

INSTALLATION INSTRUCTION

PJ1000FRONT STUBBY CRAWLER BUMPER

UNPACK YOUR BUMPER AND CHECK THE PACKAGE CONTENTS AGAINST THE FOLLOWING LIST. If you do not have all the parts listed below, call 661-304-0360.

Package contents:

- 1) PJ1000-A Outer bumper shell
- 1) PJ1000-B Inner winch plate
- 1) Hardware kit consisting of the following:
 - 8) 1/2-13 x 2-1/2 button head cap screws
 - 8) 1/2 flat washers
 - 8) 1/2 lock washers
 - 8) 1/2-13 nuts
 - 2) 7/16-14 x 1-1/2 bolts
 - 2) 7/16 flat washers
 - 2) 7/16 lock washers
 - 2) 7/16 thick spacers
 - 2) 5/16 thick spacers
- 1) Instruction sheet



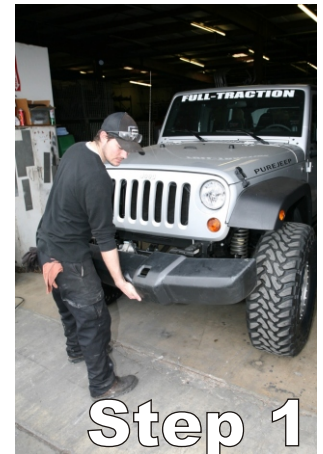
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BEGIN THE INSTALLATION

STEP 1

Remove the factory bumper per the manufacturers service manual. We've found that removing the plastic cover over the frame rails and the lower air dam can be done with a #2 Phillips screw driver. Simply back out the push pins in the center of the retaining clips. If they will not back out, a panel clip tool, available at most auto parts stores, may be required. With these two panels off, the eight nuts that retain the bumper from the back side can be removed and the bumper along with tow hooks and inner bumper support can be removed. Note: if you have factory fog lamps be sure to disconnect the lights before removing the bumper. Simply twist the lights 1/4-turn and pull them out of the lamp housing.



STEP 2

With the factory front bumper and hardware removed you can begin the installation of your new PUREJEEP front bumper. First drill out the upper outside holes on each of the front bumper mounting flanges on the frame. These holes need to be drilled 9/16" to provide proper clearance for the new mounting bolts. Note that the passenger side hole is actually a slot and you will need to take care when drilling this hole as the drill will tend to grab.



STEP 3

With the holes drilled, install four of the button head bolts into the bumper mounting holes on the frame ends, two to a side. These bolts are installed from the back side and used to help with the install; they will be reversed and installed from the front later. DO NOT use the upper inner holes on each side as the bolts can not be removed after installing the winch. (This is only an issue when installing a Warn PowerPlant unit.)



Step 4

Place two spacer plates over the bolts in the bumper mounting flanges. Be sure to use one each of the 7/16 and 5/16 plates so that the stack is 3/4 of an inch on each side. The spacer have a taper and the wide side goes on the top.



Step 5 (No Photo)

The winch plate can now be installed over the spacer plates and Bolts.

Step 6

The 7/16-14 nut plates, PJ1000-Nut, must be installed in the sides of the under-rider bar side brackets. They are installed from the bottom, outside edge with the nut facing the outside. The nut plates will rest against the inside face of the bracket and use the lower hole to secure the winch plate.



STEP 7

Install a 7/16-14 x 1-1/2 bolt thru the winch plate lower tab and into the nut plate. Do not tighten at this time.



STEP 8

The winch can now be dropped onto the winch plate. It is suggested that you place a towel against the grill to help protect it during the winch install. Two people will make this task easier. Install the fairlead bolts with the threads facing outwards and then drop the winch into the space between the frame rails

STEP 9

The bolts can now be installed through the winch plate to secure the winch. When installing a Warn PowerPlant be sure to push the winch as far to the driver's side on the slots as possible.

STEP 10

Pull the winch cable through the cable slot in the winch plate and then install the bumper shell. Be sure to also pull the winch cable through the slot in the bumper face. The bumper will slip over the bolts that are in the frame mounting flanges facing outward.

Step 11A

If you are not using PUREJEEP D-ring shackle mounts, you will install the remaining bolts into the holes in the bumper face from the front side, pushing out the existing bolt used for setup that are facing outward. Then install these bolts in the remaining holes in the bumper face.

STEP 11B

If you are using PUREJEEP D-ring shackle mounts, you will use the 3-inch bolts provided with them. Place the D-ring Shackle mounts over the bolts facing out from the bumper. Now install two of the 3-inch bolts in the empty holes. Next install the remaining bolts into the holes in the bumper face from the front side, pushing out the existing bolts used for setup that are facing outward.

STEP 12

The bolts in the bumper face can now have the washers, locks washers and nuts installed on them and tightened. The bolts can be accessed from the back side using a selection of extensions as required. The two outer bolts and the inner, lower bolts can be tightened by reaching up from the bottom. The two inner-upper bolts are easy to access with all winch applications except the Warn PowerPlant. If using a Warn PowerPlant, the nuts can be accessed with a combination wrench from the upper winch opening, or from the backside with a socket. When this is done, tighten the two 7/16 bolts in the winch plate lower ears from the bottom, back side of the bumper

STEP 13

Install the Roller Fairlead and install the winch hook and wire the winch to the battery according the winch manufacturers recommendations.

Step 14 check that all the bolts are tight one last time and you are done with your installation.

