

PART #	DESCRIPTION
37701CP	99-UP FSD 4WD 3-6" REAR 2.5 VS PB CDCV PAIR

COMPONENTS INCLUDED	
(2) 134941PBC 99-UP FSD 4WD REAR 2.5 VS PB CDCV	
HARDWARE INCLUDED	
(1) 257161 HEIM SPACER COM10 X 14MM X 1.925 (1) 257162 HEIM SPACER COM10 X 14MM X 1.175	(2) 257164 HEIM SPACER COM10 X .500 X 1.500
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH	18MM SOCKET / WRENCH 21MM SOCKET / WRENCH
TECH NOTES	
<p>1. YOUR ICON SHOCK ASSEMBLIES COME FACTORY CHARGED TO 150 PSI. RELEASING NITROGEN PRESSURE MAY LEAD TO SHOCK MALFUNCTION AND REDUCED RIDE QUALITY. FAILURE CAUSED BY LOW NITROGEN PRESSURE IS NOT COVERED UNDER ICON'S WARRANTY POLICY.</p> <p>2. THE LOWER HEIM SPACERS FOR 99-16 AND 17-UP ARE INCLUDED. USE THE 14MM SPACERS FOR 17-UP APPLICATIONS.</p>	



WARNING!
<p><b>** READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.</b></p> <p><b>** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLTION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.</b></p>

## INSTALLATION

- Using a properly rated jack, raise the rear of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE.
- Remove the factory shocks using 18mm and 21mm socket/wrench.
- Slide the wider spacer onto the stud on the upper shock mount. Slide the shock into the shock mount with the reservoir facing away from the axle. The driver side reservoir may need to be clocked (toward the spare tire) away from a wiring harness. Slide the narrow spacer onto the stud. [Torque to factory spec] [FIGURE 1 & 2]

FIG.1



FIG.2



4. Position the rod end in the lower mount and slide the bolt in. There are 2 sets of lower spacers provided. 99-16 FSDs have a 12mm bolt. 17-UP FSDs have 14mm bolt. Use the correct spacers for your vehicle. If using the 14mm bolt, offset the rod end toward the wheel. [Torque to factory spec] [FIGURE 3]

FIG.3



**VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.**

**RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.**

## 2.5 VS SERIES SHOCK & COILOVER TECHNICAL INFORMATION

### MAINTENANCE

ICON shock absorbers are a high quality rebuildable race style shock absorber designed for optimal performance. With a unit of this caliber on your vehicle, routine maintenance is required to keep them looking and operating in like new condition. Residual oil and assembly lube may be present at all seal paths from the factory out of the box and is considered normal. Pooling of oil however is not acceptable at any time and one should contact the iCON dealer where purchased.

**BELOW ARE GUIDELINES BASED ON HOW YOU USE YOUR VEHICLE BUT YOUR MILEAGE MAY VARY:**

#### **STREET USE:**

- Send in for factory servicing every 40,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Remove any buildup of road salt, mud, or debris from shocks and coil springs anytime accrued
- Clean with mild soap and water with each oil change or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure yearly. (252004 charge needle assembly available at any iCON distributor)
- Check bearings for excessive wear yearly.
- DO NOT apply any type of lube to the upper and lower bearings.

#### **STREET/DIRT:**

- Send in for factory servicing every 15,000 miles or if a leak develops, ride quality decreases, or they begin to make excessive noise.
- Clean with mild soap and water with each oil change, offroad trip, or anytime you notice build up.
- Wax the cylinders yearly with automotive wax to prevent corrosion.
- Check nitrogen pressure each dirt outing. (252004 charge needle assembly available at any iCON distributor)
- Check bearings for excessive wear yearly.
- DO NOT apply any type of lube to the upper and lower bearings.

#### **DIRT USE:**

- Send in for factory servicing every 1,000 miles.
- Check nitrogen pressure each outing. (252004 charge needle assembly available at any iCON distributor)
- Remove any buildup of mud or debris from shocks and coil springs after every outing.

#### **SELF-SERVICE:**

- Contact iCON for service kits & tools at (951) 689-4266.

### PRODUCT REGISTRATION

Please visit: <http://www.iconvehicledynamics.com/tech-support/registration/> to register your product.

