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## **INSTALLATION INSTRUCTIONS FOR: REA1025 2018+ JEEP JL/2020+ Jeep JT Oil Pan Skid Plate (V6 Only)**

### **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.

### **TECH NOTES:**

1. Requires 2.00" minimum bump stop spacer with Stock driveshafts
2. Requires 1.25" minimum bump stop spacer with Aftermarket driveshaft RE1883

## **REQUIRED TOOLS:**

Metric/Standard Socket Wrench Set  
Torque Wrench

## **KIT CONTENTS:**

- 1 86-RM24472 Oil Pan Skid Plate
- 2 65-RM31192 JL/JT XMBR LA SPCR
- 1 86-RM24498 JL OIL SKID DVR BRKT ASM
- 1 86-RM244501 JT OIL SKID DVR BRKT ASM
- 1 86-RM244504 JL OIL SKID PAS BRKT ASM
- 1 86-RM244506 JT OIL SKID PAS BRKT ASM
  
- 1 HWC15076 Hardware Pack
- 2 1/2" X 3 1/2" Hex Bolt Gr.8
- 2 1/2" Nylock Nut
- 4 1/2" SAE Hardened Washer
  
- 1 90-6650 Hardware Pack
- 2 M10 P1.5 DIN 985 Metric CL 8 Nylon Ins L/N ZB
- 2 M10 ASTM F436 Hard Washer (A325) Zinc II
  
- 1 90-6577 Hardware Pack
- 4 3/8-16 X 1 HEX CAP SCREW GRADE 8 - Zinc II
- 4 3/8-16 Toplock Grade C Zinc
- 8 3/8 ASTM F436 Hard Washer SAE (A325) Zinc II

## **Installation:**

### **For Vehicles Not Equipped With Long Arm Kit**

1. Properly support the front of the vehicle off the ground under the frame and block the wheels.
2. Remove heat shields around the upper arm frame mounts by loosening and removing the **8mm OE** bolts. Heat shields and **OE** bolts will not be reinstalled.
3. Remove the **OE** upper arm frame bolts and reinstall with the heads of the bolts toward the outside and the nut plate on the inside of the frame. Be sure to remove the bolts from **ONE SIDE AT A TIME** to ensure the axle doesn't roll over or shift out of place. Bend the tab on the nut plate so that the tang does not come in contact with the catalytic converter on the drivers side.

***NOTE: It may be easier to remove the OE upper arm bolts from the frame when the vehicle is at ride height and the arms are neutral.***

4. Raise the oil pan skid plate, 86-RM24472, into position and align the mounting holes on the **OE** upper arm frame bolts. Secure the oil pan skid plate using the previously removed **OE** hardware. Torque to manufacturer's specifications. **(PHOTO 1)**

***NOTE: If installing with, REA1021, install Transmission skid plate before***



**(Photo #1)**

***torquing the OE upper arm bolts to help with alignment.***

5. **FOR JL MODELS:** Loosely install **RM24498** JL Oil Skid Dvr Brkt Asm and **RM24504** JL Oil Skid PAS Bracket ASM first onto the motor mount holes and then onto the inside of the skid plate with supplied 3/8" hardware from hardware pack **90-6577**. **(PHOTO 2)** and **(PHOTO 3)**



(Photo #2)

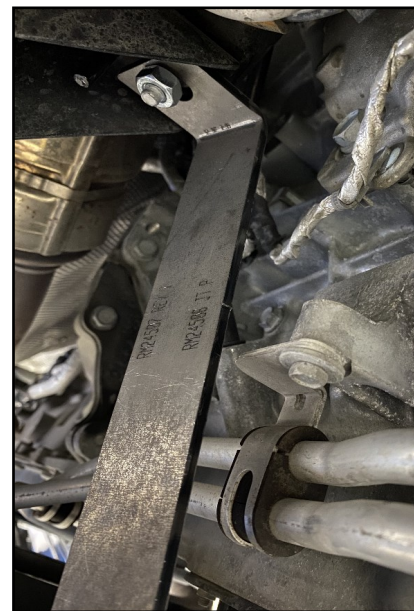


(Photo #3)

6. **FOR JT MODELS:** Loosely install **RM24501** JT Oil Skid Dvr Brkt Asm onto motor mount by removing front motor mount bolt and putting bracket on top of mount **(PHOTO 4)**. Install **RM24506** JT Oil Skid PAS Bracket ASM first onto the extra threads on the bolt on the motor mount. Secure using supplied M10 hardware from hardware pack **90-6650**. **(PHOTO 5)**
7. Secure lower ends of brackets onto the inside of the skid plate with supplied 3/8" hardware from hardware pack **90-6577**.
8. Torque arm bolts to factory spec, torque 3/8" hardware to 45lb-ft, and torque M10 hardware to 50lb-ft.



(Photo #4)



(Photo #5)



### **For Vehicles Equipped With Rubicon Express Long Arm Kit**

1. Properly support the front of the vehicle off the ground under the frame and block the wheels.
2. Remove the **(2) 1/2"** bolts and hardware securing the **OE** upper long arms and the long arm upper arm brackets to the frame. Install the supplied **1/2" X 3 1/2"** bolts and hardware with the heads of the bolts toward the outside and the nut and washer on the inside of the frame.
3. Slide the aluminum spacers, 65-RM31192, onto the **(2) 1/2" X 3 1/2"** bolts. Raise the oil pan skid plate, 86-RM24472, into position and install onto the **(2) 1/2"** bolts and secure using the **(2) 1/2"** washers and nuts. Tighten the **1/2"** bolts until finger tight to hold the oil pan skid plate in place. **(PHOTO 5)**

**NOTE: If installing with, REA1021, install Transmission skid plate before torquing the OE upper arm bolts to help with alignment. (PHOTO 6)**

4. Torque the **1/2"** upper arm bracket hardware to 90 ft-lbs.



**(Photo #5)**



**(Photo #6)**

### **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.

**NOTES:**



## 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.**



**WARNING:** Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)