

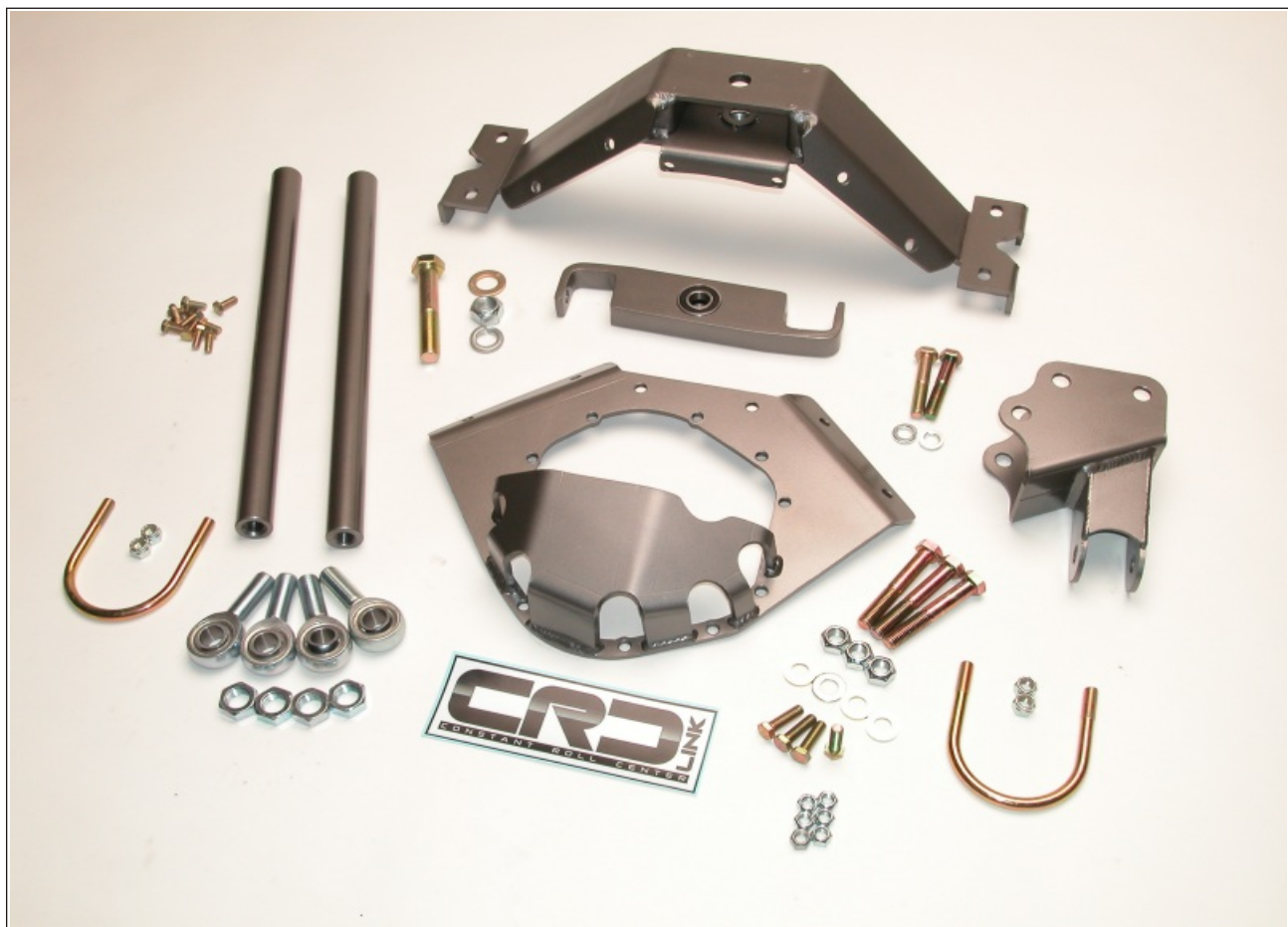
NEW!



