

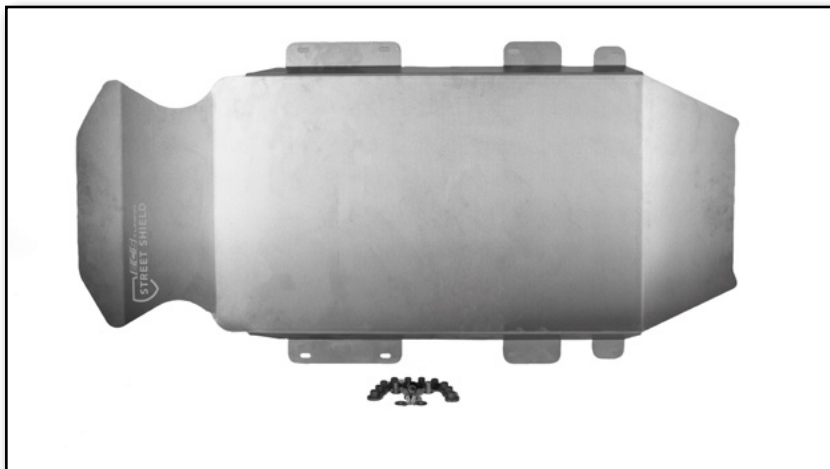


## Audi B8 Tunnel Street Shield Installation Instructions - [ES3610307](#)



**Skill Level 1 - Easy**

**Basic Skills  
Required**



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

### The Project:

Today we're going to install our new Audi B8 Tunnel Street Shield. This tunnel shield is the perfect compliment to our Street Shield Skid Plate which can be found on our website by clicking [HERE](#). We'll be working on our B8 S4, but the installation procedure is the same for the B8 A4 as well. This only requires a few basic tools, and will only take about 30 minutes of your time. We'll be using an automotive lift for this job, but you can do this in your garage or driveway as long as the vehicle is safely supported from below. You'll need to lift the front and back of the vehicle up in order to install the tunnel brace.



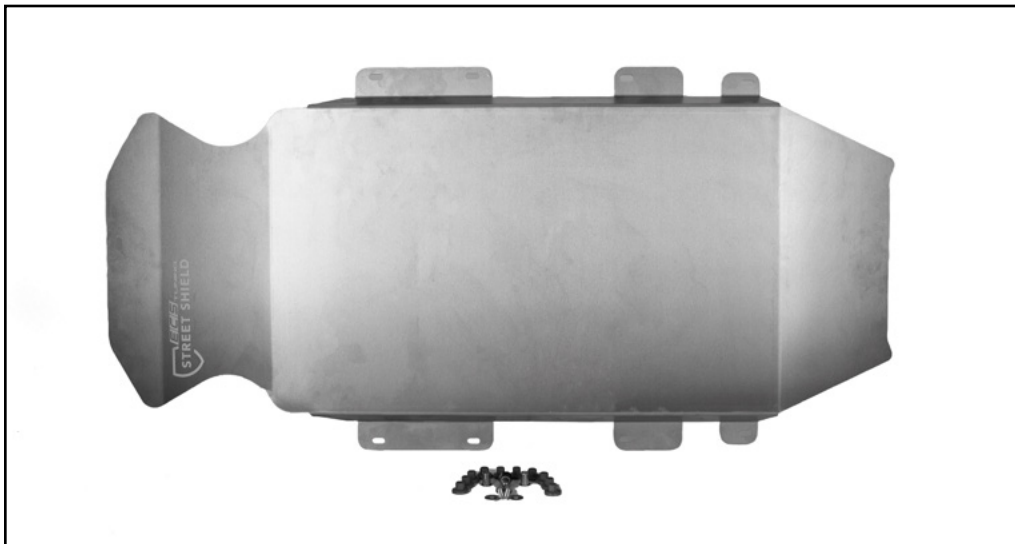
Here's all the tools you'll need for this job:

1. 10mm Socket & Ratchet
2.  $\frac{3}{8}$ " Torque Wrench
3. 4mm Hex (Allen) Key
4. Electric Drill &  $\frac{25}{64}$ " Drill Bit
5.  $\frac{9}{16}$ " Wrench

