

INSTALLATION INSTRUCTIONS

Part FTS7510

97-2004 Jeep Wrangler TJ / 2003-04 Jeep Rubicon

Tri-link Retrofit Conversion for vehicles equipped with 4.0" Suspension System

Read instructions from start to finish before installation

HARDWARE AND COMPONENTS LIST

Carton 1 OF 1 (A)	Qty
Components	
50-750612 Upper Rear V-Link Support	1
50-751014 Rear Upper V-Link Bar	1
70-7509 Rear Support & V-Link Component Kit	
JM-16T 1" X 1-1/4"-12 Male Rod End	1
50-750609-04 High Mis-Alignment Spacer	2
50-750612-04 Spacer, Rear Mount	2
3/4" x 4.5" Gr.5 Bolt	1
3/4" Flat Washer	1
5/16 x 1.5 Gr.8 Bolt	1
5/16 Metal Lock Nut	1
5/16" Flat Washer	2
10mm x 1.50 x 35mm Bolt	4
10mm Lock Washers	4
70-7522 Bushing & Sleeve Kit	
MO2758 V-Link Bushings	4
S10092 V-Link Sleeve	2
10mm x 1.50 x 80mm Bolt	2
10mm Flat Washers	4
10mm Metal Lock Nut	2
70-7575 Hardware Kit	
50-750612-06 Dana 35 Rear reinforcement Plate	1
50-750612-07 Dana 44 Diff Reinforcement Plate	1
50-750612-08 Upper Reinforcement Plate	1
B516 x 1 5/16" x 1" Bolts	3
N516MLN Metal Lock Nut	3
Fw516 Flat Washer	3
<i>To adjust pinion angle, it is recommended to install adjustable rear lower control arms.</i>	
	

NOTE: If using the **UNIVERSAL FIT** Full-Traction rear upper differential mount, welding and fabrication is required for proper fitment. Welding must be performed by a certified welder. Full-Traction is not responsible for improper installation.



Installing Upper Rear Differential “V” Link Support

1. Support rear frame with stands.
2. Using a jack to support the rear axle, remove the rear factory trac bar from axle and frame. Remove factory rear shocks. Remove rear coil springs.
3. Save factory shock bolts to be reused.
4. Remove the rear sway bar and “D” bushings from the axle. Save all hardware to be reused.
5. Disconnect the parking brake cable attached to the rear upper control arms. Remove the factory rear upper and lower control arms.
6. Position the Full-Traction Upper “V” Link Support over axle. **Fig.11** Insert **50-750612-04** billet aluminum spacer and secure using the factory control arm bolt as shown in **Fig.10** Align holes in the new upper link support bracket with the holes in the frame from the sway bar bracket. To secure the V-Link support, install factory sway bar to axle with factory “D” bushing & brackets using new 10mm 1.5 x 35mm bolts and washers. Secure all hardware.
7. Install rear coil springs and shocks.

To adjust pinion angle, it is recommended to install adjustable rear lower control arms.

