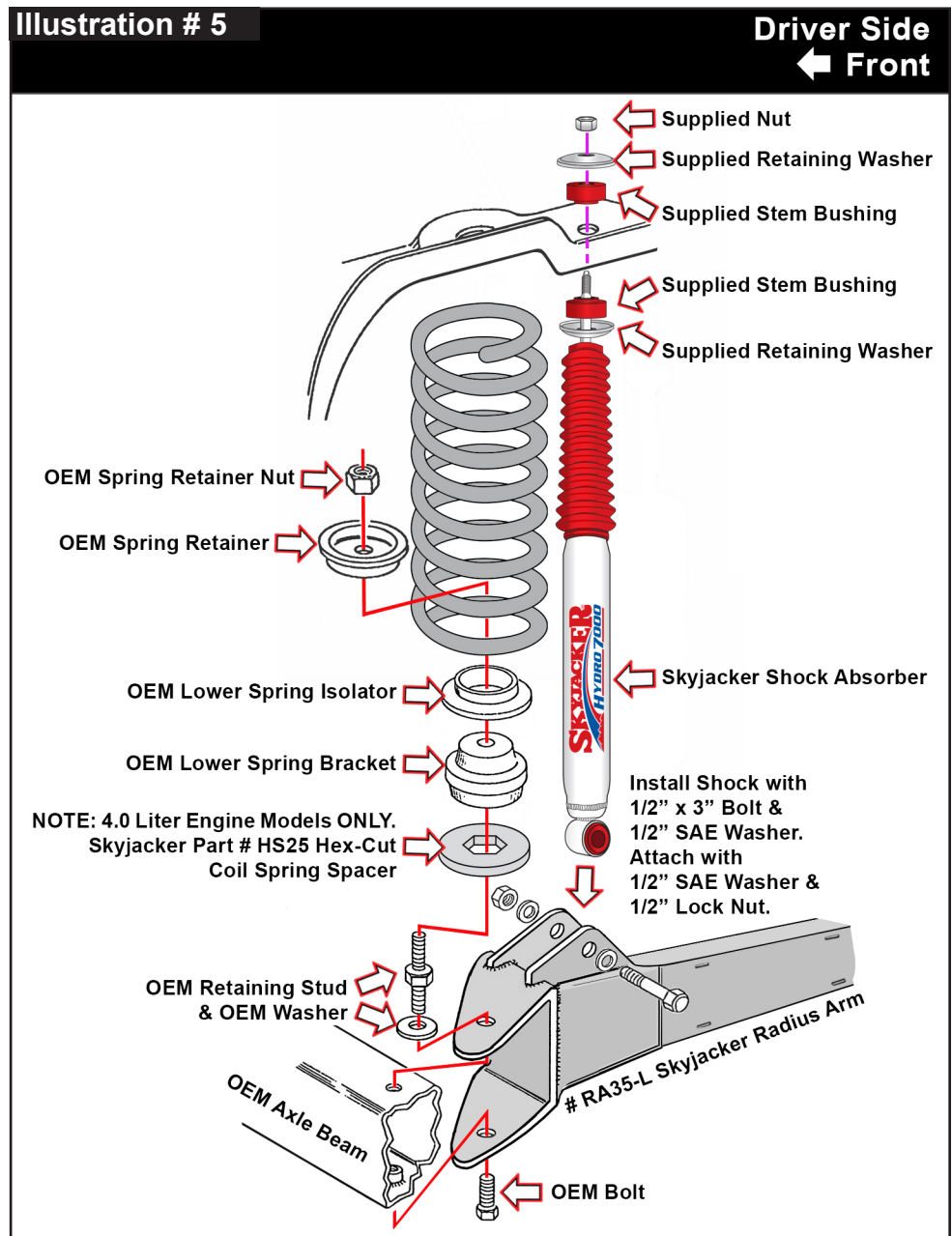
Once all bolts are started, fully tighten & torque all hardware. Torque 3/8" Bolts to 35 ft-lbs.