2007-2012 Jeep Wrangler JK

Part # FTS7380 USA/Left Hand Drive vehicles

Part # FTS7382 Export/Right Hand Drive vehicles





Read instructions from start to finish before installation.

It is recommended to use the services of a professional installer.

INSTALLATION INSTRUCTIONS

Part # FTS7380 CRC Link Conversion Kit Bill of Materials

HARDWARE KITS	Qty
Installation Instructions	1
<u>Hardware Kit</u>	
9/16"-12 x 3" Link Arm Frame Bolts	2
9/16" Gr.8 Flat Washer	4
9/16" Stover Nut	2
5/16" x 3/4" Gr.8 Bolt	10
5/16" Gr. 8 NarrowFlat Washer	10
3/8" x 1-1/4" Gr.8 Bolt	4
3/8" Metal Lock Nut	4
3/8" Gr.8 Flat Washer	8
1/2"-13 x 4.0" Gr.8 Bolt	3
1/2"-13 x 2 3/4" Gr.8 Bolt	2
1/2" Flat Washer	8
1/2" Lock Washer	2
1/2" Stover Nuts	3
U-Bolt 7/16"-20 x 3.75" I.D. X 4.0" Long	2
U-Bolt Nut 7/16"-20 Fine thread MLN	4
7/16" Flat Washer Gr.8	4
3/4" O.D. X 1/2" I.D. Frame crush spacer	3
<u>Heim Joint & Mis-ALignment Spacer Kit</u>	
JMX12T Heim Joint	4
3/4" Jam Nut	4
50-713315 Misalignment Spacer .56 I.D.	4
50-750615-004 Misalignment Spacer .50 I.D.	4

COMPONENTS	Qty
50-738001 Axle Bridge	1
50-738002 Differential Cover Plate	1
50-738003 CRC Link Preassembled	1
50-738004 Frame Mount Bracket	1
50-738006 Link Arms 1-1/8" x 11/16" x 19" L	2
<u>Hardware used in Pre-Assembly</u>	
2.5" ID Female-Female Exhaust Coupler	1
2.5" OD Male 2.5 ID Female Exhaust Coupler t	1
Exhaust Clamps 2.5" I.D.	4
3/4"-16 x 2-3/4" Long Gr.8 Bolt	1
3/4" Flat Washer	1
3/4" Lock Washer	1
LM11900LA Bearings	2
LM11910 Races	2

Important Safety Warning

2007-2012 Jeep Wrangler JK

with Electronic Stability Program (ESP)

Must Read:

Standard on the all-new 2007-2011 Jeep Wrangler is an Electronic Stability Program (ESP), which aids the driver in maintaining vehicle directional stability in severe driving maneuvers on any type of surface. ESP features three modes – “full on,” “full off” and “partial on.” ESP provides the greatest benefit in critical driving situations such as turns, and is especially valuable when driving on mixed surface conditions including snow, ice or gravel. If there's a discernible difference between what the driver directs through the steering wheel and the vehicle's path, ESP applies selective braking and throttle input in order to put the vehicle back onto the driver's intended path.

Note:

ESP system activation will occur on a lifted Jeep JK when the steering wheel and the front steering system are not in proper alignment. Full-Traction Suspension recommends a professional front end alignment of the vehicle immediately following installation of any lift system. Proper alignment includes adjusting the Steering Drag Rod and Centering the Steering Wheel. Failure to align the front of the vehicle will result in automatic activation of the ESP system while driving.