### ICON VEHICLE DYNAMICS SHOCK ABSORBER WARRANTY

This shock absorber has a 1 year warranty against any manufacturer's defects. If a shock fails within the initial year of ownership, the shock must be shipped to iCON Vehicle Dynamics for inspection and service. If a shock is inspected and it has been determined the shock failed due to neglect, damage caused by improper installation or any other reason besides "normal wear and tear", the owner of said shock is responsible for all service costs. This includes labor, parts, and shipping.

iCON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. iCON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to iCON Vehicle Dynamics instructions. iCON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

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iCON Vehicle Dynamics components must be installed as a complete kit as shown in our current application guide. Any substitutions or exemptions of required components will immediately void the warranty. Some finish damage may happen to parts during shipping and is not covered under warranty.

This warranty is expressly in lieu of all other warranties expressed or implied. This warranty shall not apply to any product that has been improperly installed, modified or customized subject to accident, negligence, abuse or misuse.

To send a shock in for warranty please visit our website <http://www.iconvehicledynamics.com/tech-support/shock-service/>

7929 Lincoln Ave. Riverside, CA 92504  
Phone: 951.689.ICON Fax: 951.689.1016

PART #	DESCRIPTION
64038	2017-UP FSD ADJUSTABLE TRACK BAR KIT

COMPONENTS INCLUDED	
(1) 164037 2017-UP FSD ADJUSTABLE TRACK BAR (2) 167021 HEIM SPACER JM16 X .812 X 1.750 (1) 167027 LEFT/RIGHT ADJUSTER ROUND (1) 168001 05-UP TRACK BAR BALL JOINT W/NUT	(1) 295513 JM16-1T, 1-14 LH ROD END F1 FIT (2) 605145 3/8-16 X 1.000 12PT SCREW (1) 605951 SPIRAL RETAINING RING
HARDWARE INCLUDED	
N/A	
TOOLS REQUIRED	
TAPE MEASURE BALL JOINT SEPARATOR HAMMER 1/4" SPANNER WRENCH TORQUE WRENCH	3/8" 12PT SOCKET / WRENCH 13MM SOCKET / WRENCH 27MM SOCKET / WRENCH 30MM SOCKET / WRENCH (2)
TECH NOTES	
1. DO NOT EXCEED 3.375" OF ADJUSTMENT FROM THE CENTER OF THE ROD END TO THE EDGE OF THE TRACK BAR PINCH HOUSING. FAILURE CAUSED BY EXCESSIVE ADJUSTMENT WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.	



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** ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLTION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.

## INSTALLATION

1. Remove the stock track bar from the frame bracket using (2) 30mm sockets/wrenches. The vehicle may shift slightly.
2. Remove the track bar from the ball joint taper on the axle. Using a 27mm, remove the nut and separate the ball joint using a ball joint separator and hammer.
3. Connect the ICON track bar to the axle. Use a 13mm to keep the tapered stud from spinning while tightening the nut with a 27mm socket/wrench. [Torque to factory spec] [FIGURE 1]

FIG.1



4. Loosen the pinch bolts using a 3/8" 12pt socket/wrench.
5. Adjust the collar of the track bar while keeping the threaded bushing housing from spinning. Adjust as needed to line up in the frame bracket.

6. Install the factory upper track bar bolt using (2) 30mm sockets/wrenches. [Torque to 406 ft-lbs] [FIGURE 2]

FIG.2



**NOTE:** This track bar is adjustable from 36.75" - 37.75". The stock track bar measures 36.625" from eye to eye.

7. Adjust the collar to center the axle under the frame. Do not exceed the maximum adjustment range as outlined in the tech notes.

8. Tighten the pinch bolts using an alternating pattern and a 3/8" 12pt socket/wrench. [Torque to 35 ft-lbs]

9. Use the drag link adjustment to center the steering wheel before driving.

10. Have the vehicle professionally aligned.

***VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.***

***RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.***

### ***ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY***

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## **ICON VEHICLE DYNAMICS**

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PART #	DESCRIPTION
67015	05-UP FSD FRONT 7" DUAL RATE SPRING KIT

COMPONENTS INCLUDED	
(2) 168503 05+ FSD 7" LIFT DUAL RATE COIL SPRING	
HARDWARE INCLUDED	
N/A	
TOOLS REQUIRED	
N/A	
TECH NOTES	
1. LIFT HEIGHT BASED OFF OF 4X4, DIESEL, CREW CAB CONFIGURATION. LIFT HEIGHTS MAY VARY.	



