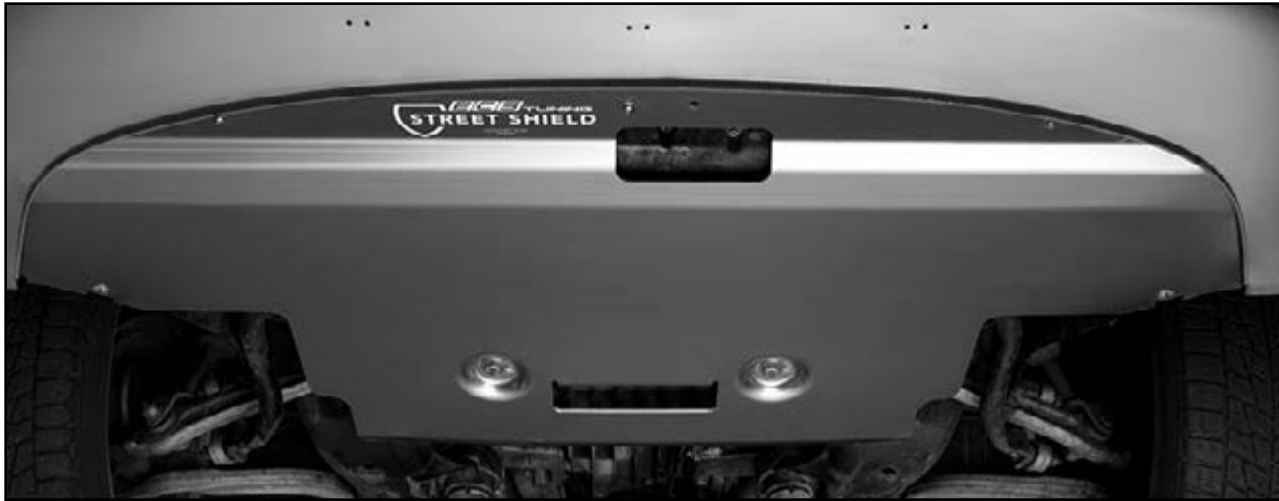




## Audi B5 S4 Street Shield Skid Plate Installation Instructions







Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

# INTRODUCTION

## Audi B5 S4 Street Shield Skid Plate ES#2864870

ECS Tuning Street Shield Aluminum Skid Plates offer the following features:

- Sturdy Aluminum construction
- In-house designed by ECS Tuning engineers
- Easy installation
- Shields come complete with all necessary mounting hardware
- Riv-nut tool included

EASY	MODERATE	ADVANCED	PROFESSIONAL
			
<b>BASIC SKILLS REQUIRED</b>	<b>SOME EXPERIENCE RECOMMENDED</b>	<b>ADVANCED SKILLS &amp; EXPERIENCE REQUIRED</b>	<b>PROFESSIONAL SKILLS &amp; SPECIALTY TOOLS REQUIRED</b>

Is your original engine shield missing? Are you concerned that it will not protect your engine and undercarriage from the abuse it will take from today's roads? Installing an ECS Tuning Street Shield Skid Plate is the answer. An easy afternoon project, installing one of our shields can be completed in about an hour of your time. Before you begin, read and familiarize yourself with these instructions and make sure you have all the required tools on hand. Thank you for purchasing our ECS Tuning Street Shield Skid Plate. We appreciate your business!

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## AUDI B5 S4 STREET SHIELD SKID PLATE KIT CONTENTS



Street Shield Skid Plate



Quarter-Turn Screws (4)



M10 x 30 Bolts w/washers (2)



Side Brackets (2)



Riv-Nut Installation Tool and Riv-Nuts (2)



Skid Plate Front Edge Hardware Kit



Quarter-Turn Clips (4)

## REQUIRED TOOLS

Note: The tools required for each step will be listed by the step number throughout these instructions.

Below is a list of the tools we used to install the Audi B5 S4 Street Shield Skid Plate. Additional tools may be required for any issues that arise during installation such as rust, corrosion, or broken and stripped fasteners.