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Fig.10

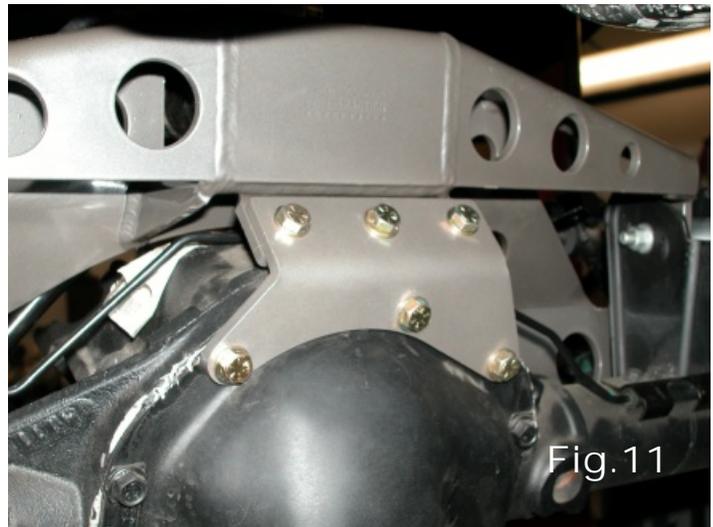


Fig.11

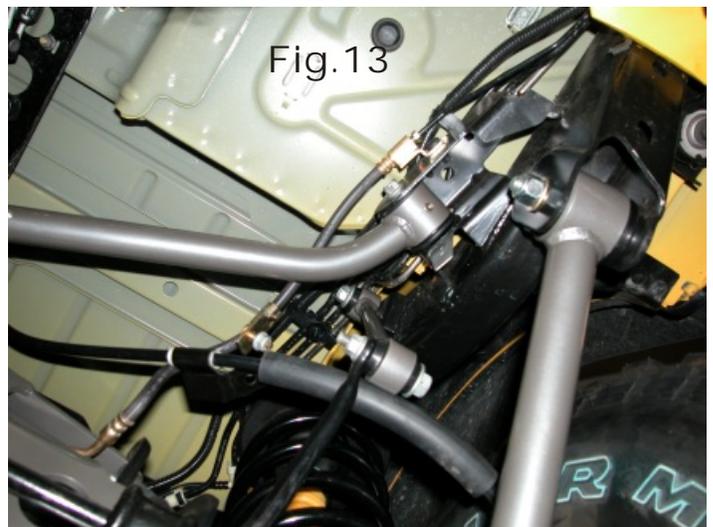


Fig.13

Installing Upper Rear “V” Link

1. Insert **Mo2758** bushings & sleeve **S10092** into eyelets of the V-Link. Bushings must be greased liberally with moly grease or similar type assembly lube. Failure to lube bushings prior to assembly will result in suspension squeaks and premature wear of the bushings. Install **JM-16T 1” x 1-1/4” Male Rod End** into threads of the V-Link. **Fig.14**

Insert **5/16 x 1.5” bolt** and metal lock nut through the clamp collar to secure the male rod end to the V-Link **Fig.14**. Install grease zerk fitting into eyelets.

2. To install the V-Link to the vehicle, align the eyelets to the upper rear control arm frame contact point and install using factory bolts. Leave bolts and nuts hand tight.

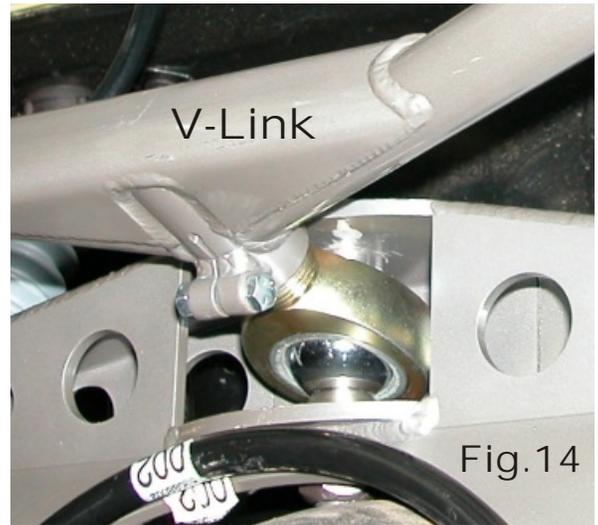
3. Insert # **50-750609-04** high mis-alignment spacers on both sides of **JM-16T 1” x 1-1/4” Male Rod End**. To install the V-Link to the axle, tilt (pivot) the rear axle backwards to align male rod end bearing with bolt hole in upper “V” link support. Carefully guide the assembly into the Well of the support. Insert **3/4”x 4.5” bolt & washers**. Attach **50-750612-08** upper reinforcement plate with **3/4” nut** which is welded to the plate. **Fig.15A**
The plate with nut is mounted under the support. Torque to 150 lbs./ft.

The V-Link is shown in place with the grease zerks facing downward. **Fig.13 & 15**

IMPORTANT

4. Install either **50-750612-07 Dana 44** or **50-750612-06 Dana 35** differential reinforcement plate along with **50-750612-08** upper reinforcement plate with nut. The nut is welded to the plate to allow for easy assembly. Install reinforcement plate using V-Link **3/4 x 4.5” bolt**. Install the differential plate using the factory bolts from the rear differential inspection cover. Drill **3/8”** holes into upper reinforcement using holes in differential plate as a template. Install **3/8” bolts** provided. Draining oil from rear differential is not necessary. **Fig.15A & 11**

NOTE: Failure to install differential reinforcement plate may cause damage to the drivetrain system and will void the warranty of your Full-Traction Suspension system. Fig 11 & 15A



Place Warranty
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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 FTS7510 Description: Jeep TJ 4" Tri-Link Retro Fit

Warranty Registration Number _____

Mail or Fax To:
Full Traction Suspension
6951 McDivitt Dr
Bakersfield Ca 93313

Fax: 661-398-9555



WARRANTY FORM

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