



## **OSIRIS SKID PLATE INSTALL INSTRUCTIONS FOR B6 PASSAT**

### **Once you receive your new Osiris Skid Plate you should have these parts:**

- 1 Aluminum Skid Plate
- 2 Blue Steel Front Brackets
- 3 8x25mm Bolts
- 6 10x30mm Bolts
- 7 10x20mm Button Head Bolts
- 4 Hexagon Rivet-nuts
- 7 10mm Nuts
- 3 8mm Flat Washers
- 3 8mm Lock Washers
- 6 10mm Fender Washers
- 2 10mm Star Washer
- 1 10mm Small OD Flat Washer
- 13 10mm Lock Washers
- 2 10mm Polyethylene Spacers
- 1 Aluminum Rivet-nut Install Tool

### **Tools You Will Need:**

- Driver with 12 Inch Extension with Wobble End
- Metric Socket Set with Normal and Deep Sockets
- Torque Wrench
- Set of Metric Wrenches
- Car Ramps or Jack Stands with Jack
- Never Seize Compound
- Regular Lubrication Grease
- Torx Driver Set
- Allen Wrench Set

Now that you have familiarized yourself with the parts of the skid plate and prepared the tools you will need to do the job, you're ready to get started.

**Please Read:** In this install guide, I will be giving step by step directions on how to install just your new aluminum skid plate.

**Step #1:** Drive your car onto a set of ramps or jack your car up and place jack stands under your car. Also put your emergency brake on and block the rear tires (we recommend using both the ramps and the jack stands). Start by removing all of the Torx T25 screws holding the plastic skid plate onto the car under the engine. Remove the stock plastic skid plate.

**Step #2:** Now you will be installing the four rivet nuts on the upper front frame rails. This kit requires two rivet nuts to be installed on the drivers upper front frame rail and two on the passenger upper front frame rail. Start by assembling your rivet nut installation tool by taking the 10mm small OD flat washer and sliding it onto one of the 10mm bolts. Then insert the bolt through the hole of the 5" long rivet nut install tool. Now slide the 10mm star washer onto the bolt until it is against the tool. Next you will need to put some automotive grease onto the threads of the bolt for lubrication and then thread the hexagon rivet nut onto the bolt so it looks just like the following picture.

**Picture A:** Rivet nut install tool fully assembled and ready to go.



Starting with the passenger's side upper front frame rail, locate the two hexagon shaped holes in the frame as seen in the following picture. This is where the first two rivet nuts will be installed. If your car is the 2.0T you will want to temporarily remove the lower intercooler pipe to gain access here.

**Picture B:** Passenger side hexagon holes with one rivet nut already installed.



Now you will want to have your driver with 12" wobble head extension and 17mm socket on the end ready to go. Take your assembled rivet nut tool and insert the rivet nut into one of the hexagon holes in the frame. Next take your driver and tighten the bolt to a minimum of 25 lb-ft. Make sure that the head of the rivet nut stays tight and flush against the frame. Also before tightening the bolt, the rivet nut tool will need to be held in place so it does not turn. This can be done by hand or aligning the tool so it butts up against part of the car. When you have finished tightening to 25 lb-ft, start to remove the bolt while holding the install tool making sure it does not turn. Completely remove the bolt and install tool so the rivet nut is the only piece of hardware left seated in the frame. The rivet nut should be tight in the frame and not able to rock or spin. Follow the same steps to install the second rivet nut.

**Picture C:** How to install the rivet nut.



**\*Note:** If you don't have a 12" wobble head extension, you can remove both plastic side skirts instead. Removing them will give you full unrestricted access to the frame rails and can make the installation easier. There will be at least 8-10 Torx T25 screws holding each one on. This will make the install a little longer but may be the best option for some people.

**Set #3:** Now you will need to install the last 2 rivet nuts on the driver's side frame rail. Assemble the rivet nut tool with the next rivet nut just like before. Locate the 2 hexagon holes in the passenger side upper front frame rail as seen in the following picture. Install the rivet nuts exactly like you did in step #2.

**Picture D:** Showing one of the driver side hexagon holes.



**Step #4:** Next you will be installing the driver's side bracket on the frame rail. Take two of your 10x30mm bolts and slide a 10mm lock washer onto both bolts as well as a 10mm flat washer. Take some of your Never Seize compound and put a generous coating onto the threads of the bolts and place it nearby. Now take the blue bracket that has the U shaped cut out at the top plate and slide the bracket into position so the bracket angles in to the center of the car. Then take your assembled 10x30mm bolts and thread them hand tight through the two holes of the bracket and into the rivet nuts. Make sure the top of the bracket is slid as far as it can go towards the driver's side of the car to clear the lower rubber hose. Now tighten the 10mm bolt to 25 lb-ft.

**Step #5:** Now you will be installing the passenger side bracket. Get two of the 10x30mm bolts ready with the lock washer, flat washer and Never Seize compound on the threads just like in the last step. Take the other bracket and put it in position so that both holes in the bracket are over the two rivet nuts. Now take your two assembled 10x30mm bolts and thread them by hand into each rivet nut until it is snug. Now tighten the 10x30mm bolts to 25 lb-ft. Don't forget to reinstall the intercooler hose.

**Picture E:** Showing the driver with extension tightening one of the 10mm bolts.



**Step #6:** Next you will be bolting the front extension onto the bottom front edge of the skid plate. Place the skid plate on a bench with the front hanging over. Apply Never Seize Compound to all seven button head bolts. Then bring the extension up underneath the skid plate and run one button head bolt up through the center hole of the extension and the skid plate. Take a lock washer and slide it onto the bolt and then thread a 10mm nut onto the bolt until snug. Add the other six button head bolts with lock washers and nuts to secure the extension and then tighten all the nuts until the lock washer compresses.

**Step #7:** Now take the last two 10x30mm bolts and three 8x30mm bolts and put a lock washer, flat washer and Never Seize compound on the threads and place them within reach to install the skid plate. Take the skid plate with the stamp saying EVOLUTIONIMPORT.COM to the front of the car, lift the skid plate up into place and line up the driver hole at the front with the bottom of the bracket. Take one of the 10x30mm bolts and thread it 3 turns into the bracket. Next line up the rear holes with the 8mm holes in the sub frame and place the two white Polyethylene washers between the skid plate and sub frame on the drivers and passengers side only. The center 8mm hole does not require a spacer. Now thread all three 8mm bolts three turns into the sub frame. Now install the 10x30mm bolt into the passenger side bracket. Once all the bolts are in place, simply tighten by hand until they are snug. 25 lb-ft will be plenty tight enough for the 10mm bolts.

Congratulations, you are done.

If you have any questions or concerns while installing this skid plate, please only contact the distributor you bought it from or ourselves as we are by far the most qualified to answer your questions. 250-963-3232

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