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## INSTALLATION

**1. REFER TO THE APPROPRIATE BOX KIT INSTALLATION INSTRUCTIONS.**

2017-UP | 67035

2011-2016 | 67030

2008-2010 | 67020

2005-2007 | 67010

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PART #	DESCRIPTION
67035	2017-UP FSD FRONT 7" BOX KIT

COMPONENTS INCLUDED	
(1) 164027 FSD TRACK BAR BRACKET (2) 164030 SWAY BAR DROP BRACKET (2) 167011 FSD FRONT BUMPSTOP SPACER	(2) 168040 FSD DROP PITMAN ARM (1) 61110 FRONT EXTENDED BRAKE LINE KIT (1) 67035H HARDWARE KIT
HARDWARE INCLUDED	
67035H HARDWARE KIT	
(4) 605101 3/8-16 X 1.000 BOLT (4) 605133 3/8" FLAT WASHER (2) 605804 M8-1.25 X 120MM BOLT	(1) 605900 1/8 X 2.000 COTTER PIN (1) 605969 VIBRATITE RED 2ML BULLET
TOOLS REQUIRED	
JACK JACK STANDS BRASS HAMMER STEEL HAMMER PLIERS TORQUE WRENCH 3/8" SOCKET / WRENCH 1/2" SOCKET / WRENCH 5/8" SOCKET / WRENCH 3/4" SOCKET / WRENCH	15/16" SOCKET / WRENCH 10MM SOCKET / WRENCH 13MM SOCKET / WRENCH 15MM SOCKET / WRENCH 16MM SOCKET / WRENCH 18MM SOCKET / WRENCH 21MM SOCKET / WRENCH 24MM SOCKET / WRENCH 30MM SOCKET / WRENCH 46MM SOCKET / WRENCH
TECH NOTES	
<p>1. REQUIRED KITS: ICON 4-LINK KIT PN: (61560 2017-UP) OR RADIUS ARM DROP KIT PN: (64055 2017-UP) AND CASTER CAM KIT PN: (63530)</p> <p>2. OEM STEERING STABILIZER IS NOT COMPATIBLE WITH THIS KIT.</p> <p>3. MUST FLIP DRAG LINK ON PITMAN ARM.</p>	



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## INSTALLATION

- Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove front wheels.
- Remove the sway bar links from the sway bar using an 18mm socket/wrench. Leave them connected to the differential. [FIGURE 1]

FIG.1

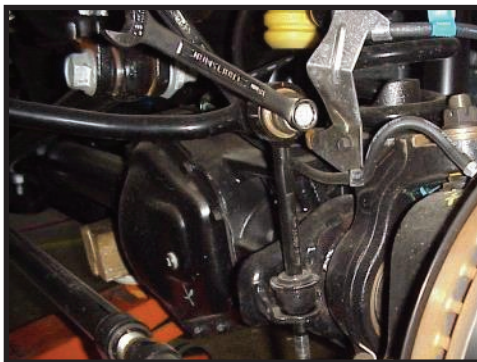
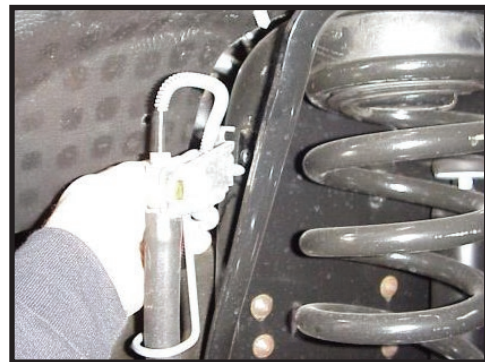