- 3/8" Drive Torque Wrench ..... Available at [ecstuning.com](http://ecstuning.com) ..... [ES#2221245](#)
- Flat Blade Screwdriver(s) ..... Available at [ecstuning.com](http://ecstuning.com) ..... [ES#2225921](#)
- 3/8" Sockets: 10mm, 17mm ..... Available at [ecstuning.com](http://ecstuning.com) ..... [ES#2763772](#)
- Wrenches: 18mm ..... Available at [ecstuning.com](http://ecstuning.com) ..... [ES#2765907](#)
- 3/8" Deep Sockets: 18mm
- 3/8" Drive Ratchet, Extensions
- Crescent Wrench
- Hex Bit (Allen) Wrench: 4mm

## SHOP SUPPLIES AND MATERIALS

- Hand Cleaner/Degreaser ..... Available at [ecstuning.com](http://ecstuning.com) ..... [ES#2167336](#)
- Shop Rags ..... Available at your local auto parts store

## INSTALLATION NOTES

- RH refers to the passenger side of the vehicle.
- LH refers to the driver side of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process before you begin.

## GENERAL PREPARATION AND SAFETY INFORMATION

ECS Tuning cares about your health and safety. Please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- Always wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- If using an automotive lift, be sure and utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- When lifting a vehicle using a jack, always utilize the factory specified lift points. Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear. Always support the vehicle with jack stands.
- Always read and follow all safety information and warnings for the equipment you are using.



Never get underneath a vehicle that is supported only by a jack. Always make sure that the vehicle is securely supported on jack stands.



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 1:

Safely raise and support the vehicle.



### Step 2: Flat Blade Screwdriver

Remove all of the original fasteners and remove the insulation panel from underneath the front of the vehicle.



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 3: 10mm Socket, Ratchet

Remove the insulation panel support bracket by removing the two mounting bolts (arrows).



### Step 4:

Locate the two hex shaped holes in the subframe.

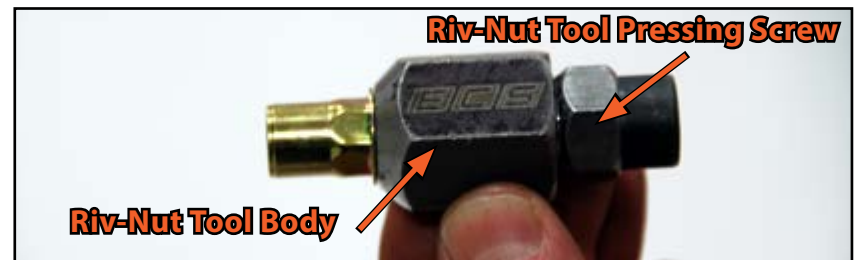




## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 5:

Prepare a riv-nut for installation by threading it onto the center screw of the tool until it is fully seated. Also, familiarize yourself with the Riv-Nut tool terminology as shown in the picture.



### Step 6:

Insert the riv-nut into one of the hexagon shaped holes in the subframe (identified in step four).



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 7: Crescent Wrench, Torque Wrench, 18mm Deep Socket

Make sure the riv-nut is pressed in flush with the subframe, then while holding the tool body stationary with a wrench, torque the pressing screw in a clockwise direction to 27 Nm (20 Ft-Lbs).



### Step 8: 18mm Wrench

Loosen the riv-nut tool by turning the pressing screw counter-clockwise, then unthread the center screw from the riv-nut and remove the tool. The installed riv-nut should be flush with the subframe as shown in the picture on the right.



