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**INSTALLATION INSTRUCTIONS FOR:  
RE3721  
JEEP JL Fixed Front Lower Control Arm**

**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.

**ESP WARNING NOTE: The 2018+ Jeep Wrangler JL is equipped an Electric Stability Program (ESP). This system is designed to help control the vehicle in times of uncertain traction conditions and roll stability. Due to the complex nature of this program Rubicon Express strongly suggest that after lifting the vehicle it is returned to the dealer for a computer "flash" to re address tire size and proper ESP control settings. Rubicon Express also recommends that you become familiar with the ESP controls and how the different level of settings can help you to keep better control of your vehicle.**

**REQUIRED TOOLS:**

Basic mechanics' hand tools  
Jack and Jack Stands or Vehicle Lift

## **RE3721:**

2	<b>88-RM31144 Front Lower Control Arm</b>
8	<b>35-RM14073 Sleeve</b>
4	<b>35-RM42045 Bushing</b>
4	<b>HW5025 90 Degree Zerk Fitting 1/4"-28</b>
2	<b>90-6789 Hardware Pack: Brake Line Bracket</b>
1	<b>5/16"-18 X 3/4" Hex Bolt Gr. 8</b>
1	<b>5/16"-18 Stover Nut</b>
2	<b>5/16" Hardened Flat Washer</b>

### **Installation:**

1. Position your vehicle on a smooth, flat, hard surface (i.e. concrete or asphalt). Block the rear tires and set the emergency brake. Lift the front vehicle off the ground and support the frame with jack stands allowing the front axle to fully droop. Remove the front wheels and tires.
2. Prepare the vehicle by disconnecting any electronics or brake line brackets that may be damaged while fully drooping the front axle.
3. Unbolt the **OE** brake line brackets from the front lower control arms. Save the **OE** hardware for reinstallation.

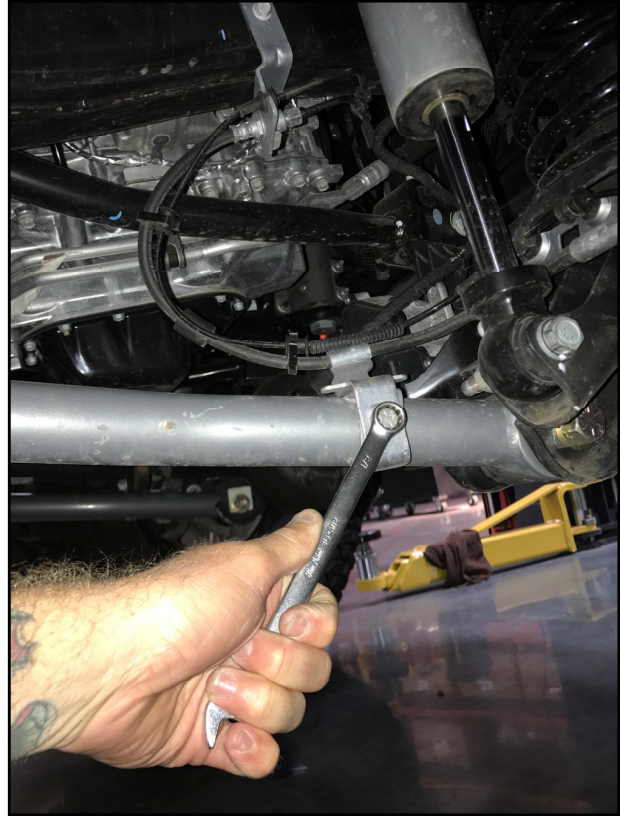
**CAUTION: REMOVE ONE LOWER CONTROL ARM AT A TIME, DO NOT REMOVE BOTH LOWER CONTROL ARMS AT THE SAME TIME OR THE FRONT AXLE WILL ROTATE AND POSSIBLY DAMAGE THE DRIVELINE.**