Note: Perform Steps 25-26 on One Side at a Time.

25. With a floor jack still supporting OEM axle beam, lower axle beam enough to install Skyjacker Coil Spring. Place Skyjacker Coil Spring first into upper OEM spring tower, then onto lower OEM spring isolator & OEM spring bracket. (Illustration # 5)

Insert OEM spring retainer & OEM retainer nut into coil spring. Attach OEM retainer nut to OEM retaining stud using a 1-1/8" socket \ wrench.

Note: Be sure coil spring is seated properly into OEM upper coil spring mount by rotating coil until pigtail hits spring stop. Be sure coil spring is properly aligned with lower OEM spring isolator & OEM spring bracket.



26. Install Skyjacker front shock. (Illustration # 5) Attach lower shock eye mount to Skyjacker Radius Arm \ shock mount with supplied 1/2" x 3" Fine Thread bolt & 1/2" SAE Washer from front-to-back of vehicle.

Attach with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten**. To set bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.

Install a supplied Shock Washer & Polyurethane Stem Bushing onto Skyjacker shock stem. Attach to upper OEM shock tower mount with supplied Bushing, Washer & Nut. Secure, but **Do Not Completely Tighten**.

Note: Perform Steps 25-26 on Opposite Side Now. Then Proceed to Steps 27-29.

Note: Perform Steps 27-29 on One Side at a Time.

27. Remove OEM bump stop from OEM frame mount.

28. **Note:** Skyjacker Bump Stop Extended Brackets Are Not Side Specific: # RBP2W-L Driver & Passenger.

Enlarge OEM frame mount hole using a 3/8" drill bit.

Install Skyjacker Bump Stop Extended Bracket with supplied 3/8" Coarse Stover Nut using a 9/16" socket \ wrench. (Illustration # 6)

29. Install Skyjacker # BPPY 2-1/4" Polyurethane Bump Stop into bottom of Skyjacker Bump Stop Extended Bracket. (Illustration # 6)

Note: Perform Steps 27-29 on Opposite Side Now.

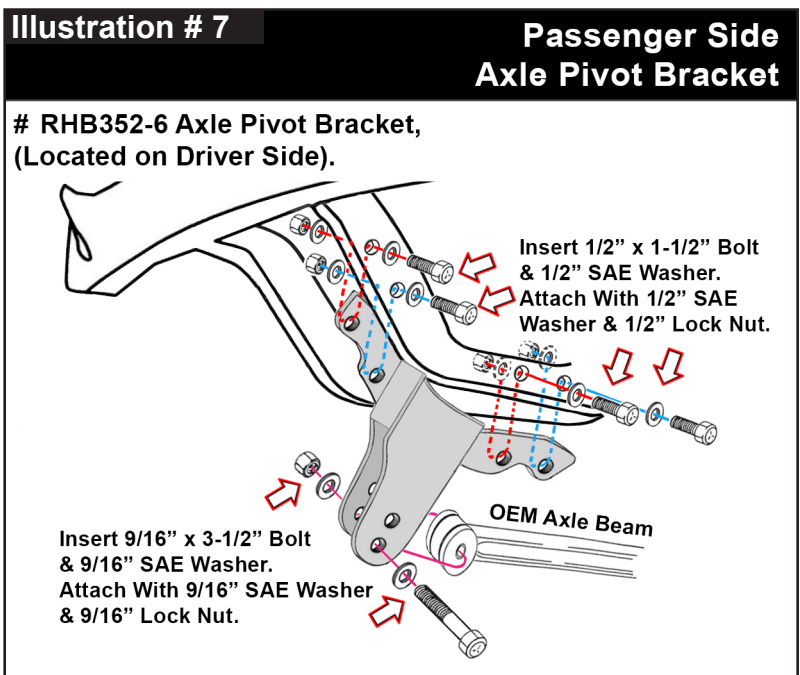
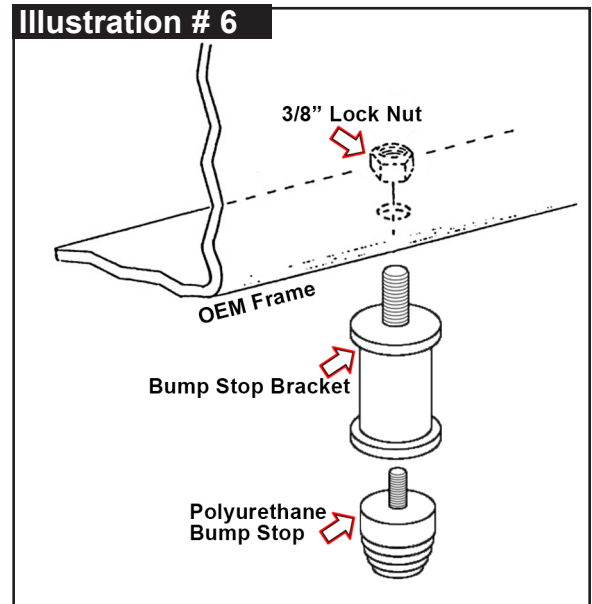
30. If equipped with OEM power steering cooler line (located on forward side of front OEM crossmember), remove two (2) OEM bolts that holds steering cooler line at forward crossmember. Carefully move cooler line out of way.