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## KIT CONTENTS



Tunnel Street Shield w/ Hardware

## 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.



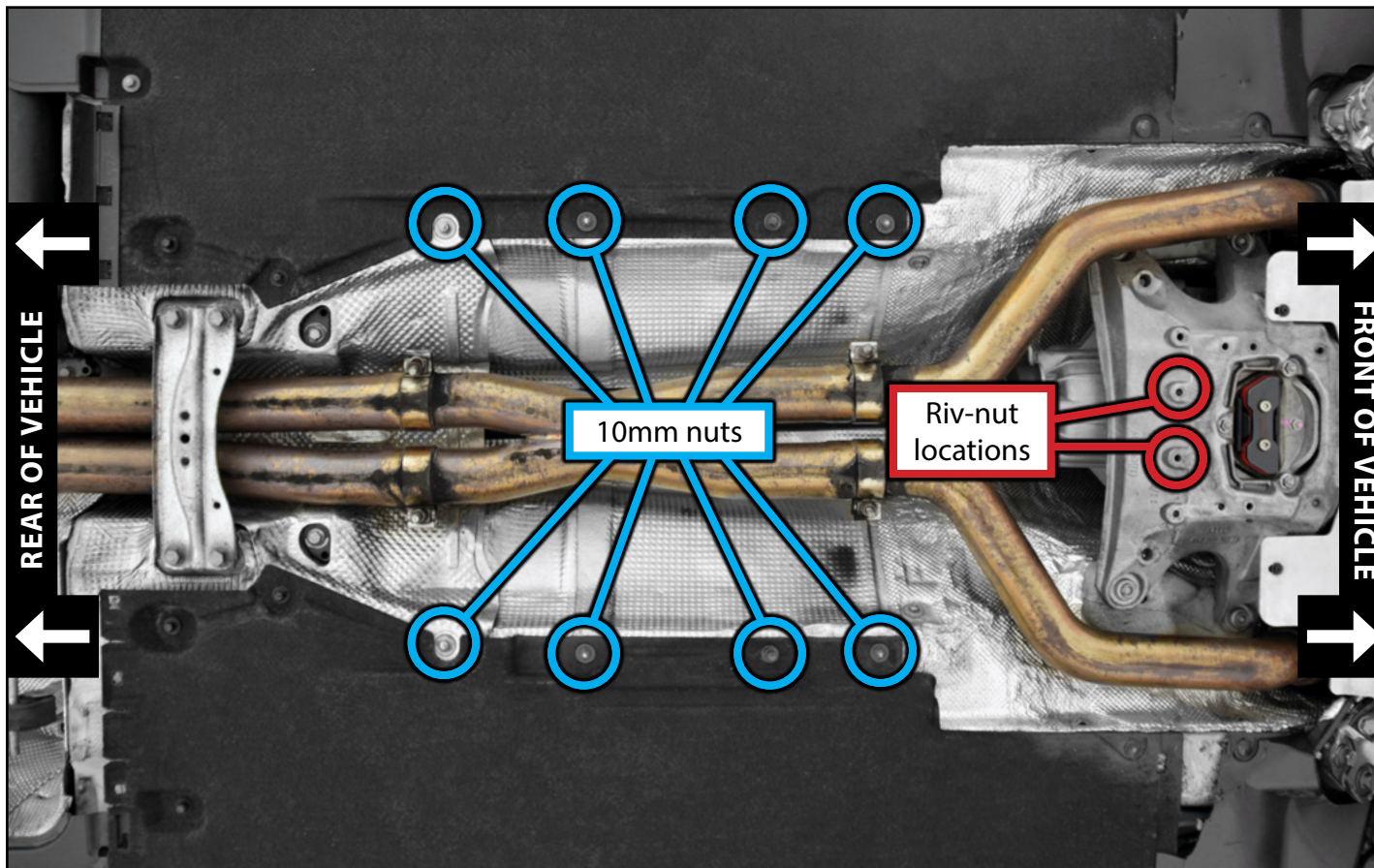
**NEVER** get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.



