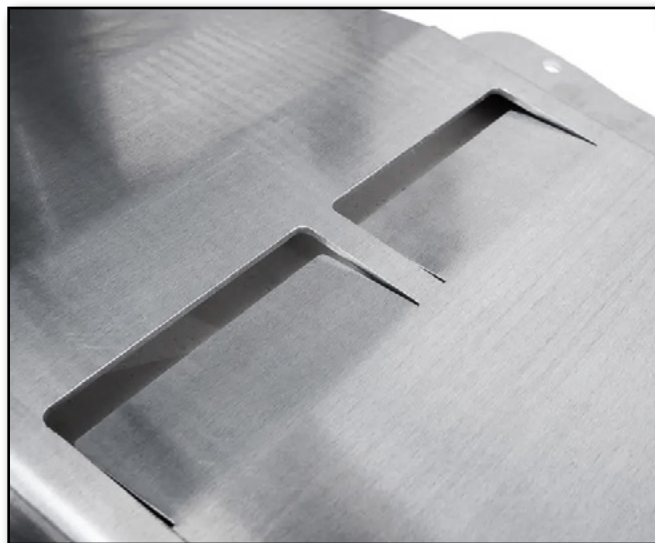
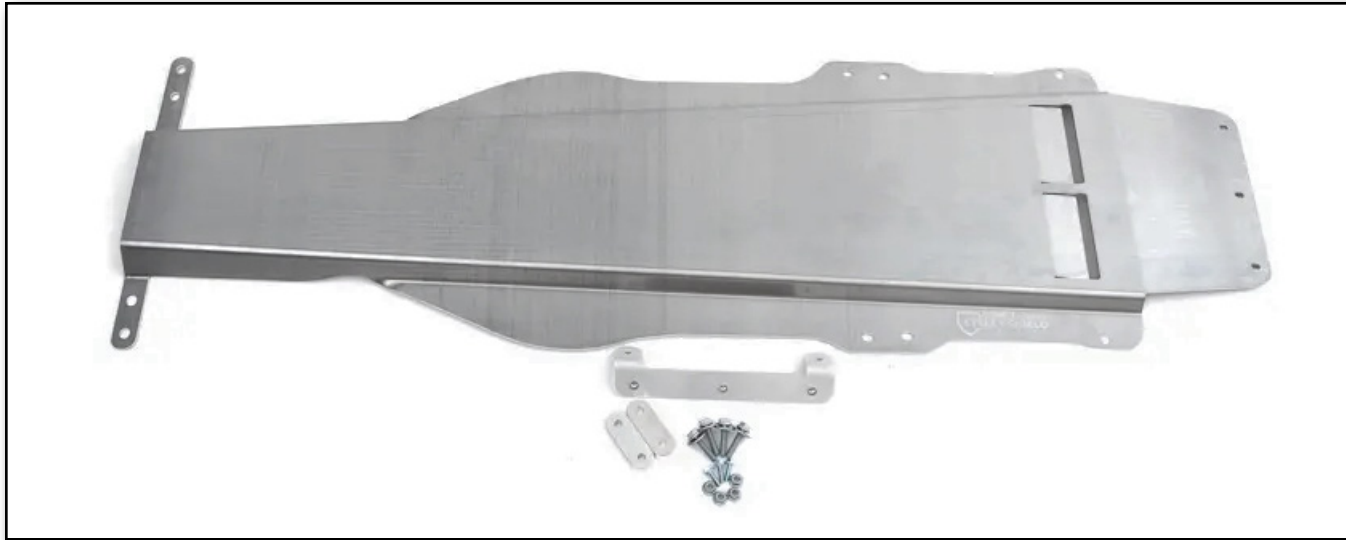




## VW MK7 Jetta Street Shield Tunnel Brace Installation Instructions - [ES4034862](#)



**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

Today we are installing our Street Shield Tunnel Brace for the VW MK7 Jetta. Our engineers have meticulously designed this tunnel brace to provide superior fitment and extreme protection for the underside of your vehicle. This shield utilizes factory mounting locations and requires no modification to your vehicle in order to install it. Installation is completely reversible, and can be easily completed in under an hour and requires no special tools, so no matter your skill level you'll find this install to be fun and easy. Thank you for choosing ECS Tuning for the protection of your vehicle, we appreciate your business.