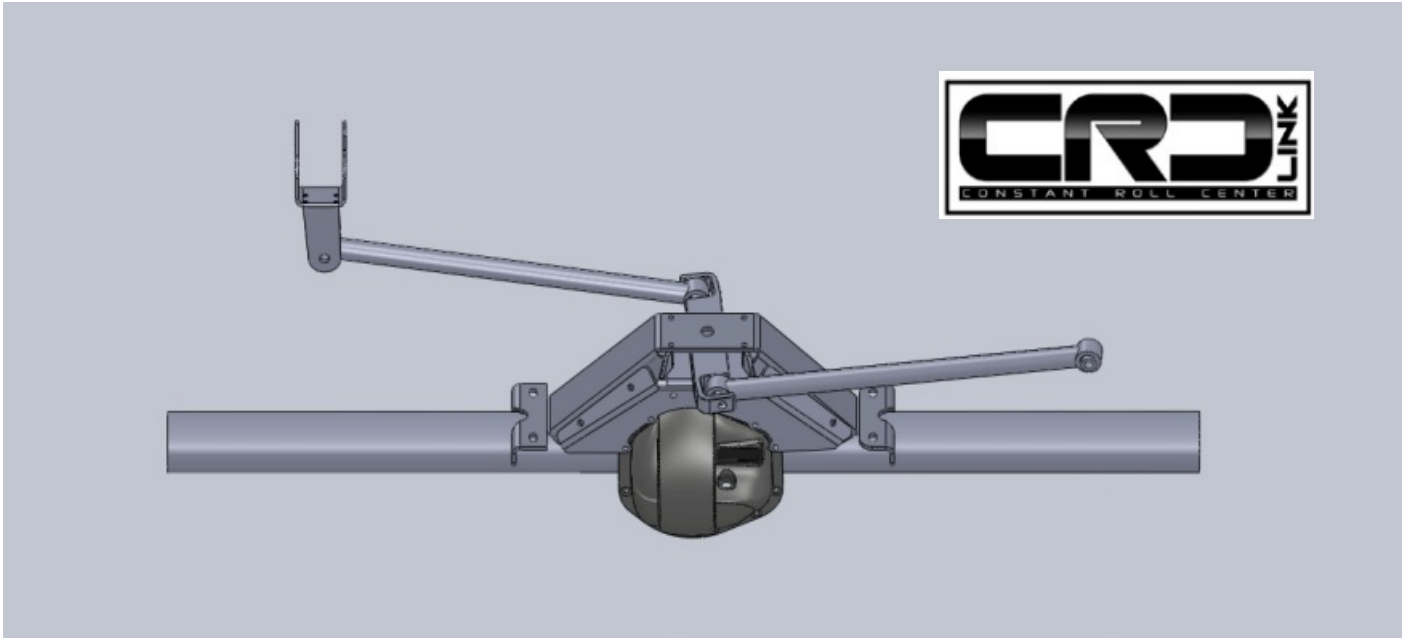
Safety Warning:

Suspension systems or components that enhance the off-road performance of your vehicle may cause it to handle differently, on and off-road, than it did from the factory. Care must be taken to prevent loss of control or vehicle rollover during sudden maneuvers. Failure to drive the vehicle safely may result in serious injury or death to driver and passengers. We recommend you always wear your seatbelt, drive safely and avoid quick turns and other sudden maneuvers. Constant maintenance is required to keep your vehicle safe. Thoroughly inspect your vehicle before and after every off road use.

Installation Warning:

We recommend that certified technicians perform the installations of our products. Attempts to install these products without knowledge or experience may jeopardize the safety of the vehicle. These instructions only cover the installation of our products and may not include factory procedures for disassembly and reassembly of factory components. Read instructions from start to finish and be sure all parts are present before disassembling the vehicle. Included instructions are guidelines only for recommended procedures and in no way are meant to be definitive. Installer is responsible to insure a safe and controllable vehicle after performing modifications. Do not perform test drives on public roads with partially completed installations. Always double and triple check your work before use. Eye protection is recommended when using power tools.





Important Must Read

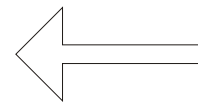
This 3D Illustration gives you a good visualization of how the setup works. The CRC Link system works on two-door and four door JK's with stock rear axles. A minimum of 2" of suspension lift is required for the system to operate and work properly. This system will not work and should not be installed on a stock height JK Wrangler.

Please read these instructions entirely before installation.



