



**CE-9033TJ JEEP TJ WRANGLER & LJ UNLIMITED TOW BAR MOUNTING KIT
INSTALLATION INSTRUCTIONS & TECHNICAL MANUAL**



Fits

- 1997-2006 Jeep TJ Wrangler & LJ Unlimited

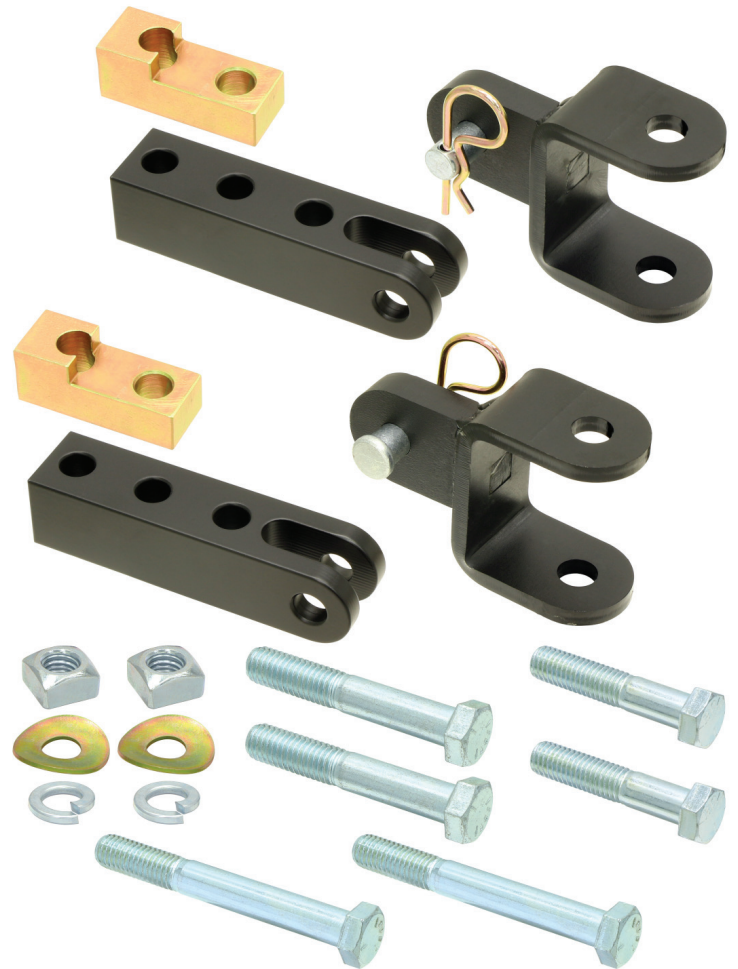
Kit Includes

Tow bar mounting kit includes the following:

- 2 - Gold iridated frame bracket adaptors
- 2 - Black powder coated frame brackets
- 2 - Black tow bar end adaptors
- 2 - 1/2" x 1 1/2" Clevis Pins
- 2 - Hair Pins
- 2 - 1/2"-13 x 4" bolts
- 2 - 1/2"-13 x 3" bolts
- 2 - 1/2"-13 x 2 1/2" bolts
- 4 - 1/2" Flat Washers
- 4 - 1/2" Lock Washers
- 2 - 1/2"-13 Special Curved Nuts
- 2 - 1/2" Curved Washers

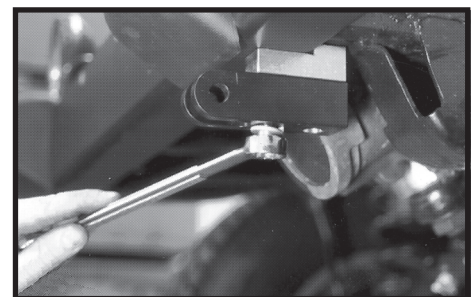
Optional CE-9033F Tow Bar includes the following:

