SKYJACKER® SUSPENSIONS
www.skyjacker.com

1980-1996 Ford F150 4WD
1980-1996 Ford Bronco 4WD
4"- 6" Suspension Lift
1980-1997 Ford F250 2WD
1980-1996 Ford F350 2WD
3"- 5" Suspension Lift
Installation Instructions

Required Tools List:

- SAE Sockets \ Wrenches
- Metric Sockets \ Wrenches
- Diagonal Cutting Pliers
- Pitman Arm Puller Tool
- Angle Drill
- Drill
- 1/8", 1/4", 7/16 & 1/2" Drill Bits
- Punch
- Center Punch
- Hammer
- Cut-Off Tool
- Power Grinder
- Air Chisel
- Safety Glasses
- Masking or Duct Tape
- 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:

- Lift Height Is Determined by Amount of Front Lift to Vehicle While Lifting Rear to a More Level Stance With Front Lift Height.
- 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.
- After Installation, a Qualified Alignment Facility Is Required to Align Vehicle to OEM Specifications. If vehicle cannot be brought to within +/- 1/2° of OEM Specifications, Adjustable Camber \ Caster Alignment Shims May Be Required. (Part # 1032H. Requires 1 Per Side).
- 1980-1997 F250 2WD & 1980-1996 F350 2WD Models Require Hex-Cut Coil Spring Spacers. (Part # HS25. Requires 1 Per Side.)
- Skyjacker® Offers Sway Bar Lowering Bracket Kits. (# SBL20 for 4" Lifts & # SBL40 for 6" Lifts).

- Skyjacker® Offers a Replacement Radius Arm Bushing Kit. (# SAB85).
- Skyjacker® Offers Replacement Extended Length DOT Approved Brake Lines.

Component Box Breakdown:

Part # 184

Item #	Description	Qty
184S	SOFTRIDE COIL SPRING, 4"	2

Part # 184B

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X1112U	9/16 X 3-1/4 X 11-1/2 U-BOLT, RD	4
RB35	3.5" REAR BLOCK, TAPERED	2
HB-1846	HDWR BAG: 184 & 186	1

Part # 184BS

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X712U	9/16 X 3-1/4 X 7-1/2 U-BOLT, RD	4
HB-1846	HDWR BAG: 184 & 186	1

Part # 184F2

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
HS25	HEX-CUT SPACERS, 3/8" LIFT	2
58X338X11U	5/8 X 3-3/8 X 11 U-BOLT, RD	4
RB20	2" REAR BLACK, TAPERED	2
HB-1846F2	HDWR BAG FOR 184F2 &184F2	1

Part # 184P

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X1112U	9/16 X 3-1/4 X 11-1/2 U-BOLT, RD	4
RB20	2" REAR BLOCK, TAPERED	2
HB-1846	HDWR BAG: 184 & 186	1

Part # 184PS

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X912U	9/16 X 3-1/4 X 9-1/2 U-BOLT, RD	4
HB-1846	HDWR BAG: 184 & 186	1

Component Box Breakdown:

Part # 186

Item #	Description	Qty
186S	SOFTRIDE COIL SPRING, 6"	2

Part # 186B

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X1312U	9/16 X 3-1/4 X 13-1/2 U-BOLT, RD	4
RB55	5.5" REAR BLOCK, TAPERED	2
HB-1846	HDWR BAG: 184 & 186	1

Part # 186BS

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X912U	9/16 X 3-1/4 X 9-1/2 U-BOLT, RD	4
HB-1846	HDWR BAG: 184 & 186	1

Part # 186F2

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
HS25	HEX-CUT SPACERS, 3/8" LIFT	2
58X338X13U	5/8 X 3-3/8 X 13 U-BOLT, RD	4
RB35	3.5" REAR BLACK, TAPERED	2
HB-1846F2	HDWR BAG FOR 184F2 &184F2	1

Part # 186P

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X1512U	9/16 X 3-1/4 X 15-1/2 U-BOLT, RD	4
RB45	4.5" REAR BLOCK, TAPERED	2
HB-1846	HDWR BAG: 184 & 186	1

Part # 186PS

Item #	Description	Qty
LHB543-5	AXLE PIVOT BRACKET, PA\LEFT	1
RHB543-6	AXLE PIVOT BRACKET, DR\RIGHT	1
LRB54-5	RADIUS ARM BRKT, DR\LEFT	1
RRB54-6	RADIUS ARM BRKT, PA\RIGHT	1
916X314X912U	9/16 X 3-1/4 X 9-1/2 U-BOLT, RD	4
HB-1846	HDWR BAG: 184 & 186	1

Hardware Box Breakdown:		
Part # HB-1846		
Item #	**Description**	**Qty**
12FTN	1/2-20 FINE N/I LOCK NUT	7
12SAEW	1/2 SAE WASHER	14
12X112FTB	1/2 X 1-1/2 FINE THREAD BOLT	7
716FTN	7/16-20 FINE N/I LOCK NUT	13
716SAEW	7/16 SAE WASHER	16
716X112FTB	7/16 X 1-1/2 FINE THREAD BOLT	13
916FTN	9/16-18 FINE N/I LOCK NUT	9
916X312FTB	9/16 X 3-1/2 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHER	2
LT100	THREAD LOCKING COMPOUND	1

Hardware Box Breakdown:		
Part # HB-1846F2		
Item #	**Description**	**Qty**
12FTN	1/2-20 FINE N/I LOCK NUT	7
12SAEW	1/2 SAE WASHER	14
12X112FTB	1/2 X 1-1/2 FINE THREAD BOLT	7
716FTN	7/16-20 FINE N/I LOCK NUT	13
716SAEW	7/16 SAE WASHER	16
716X112FTB	7/16 X 1-1/2 FINE THREAD BOLT	13
916FTN	9/16-18 FINE N/I LOCK NUT	9
916X312FTB	9/16 X 3-1/2 FINE THREAD BOLT	1
916SAEW	9/16 SAE WASHER	2
58FTN	5/8-18 FINE N/I LOCK NUT	8
LT100	THREAD LOCKING COMPOUND	1

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 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.