Drain Differential Oil

1. Remove drain plug and drain oil from differential. **Fig.1**
2. Remove factory differential cover. Save any gasket material or replace if necessary. Save fluid to reuse or replace with new fluid if necessary.



**NOTE:
CRC LINK DOES NOT FIT WITH ANY AFTERMARKET DIFFERENTIAL COVERS.**

Installing Frame Bracket

1. To install the CRC Link, secure the vehicle on a lift and remove the rear track bar.
2. The Left Side/Driver side frame rail must be prepared for the new CRC link bracket. Re-position the factory wire loom on the inside surface of the frame rail to expose the middle mounting hole for the bracket. Fig.2

Remove the factory installed brake line clip on the outside surface of the frame opposite the wiring loop clip. Removing the outside clip exposes a small hole in the frame.

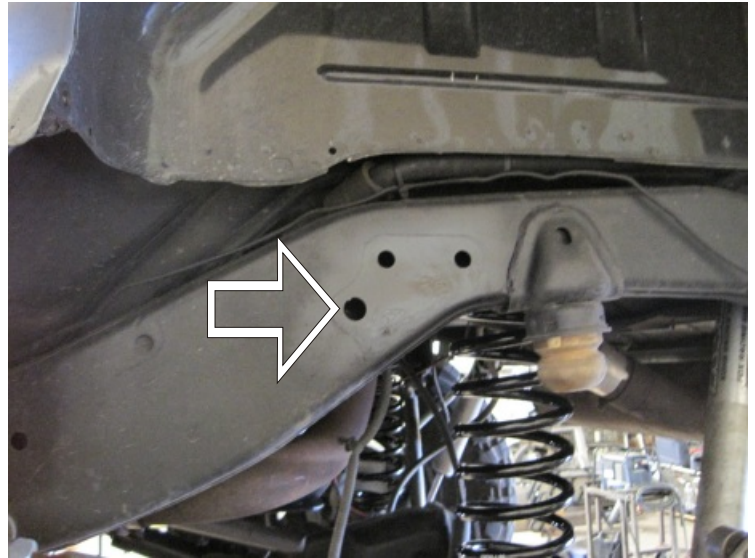


Fig.2

NOTE:

**One large frame hole is pre-existing on all JK frames.
Please see large arrow in Fig.2
Picture shows what frame should look like
After new holes have been drilled.**

3. Remove the factory exhaust hanger rod which is attached to the inside surface of the frame in the immediate area next to where the new bracket will be installed. This hanger is not reused and another hanger is not required. Grind the frame smooth to allow the bracket to slide over the frame easily and repaint the frame surface to prevent rust. **Fig.3**



Fig.3

Installing Frame Bracket

4. The spacers provided in this kit are to prevent the frame from being crushed inward after installing the frame bracket. As shown in Fig.4, The diameter of the hole on the outside surface of the frame is drilled to 3/4" diameter. **DO NOT DRILL THE INSIDE SURFACE TO 3/4"** Position the CRC link bracket using the large forward hole and the small brake line clip hole as a reference. Insert a 3/4" diameter frame crush spacer into the large factory hole and drill the inside frame hole to 1/2" diameter. Repeat the same for the two remaining holes. Install 1/2" x 4.0" bolts, washers and nuts and the remaining crush spacers.