Also check OEM metal brake line running across front OEM crossmember. Carefully move brake line out of way.

Note: Perform Steps 31-33 on Driver Axle Pivot Bracket (located on passenger side).

31. Remove OEM rivets \ bolts that attach OEM driver side axle pivot bracket (located on passenger side) to OEM front crossmember. (Illustration # 7)

Note: Some OEM crossmember are bolted to frame: some are riveted. Others have a combination of bolts & rivets.



32. Using a 1/2" drill bit, enlarge all four (4) OEM mounting holes in OEM crossmember. **Tech Note:** Grind smooth any burrs or sharp edges on inside of OEM crossmember. Be sure inside of OEM crossmember is smooth & clean with nothing protruding between OEM crossmember & Skyjacker bracket mounting points.
33. Install Skyjacker # RHB352-6 Cast Steel Bracket with supplied 1/2" x 1-1/2" Fine Thread Bolt & 1/2" SAE Washer through Skyjacker bracket & OEM crossmember, supplied 1/2" x 1-1/2" Bolts supplied. (Illustration # 7) Attach on inside of OEM crossmember with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. Torque 90 ft-lbs.

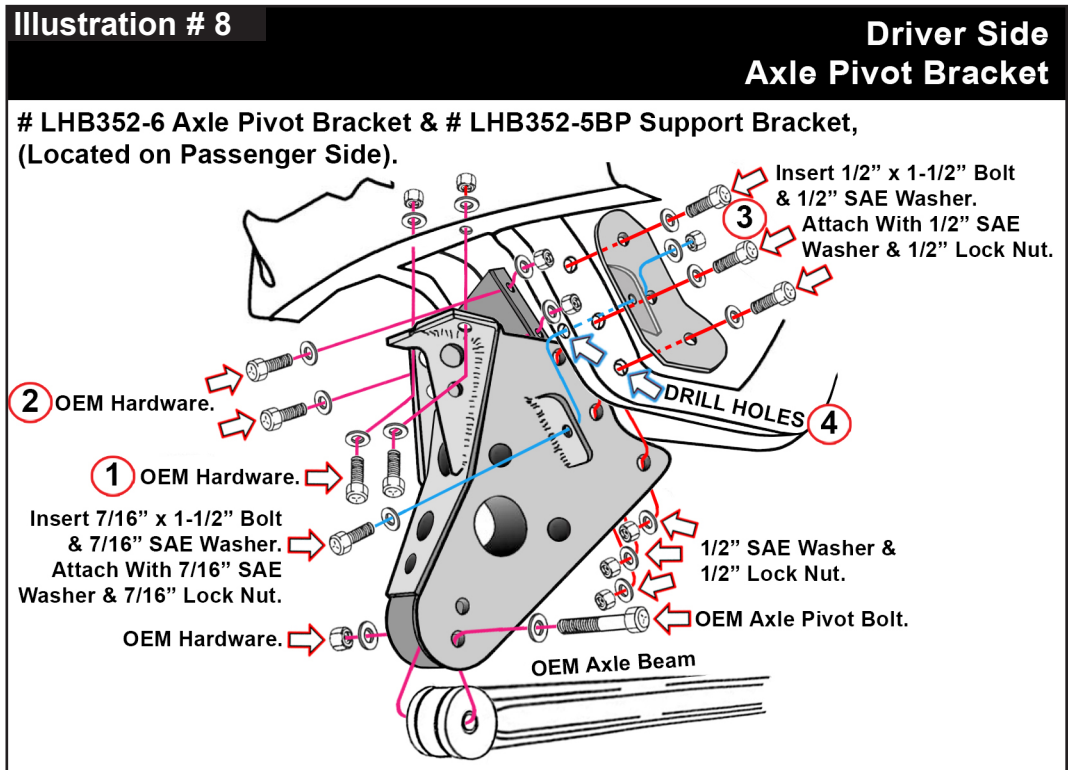
Note: Perform Steps 34-39 on Passenger Axle Pivot Bracket (located on driver side).

34. Remove OEM bolts that attach OEM passenger side axle pivot bracket (located on driver side). (Illustration # 8)

First, remove two (2) OEM hardware from OEM axle pivot bracket at upper frame mount. Retain hardware.

Second, remove two (2) OEM hardware from OEM axle pivot bracket at rear of crossmember mount. Retain hardware.

Third, remove two (2) OEM hardware from OEM axle pivot bracket at front of crossmember mount. Retain hardware.