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

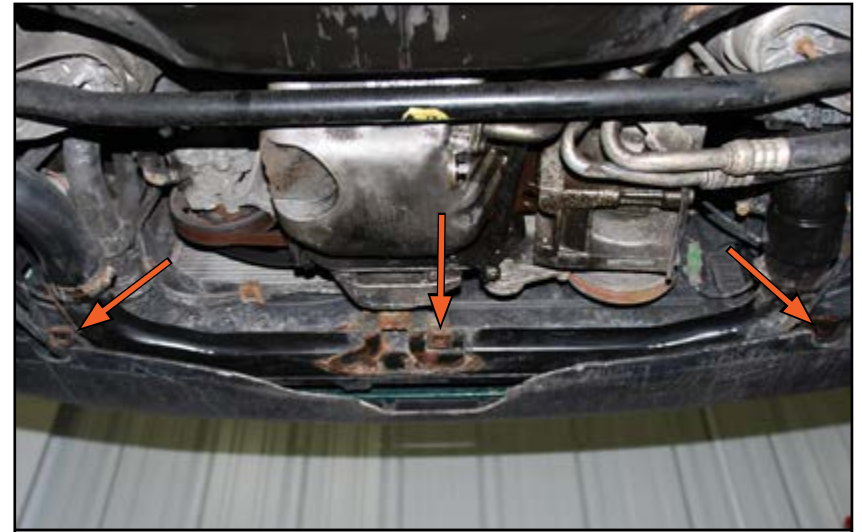
### Step 9:

Repeat steps five through eight to install the second riv-nut.



### Step 10:

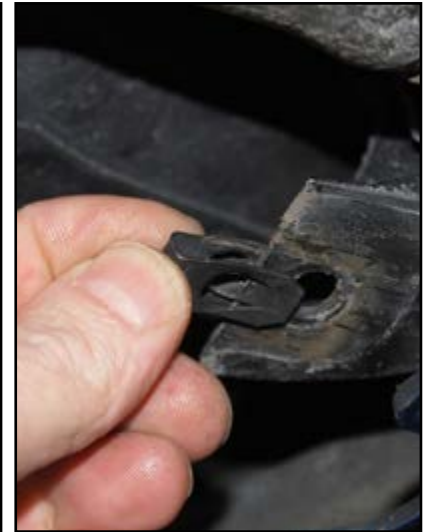
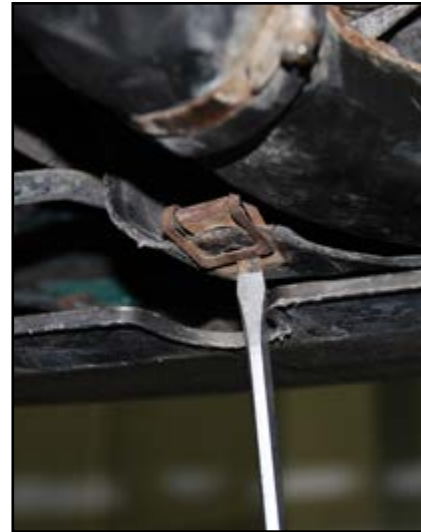
Locate the three original insulation panel mounting clips at the front of the vehicle.



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

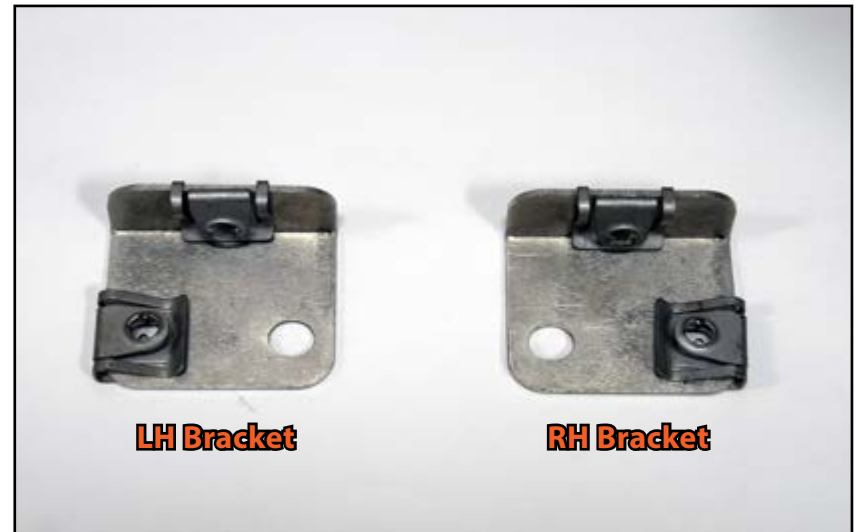
### Step 11: Flat Blade Screwdriver

Pry each original clip off and replace it with a new one from the Front Edge Hardware Kit. The new clips will simply slide in place. Make sure the threads on the new clips are facing up.