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. Place a jack stands under each frame rail (approximately 4" behind radius arm brackets). 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 sway bar, remove driver & passenger OEM frame mount brackets. **Note:** On some models, sway bar is mounted to OEM crossmember (instead of frame rail). Disconnect sway bar from OEM axle mount bracket. Remove sway bar assembly.
5. Remove two (2) brake caliper mounting bolts & 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 reinstallation.

8. Disconnect OEM vent hose from front differential housing.

Note: Perform Steps 9-22 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.

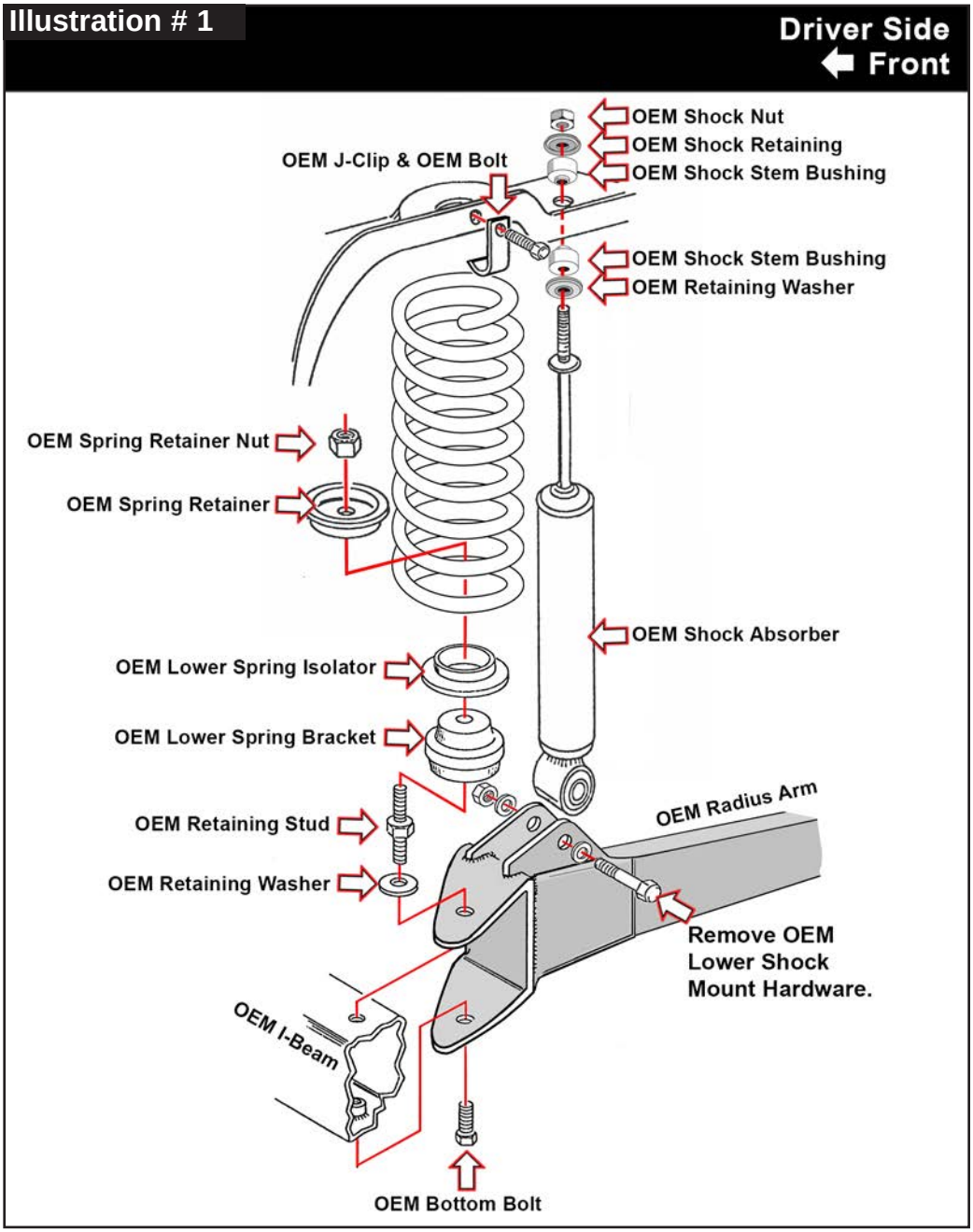
10. Remove OEM axle pivot bolt from axle beam bushing mount using an 18mm & 21mm socket \ wrench. **Note:** Drive side axle pivot bushing mounts to passenger side. Passenger mounts to driver side.

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

    Remove front shock absorber.

Illustration # 1



13. Remove upper OEM J-clip bolt that holds coil spring to upper spring tower using a 13mm socket \ wrench. (Illustration # 1) Remove J-clip.