35. Install Skyjacker # RHB3262-5 Passenger Axle Pivot Bracket with OEM hardware & supplied hardware. (Illustration # 8)

First, attach two (2) OEM hardware to Skyjacker Axle Pivot Bracket at upper frame mount. Secure, but **Do Not Completely Tighten**.

Second, attach two (2) OEM hardware to Skyjacker Axle Pivot Bracket at rear of crossmember mount. Secure, but **Do Not Completely Tighten**.

36. Third, attach Skyjacker # LHB352-5BP Support Bracket, OEM crossmember & Skyjacker Axle Pivot Bracket together.

First, insert supplied 1/2" x 1-1/2" Fine Thread Bolt & 1/2" SAE Washer through top hole of Skyjacker Support Bracket, OEM crossmember & Skyjacker Axle Pivot Bracket. Attach on inside of OEM crossmember with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten**.

Next, pivot Support Bracket down so that tab is flush against crossmember lip. Insert supplied 1/2" x 1-1/2" Fine Thread Bolt & 1/2" SAE Washer through middle hole of Skyjacker Support Bracket, OEM crossmember & Skyjacker Axle Pivot Bracket. Attach on inside of OEM crossmember with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench. Secure, but **Do Not Completely Tighten**.

37. Using Skyjacker Axle Pivot Bracket tab as a guide, drill a hole in crossmember lip using a 7/16" drill bit.

Attach Skyjacker Axle Pivot Bracket tab up through OEM crossmember to Support Bracket tab with supplied 7/16" x 1-1/2" Fine Thread Bolt & 7/16" SAE Washer. Attach on topside of Support Bracket with supplied 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench. Torque 60 ft-lbs.

