

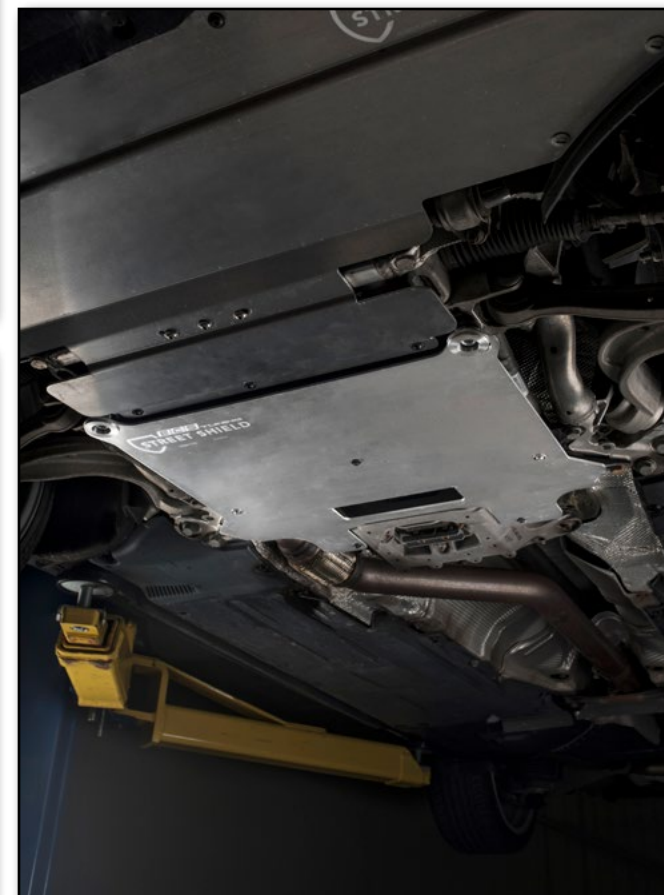
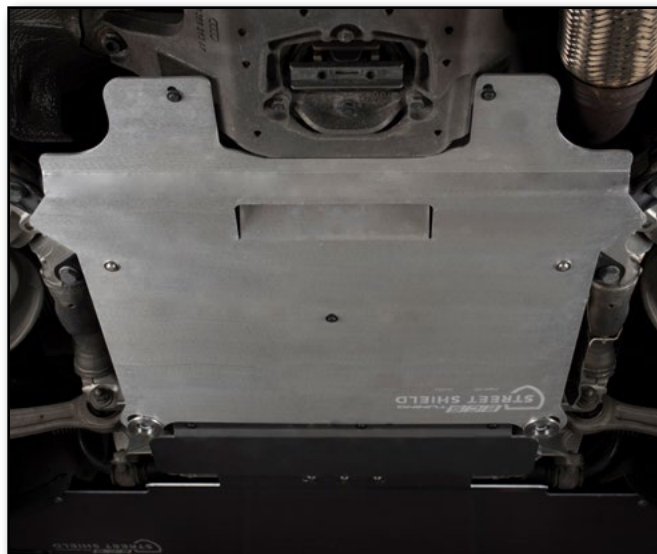


Audi B8 Transmission Street Shield Installation Instructions - [ES3411961](#)



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 Transmission Street Shield. We'll be working on our B8 A4, but the installation procedure is the same for the B8 S4/S5 and the B8 A5 as well. This only requires a few basic tools, and will only take about 30 minutes of your time. We are installing it on a lift, but all you really need is a little extra room under the front so whether you support your car on jack stands or drive it up on ramps, you'll have plenty of room.



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

1. 1/4" Drive 8mm Socket & Ratchet
2. 3/8" Drive 10mm Socket & Torque Wrench
3. 9/16" Wrench (or crescent wrench)
4. 1/2" Drive M14 Triple Square Socket
5. 1/2" Drive 18mm Socket
6. 1/2" Drive Breaker Bar & Torque Wrench
7. 4mm Hex (Allen) Key
8. Hydraulic Jack and Jack Stands (not shown)

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KIT CONTENTS



B8 Transmission Street Shield



Hardware Kit

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.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and 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 TRANSMISSION STREET SHIELD