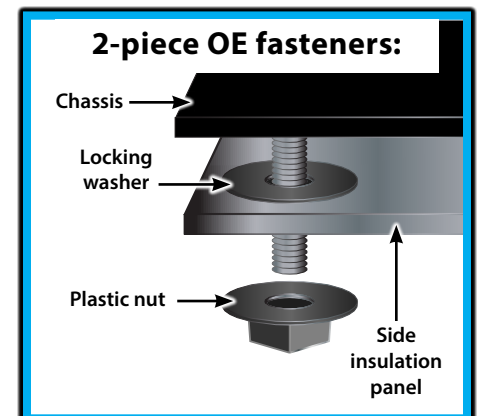
## INSTALLING THE NEW TUNNEL STREET SHIELD

### Step 1: 10mm Socket & Ratchet

First, remove the eight 10mm plastic nuts (circled in **BLUE** in the photo below) from the two side insulation panels. Depending on your vehicle you may find that there are black 2-piece nuts installed in these locations. These fasteners feature a locking washer which rests on top of the OEM insulation panel, pop the fastener apart with a flat head screwdriver and make sure you remove that locking washer. Take note of the locations which are circled in **RED** in the photo. These are the locations where we will be installing the riv-nuts on Pages 6-7.



- 10mm nut (**QTY 8**)
- Riv-nut location (**QTY 2**)

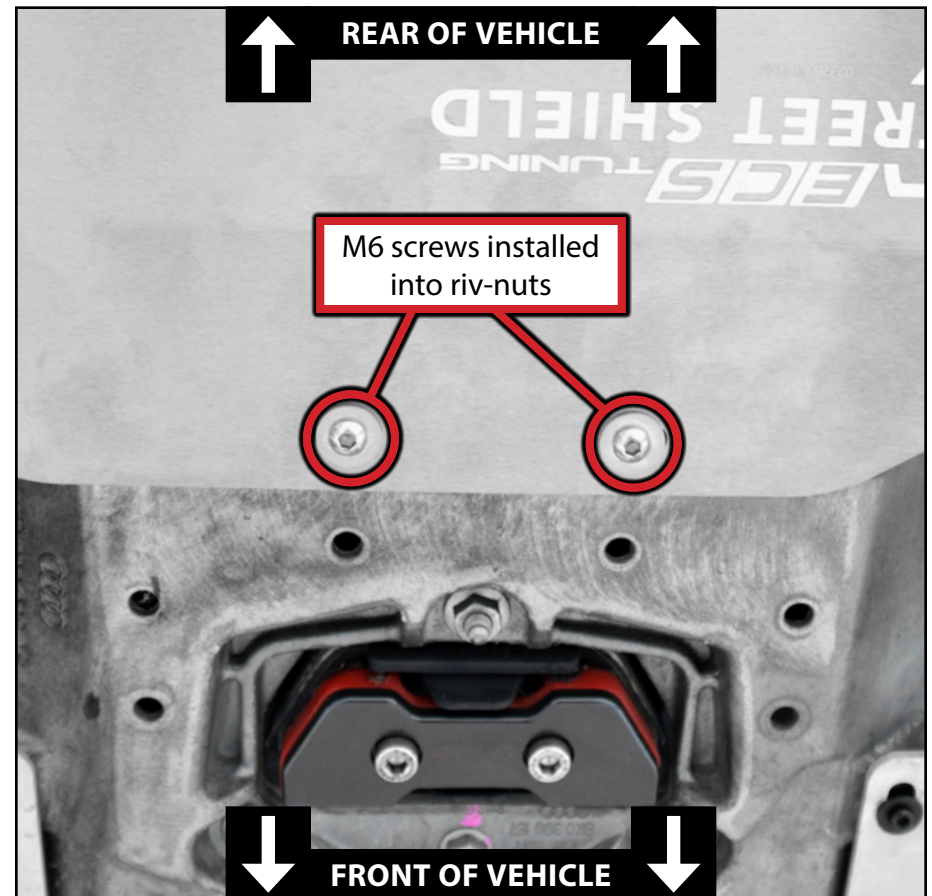
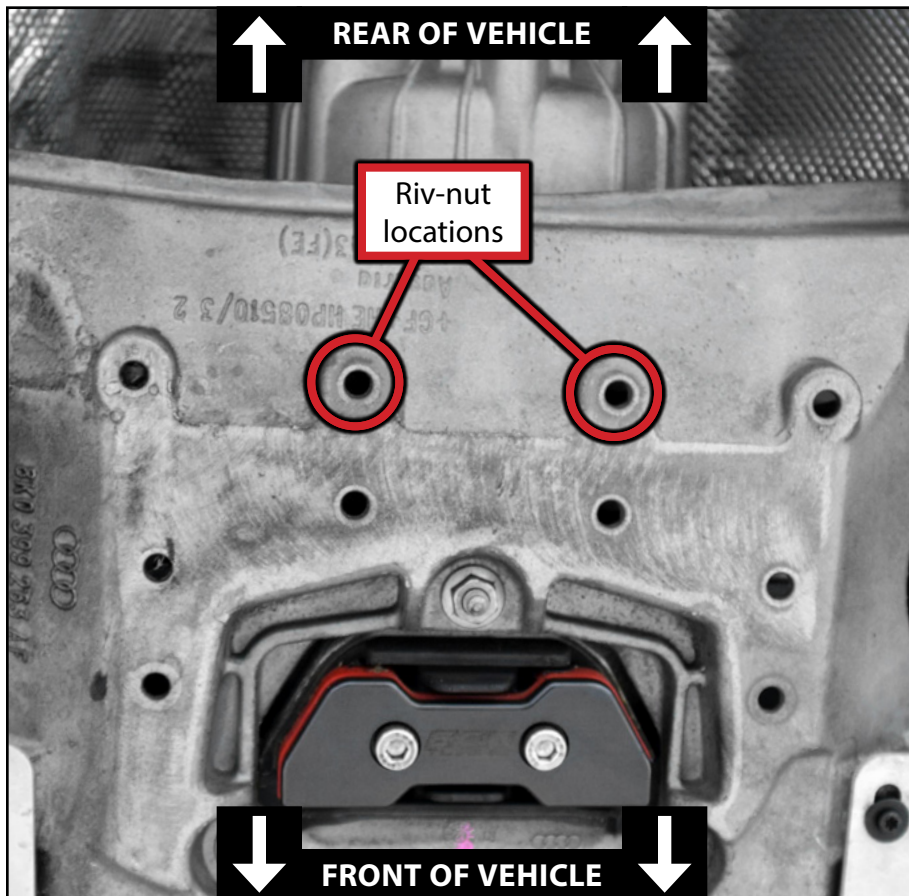