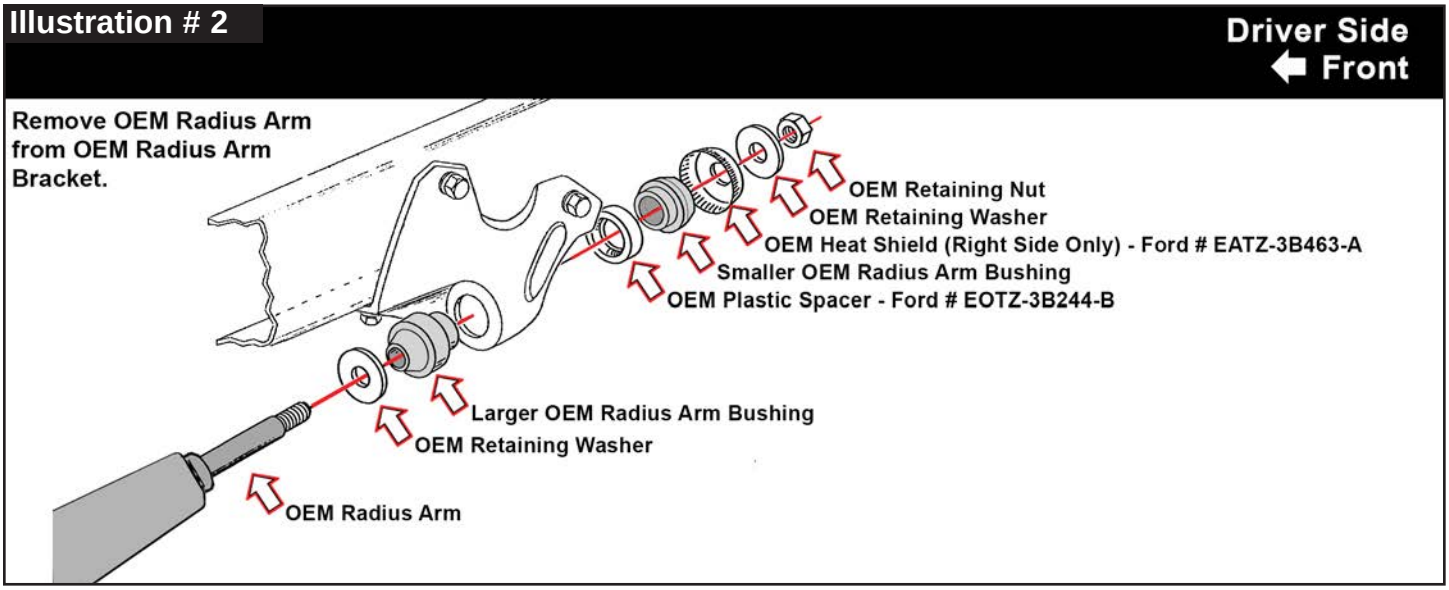
    Remove lower OEM coil spring retainer nut using a 1-1/8” socket \ wrench. Remove spring retainer. (Illustration # 1) Carefully lower floor jack & remove OEM coil spring.

14. 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 hardware 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 rear frame mount.

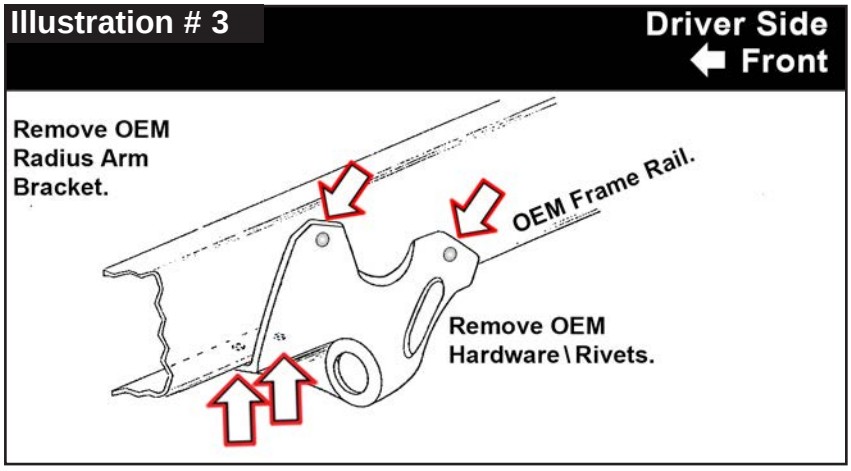
Illustration # 2



15. 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.

Illustration # 3



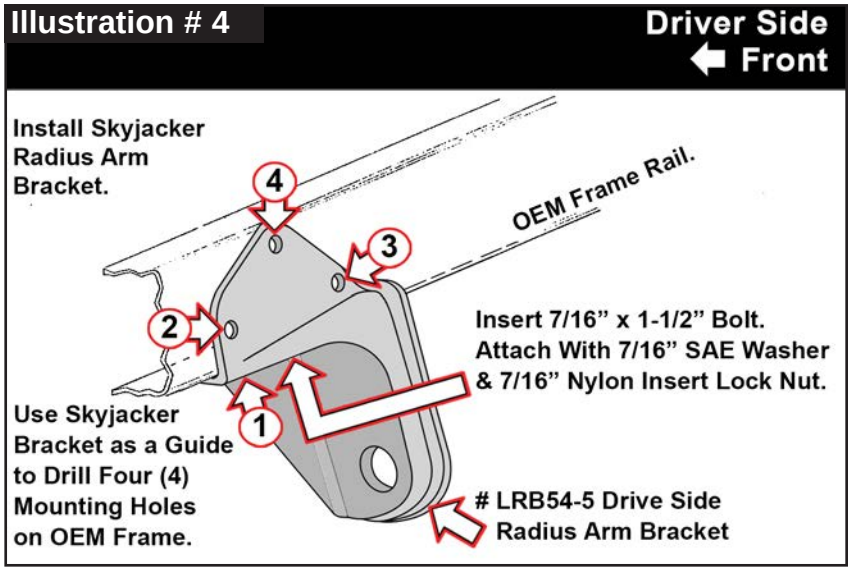
Remove OEM Rivets Steps:

- 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.