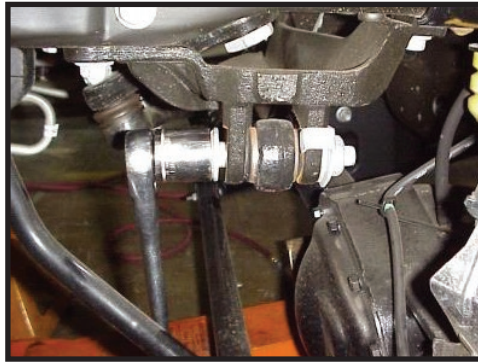
FIG.2



- Disconnect the upper brake line brackets from the frame using a 13mm socket/wrench and lower brake line brackets from the differential using a 10mm socket/wrench. Install new extended brake lines: Refer to the factory Ford service manual to install new brake lines. Bleed brakes according to the instructions in your factory Ford service manual. [FIGURE 2]

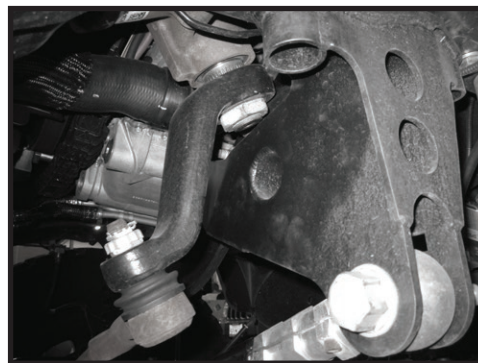
- 4.** On the driver side of the track bar, remove the nut and the upper track bar bolt using (2) 30mm socket/wrenches. **[FIGURE 3]**

**FIG.3**



- 5.** Support the axle with a floor jack and remove the front shocks. The shocks are limiting droop so make sure that the axle is supported or it will fall when the shocks are removed. (21mm socket/wrench, 18mm socket/wrench)
- 6.** Slowly lower the axle, the coils will unload from the mounts and can be removed. Be careful not to stretch or damage any lines connected to the axle or radius arms.
- 7.** Remove the stock track bar bracket: Remove the (2) bolts going up into the frame using an 18mm and the (3) nuts on the crossmember using a 21mm. Remove the stud plate from the crossmember and fully remove the track bar bracket.
- 8.** Refer to 4-Link instructions (61560) or radius arm kit (64055) and install now.
- 9.** If using radius arm kit, caster cams are required. Install caster cams now:
- 9a.** Remove the driver side stock alignment cam: Remove the cotter pin from the ball joint castle nut. Remove the castle nut from the upper ball joint using a 24mm. With a brass hammer, strike the ball joint stud to dislodge the taper. Be careful not to damage the threads. Remove stock alignment cam.
- 9b.** Install the new alignment cam: Make sure the arrow is pointing toward the front of the truck and the flat end of the cam is aligned with the flat end of the knuckle. Use the old sleeve to tap the new one down onto the taper. Install the castle nut using a 24mm [Torque to 69 ft-lbs]. Install the new cotter pin.
- 9c.** Repeat the previous steps for the opposite side.
- 10.** Lower the axle just enough to install the new coil springs. Place the original rubber isolator on top of the new coil and install. Be careful to not stretch or damage any lines. Check the rotation/clocking of the coil to make sure it is properly seated in the lower spring perch.
- 11.** Lift the axle high enough to connect the shocks but be careful not to lift the truck off of its supports. Use the original bolt on the lower shock mount and tighten with an 18mm socket/wrench [Torque to factory spec]. Tighten the stem top nut using a 3/4" socket/wrench. (Refer to shock Instructions)
- 12.** Slowly lower the axle after the shocks are installed.
- 13.** Remove the steering stabilizer from the factory frame bracket using a 15mm. Remove the bracket from the frame using an 18mm. Remove the steering stabilizer from the drag link using an 18mm, then use a ball joint separator or a hammer to break the taper loose and remove the stabilizer.
- 14.** Disconnect the drag link from the pitman arm. Remove the cotter pin using pliers, then the nut keeper, then remove the nut using a 21mm. Remove the drag link from the pitman arm using a hammer or ball joint separator.
- 15.** Remove the stock pitman arm nut using a 46mm socket/wrench. Remove the pitman arm using a pitman arm puller. **[FIGURE 4]**

**FIG.4**

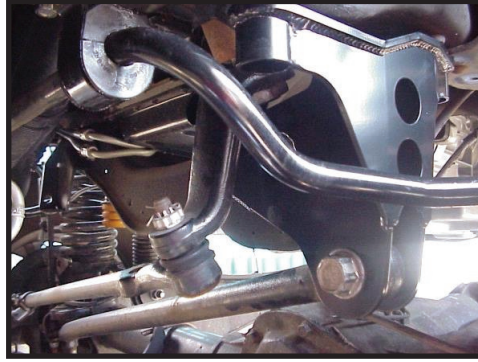


- 16.** Line up the splines of the pitman arm with the sector shaft. Use thread locker on the threads and reuse the factory nut. [Torque to 350 ft-lbs]
- 17.** Connect the drag link to the pitman arm using a 21mm [Torque to factory spec]. Reuse the nut keeper and install a new cotter pin.