38. Using Skyjacker Support Bracket tab bottom hole as a guide, drill a hole in crossmember using a 1/2" drill bit.

Insert supplied 1/2" x 1-1/2" Fine Thread Bolt & 1/2" SAE Washer. Attach on inside of OEM crossmember with supplied 1/2" SAE Washer & 1/2" Nylon Insert Lock Nut using a 3/4" socket \ wrench.

39. Torque all bolts to appropriate specifications. **Then Proceed to Step 40.**

Torque Specifications:

OEM Hardware = OEM Specifications

7/16" Bolts = 60 ft-lbs

1/2" Bolts = 90 ft-lbs

9/16" Bolts = 130 ft-lbs

Note: Perform Step 40 on One Side at a Time. Then Proceed to Step 41.

40. Using a floor jack, raise & position one of OEM axle beam into appropriate OEM axle pivot bracket.

Attach OEM passenger axle beam to Skyjacker **Driver Axle Pivot Bracket (located on passenger side)** with supplied 9/16" x 3-1/2" Fine Thread Bolt & 1/2" SAE Washer through Skyjacker bracket. (Illustration # 7) Attach with supplied 9/16" SAE Washer & 9/16" Nylon Insert Lock Nut using a 13/16" socket \ wrench. Torque 130 ft-lbs.

Attach OEM driver axle beam bushing mount into lower hole of **Passenger Axle Pivot Bracket (located on driver side)** with OEM bolt, washer & nut using a 18mm & 21mm socket \ wrench. (Illustration # 8) **Proceed to Step 41.**

41. Remove OEM pitman arm nut from OEM steering gear using a 21mm socket \wrench.
Remove OEM pitman arm from OEM steering gear using a pitman arm puller tool.
42. **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.
Attach Skyjacker Pitman Arm with OEM pitman arm nut using a 21mm socket \wrench.
Torque Pitman Arm Nut to 170-230 ft.-lbs.
43. **Note:** Check OEM drag link rod ends for slack or worn stud sockets. Replace drag link if stud sockets are loose.
Connect OEM drag link assembly to Skyjacker pitman arm. Install OEM castle nut & cotter pin to OEM drag link assembly.
44. Reinstall OEM brake caliper to OEM knuckle with OEM brake caliper mounting bolts. Torque 22-27 ft.-lbs.
NOTE: Brake line installation should be done by a professional mechanic. After installation of Skyjacker # RBL35 Rear Brake Lines, vehicle's brake system will need to be bleed & purged of any air in lines before vehicle can be driven. It is suggested to familiarize yourself with brake bleeding process before beginning installation of Skyjacker brake lines. A brake bleeding tool is useful, but bleeding brake system should be done by two (2) professional mechanics.
45. Install Skyjacker Front Brake Lines. Turn tires to gain better access to brake components.
Unclip all OEM ABS line rubber grommets from OEM brake line rubber keepers.
Disconnect OEM brake line block fitting bolt at brake caliper using a brake line \flare nut wrench. **Note:** Be sure OEM crush washers are removed from OEM caliper mating surfaces.
Disconnect OEM brake line from OEM brake frame mount using a wrench & brake line \flare nut wrench.
46. Remove OEM spring clip from OEM brake frame mount using pliers or screwdriver.
Attach Skyjacker brake line block fitting to OEM caliper with OEM block bolt & supplied 3/8" Copper Crush Washers. Install with one (1) supplied 3/8" Copper Crush Washer on each side of Skyjacker block fitting using a flare nut wrench.
Note: Install with brake line bend at same angle as OEM. Torque OEM specifications.
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 flare nut wrench on OEM brake line & a flare nut wrench on Skyjacker brake line.
47. Install supplied OEM brake line clip between OEM brake frame mount & top of Skyjacker brake line. Line up clip & tap it into position with a rubber mallet to secure it in place.
CAUTION: Do Not Drive Vehicle until you have bleed brake line system & have a firm brake pedal.