16. Skyjacker Radius Arm Brackets Are Side Specific: # LRB54-5 Driver \ Left & # RRB54-6 Passenger \ Right.

    Align appropriate Skyjacker Radius Arm Bracket with bottom & outside of frame rail at OEM radius arm bracket position. Align Skyjacker Bracket bottom rearward mounting hole (at bend in drop bracket) with bottom of OEM frame hole. (Illustration # 4)



17. Insert supplied 7/16" x 1-1/2" Fine Thread Bolt up through bracket & frame. Attach on top side of frame rail with supplied 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench.

    Use Skyjacker bracket as a guide for four (4) mounting holes on OEM frame. Mark \ scribe, center punch & drill 1/8" pilot holes. (Illustration # 4)

    Note: 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 7/16" drill bit.

18. Use a wire brush, grinder brush or similar tool to remove any undercoating. Skyjacker bracket must be installed on a smooth & clean surface. Then paint all exposed metal.

    First, insert supplied 7/16" x 1-1/2" Fine Thread Bolt down from inside frame rail & through bracket. Attach on bottom side of bracket with supplied 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench.

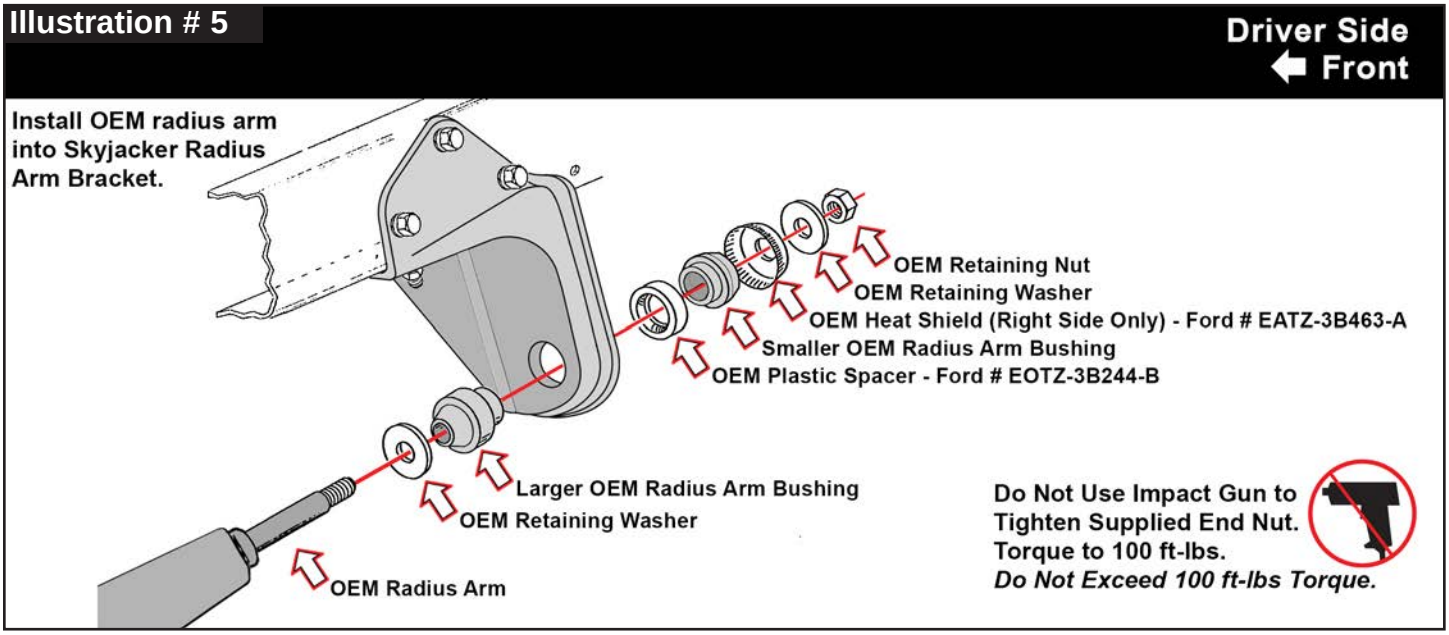
    Next, install & attach three (3) outer frame rail bolts. Insert supplied 7/16" x 1-1/2" Fine Thread Bolt through bracket & outside of frame rail at each mounting hole. Attach each bolt on inside of frame rail with supplied 7/16" SAE Washer & 7/16" Nylon Insert Lock Nut using a 5/8" socket \ wrench. Fully tighten & torque all hardware. Torque 7/16" Bolts = 60 ft-lbs

19. Skyjacker® Offers a Replacement Radius Arm Bushing Kit. (# SAB85)
First, install OEM washer & larger OEM radius arm bushing onto OEM radius arm end retaining stud. (Illustration # 5)

Next, position OEM radius arm retaining stud into Skyjacker Radius Arm Bracket mounting hole.