### Step 12:

Install two 1/4 turn clips onto each side bracket as shown. Both brackets are the same, but once the clips are installed there will be a left and a right.





## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 13: Flat Blade Screwdriver

Mount each assembled side bracket to the front face of the left and right fender liners, using the outermost hole in each as shown in the picture. Use a quarter-turn screw to secure each bracket.

#### NOTE

Install these screws by inserting them into the clip, then turning them 1/4 turn until they are locked. Once you feel them stop turning, they are fully engaged into the clip. It is not necessary to tighten them any further.



### Step 14:

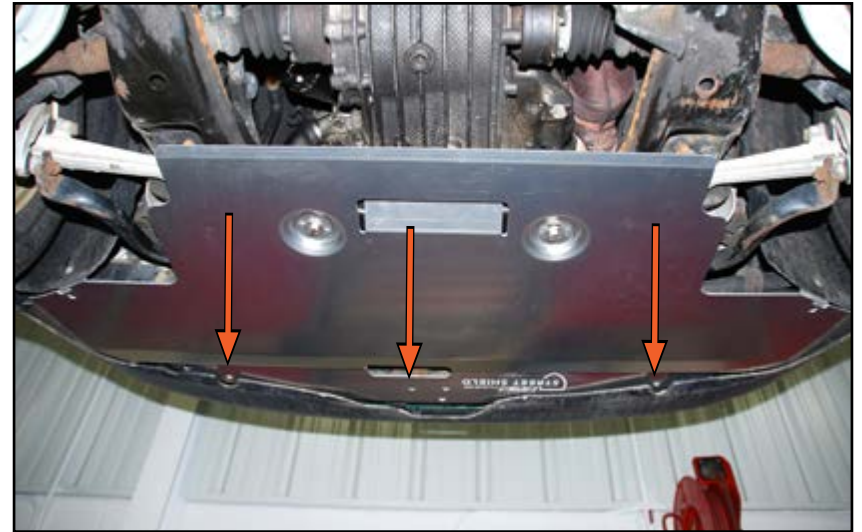
Guide the front of the skid plate into place above the lower lip of the bumper cover, then adjust it into position and loosely thread the two main bolts into the riv-nuts in the subframe.



## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 15:

Inspect the picture on the right. The three locations indicated by the arrows are the front edge mounting points for the skid plate. These locations coincide with the clips installed in steps 10 and 11. A spacer must be used in each of these three locations between the skid plate and the mounting clip.



### Step 16: 4mm Hex Bit (Allen) Wrench

Using the remaining parts from the Front Edge Hardware Kit, guide a spacer above the skid plate in each location, then install a washer onto each M6 x 30 screw and install the screw through the skid plate and spacer and thread it into the clip. Once all three spacers are installed, tighten all three bolts.

#### TECH TIP

The easiest method for installing these spacers is to position them above the hole, then use a small screwdriver to center them before inserting the screw.





## INSTALLING THE B5 S4 STREET SHIELD SKID PLATE

### Step 17: Flat Blade Screwdriver

Install a quarter-turn screw through the skid plate into each of the side brackets in the locations indicated by the arrows.



### Step 18: Torque Wrench, 17mm Socket

Torque the main bolts to 27 Nm (20 ft-lb).



## Your Audi B5 S4 Street Shield Skid Plate installation is complete!



These instructions are provided as a courtesy by ECS Tuning.

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