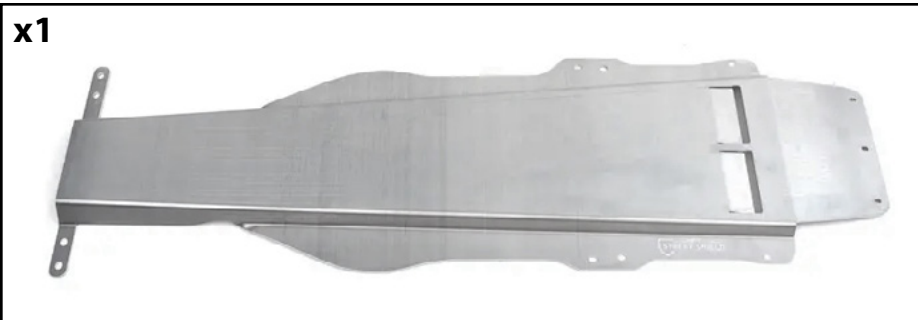


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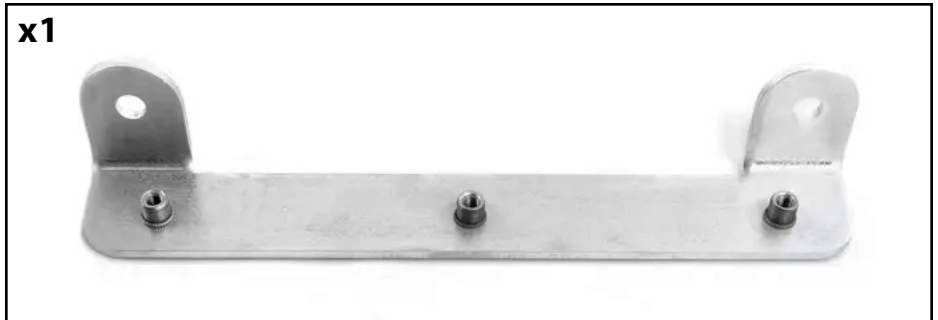
## KIT CONTENTS

**x1**



Street Shield Tunnel Brace

**x1**



Front Bracket

**x2**



Aluminum Spacer

**x4**



M8 Bolt

**x4**



M8 Flange Nut

**x3**



M6 Bolt

## REQUIRED TOOLS

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

### Standard Automotive Tools

- Protecta-Sockets (for lug nuts)..... [ES#2221243](#)
- **3/8" Drive Ratchet**..... [ES#2765902](#)
- **3/8" Drive Torque Wrench**..... [ES#2221245](#)
- **3/8" Drive Deep and Shallow Sockets**..... [ES#2763772](#)
- **3/8" Drive Extensions**..... [ES#2804822](#)
- **Hydraulic Floor Jack**..... [ES#240941](#)
- Torx Drivers and Sockets..... [ES#11417/8](#)
- 1/2" Drive Deep and Shallow Sockets..... [ES#2839106](#)
- 1/2" Drive Ratchet
- 1/2" Drive Extensions
- 1/2" Drive Torque Wrench..... [ES#2221244](#)
- 1/2" Drive Breaker Bar..... [ES#2776653](#)
- Bench Mounted Vise
- Crows Foot Wrenches
- Hook and Pick Tool Set..... [ES#2778980](#)

### Required For This Install

### Available On Our Website

- 1/4" Drive Ratchet..... [ES#2823235](#)
- 1/4" Drive Deep and Shallow Sockets..... [ES#2823235](#)
- 1/4" Drive Extensions..... [ES#2823235](#)
- Plier and Cutter Set..... [ES#2804496](#)
- Flat and Phillips Screwdrivers..... [ES#2225921](#)
- **Jack Stands**..... [ES#2763355](#)
- Ball Pein Hammers
- Pry Bar Set..... [ES#1899378](#)
- Electric/Cordless Drill
- Wire Strippers/Crimpers
- Drill Bits
- Punch and Chisel Set
- Hex Bit (Allen) Wrenches and Sockets..... [ES#11420](#)
- Thread Repair Tools..... [ES#1306824](#)
- Open/Boxed End Wrench Set..... [ES#2765907](#)