**NOTE: 2017 DRAG LINK MUST BE ROTATED AND WILL NOT WORK WITH THE OEM STEERING STABILIZER.**

**18.** Install the new track bar bracket using stock hardware. Hold the track bar bracket in position and insert the stud plate through the crossmember and bracket. Use a small amount of thread locker on threads, and install nuts using a 21mm. Use thread lock on frame bolts and install using an 18mm. [Torque to factory spec] [FIGURE 5]

**FIG.5**



**19.** If an ICON adjustable track bar was purchased, refer to track bar installation instructions now.

**20.** Reconnect the track bar to the frame bracket using the factory hardware and (2) 30mm. You may have to raise or lower the axle to help line up the holes. [Torque to factory spec]

**21.** Pry the front bump stops out of the bump stop cup. Remove the bolt in the center of the cup using a 10mm. Install the bump stop spacer (167011) between the cup and the frame with the supplied bolt (605804). The cup has a flat side on its outer flange. Rotate the flat side to be near the coil for added clearance. [Torque to factory spec] [FIGURE 6]

**FIG.6**



**22.** Push the bump stops back into the cups until they clip/snap into place.

**23.** Remove the sway bar from the frame using a 13mm.

**24.** Install sway bar drop brackets (164030) using the factory hardware and a 13mm. [Torque to factory spec] [FIGURE 7]

**FIG.7**



**25.** Using 3/8" hardware (605101, 605133) and a 9/16" socket/wrench, install the sway bar to the new drop brackets. [Torque to 33 ft-lbs]

**26.** Reconnect the sway bar to the stock links using an 18mm. [Torque to factory spec]

**27.** If an ICON dual steering stabilizer kit (65000) has been purchased, refer to steering stabilizer instructions and install now.

**28.** Reinstall wheels and lower the vehicle to the ground. [Torque to factory spec]

**29.** Have the vehicle professionally aligned.

***VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.***

***RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.***

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DESCRIPTION
2017-UP FORD SUPER DUTY 4 LINK KIT

COMPONENTS INCLUDED	
164501 (BOX 2 OF 3)	
(2) 164013 05-UP FSD UPPER LINK (4) 167018 HEIM SPACER COM16 X .750 X 2.80	(2) 295501 COM16T BEARING (2) 605945 WHT-175 SPIRAL RET RING
164502 (BOX 3 OF 3)	
(2) 164012 05-UP FSD LOWER LINK (2) 167014 L/R ADJ SLEEVE 1.25-12L / 1.00-14 (4) 167017 HEIM SPACER JM16 X .750 X 2.750	(2) 295510 JM16-1T 1-14 RH ROD END (4) 605145 3/8-16 X 1.00 12PT FLANGED SCREW
164504 (BOX 1 OF 3)	
(1) 164040 17-UP FSD 4-LINK BRACKET (DRVR) (1) 164041 17-UP FSD 4-LINK BRACKET (PASS)	(1) 164504H 17-UP FSD 4-LINK HARDWARE KIT
164504H HARDWARE KIT	
(1) 164042 17-UP FSD FRAME NUT PLATE (DRVR) (1) 164043 17-UP FSD FRAME NUT PLATE (PASS) (4) 167029 SLEEVE 1.50 X .525 X .625 (1) 294008 WASHER 2.25 X .650 X .250 (4) 605230 7/16" FLAT WASHER (8) 605357 WASHER 1.50 X .531 X .046 (2) 605518 5/8-11 X 1.50 BOLT (2) 605527 5/8 SPLIT LOCK WASHER (2) 605601 3/4-10 X 5.50 BOLT	(2) 605602 3/4-10 X 5.00 BOLT (4) 605620 3/4-10 NYLOCK NUT (8) 605630 3/4" FLAT WASHER (2) 605823 M12-1.75 NYLOCK NUT (2) 605849 M12-1.75 X 180MM BOLT (4) 605851 M18-2.50 X 30MM BOLT (4) 605852 M18 SPLIT LOCK WASHER (2) 605925 PLASTIC PUSH IN CLIP - ABS
TOOLS REQUIRED	
JACK JACK STANDS TORQUE WRENCH 3/8" 12PT SOCKET / WRENCH 1/2" SOCKET / WRENCH 15/16" SOCKET / WRENCH 1 1/16" SOCKET / WRENCH 1 1/8" SOCKET / WRENCH 8MM SOCKET / WRENCH	10MM SOCKET / WRENCH 13MM SOCKET / WRENCH 15MM SOCKET / WRENCH 18MM SOCKET / WRENCH 19MM SOCKET / WRENCH 21MM SOCKET / WRENCH 24MM SOCKET / WRENCH 27MM SOCKET / WRENCH 30MM SOCKET / WRENCH
TECH NOTES	
<p>1. ICON 4-LINK KIT INTENDED FOR USE WITH ICON 4.5" OR 7" LIFTS.</p> <p>2. ICON TRACK BAR (64038) REQUIRED FOR INSTALLATION.</p> <p>3. EXTENDED BRAKE LINE KIT AVAILABLE (61110) AS AN OPTION INSTEAD OF BRAKE LINE DROP BRACKETS.</p>	