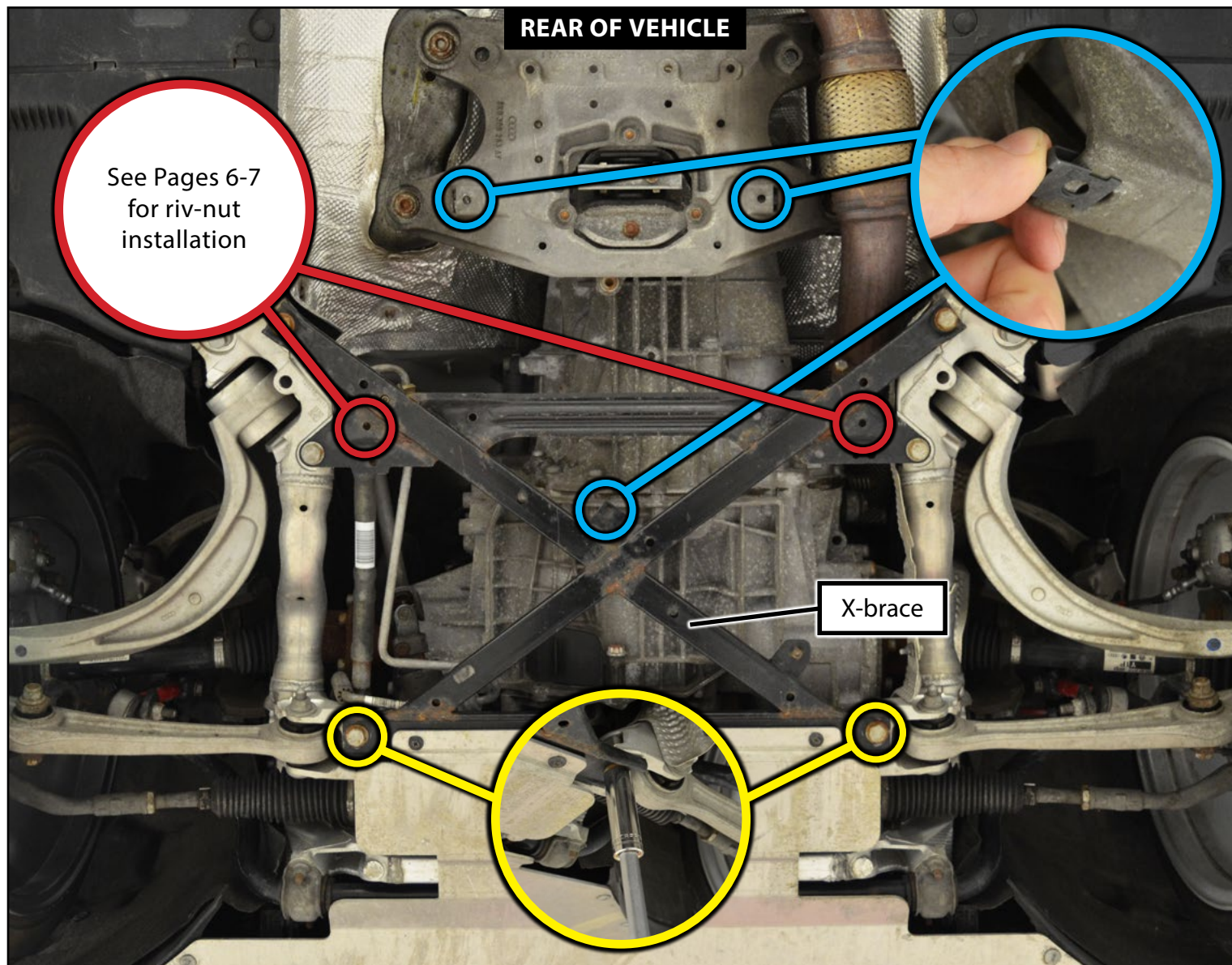
Step 1:

First, remove the OEM insulation panel under the transmission (if equipped).

Next, install the supplied speed nuts at the three locations circled in **BLUE** in the photo on the right.

Now, remove & discard the 18mm bolts which are circled in **YELLOW**, they will be replaced with the new street shield M12x51mm bolts.

Finally, observe 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.



INSTALLING THE TRANSMISSION STREET SHIELD

Step 2: Power Drill, $\frac{25}{64}$ " Drill Bit

Drill out the holes which were highlighted in **RED** on Page 5 to $\frac{25}{64}$ ". Use caution during this step to prevent the drill bit from accidentally damaging any neighboring components.