## 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.

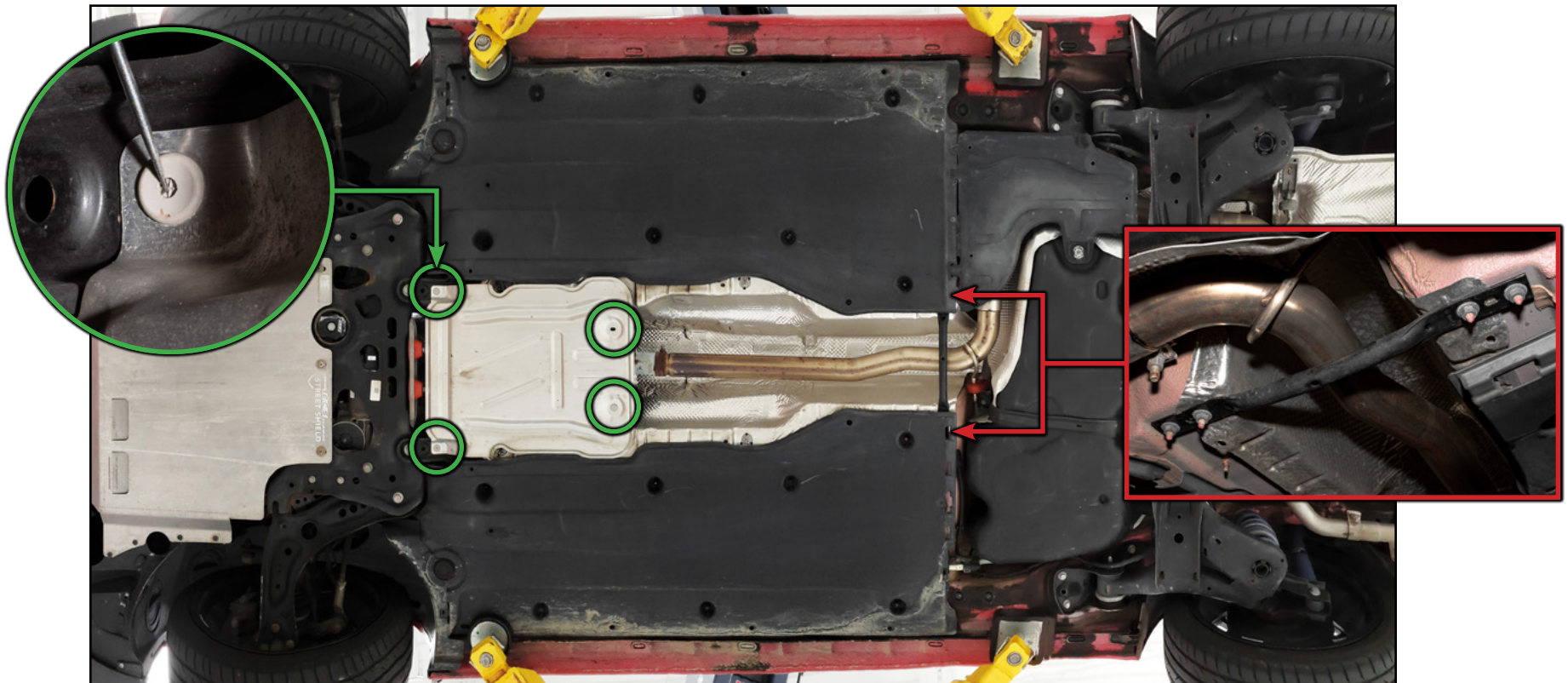


## INSTALLING THE STREET SHIELD TUNNEL BRACE

### Step 1: Small Pick or Screwdriver, 13mm Socket & Ratchet

Remove the four push rivets which secure the heat shield underneath the vehicle (**GREEN** circles and inset photo below).

Remove the four nuts which secure the rear cross brace to the vehicle (**RED** inset photo below). You may need to loosen a few of the 10mm nuts which secure the plastic panels to the vehicle to get better access to the rear cross brace nuts.