Fig.4

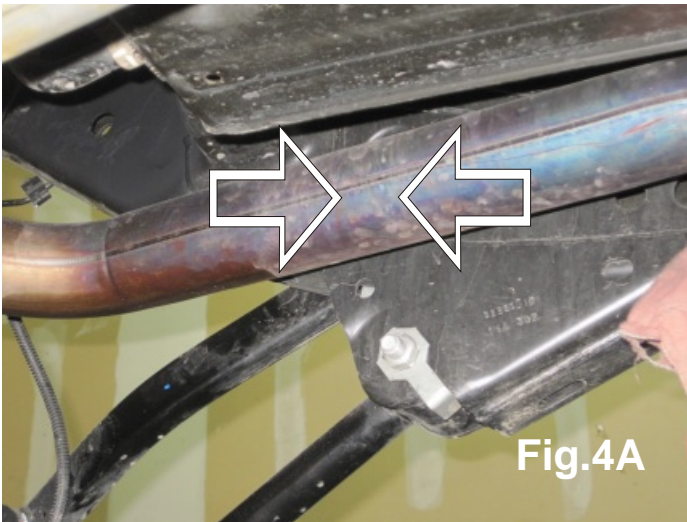


Fig.4A

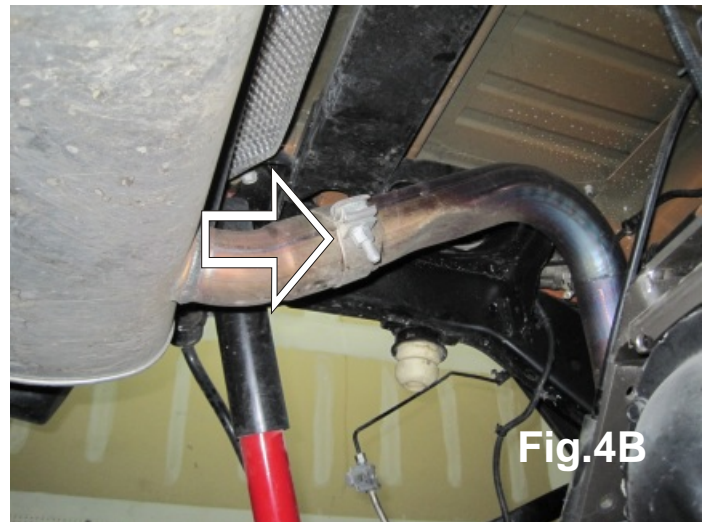


Fig.4B

Exhaust Modification Must Read

5. *Next, we recommend to cut the exhaust toward the front side of the differential and remove the tailpipe section and set aside for modification during the last part of this installation job. Using the supplied exhaust extension pieces, modify factory exhaust as required. Refer to Fig4A & 4B for where to cut and on page 10 of these instructions for proper positioning of the exhaust spacers. Additionally, If using an aftermarket exhaust system, modifications listed here may not be necessary, however, the factory hanger rod must still be removed from the frame. Fig.4 & 5 shows the frame bracket installed.*



Fig.5

NOTE:

The axle bridge and the CRC Link come pre-assembled from Full-Traction.
Do not dis-assemble this unit. No Lubrication is required.

Installing Axle Bridge Assembly

1. To install the axle bridge assembly above the center section of the axle, the unit simply bolts over the factory differential cover.

NOTE:

CRC LINK DOES NOT FIT WITH ANY AFTERMARKET DIFFERENTIAL COVER.



Fig.6

2. Install the bridge using 7/16" dia U-Bolts. Install U-Bolts from the bottom up around the axle tube and through the bridge holes. Leave bolts hand tight until differential cover is installed. **Fig.6**
3. Utilizing all ten of the differential cover holes, mount the factory differential cover and the new CRC differential cover plate with the built-in 1/4" differential skid. Install using new 5/16" x 3/4" cover bolts and washers to accommodate the increased flange thickness.



Fig.7

Install the 3/8" x 1-1/4" bolts into the upper side sections of the cover.

Fig.7 & 8

NOTE TO INSTALLER:

Making adjustments to the length of the link arms is not recommended. You should only adjust the length if the axle is not centered. Adjusting to line up the bolts will cause the axle to be off-center to the vehicle. See step 1 on page 9.



Fig.8

Installing Link Arms & Hardware

1. Install the JMX12-T Heim Joints and a 3/4" jam nut into each end of the lateral Link Arms. All threads are Right Hand. **The exact length of arms before installation should be 22-3/4" measured center to center.**
2. With the bridge installed and tight, install the passenger side lateral Link arm with the 0.56 I.D. Mis-alignment spacers on the factory track bar mounting point of the frame. Mount the 0.50 Mis-alignment spacers to the center link. Use 1/2" x 2-3/4" bolts and lock washers to secure the heim joint to the center link.
Fig.11 shows Left/Driver side. Figure 10 shows the completed link installed on the Right/Passenger side factory frame bracket. Install using 9/16" x 3.0" bolts, nuts,& washers.