## INSTALLING THE NEW TUNNEL STREET SHIELD

### Step 2:

Pay close attention to the location of the two mounting holes which are circled in **RED** in the LH photo below. These are the locations where we will be installing the riv-nuts on the following page.

**NOTE:** You can also lift the tunnel shield into position to help identify which holes we need to install riv-nuts into.

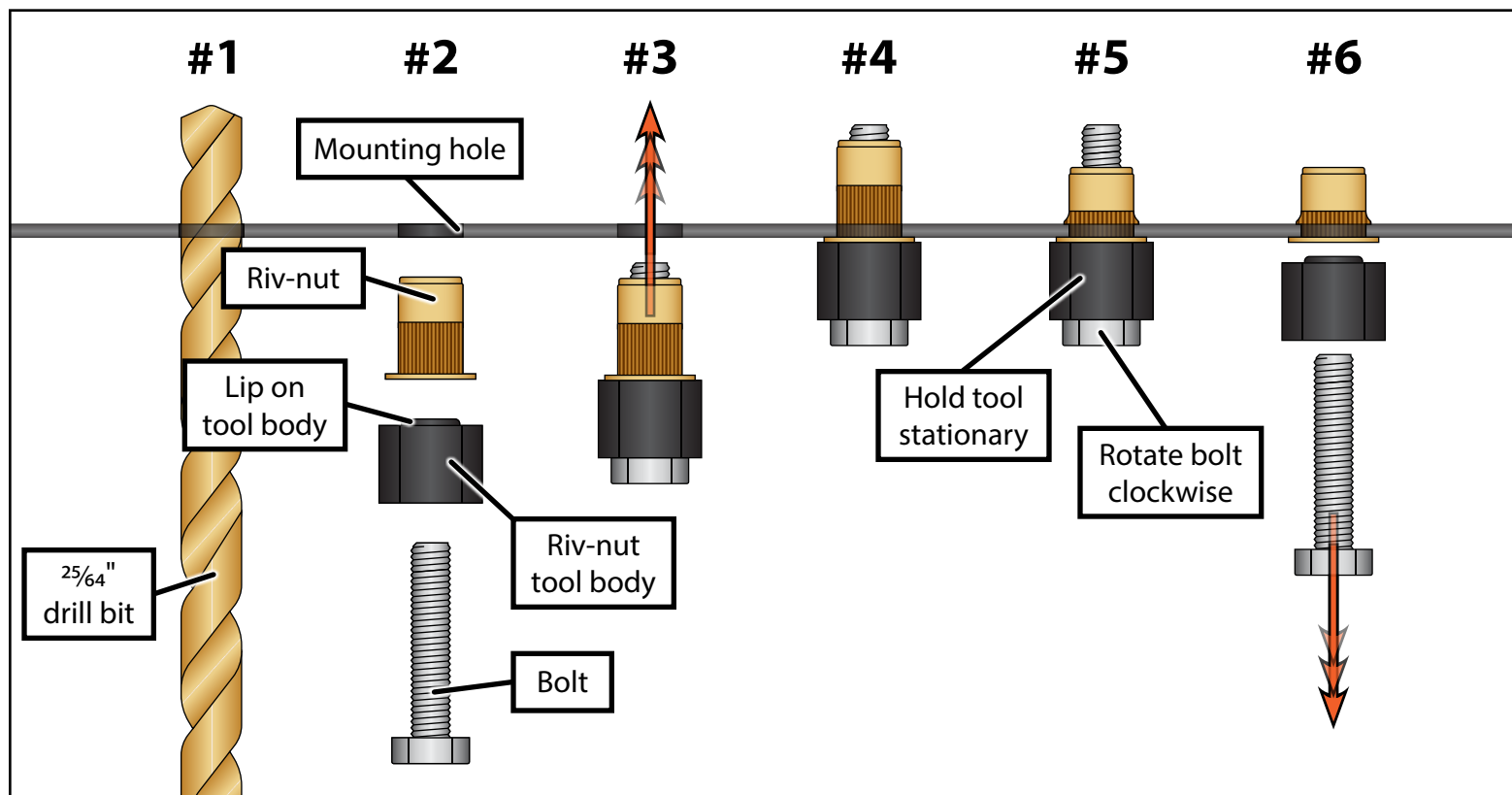


## INSTALLING THE NEW TUNNEL STREET SHIELD

**Step 3:** 10mm Socket & Torque Wrench,  $\frac{9}{16}$ " Box End Wrench or Crescent Wrench

**NOTE:** The riv-nut tool which is included in this kit will come assembled with an uncoated riv-nut for shipping only. Discard this riv-nut and replace it with one of the new zinc-plated riv-nuts.

Prepare the mounting hole by drilling it out using a  $\frac{25}{64}$ " drill bit (#1). Be sure to apply paint to the hole after drilling to prevent corrosion. Align the lip on the riv-nut tool body with the flanged side of the riv-nut (#2), then thread the bolt through the tool body and into the riv-nut by hand until it is fully seated (#3). Insert the riv-nut into the mounting hole, making sure that it is fully seated (#4). Next, while holding the tool body stationary with a wrench, rotate the bolt clockwise to expand the riv-nut (#5). Torque the bolt to 15 Nm (11 Ft-lbs), then remove it and repeat this procedure to install the other riv-nut (#6).