**WARNING!**

**\*\* READ ALL INSTRUCTIONS THOROUGHLY FROM START TO FINISH BEFORE BEGINNING INSTALLATION! IF THESE INSTRUCTIONS ARE NOT PROPERLY FOLLOWED SEVERE FRAME, SUSPENSION AND TIRE DAMAGE MAY RESULT TO THE VEHICLE!**

**\*\* ICON VEHICLE DYNAMICS RECOMMENDS THAT YOU EXERCISE EXTREME CAUTION WHEN WORKING UNDER A VEHICLE THAT IS SUPPORTED WITH JACK STANDS.**

**\*\* ICON VEHICLE DYNAMICS RECOMMENDS ALL INSTALLTION TO BE PERFORMED BY A PROFESSIONAL SHOP/SERVICE TECHNICIAN. PRODUCT FAILURE CAUSED BY IMPROPER INSTALLATION WILL NOT BE COVERED UNDER ICON'S WARRANTY POLICY.**

## INSTALLATION

- Using a properly rated jack, raise the front of the vehicle and support the frame rails with jack stands. Ensure the jack stands are secure and set properly before lowering the jack. NEVER WORK UNDER AN UNSUPPORTED VEHICLE. Remove the front wheels.
- Remove the sway bar links from the sway bar using an 8mm & 18mm. Leave them connected to the axle. [FIGURE 1]

FIG.1

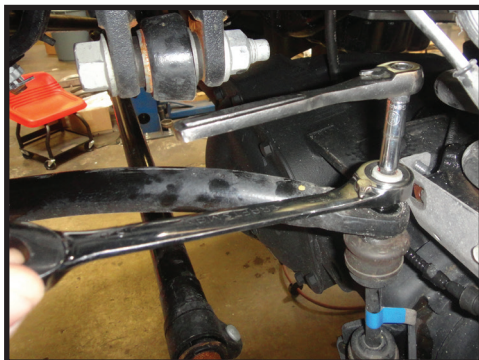


FIG.2



- Disconnect the upper brake line brackets from the frame using a 13mm and lower brake line brackets from the axle with a 10mm. [FIGURE 2]

4. Remove the factory track bar using a 27mm and 30mm. (Refer to track bar instructions) [FIGURE 3]

FIG.3



5. Support the axle with a floor jack and remove the front shocks. The shocks are limiting droop so make sure that the axle is supported or it will drop when the shocks are removed. Only remove the lower bolt using an 18mm.