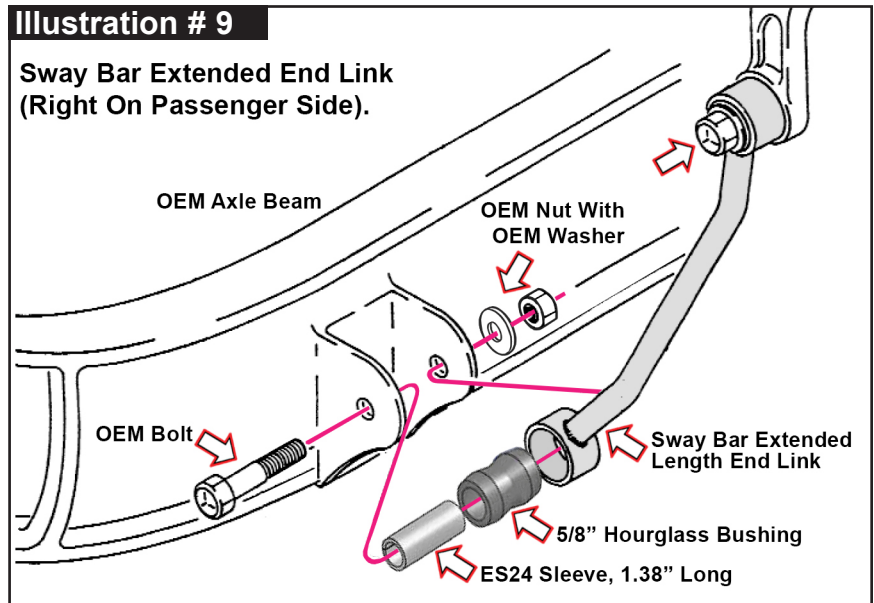
NOTE: If Equipped, Install Skyjacker Replacement Sway Bar Extended End Links. Then Proceed to Step 49. 3"-4" Lift Height - Part # SBE638. 5"-6" Lift Height - Part # SBE734.

48. If vehicle is equipped with OEM sway bar, install Skyjacker Sway Bar Extended End Links.
Note: Skyjacker Sway Bar Extended End Links Are Not Side Specific: Driver or Passenger Side.

Install Skyjacker upper end link mount to OEM frame mount with OEM hardware. (Illustration # 9) Secure, but **Do Not Completely Tighten**.

Install Skyjacker lower end link mount to OEM sway bar with OEM hardware. (Illustration # 9) Secure, but **Do Not Completely Tighten**.

49. Reinstall OEM axle vent hose.
50. Align marks on OEM front driveshaft \ flange & connect driveshaft with OEM hardware.
51. Install front tires \ wheels. Lower vehicle to ground. Torque lugs to OEM service manual specifications.



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.
3. Place a floor jack underneath rear axle for support. Put a slight load on axle \ jack to prevent axle from moving. Allow ample room to lower rear axle.
4. If equipped, disconnect OEM vent hose from rear differential housing.
5. Remove OEM rear shocks. Retain factory mounting hardware for re-use.
6. Remove OEM U-bolts. Discard U-bolts & hardware. Retain lower OEM U-bolt plate.

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

7. While checking for appropriate slack in brake lines, differential vent hose, e-brake & etc. Lower axle away from leaf springs to allow clearance for Skyjacker block.
8. **4" Lift:** Clean spring pads of all debris. Position Skyjacker # RB20 Tapered 2" Rear Lift Block On Top of OEM block & axle pad. **Note:** Place taller end of lift block toward rear of vehicle.

6" Lift: Clean spring pads of all debris. Position Skyjacker # RB45 Tapered 4.5" Rear Lift Block On Top of OEM block & axle pad. **Note:** Place taller end of lift block toward rear of vehicle.

Raise axle to mate leaf springs to lift OEM block. **Note:** Be sure that leaf spring center bolt head seats properly into OEM block & that OEM block pin seats properly into top of axle pad.