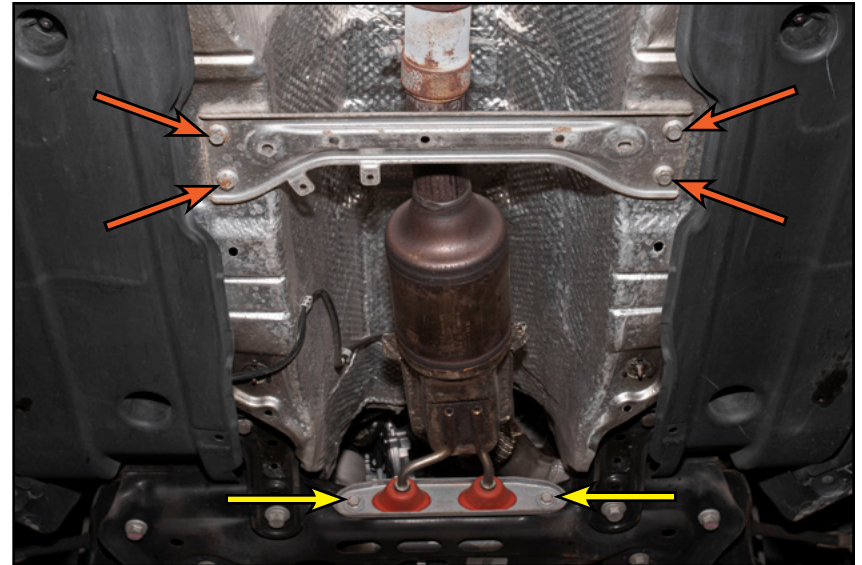


## INSTALLING THE STREET SHIELD TUNNEL BRACE

### Step 2: 13mm Socket & Ratchet

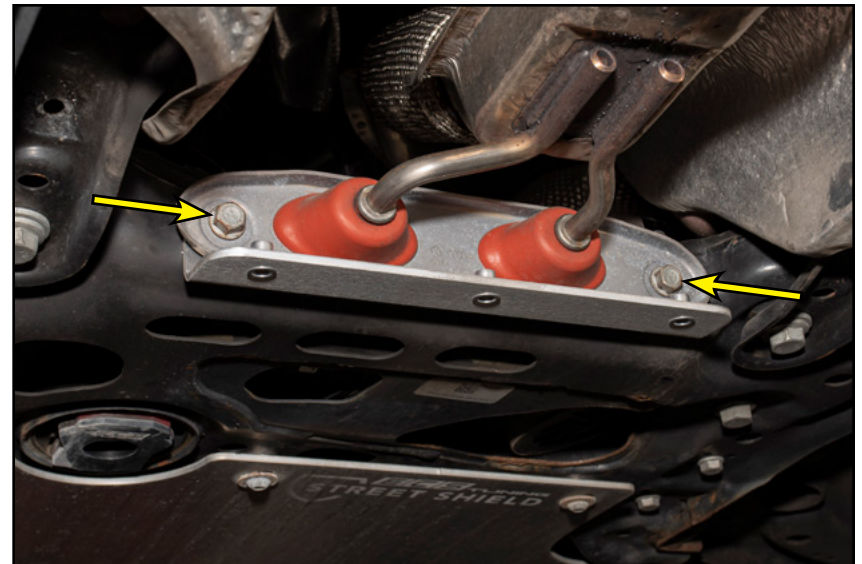
Remove the four bolts which secure the front cross brace to the vehicle (**ORANGE** arrows).

Remove the two bolts which secure the downpipe hanger to the subframe (**YELLOW** arrows).



### Step 3: 13mm Socket & Ratchet

Slide the tunnel brace bracket between the downpipe hanger and the subframe, then loosely reinstall the two bolts (**YELLOW** arrows). Leave these bolts loose for now, we may want to adjust the fitment later on.