Be sure to drill into the correct holes in the X-Brace (identified on Page 5). These are the lowest lying holes on the X-brace, so when the street shield is installed there will not be a gap between the shield and the X-brace.

Step 3:

Apply a coating of paint inside the hole for corrosion protection.

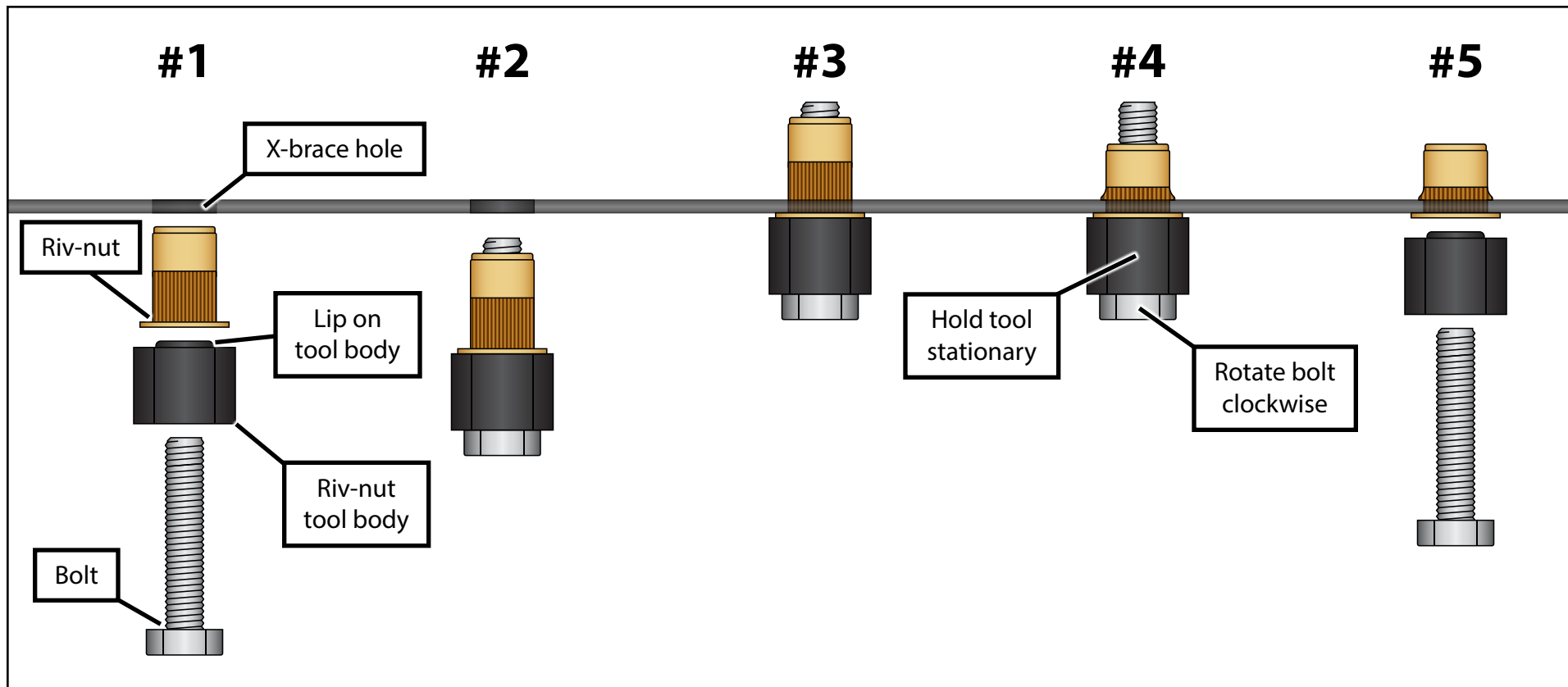


INSTALLING THE TRANSMISSION STREET SHIELD

Step 4: 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.

Align the lip on the riv-nut tool body with the flanged side of the riv-nut (#1), then thread the bolt through the tool body and into the riv-nut by hand until it is fully seated (#2). Insert the riv-nut into the correct hole in the X-brace as identified on Page 5, making sure that it is flush (#3). Next, while holding the tool body stationary with a wrench, rotate the bolt clockwise to expand the riv-nut (#4). Torque the bolt to 15 Nm (11 Ft-Lbs), then remove it and repeat this procedure to install the other riv-nut (#5).