Install Skyjacker supplied 9/16" U-bolts over axle up into OEM U-bolt plate. Install supplied 9/16" Nylon Insert Nuts using a 13/16" socket \ wrench. Tighten U-bolts evenly using an 'X' crisscross tightening sequence. Torque to 95 ft-lbs. **Proceed to Step 12.**

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.
10. Remove OEM rear leaf spring. (Note direction of OEM hardware.)
Loosen front spring eye bolt. Loosen rear spring eye bolt. Loosen rear shackle eye bolt.
Disconnect spring eye bolts & remove leaf spring with rear shackle attached.
Attach 'short' end of Skyjacker leaf spring to forward frame mount with OEM hardware.
Attach 'long' end of Skyjacker leaf spring to rear shackle mount with OEM hardware.
Note: On Skyjacker springs with a degree shim, place taller end of shim toward rear of vehicle.
Secure OEM hardware, but **Do Not Completely Tighten** leaf spring hardware at this time. To set spring bushings properly for ride height, these will be tightened once vehicle is on ground with full vehicle weight on tires \ wheels.
11. **4" System With # FR34S Rear Springs:**
Remove OEM blocks & install springs on top of axle.
6" System With # FR34S Rear Springs: Install springs on top of OEM blocks. **Tech Note:** Some models may sit high in rear, as it did from factory. If so, OEM rear block may be removed to lower rear of vehicle, if desired.
Raise axle to mate leaf springs to OEM axle pad and \ or OEM block. **Note:** Be sure that leaf spring center bolt head seats properly into OEM block & that OEM block pin seats properly into top of axle pad.
Install Skyjacker supplied 9/16" U-bolts over axle up into OEM U-bolt plate. Install supplied 9/16" Nylon Insert Nuts using a 13/16" socket \ wrench. Tighten U-bolts evenly using an 'X' crisscross tightening sequence. Torque to 95 ft-lbs. **Proceed to Step 12.**
12. Install Skyjacker rear shock with OEM hardware at upper shock tower mount.
Connect Skyjacker shock at lower axle mount with OEM hardware. 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.
13. If equipped, reconnect OEM vent hose to rear differential housing.
14. Install rear tires \ wheels. Lower vehicle to ground. Torque lugs to OEM service manual specifications.
15. 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.

Final Clearance Check & Torque Steps:

CAUTION: Do Not Drive Vehicle until you have bleed brake line system & have a firm brake pedal. Brake line installation should be done by a professional mechanic. Vehicle's brake system Must Be bleed & purged of any air in lines before vehicle can be driven. It is suggested to familiarize yourself with your vehicle's particular brake bleeding process. A brake bleeding tool is useful, but bleeding brake system should be done by two (2) professional mechanics.

Note: Drag Link Must Be Adjusted to Center Steering Wheel Before Vehicle Is Driven. Failure to Do So Will Cause Odd Handling Characteristics, & Poor Performance.

1. Jounce vehicle a couple of times. This will help suspension settle to new ride height. Cycle steering left-to-right lock-to-lock. Check all components for proper operation & clearances. Check for any binding or interference.

There should be a Minimum of 1" of Clearance Between Tires & Radius Arms at Full Lock.

Note: If Less than 1", check to make sure you have proper tire \ wheel size & offset. If necessary, OEM steering stop bolts may be adjusted out to a Maximum of 1-1/4".

2. Front Tighten & Torque Sequence.

Front shock absorber upper mount using a 14mm socket \ wrench. Torque 15-25 ft-lbs.

Front shock absorber lower mount using a 3/4" socket \ wrench. Torque 65 ft-lbs.

Tighten Skyjacker Sway Bar Extended End Links until bushing starts to swell slightly.

NOTE: Remove Skyjacker Radius Arm 3/4" End Nut at Skyjacker Bracket using a 1-1/8" socket \ wrench. Apply supplied Thread Locking Compound to Skyjacker Radius Arm nut mount.