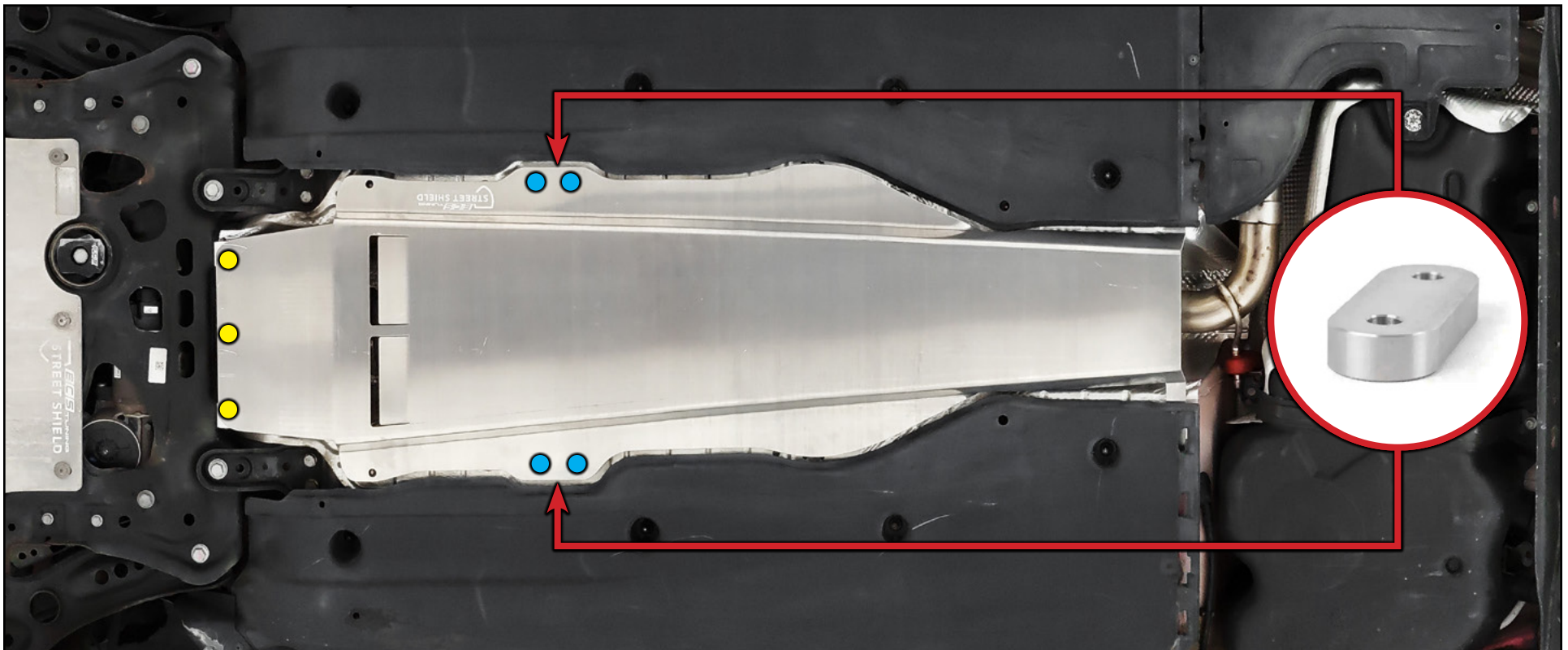


## INSTALLING THE STREET SHIELD TUNNEL BRACE

### Step 4:

Now it's time to install the new Street Shield tunnel brace. Please note that we don't want to tighten any of the fasteners down until after we've gotten them all started by hand, so leave them all loosely installed until the next page.

Guide the tunnel brace up and into position, be sure to slide it underneath the plastic panels at the rear and align those mounting holes with the studs on the chassis (not shown). Loosely install the three M6 bolts into the holes along the front of the tunnel brace (highlighted in **YELLOW** in the photo below). Place the included aluminum spacers (**RED** inset photo) between the tunnel brace and the chassis near the center mounting holes (highlighted in **BLUE** in the photo below). Thread each of the four M8 bolts in by hand.





## INSTALLING THE STREET SHIELD TUNNEL BRACE

### Step 5: 10mm & 13mm Sockets, Torque Wrench

Loosely install the four M8 flange nuts on the rear of the tunnel brace.  
(**ORANGE** arrows in **photo #2**).

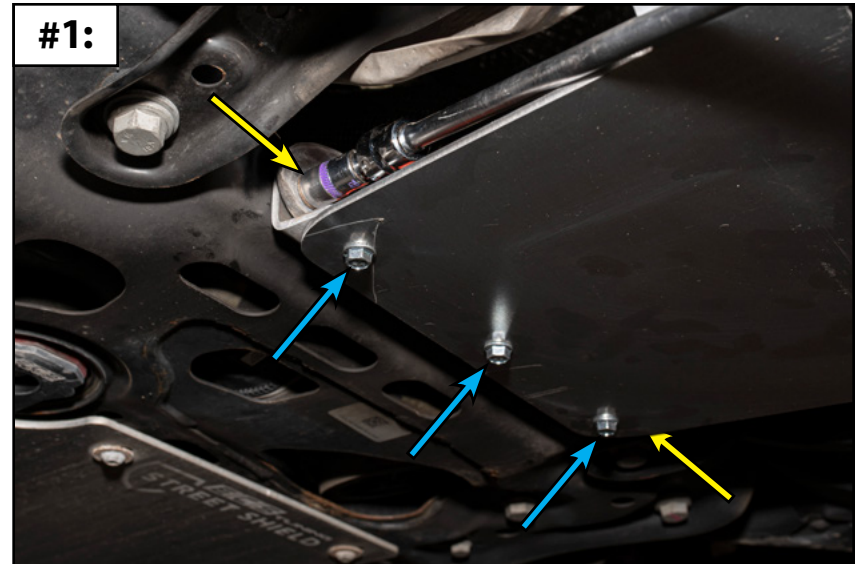
Torque the M8 bolts in the center of the tunnel brace to 25 Nm (not shown).

Torque the downpipe mounting bolts to 25 Nm  
(**YELLOW** arrow in **photo #1**).

Torque the three M6 bolts to 25 Nm  
(**BLUE** arrows in **photo #1**).

Torque the four M8 flange nuts to 20 Nm  
(**ORANGE** arrows in **photo #2**).

***Congratulations, your Street Shield Tunnel Brace installation is complete!***



## Your Street Shield Tunnel Brace 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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