



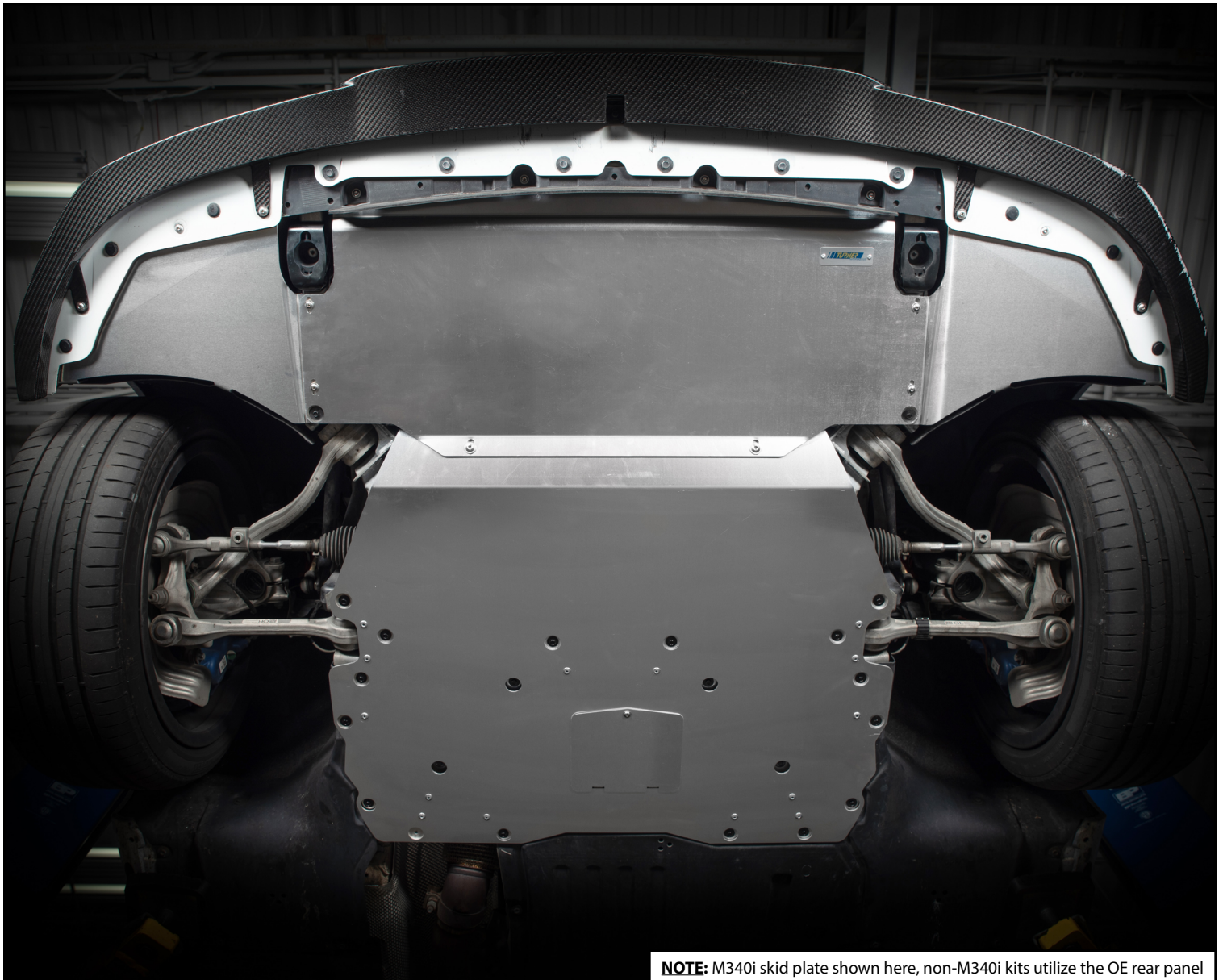
## BMW G20 3 Series Skid Plate Installation Instructions

Introducing the new Turner G20 3 Series Skid Plate!