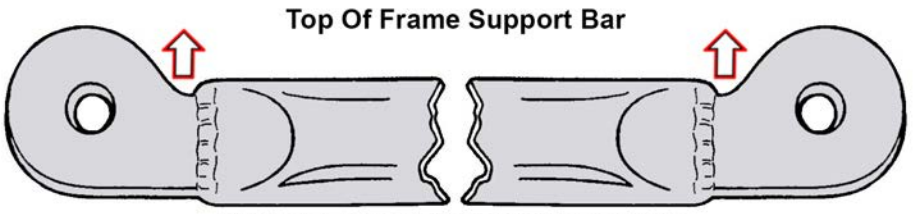
Install OEM plastic spacer, smaller OEM radius arm bushing, OEM heat shield (right only) & OEM retaining washer onto OEM radius arm end retaining stud. (Illustration # 5)

Illustration # 5



NOTE: If you purchased Skyjacker OPTIONAL Part # FSB80 Frame Support Bar, install Frame Support Bar with flat side of ends to bottom & rounded portion to top (instead of using OEM retaining washer). (Illustration # 5)

Illustration # 6



Apply supplied Thread Locking Compound to OEM radius arm retaining stud threads. Install OEM retaining nut onto OEM radius arm retaining stud 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.**

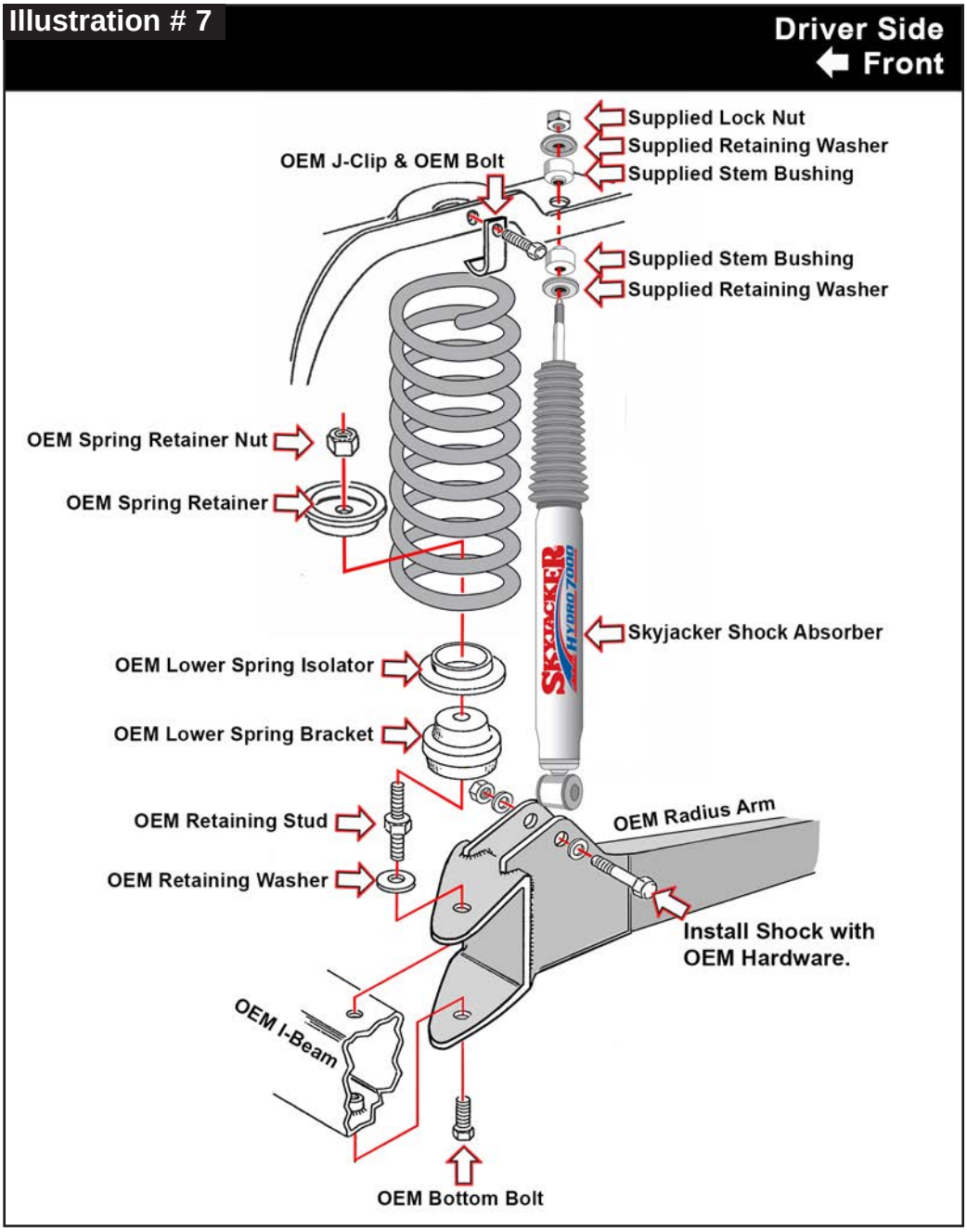
20. With a floor jack still supporting OEM axle beam, lower axle beam down enough install Skyjacker Coil Spring.

    Place Skyjacker Coil Spring first into upper OEM spring tower, then onto lower OEM spring isolator & spring bracket \ sway bar bracket. (Illustration # 7)

    NOTE: F250 \ F350 2WD Models ONLY, under each Skyjacker coil spring install one (1) of Part # HS25 Hex-Cut Coil Spring Spacers over OEM Retaining Stud Nut BEFORE installing OEM spring bracket \ sway bar bracket & spring isolator.

    Attach upper OEM J-clip bolt that holds coil spring to upper spring tower with OEM hardware.

Illustration # 7



21. Install Skyjacker front shock. (Illustration # 7)

    Attach lower shock eye mount to OEM radius arm \ shock mount with OEM hardware from outside-to-inside of vehicle. 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 & Poly Stem Bushing onto Skyjacker shock stem. Attach to upper OEM shock tower mount with supplied Bushing, Washer & Lock Nut. Secure, but **Do Not Completely Tighten**.

