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Thank You for purchasing your JcrOffroad SWB rear bumper.

Please read the mounting instructions below carefully.

Installation of your SWB Rear Bumper

1. First start by removing stock bolts in the bumper or bumper-ettes, on TJ's there are 2 bolts on each side behind the bumper and one underneath on both sides. YJ's and CJ's only have 2 bolts on each side behind the bumper.
2. Once all bolts are removed, pull the bumper or bumper-ettes off.
3. Now you need to drill out the stock holes in the rear frame cross member to $\frac{1}{2}$ ".
4. Have someone help you bolt the bumper onto the outside holes (the ones you just drilled) loosely. With the bumper lined up correctly mark the inside holes with a marker or scribe.
5. Remove the bumper and drill the marked holes to $\frac{1}{2}$ "
6. Re-install the bumper.
7. Now that you have the bumper on, check all holes, if they all line up bolt it down, if not, mark where you need clearance and pull the bumper back off. You can drill the holes up to $\frac{9}{16}$ if necessary.
8. Once all the holes line up, use the new bolts provided and loosely bolt the bumper on with one bolt on each side.
9. Install the bottom bolts first, as they are usually the hardest line up.
10. The inside bolts are very tight if your jeep is equipped with a full size gas tank. You may need to hold the nuts with a pair of needle nose pliers to get them started. Technically these bolts are optional, but we **HIGHLY RECOMMEND** you take the time to install them.
11. Align bumper and tighten all bolts.



Figure 1



Figure 2

Tire Carrier Installation (If equipped)

1. Once everything is tight, you can install the swing arm assembly. It is as simple as just setting the swing arm over the spindle. Once this is done, there is a washer that goes on and then the castle nut screws onto the spindle. Place the cap on the swing arm and then grease it. (Figure 3)
2. Now it's time to install the latch. There are four pre drilled holes where the latch is to be mounted. Put the latch in place and use the 4 self tapers that are provided. Some adjustment of the latch will be necessary.
3. Unfortunately, these latches do not really snap into place. Use the d-ring pin provided to keep the latch from opening. If the latch is adjusted properly, there is no problem with it coming loose. (Figure 4)

Proceed to the trail and enjoy your new rear bumper.



Figure 3



Figure 4

Due to some difference in manufacturing; some holes may require extra clearance for all the holes to line up.
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