The Turner engineering team set out to design a no-compromise belly pan replacement which requires no major modification to the vehicle, and offers some serious protection for the bottom of your G20 3 Series!

The finished product was this; the *ultimate* upgrade for your stock plastic belly pan.  
We provide all of the hardware you'll need for a quick and easy installation.

**Installation time:** 1 hour

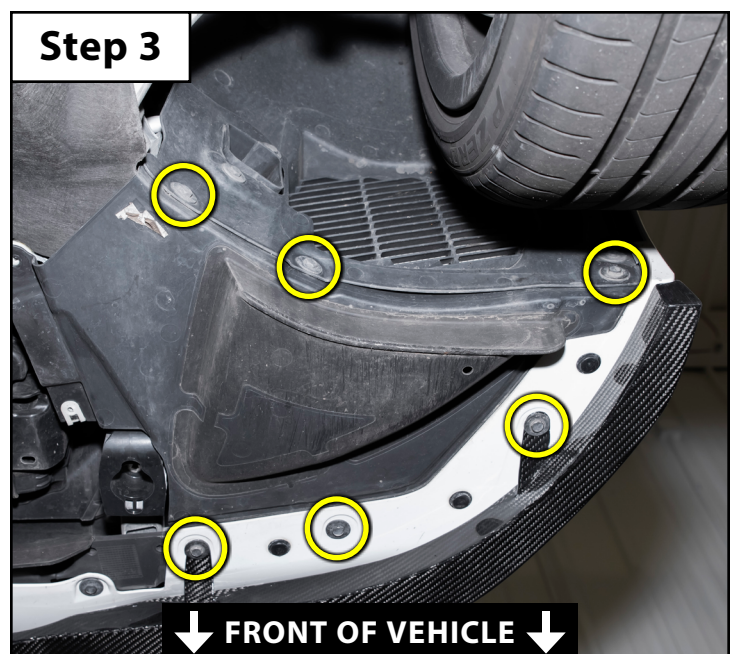
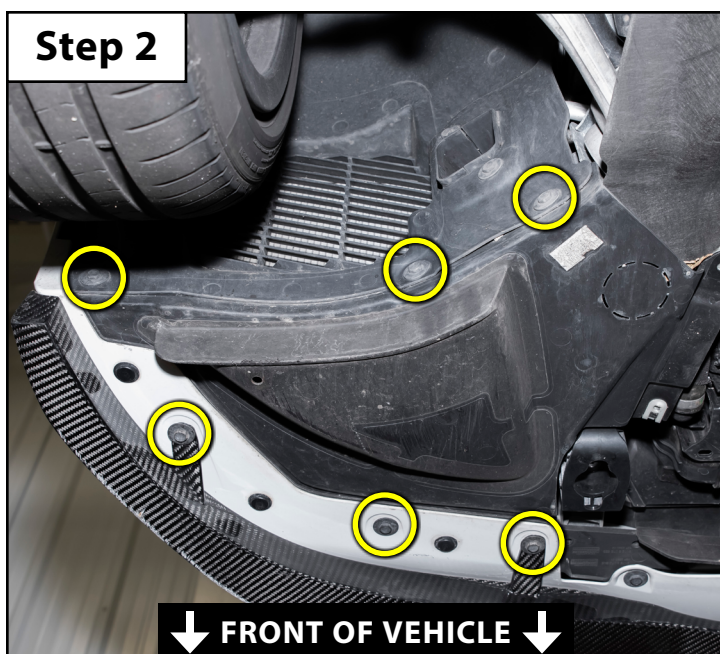
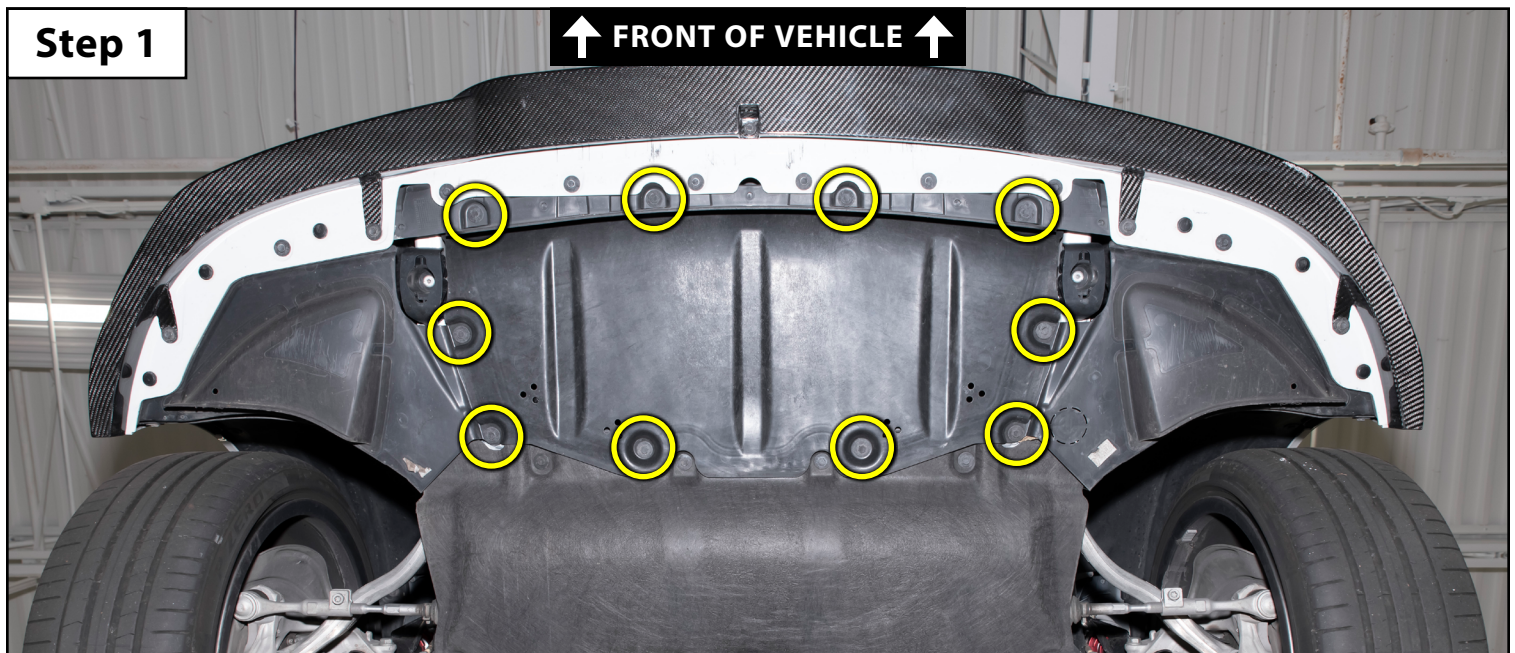


