

2004 KJ and 2005 Gasoline KJ

All J Products Super Skid 2 Install Directions

1. Remove factory front skid, if equipped. The front skid will need to have the rear driver's side slot notched as in the picture below. If you previously has another skid plate installed this may be already done. You will be notching the angled corner of the front skid plate, which is the rear driver's side of the plate.



2. Remove the factory transfer case skid, if equipped. Remove the factory insert on the driver's side of the cross member if your KJ has this installed. If no skid is installed, you will find a hexagonal hole here. Once this hole is located and clear, use a 1/2" drill to drill up through the cross member through the top. **NOTE: Drill this hole as straight as possible, or the skid may be hard to install.** Also take care not to drill through into any vital components above the cross member.

NOTE: There are two different factory transfer case skids. One version has two holes matching the holes in the cross member. The other version only uses one hole and will need the edge notched to fit. See the picture below for the more common type of skid found on 2004 KJs.



3. Reinstall factory or other transfer case skid now. Reinstall only the side bolts holding the transfer case skid.
4. Now install the *All J Products KJ Super Skid 2* starting with the left rear carriage bolt going up. A jack or a friend (or maybe your friend is Jack, then you'll have both) will make this step easier. The left carriage bolt only will go through the *All J KJ Super Skid 2*, through the provided spacer, then the transfer case skid. You will add a lock washer and nut to the top of the cross member to secure. There are two extra 1/2" washers, these can be installed on top with the lock washer and nut, or to shim as needed.

5. **THIS IS STEP 5 FOR 2004 KJs:** Now move to the front of the skid. We have provided eight thick round spacers for you to use as needed. *You can use **one** of them, **two** of them, or **neither** of them based on your KJ's individual spacing needs.* If needed, you can place the desired number of round spacers between the *All J Products Super Skid 2* and the cross member. Once this is pushed up tight, reinstall the stock front skid over the *All J Products Super Skid 2*, which will be at the bottom closest to the ground. From the cross member down you will have the spacer, the All J Products KJ Super Skid 2 and the factory front skid at the bottom. Once the skids are in place, line up the provided 10mm x 50mm metric bolts, lock washer, and flat washer, and start them. Once all the bolts are in loosely, make sure the All J Products KJ Super Skid 2 is moved all the way forward. You can use a pry bar in the rear to push the skid forward. Once the skid is forward, snug the rear left side carriage bolt from the top, and then tighten the 10mm bolts in the front. The carriage bolts are tough to tighten, a ¾" wrench will fit, a stubby fits best. Once the skid is in place, drill the last passenger-side hole into the cross member. You will use the hold in the skid as a guide. Drill through both sides of the cross member, carefully and straight. Once this last hold is in, install the passenger-side carriage bolt and tighten both sides down. Now tighten down the front bolts. Your Super Skid 2 is now ready for action.

5. **THIS IS STEP 5 FOR THE 2005 GASOLINE LIBERTY.** Please note – On the 2005 gas KJ, one factory hole is not in the front cross member any longer. Where the angled mount is on the skid, drill through the hole into the cross member. Please be careful not to drill through anything behind the cross member / skid. **You can also add the hole to the skid to match the factory 05 hole in the cross member. This option is not as strong. Now move to the front of the skid. We have provided eight thick round spacers for you to use as needed. *You can use **one** of them, **two** of them, or **neither** of them based on your KJ's individual spacing needs.* If needed, you can place the desired number of round spacers between the *All J Products Super Skid 2* and the cross member. Once this is pushed up tight, reinstall the stock front skid over the *All J Products Super Skid 2*, which will be at the bottom closest to the ground. From the cross member down you will have the spacer, the All J Products KJ Super Skid 2 and the factory front skid at the bottom. Once the skids are in place, line up the provided 10mm x 50mm metric bolts, lock washer, and flat washer, and start them. Once all the bolts are in loosely, make sure the All J Products KJ Super Skid 2 is moved all the way forward. You can use a pry bar in the rear to push the skid forward. Once the skid is forward, snug the rear left side carriage bolt from the top, and then tighten the 10mm bolts in the front. The carriage bolts are tough to tighten, a ¾" wrench will fit, a stubby fits best. Once the skid is in place, drill the last passenger-side hole into the cross member. You will use the hold in the skid as a guide. Drill through both sides of the cross member, carefully and straight. Once this last hold is in, install the passenger-side carriage bolt and tighten both sides down. Now tighten down the front bolts. Your Super Skid 2 is now ready for action.

6. Go out and enjoy your new *All J Products KJ Super Skid 2* !!

Thank you for purchasing the strongest KJ Skid out on the market today! It is designed to provide years of protection for your Jeep. - All J Products

Please note: Due to variations in transfer case skids, exhaust systems on KJs, and bent cross members, etc., there may be small shimming or notching required. If you need assistance, please call All J Products at 909-370-4800.