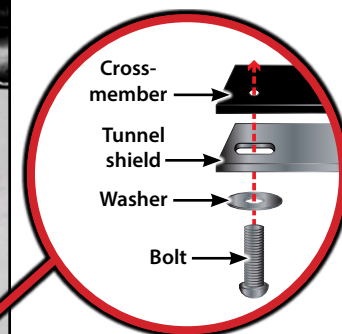
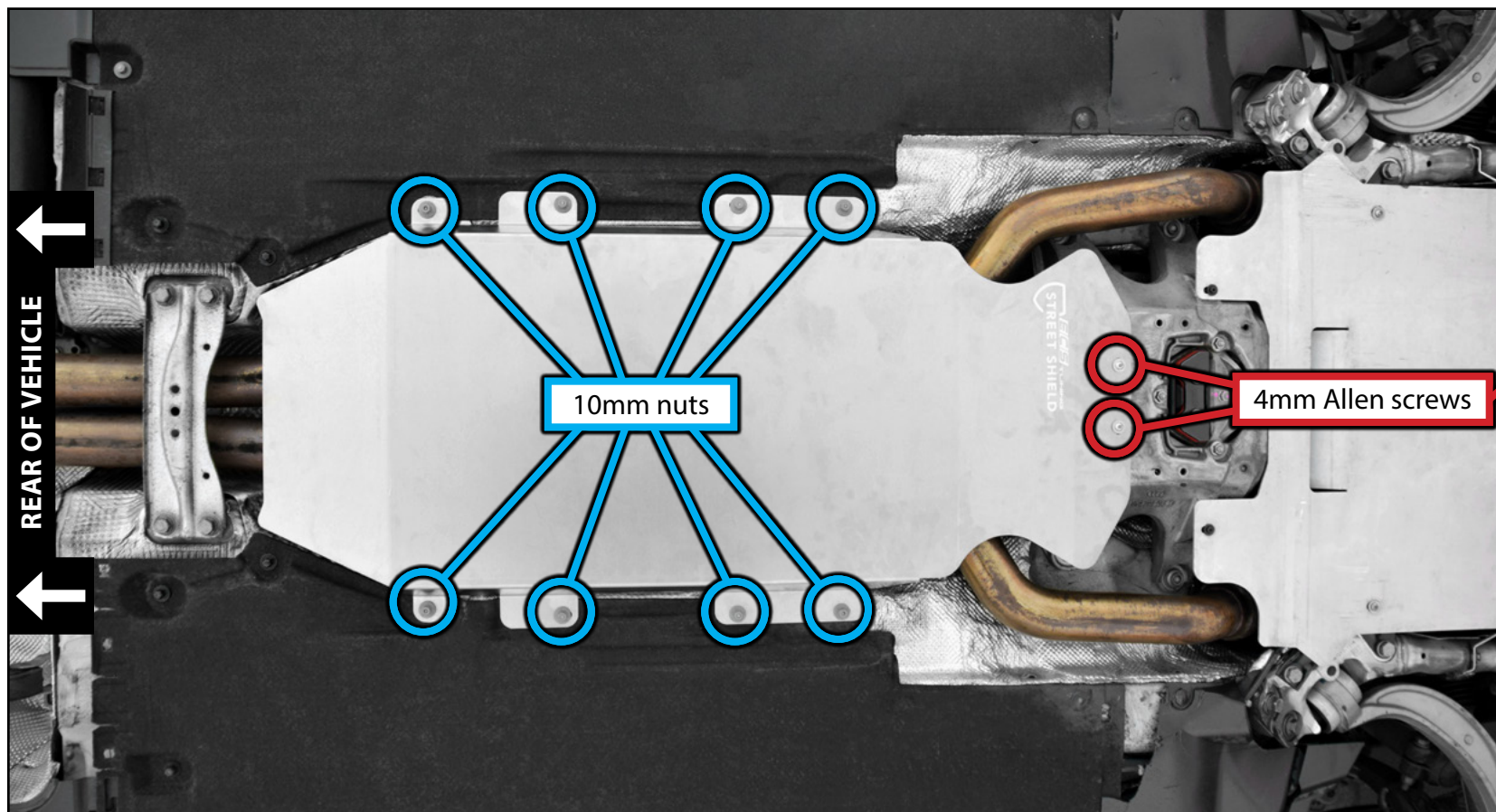


## INSTALLING THE NEW TUNNEL STREET SHIELD

**Step 4:** 10mm Socket & Ratchet, 4mm Hex (Allen)

Lift the tunnel shield into position while you install all of the fasteners using the photo below and the color guide on the right it as a reference, then hand tighten them.