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

23. Some OEM axle pivot brackets that hold pivot end of front axle beams to front crossmember are bolted to frame: some are riveted. OEM brackets must be removed from crossmember by unbolting or drilling out rivet heads. 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.

Note: **Perform Steps 24-28 on Driver Side Axle Pivot Bracket.**

24. Skyjacker Axle Pivot Brackets Are Side Specific: # LHB543-5 Driver & # RHB543-6 Passenger.

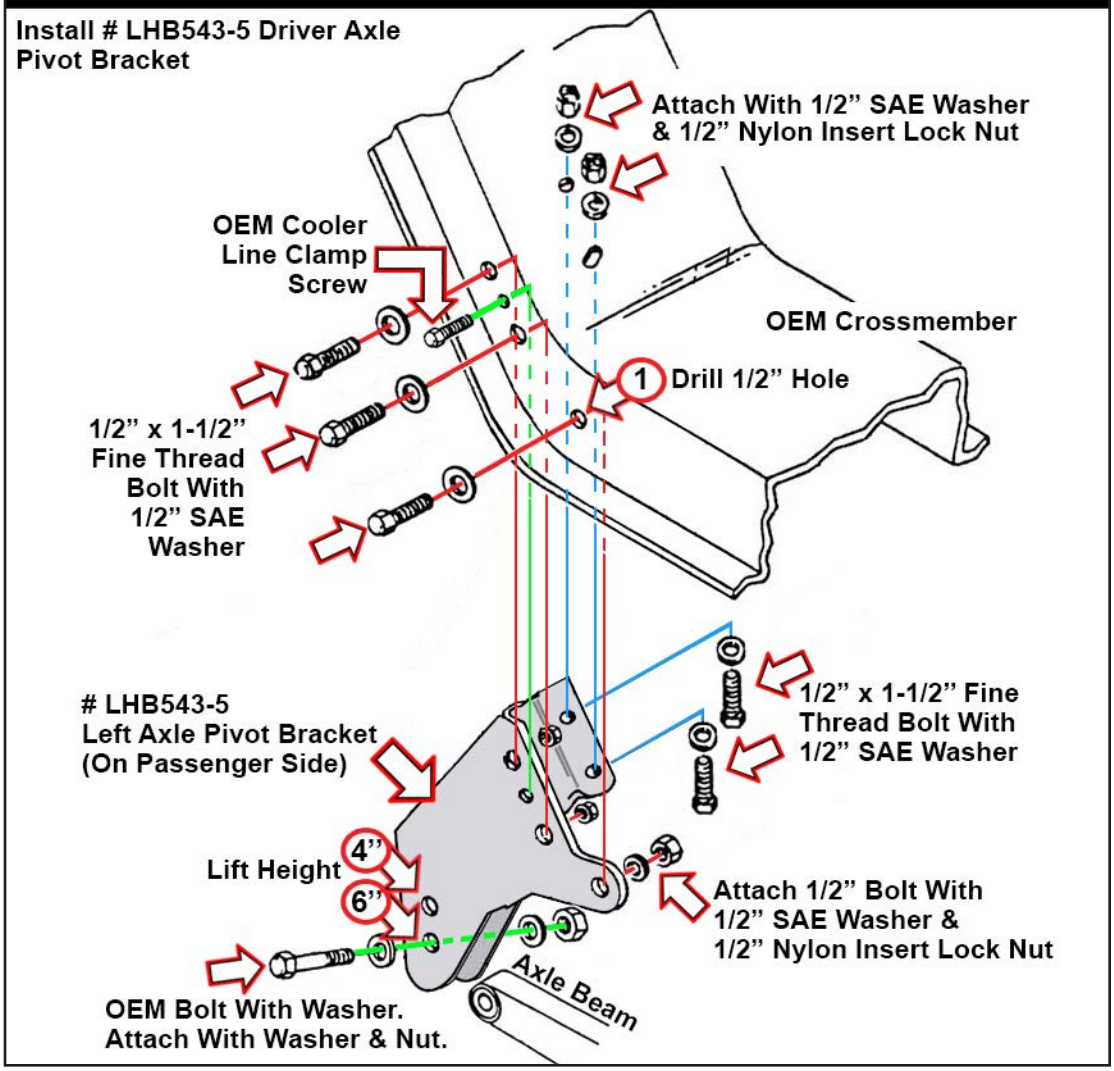
Install # LHB543-5 Driver Axle Pivot Bracket (actually located on passenger side of OEM crossmember). (Illustration # 8) Skyjacker Bracket mounts inside front of crossmember in OEM location. Attach Skyjacker Bracket to crossmember at OEM holes with OEM hardware. Secure, but **Do Not Completely Tighten** at this time.

25. Use Skyjacker bracket as a guide for one (1) mounting hole on OEM crossmember.

Mark \ scribe & center punch needed hole. (Illustration # 8)

Remove Skyjacker bracket & drill 1/8" pilot holes. **CAUTION:** Prior to drilling, check for any obstructions, coolant lines, wires, brake lines, fuel lines, hoses, etc that could be damaged.

Illustration # 8 **Front View of Crossmember**



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

    Use a wire brush, grinder brush or similar tool to remove any undercoating. Skyjacker bracket must be installed on a smooth & clean surface. Then paint all exposed metal.