6. Lower the axle until the coil springs are unloaded from their mounts. Be careful not to stretch or damage any lines connected to the axle or radius arms. Remove the coils. [FIGURE 4]

FIG.4



7. Some trucks have a transfer case skid plate that must be removed using a 15mm. Remove the nut clips from the frame.

8. Lift the axle enough to reconnect the shocks and then lower the axle back down. [FIGURE 5]

FIG.5

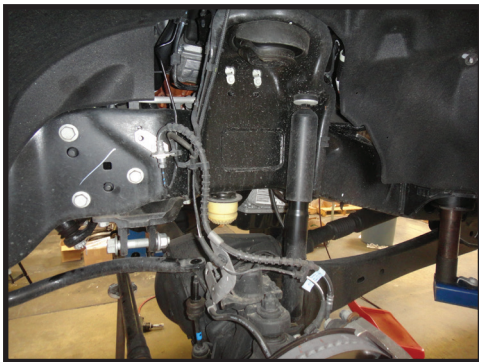


FIG.6



9. With both coils removed, the radius arms don't have much force on them and can be safely removed from the frame mount using a 24mm & 27mm. [FIGURE 6]

10. Once the bolts are removed from the radius arms, lift up on the tie rod to rotate the axle rearward which will then rotate the radius arms out of their pockets. [FIGURE 7]

FIG.7



FIG.8



11. Remove the outside crossmember bolt on both sides using an 18mm. [FIGURE 8]

**12.** Disconnect the radius arms from the axle using a 24mm. [FIGURE 9]

FIG.9



FIG.10

**13.** Connect the upper link to the axle and let it hang while the 4-link bracket is being installed. The driver side upper radius arm/axle bolt uses one of the nuts from the factory radius arm/frame bolts as they will not be reused. [FIGURE 10]

**14.** Position the driver side 4-link bracket into the stock radius arm pocket. Loosely install the two supplied 2.50" X 30mm bolts with lock washers into the forward radius arm pocket holes. [FIGURE 11]

FIG.11



**15.** Spacers, shims, and longer 12mm bolts are supplied to mount the 4-link bracket to the crossmember. The shims are used to account for the variances in crossmember placement in relation to the radius arm pockets. Position the supplied spacers and shims between the crossmember and 4-link bracket. 1 spacer must go on both sides of the crossmember. Position the shims as needed. 4 shims must be used on each side of the truck. The shim positioning may vary from one side to the other. Use the supplied 7/16" washers on the 12mm bolts and fasten using a 19mm. [Torque to 65 ft-lbs] [FIGURE 12 & 13]

FIG.12



FIG.13



Slide the nut plate in the end of the crossmember and align over the hole. Using the supplied 5/8" bolts, start the bolts in the nut plate, mounting the 4-link bracket to the crossmember. Use the supplied 1/4" washer between the bracket and crossmember on the driver side only. [FIGURE 14]

FIG.14



**16.** With the 4-link brackets installed loosely on the vehicle, mount the upper links to the bracket using the supplied 3/4" x 5.5" bolts.

**17.** Mount the lower links to the axle using the factory bolts. [FIGURE 15]

FIG.15



FIG.16

**18.** Mount the lower links to the 4-link bracket using the supplied 3/4" X 5" bolt. [FIGURE 16]

**19.** Tighten all bolts on the 4-link brackets. Torque M12 bolts to 65 ft-lbs using a 19mm. Torque 5/8" bolts to 150 ft-lbs using a 15/16". Torque 3/4" bolts to 260 ft-lbs using an 1 1/8" & 1 1/16". Torque M18 bolts to 225 ft-lbs using a 27mm.

**20.** Remove the shocks and lower the axle enough to install the new coil springs. [FIGURE 17]

FIG.17

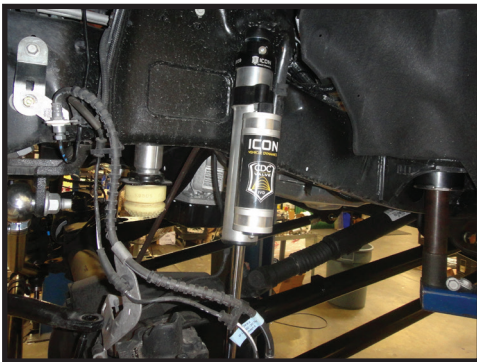


FIG.18

**21.** Once the coil springs are set in place, install the shocks using an 18mm & 19mm. Be careful not to lift the truck off of its supports. [Torque to factory spec] [FIGURE 18]