Fig.9



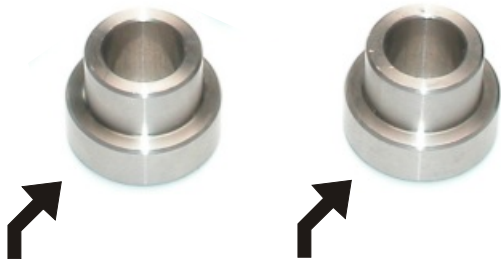
Fig.11



Fig.10

Note:

Use a ratchet strap to assist in locating the axle laterally to align each mounting bolt on the link arms. Use Anti-Seize compound on all threaded surfaces to prevent rust.



0.56 inside diameter 0.50 inside diameter



Fig.12

Installing Link Arms & Hardware. Continued.....

3. Once the axle is lined up correctly, the lateral link arms simply drop into the pivot assembly from the top. Make length adjustments to the arms as necessary. It is recommended to cycle the suspension up and down to check for the proper length of the lateral arms and clearance of all components. **Fig.13** shows another angle of the passenger side bracket with new link.
4. The completed CRC pivot assembly only moves 10 degrees throughout the entire range of motion. As an added bonus, this installation allows the installer to remove the low hanging factory track bar mount on the driver's side of the axle.
5. **Replace all fluids to the differential before driving.**



Fig.13

**TIGHTEN DRAIN PLUG.
TIGHTEN ALL HARDWARE.**

Exhaust Modifications

Photos show where exhaust inserts are installed on the factory exhaust system.
Fig.14 & 15

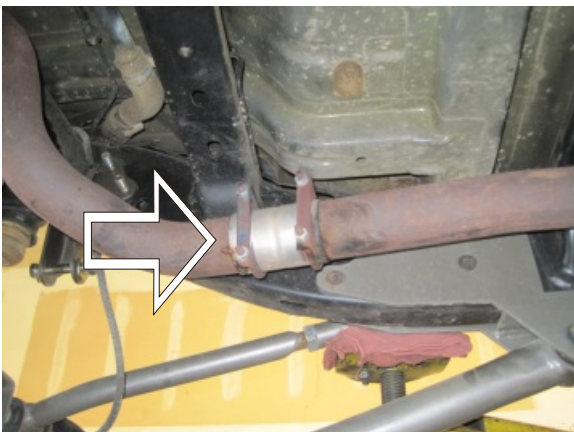


Fig.14

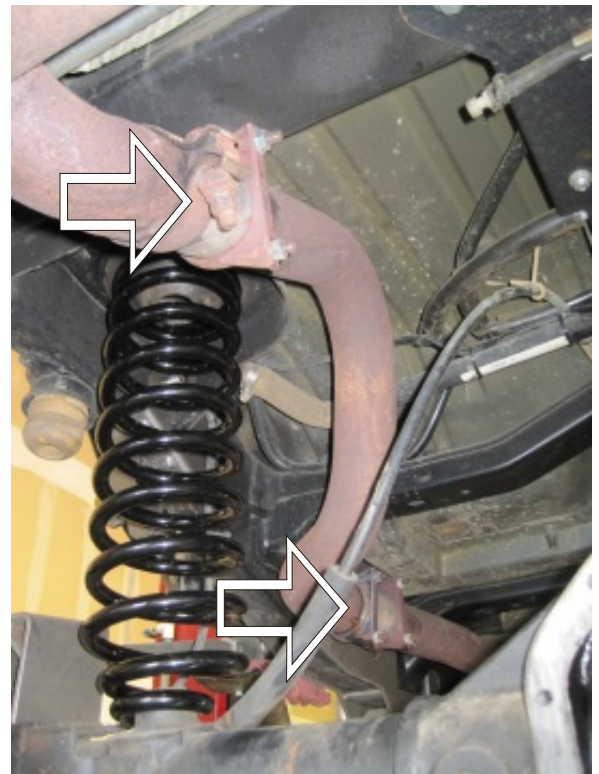


Fig.15

CHECKS AND ADJUSTMENTS.