4. **With the front axle supported by a jack or jackstand**, remove the **(2) OE** bolts and hardware securing the driver side front lower control arm to the frame and axle mounts. Remove the **OE** lower control arm from the vehicle.
5. Install the new lower control arm, 88-RM31144, to the driver side **OE** frame and axle mounts and secure using the previously removed **OE** hardware. Be sure the new lower control arm is oriented with the bend toward the center of the vehicle and brake line bracket mounting tab toward the front of the vehicle. Do not tighten the **OE** hardware until the vehicle is on the ground. **(photo 1)**
6. Install the previously removed **OE** brake line bracket to the brake line tab on the new lower control arm, 88-RM31144, and secure using the supplied **5/16" X 3/4"** bolts and hardware. Torque the **5/16"** hardware to 25 ft./lbs. **(photo 2)**

**NOTE: If necessary, the brake line can be pulled through the OE clamp to provide extra slack.**



**(Photo #1)**



**(Photo #2)**

7. Repeat steps 4 through 6 on the passenger side of the vehicle.
8. Reconnect any previously disconnected electronics or brake line brackets.
9. Reinstall the wheels and tires. Carefully lower the vehicle to the ground and torque the lug nuts per manufacturer's specifications.
10. With the vehicle on the ground, torque the **OE** lower control arm hardware per manufacturer's specifications.

### **Installation review:**

1. Torque all the bolts to factory specifications. Be sure to double check your work.
2. Recheck all bolts after 50 miles and again after every off road excursion.



## **RUBICON EXPRESS ADVANTAGE LIFETIME WARRANTY**

### ***Notice to Owner, Operator, Dealer and Installer:***

Vehicles that have been enhanced for off-road performance often have unique handling characteristics due to the higher center of gravity and larger tires. This vehicle may handle, react and stop differently than many passenger cars or unmodified vehicles, both on and off-road. You must drive your vehicle safely! Extreme care should always be taken to prevent vehicle rollover or loss of control, which can result in serious injury or even death. Always avoid sudden sharp turns or abrupt maneuvers and allow more time and distance for braking! Rubicon Express reminds you to fasten your seat belts at all times and reduce speed! We will gladly answer any questions concerning the design, function, maintenance and correct use of our products.

Please make sure that the Dealer / Installer explains and delivers all warning notices, warranty forms and instruction sheets included with Rubicon Express product.

Application listings in this catalog have been carefully fit checked for each model and year denoted. However, Rubicon Express reserves the right to update as necessary, without notice, and will not be held responsible for misprints, changes or variations made by vehicle manufacturers. Please call when in question regarding new model year, vehicles not listed by specific body or chassis styles or vehicles not originally distributed in the USA.

Please note that certain mechanical aspects of any suspension lift product may accelerate ordinary wear of original equipment components. Further, installation of certain Rubicon Express products may void the vehicle's factory warranty as it pertains to certain covered parts; it is the consumer's responsibility to check with their local dealer for warranty coverage before installation of the lift.

### ***Warranty and Return Policy:***

Rubicon Express warrants its full line of products to be free from defects in workmanship and materials for the life of the product. Rubicon Express's obligation under this warranty is limited to repair or replacement, at Rubicon Express's option, of the defective product. Any and all costs of removal, installation, freight or incidental or consequential damages are expressly excluded from this warranty. Rubicon Express is not responsible for damages and / or warranty of other vehicle parts related or non-related to the installation of Rubicon Express product. A consumer who makes the decision to modify his vehicle with aftermarket components of any kind will assume all risk and responsibility for potential damages incurred as a result of their chosen modifications.

Warranty coverage does not include consumer opinions regarding ride comfort, fitment and design. Warranty claims can be made directly with Rubicon Express or at any factory authorized Rubicon Express dealer.

### ***Claims not covered under warranty:***

- Parts subject to normal wear; this includes bushings\*, shock absorbers, driveshafts, ball joints, tie rod ends and heim joints.
- Discontinued products at Rubicon Express's discretion.
- Finish after 90 days.

Rubicon Express accepts no responsibility for any altered product, improper installation, lack of or improper maintenance or improper use of our products.

**\*Rubicon Express PT-MEG Super-Ride bushings are covered by the Rubicon Express Advantage Lifetime Warranty, and will be replaced in the event of failure for the life of the product.**