27. Install Skyjacker bracket with specified supplied hardware. (Illustration # 8)
    Add supplied # LT100 Thread Locking Compound to supplied hardware.
    Fully tighten & torque all hardware. **Torque Specifications:** 1/2" Bolts = 90 ft-lbs

28. If equipped, reinstall OEM power steering cooler line with OEM screw & clamp.

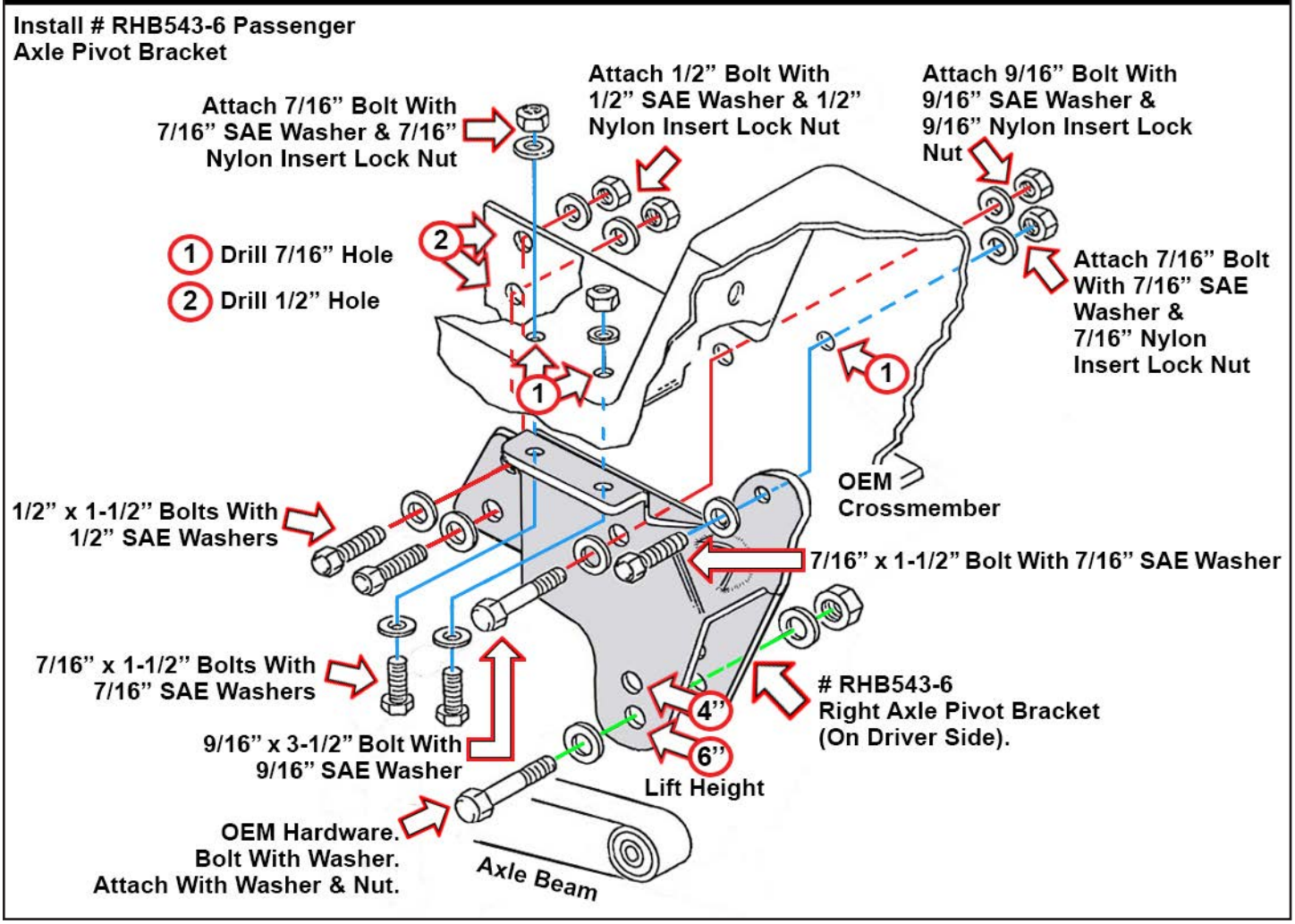
    Tech Note: Make Sure OEM Cooler Lines Do Not Rub or Make Contact With Any of Bolts, Bracket, or Metal Surfaces. It May Be Necessary to Bend OEM Cooler Lines or Clamps Slightly to Clear Any Obstructions.

Note: **Perform Steps 29-30 on Passenger Side Axle Pivot Bracket.**

29. Install # RHB543-6 Passenger Axle Pivot Bracket (actually located on driver side of OEM crossmember). (Illustration # 9) Skyjacker Bracket mounts inside rear of crossmember at OEM location.

30. Use Skyjacker bracket as a guide for a total of five (5) mounting holes on OEM crossmember. Mark \ scribe & center punch needed holes (Three (3) 7/16" & Two (2) 1/2"). (Illustration # 9) Remove Skyjacker bracket & drill 1/8" pilot holes. **CAUTION:** Prior to drilling, check for any obstructions, wires, brake lines, fuel lines, hoses, etc that could be damaged.

Illustration # 9 — **Rear View of Crossmember**



31. Drill out pilot holes with a 7/16" or a 1/2" drill bit.

    Use a wire brush, grinder brush or similar tool to remove any undercoating. Skyjacker bracket must be installed on a smooth & clean surface. Then paint all exposed metal.

32. Install Skyjacker bracket with specified supplied hardware. (Illustration # 9)
    Add supplied # LT100 Thread Locking Compound to supplied hardware.
    Fully tighten & torque all hardware.
    Torque Specifications: 7/16" Bolts = 60 ft-lbs 1/2" Bolts = 90 ft-lbs 9/16" Bolts = 130 ft-lbs

NOTE: If Installing Skyjacker Replacement Part # FA400 Pitman Arm, Install Now Per Separate Instructions. Then Proceed to Step 33.