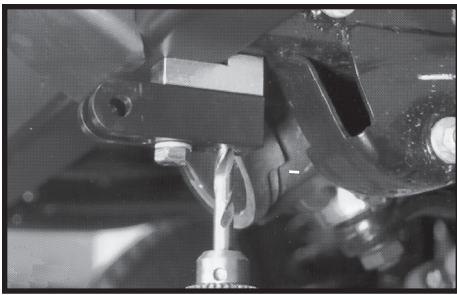
- 1 - Tow Bar Assembly
- 1 - Universal Safety Chain Kit



Instructions

1) Remove lower front bumper attaching bolt from the bottom side of the bumper. If you are using the TJ's stock bumper, you will use the black frame brackets and the gold bracket adaptors as shown in the picture. Many aftermarket bumpers allow you to use only the black frame brackets, but, in those instances, you will use the 1/2" flat washers, 2 on each side, to take up the gap behind the end of the bumper that the step in the gold bracket accounts for in a stock bumper application. Insert a bolt with lock washer through the front bracket hole and snug the bracket down to the frame. You will use the 2 1/2" long bolts for most aftermarket bumper applications and the 3 1/4" bolts in stock bumper applications.

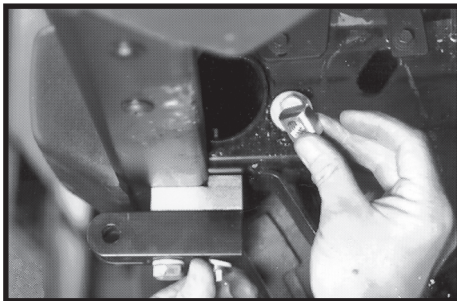
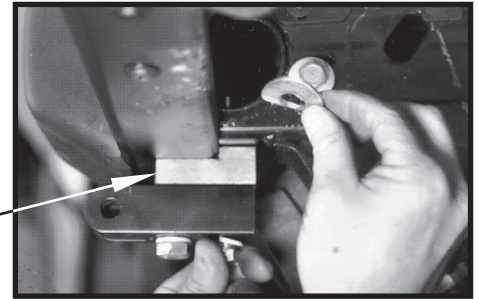




2) Now, using the back hole in the bracket as a template, center punch and drill the back mounting hole with a 1/2" drill bit. In a stock bumper application the drill will hit the back edge of the bumper and you will have to drill through this edge of the bumper. This hole will drill all the way through the tube front crossmember of the frame.

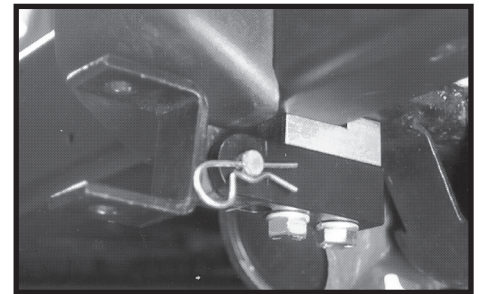
3) In the stock bumper application you will want to use the 1/2"-13 x 4" bolt with a lock washer in the back hole. For most aftermarket bumper applications you will use the 1/2"-13 x 3" bolts here. Slide the bolt up until it's threads protrude into the front tube crossmember and then insert the 1/2" curved washers onto them and rotate them so that they seat down into the curve in the bottom of the tube.

Again, most aftermarket bumper applications will use the 1/2" flat washers to take up the step behind the back edge of the bumper, so the black frame brackets will sit level with the bottom of the bumper.



4) Use the square nut with the curve on one side inside the tube to thread the back bolt into. Make sure you put the curved side of the nut down so that it mates with the curve in the washer. Now you may torque all of the bracket attaching bolts to 80 ft. lbs.

5) The tow bar end adaptors are installed into the frame brackets using the clevis pins and the hair pins to retain them. The CE-9033F tow bar assembly available through RockJock includes another style of tow bar adaptor ends already installed onto it. You will have to remove these ends off of the tow bar and install the ends that are included in the CE-9033TJ kit shown in this step.



@RockJock4x4

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/RockJock4x4byJohnCurrie



1592 Jenks Dr.
Corona, Ca. 92878
(714) 367-1580