**22.** Reconnect the sway bar to the sway bar links using an 8mm & 18mm. [Torque to factory spec] [FIGURE 19]

FIG.19

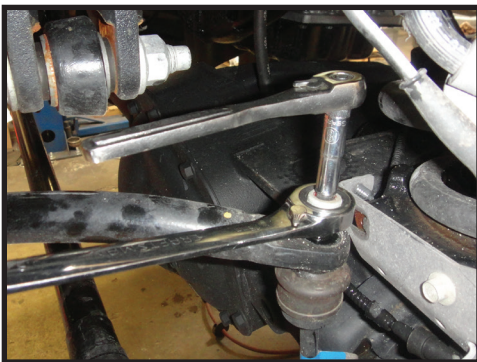
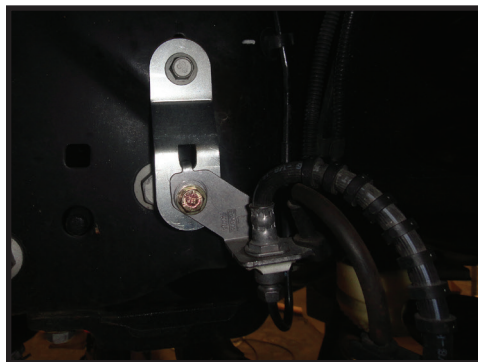


FIG.20

**23.** Connect the ICON adjustable track bar (64038) using a 30mm. (Refer to track bar instructions) [FIGURE 20]

**24.** Mount the upper brake line drop brackets with the factory bolt using a 13mm. [Torque to factory spec] [FIGURE 21]

FIG.21



**25.** Mount the brake line to the supplied drop bracket using a 1/2". [Torque to 13 ft-lbs] [FIGURE 21] (Extended brake line kit (61110) available from ICON)

**26.** Mount the lower brake line brackets with the factory bolt and fasten using a 10mm. [Torque to factory spec] [FIGURE 22]

FIG.22



**27.** Ensure that the vacuum line is routed down and to the side of the bumpstop. Failure to check and adjust routing will allow the vacuum line to be crushed by the bumpstop. This will cause the auto locking feature of the hubs to not work. [FIGURE 23 & 24]

FIG.23

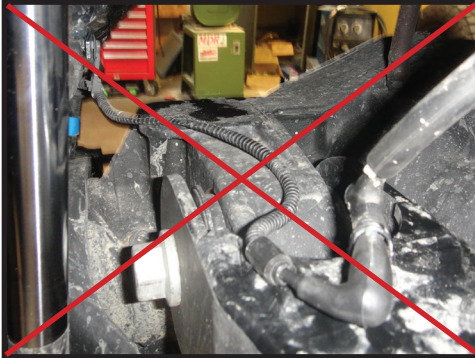


FIG.24



**28.** Install the front wheels and lower the vehicle back to the ground. [Torque lugs to factory spec]

**29.** Adjust caster using the double adjusters on the lower links. Line up the slit in the double adjuster sleeve with the slit in the link. Using an alternating pattern to ensure even clamping force, torque the pinch bolts back and forth three times to 45 ft-lbs.

**30.** Center the front axle under the truck using the adjustable track bar and then center the steering wheel. Refer to (64038) track bar instructions.

**31.** Have the vehicle professionally aligned.

***VERIFY ALL FASTENERS ARE PROPERLY TORQUED BEFORE DRIVING VEHICLE.***

***RETORQUE ALL NUTS, BOLTS AND LUGS AFTER 100 MILES AND PERIODICALLY THEREAFTER.***

## ICON VEHICLE DYNAMICS LIMITED LIFETIME WARRANTY

ICON Vehicle Dynamics warrants to the original retail purchaser who owns the vehicle on which the product was originally installed. ICON Vehicle Dynamics does not warrant the product for finish, alterations, modifications and/or installation contrary to ICON Vehicle Dynamics instructions. ICON Vehicle Dynamics products are not designed, nor are they intended to be installed on vehicles used in race applications, for racing purposes or for similar activities. (A "race" is defined as any contest between two or more vehicles, or a contest of one or more vehicles against the clock, whether or not such contest is for a prize). This warranty does not include coverage for police or taxi vehicles, race vehicles, or vehicles used for government or commercial purposes. Also excluded from this warranty are sales outside of the United States of America and Canada.

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