



## **OSIRIS SKID PLATE INSTALL INSTRUCTIONS FOR B7 PASSAT**

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

- 1 Aluminum Skid Plate
- 2 Blue Steel Front Brackets
- 3 8x30mm Bolts
- 5 10x30mm Bolts
- 4 Hexagon Rivet-nuts
- 1 8mm Lock Nuts
- 4 8mm Flat Washers
- 3 8mm Lock Washers
- 6 10mm Fender Washers
- 2 10mm Star Washer
- 1 10mm Small OD Flat Washer
- 6 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 Large Metric Wrenches and Vise Grips
- Car Ramps or Jack Stands with Jack
- Never Seize Compound
- Regular Lubrication Grease
- Torx T25 Screwdriver
- Torx T30 Screwdriver (TDI only)

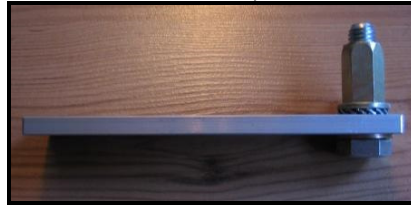
Now that you have familiarized yourself with the parts of the skid plate and prepared the tools you will need to do the job, you're ready to get started.

**Please Read:** In this install guide, I will be giving step by step directions on how to install just your new aluminum skid plate. If you own a TDI Diesel and wish to install the plastic skid plate on top of the aluminum skid plate you will need to make three minor cuts out of the plastic skid plate so the aluminum skid plate can easily bolt up to the lower sub frame of the car.

**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 & 30 screws holding the plastic skid plate onto the car. 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.



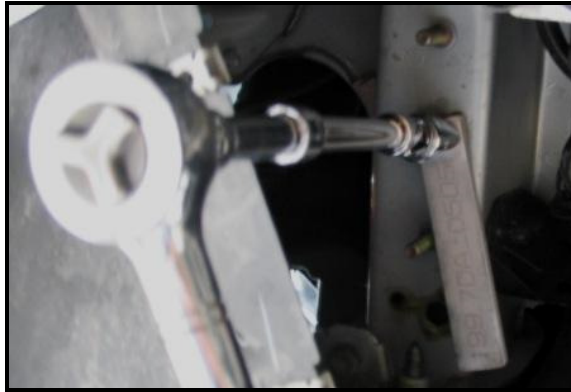
Starting with the passenger's side upper front frame rail, locate the two hexagon shaped holes in the frame as seen in the following picture. This is where the first two rivet nuts will be installed.

**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.

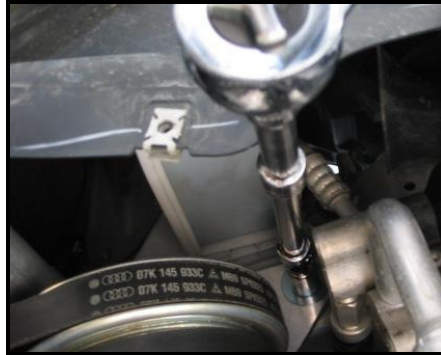
**Picture D:** Showing one of the driver side hexagon holes.



**Step #4:** Next you will be installing the driver's side bracket on the frame rail where you installed the first rivet nut. 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 near by. On the drivers side frame rail there will be one threaded stud hanging down that may have a plastic dust cap on it. Remove the dust cap and place it off to the side. Now take the bracket that has four holes in the top plate and slide the bracket into position so the front and back holes slide over the 8mm stud that hangs down. Then take your assembled 10x30mm bolts and thread them hand tight through the center hole into the rivet nut. Apply Never Seize compound onto the 8mm threaded stud that hangs down from the frame rail. Next you will need to slide an 8mm flat washer onto the stud and then thread an 8mm nut onto the stud as well. Thread the nut by hand to start it and then tighten to 15 lb-ft using a deep socket. 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.

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



**Step #6:** 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 drivers 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 and 15 lb-ft for the 8mm 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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