33. Connect OEM drag link assembly to OEM pitman arm. Install OEM castle nut & cotter pin to OEM drag link assembly.

NOTE: If Installing Skyjacker Replacement Stainless Steel Brake Lines, Install Now Per Separate Instructions. Then Proceed to Step 34.

34. Reinstall OEM brake caliper to OEM knuckle with OEM brake caliper mounting bolts. Torque 22-27 ft-lbs. **Note:** If OEM brake lines are reinstalled, they must be in good condition; check for chafed spots, cracks & dry rot.

NOTE: If Installing Skyjacker Replacement Sway Bar Lowering Brackets, Install Now Per Separate Instructions. Then Proceed to Step 35. (# SBL20 for 4” lifts & # SBL40 for 6” lifts).

35. Attach OEM sway bar links at OEM coil spring \ sway bar bracket using OEM hardware. Secure, but **Do Not Completely Tighten**.

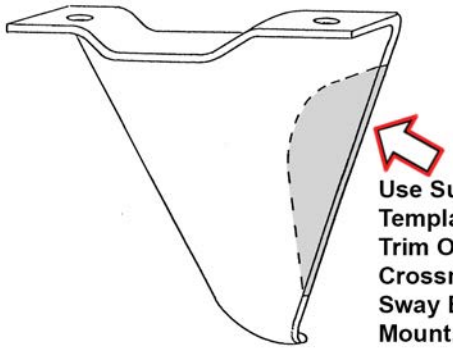
    Note: If OEM sway bar is mounted to a OEM crossmember (instead of OEM frame rail), it is necessary to trim OEM crossmember mount slightly. (Illustration # 10)

    Full scale templates are included on Page # 15 of these instructions. (Illustration # 11) Cut out templates using 'outside' edges of lines as a guide.

    Align template on outer edge of each OEM crossmember sway bar mount. (Illustration # 10) Mark \ scribe template onto OEM crossmember.

Illustration # 10

If OEM Sway Bar is Mounted to a OEM Crossmember (instead of OEM Frame Rail), It Is Necessary to Trim OEM Crossmember Mount Slightly. Full-Scale Templates Are Included on Page # 15 of these instructions.



    Remove OEM crossmember from OEM sway bar mount. Trim crossmember using a power grinder or cut-off tool. **Note:** File smooth any burrs or sharp edges, then paint or undercoat all exposed metal surface areas.

    Reinstall crossmember. Reinstall OEM sway bar. Secure, but **Do Not Completely Tighten**.

36. Reinstall OEM axle vent hose.

37. 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.
7. While checking for appropriate slack in brake lines, differential vent hose, e-brake & etc, lower rear axle to gain access to OEM rear leaf springs.

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

7. **1980-1996 Ford F150 4WD With 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.

   1980-1996 Ford F150 4WD With 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.

8. **1980-1996 Ford Bronco 4WD With 4" Lift:** Clean spring pads of all debris.
   Position Skyjacker # RB35 Tapered 3.5" Rear Lift Block On Top of OEM block & axle pad.
   Note: Place taller end of lift block toward rear of vehicle.

   1980-1996 Ford Bronco 4WD With 6" Lift: Clean spring pads of all debris.
   Position Skyjacker # RB55 Tapered 5.5" 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.

9. **1980-1996 Ford F250 \ F350 2WD With 3" 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.

   1980-1996 Ford F250 \ F350 2WD With 5" Lift: Clean spring pads of all debris.
   Position Skyjacker # RB35 Tapered 3.5" 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.

Rear Lift Option 2: Replacement Softride® Leaf Spring Installation

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. **1980-1996 Ford F150 4WD 4" System With # FR54S Rear Springs:**
    Remove OEM blocks & install springs on top of axle.

    1980-1996 Ford F150 4WD 6" System With # FR54S 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.

    1980-1996 Ford F150 4WD 6" System With # FR56S Rear Springs: Remove OEM blocks & install springs on top of axle.

    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 14.**

12. **1980-1996 Ford Bronco 4WD 4" System With # FR52S 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.

    1980-1996 Ford Bronco 4WD 6" System With # FR54S 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 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 14.**

13. **1980-1996 Ford F250\F350 2WD 3" System With # FR54S Rear Springs:** Install springs on top of OEM blocks.

    Raise axle to mate leaf springs to 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 5/8" U-bolts over axle up into OEM U-bolt plate. Install supplied 5/8" Nylon Insert Nuts using a 15/16" socket\wrench. Tighten U-bolts evenly using an 'X' crisscross tightening sequence. Torque to 135 ft-lbs. **Proceed to Step 14.**

14. 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.
15. If equipped, reconnect OEM vent hose to rear differential housing.
16. Install rear tires\wheels. Lower vehicle to ground. Torque lugs to OEM service manual specifications.

Final Clearance Check & Torque Steps:

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. 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 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".
3. **Front Tighten & Torque Sequence.**
   Tighten Shock Bushings until bushing starts to swell slightly.
4. **Rear Tighten & Torque Sequence.**
   Tighten Shock Bushings until bushing starts to swell slightly.
   Tighten Leaf Springs in this sequence: Front spring eye bolt. Rear spring eye bolt. 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.					

Seat Belts Save Lives, Please Wear Your Seat Belt.

Illustration # 11

Note: Cut Out Template Using 'Outside' Edge of Lines as a Guide.

OEM Crossmember Sway Bar Mount Modification Template