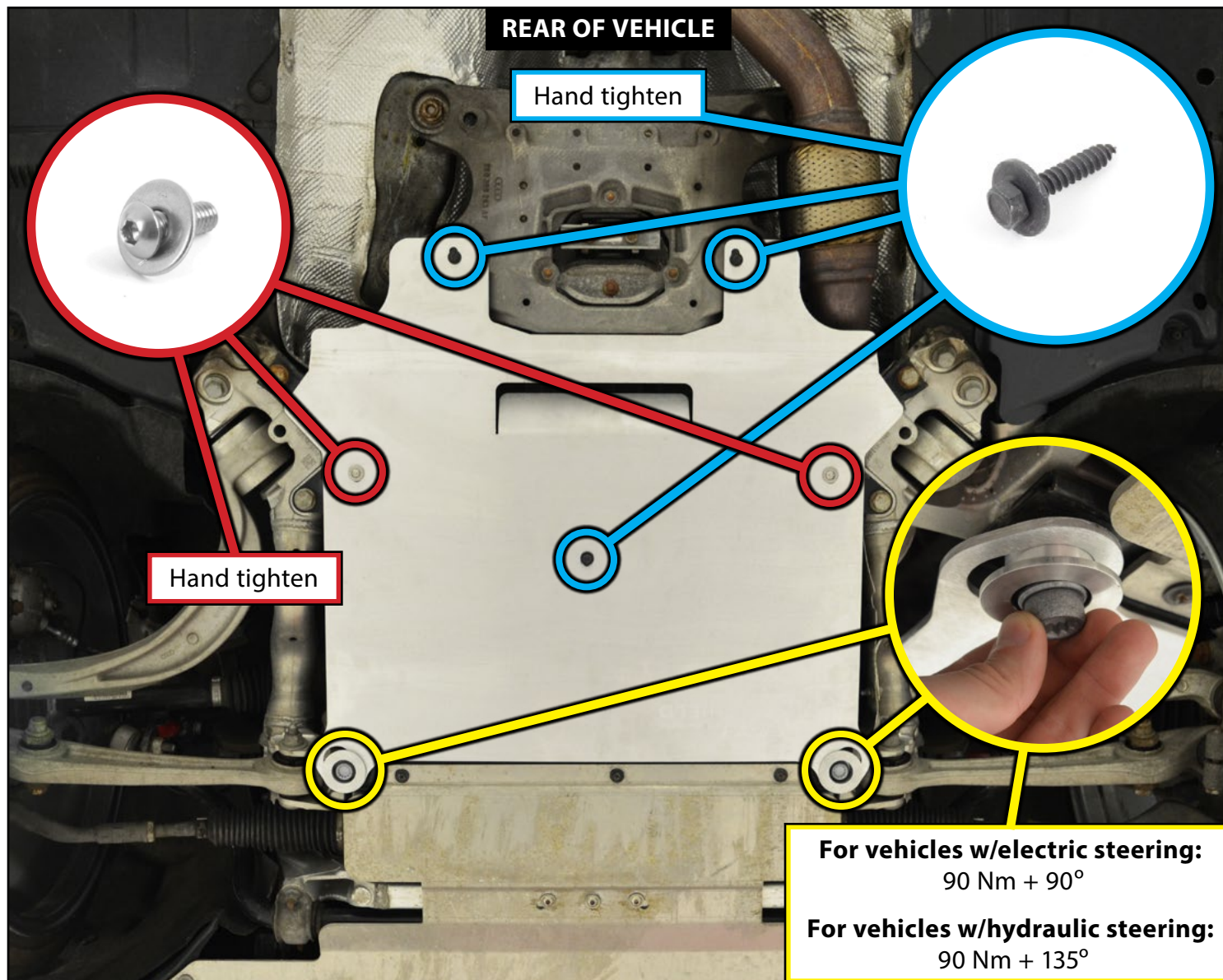


INSTALLING THE TRANSMISSION STREET SHIELD

Step 5:

Install the street shield into place using the supplied fasteners in the locations shown. Hand tighten the 4mm allen screws (circled in **RED**) and the 8mm hex screws (circled in **BLUE**) until they are snug, there is no need to overtighten them. Pay close attention to the 8mm hex closest to the center of the skid plate, there is a gap between the shield and the X-brace here and over tightening this screw will likely strip out the speed nut.