Reinstall supplied 3/4" End Nut using a 1-1/8" socket \ wrench. **Note:** Do Not Use Impact Gun to Tighten Supplied End Nut. Torque to 100 ft-lbs. **Do Not Exceed 100 ft-lbs.**

3. Rear Tighten & Torque Sequence.

Tighten Shock Bushings until bushing starts to swell slightly.

Tighten Leaf Springs in this sequence:

- 1) Front spring eye bolt. 2) Rear spring eye bolt. 3) Rear shackle eye bolt.

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	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
Above Specifications Are Not to Be Used When the Bolt Is Being Installed With a Bushing.					

SKYJACKER

SUSPENSIONS

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- innministries.org
- familychurch.org
- kcm.org

Jesus Christ Died For You.

John 3:16

For God so loved the world that He gave His only Son, so that everyone who believes in Him should not perish, but have everlasting life.

Romans 3:23

For all have sinned; all fall short of God's glorious standard.

Ephesians 2:8

God saved you by his special favor when you believed. And you can't take credit for this; it is a gift from God.

Psalms 18:2

The Lord is my Rock, my fortress, and my savior; my God is my Rock, in whom I find protection. He is my shield, the strength of my salvation, and my stronghold.

Romans 10:9-10

That if you shall confess with thy mouth the Lord Jesus, and shall believe in your heart that God hath raised him from the dead, you shall be saved. For with the heart man believeth unto righteousness; and with the mouth confession is made unto salvation.

Pray This Simple Prayer:

God, I come to You admitting I have sinned against You and I need you to take control of my life. The Bible says anyone who calls on the name of the Lord will be saved.

I am calling on You, Jesus. I ask that You come live in my heart and be the Lord over my life today. I do believe You died on the cross for me and came back to life to give me life! Thank You, Lord Jesus for a new life in You! Amen.

Now, go and tell somebody about your new life in Jesus, get a Bible, beginto read it, and go to a Bible believing church.

If you would like someone to pray with you, call Kenneth Copeland Ministries anytime at 800-600-7395.

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**JESUS
FORGIVES
ROCKS
DON'T**

Jesús murió por ti.

Juan 3:16

Porque tanto amó Dios al mundo, que dio a su Hijo unigénito, para que todo el que cree en él no se pierda, sino que tenga vida eterna.

Romanos 3:23

Pues todos han pecado y están privados de la gloria de Dios.

Efesios 2:8

Porque por gracia ustedes han sido salvados mediante la fe; esto no procede de ustedes, sino que es el regalo de Dios.

Salmos 18:2

El Señor es mi roca, mi amparo, mi libertador; es mi Dios, el peñasco en que me refugio. Es mi escudo, el poder que me salva, ¡mi más alto escondite!

Romanos 10:9-10

Que si confiesas con tu boca que Jesús es el Señor, y crees en tu corazón que Dios lo levantó de entre los muertos, serás salvo. Porque con el corazón se cree para ser justificado, pero con la boca se confiesa para ser salvo.

Ahora dí esta simple oración:

Dios, vengo a Ti y admito que he pecado contra Ti, necesito que tomes el control de mi vida. La Biblia dice que todo aquel que invoca el nombre del Señor escapará con vida. En este momento yo clamo ante Ti, Jesús; te pido que vengas a vivir en mi corazón y que tomes el control de mi vida. ¡Yo creo que tu moriste en la cruz y resucitaste para darme vida! ¡Gracias Señor Jesús, por una nueva vida que tengo en Ti! Amén.

Ahora ve y dile a alguien sobre la nueva vida que tienes en Cristo. Compra una Biblia y empieza a leerla. Busca una Iglesia que cree en la Biblia y hazte parte de esa Iglesia.

Si te gustaría orar con alguien, puedes llamar a este número 800-600-7395

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