*Recheck all hardware for tightness immediately after test drive and again after the first 100 miles.

Congratulations on your choice of a performance engineered FULL-TRACTION SUSPENSION System. Proper maintenance of this kit will insure years of both on and off-road enjoyment. Check & re-torque all hardware every 500 miles or after EVERY off-road use. Keep all bushings, threads and pivot points properly lubricated. Periodically check wheel alignment and check for abnormal tire wear.

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Sticker Here

WARRANTY

Full Traction Limited Warranty

About our warranty

Full Traction components may have minor finish damage to powder coated or plated surfaces which may occur during shipping and is not covered under warranty. Full Traction Suspension warrants each new Full Traction Component against factory defects in material and workmanship for 1 year after date of purchase. Full Traction Suspension systems are sold as complete systems and must be installed as such per Full-Traction installation instructions. Any substitutions of other manufacturers components or exemptions of required components will immediately void the warranty. Full-Traction suspension guarantees that all of its products are of the finest quality and free from manufacturing defects. Any product that has been manufactured incorrectly or is of a defective nature will be repaired or replaced at the discretion of Full-Traction Suspension. Returns: Only after written or verbal approval, send such part(s) and proof of purchase, via prepaid freight with an RGA (Return Goods Authorization) number to: Full-Traction Suspension 6951 McDivitt Dr. Bakersfield Ca 93313 USA. Shipments without an RGA number clearly designated on the outside of all containers or collect shipments will be refused. To obtain RGA(s) call 661/398-9585

What is not covered

Suspension and steel fabricated components: Limited (12) month warranty excluding the following items: Tie rod ends, bushings, hardware, brake lines, heim joints. These parts are subject to wear and are not considered defective when worn. They are warranted for 90 days from the date of purchase for defects in workmanship. Shock absorbers are covered under our limited warranty. Products or components installed on vehicles other than those specifically indicated in the Full-Traction Suspension catalog or website. Products or components which have been subjected to abuse, accident, alteration, modification, improper installation, tampering, negligence, misuse, or products installed on a vehicle used in sanctioned racing events. A race is defined as any contest between two or more vehicles, or any contest of one or more vehicles against the clock, whether or not such contest is for a prize. This warranty does not include vehicles used for government or commercial purposes. Full Traction does not warrant any product not manufactured by Full Traction Suspension. Full Traction Suspension products are not covered under warranty outside the United States of America. Full Traction Suspension shall not be liable for any loss, damage, or injury, whether ordinary, direct, special, incidental or consequential damages, arising from the manufacture, sale, installation, re-sale, delivery, possession, handling or use of its products. Full Traction Suspension is not responsible for typographical errors either in pricing or in content. Warranties, policies, and prices subject to change without notice.

Installer's Safety Warning

Full-Traction Suspension recommends our products to be installed by certified technicians only. These recommendations pertain only to Full-Traction Manufactured Products. Efforts to install our system without experience and knowledge may jeopardize the operating safety of the vehicle.

Detach and mail or fax to the address below

Name _____ Phone Number () _____

Address _____ City _____ State _____ Zip _____

Products Purchased from: _____ Date Purchased _____

Installed By _____ Date Installed _____

Vehicle make _____ Model _____ Year _____

Installation Comments _____

Product Part Number **FTS7380** Description: **2007-2011 Jeep JK CRC Link Conversion**

Warranty Registration Number _____

Mail or Fax To:
Full Traction Suspension
6901-F District Blvd
Bakersfield Ca 93313

Fax: 661-398-9555



WARRANTY FORM

WARRANTY FORM