- 10mm nut (**QTY 6**)
- 4mm Allen screws (**QTY 2**)

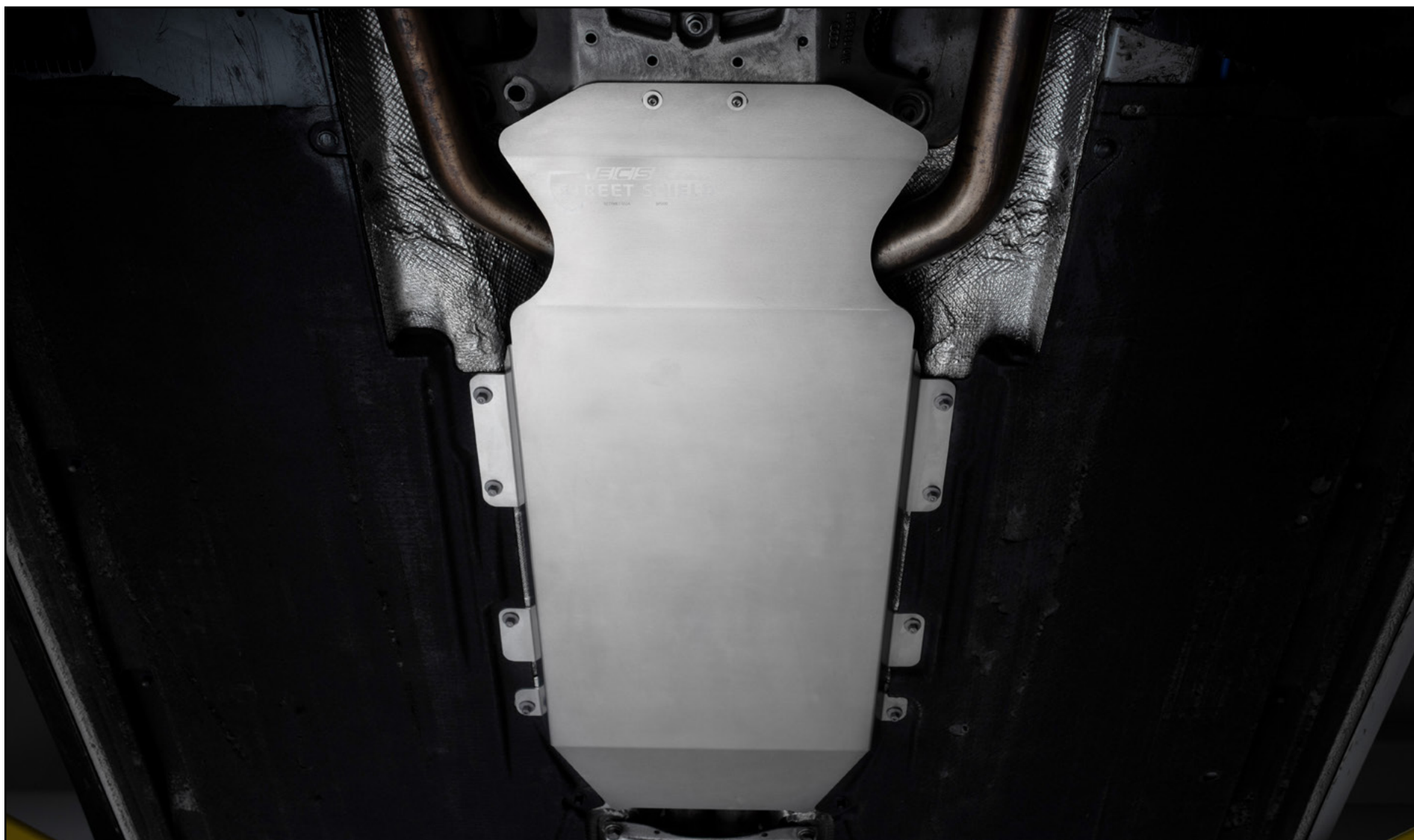




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## Your Tunnel Street Shield installation is complete!



### These instructions are provided as a courtesy by ECS Tuning

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.

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