Thread the two M12x51mm bolts (circled in **YELLOW**) through the aluminum spacers into the subframe by hand. Torque them to the specifications provided.

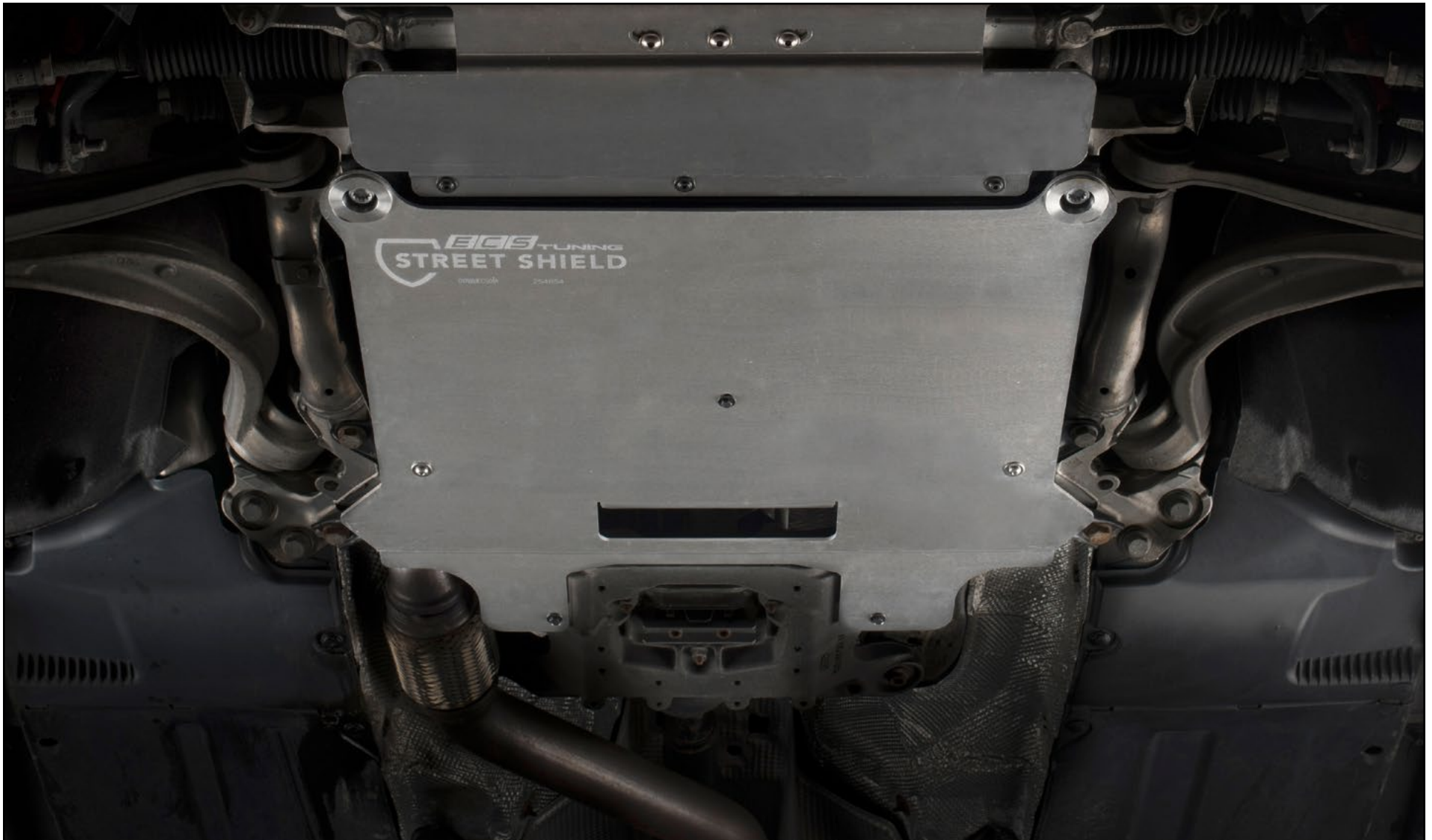


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Your Transmission Street Shield installation is complete!



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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