**NOTE:** M340i skid plate shown here, non-M340i kits utilize the OE rear panel

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.

## Section 1: Disassembly

- Step 1**
- Safely lift and support the vehicle.
  - Remove the screws which secure the front insulation panel (circled in **YELLOW** in the **Step 1 Photo**).
  - Remove the front insulation panel.
- Step 2**
- Remove the screws which secure the LH side wing panel (circled in **YELLOW** in the **Step 2 Photo**).
  - Remove the LH side wing panel.
- Step 3**
- Remove the screws which secure the RH side wing panel (circled in **YELLOW** in the **Step 3 Photo**).
  - Remove the RH side wing panel.
    - If you have an M340i, please proceed to the next page.
    - All other G20 3 Series vehicles, please skip ahead to [Page 6](#).

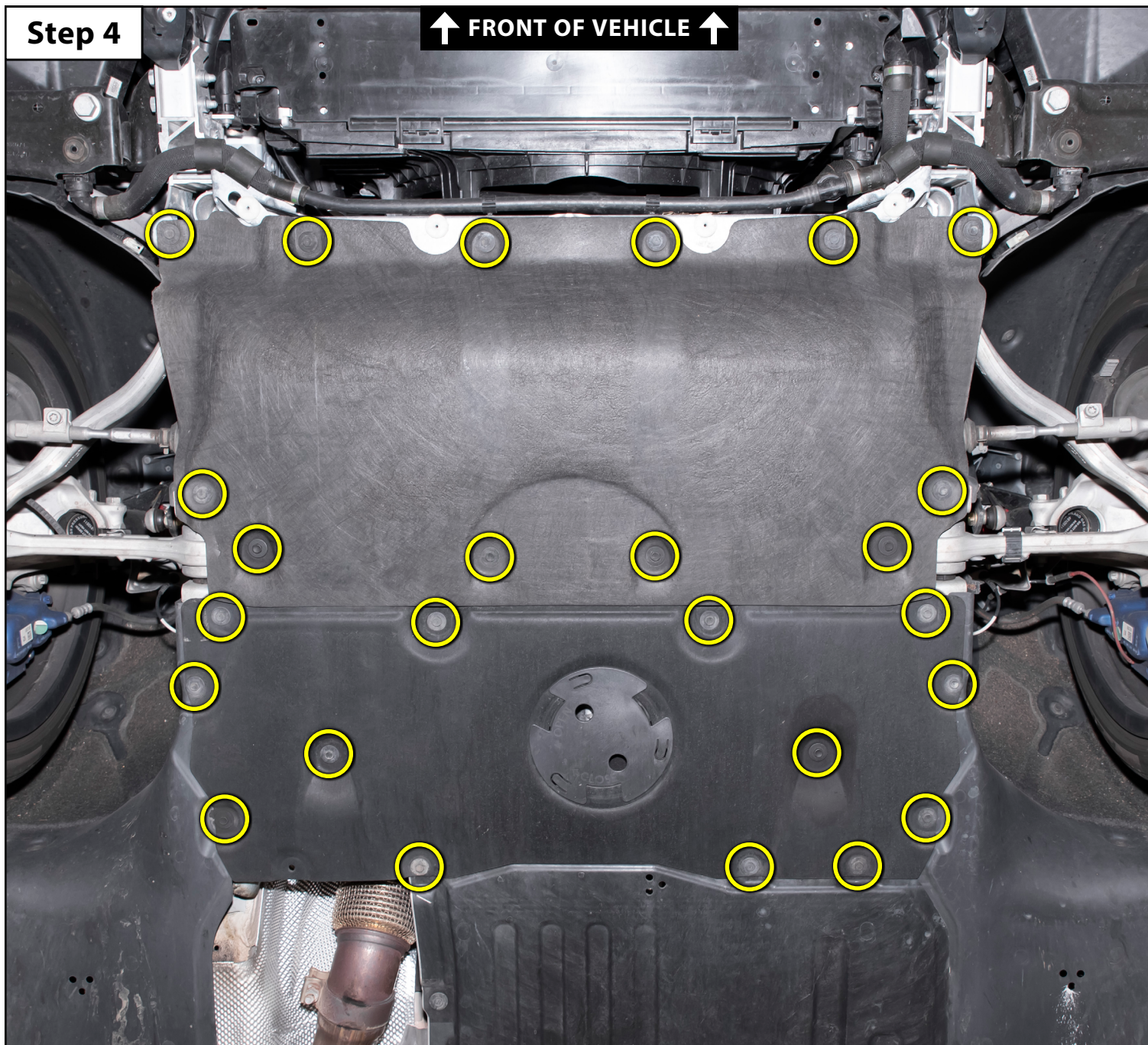


## Section 1: Disassembly

### Step 4

#### M340i ONLY:

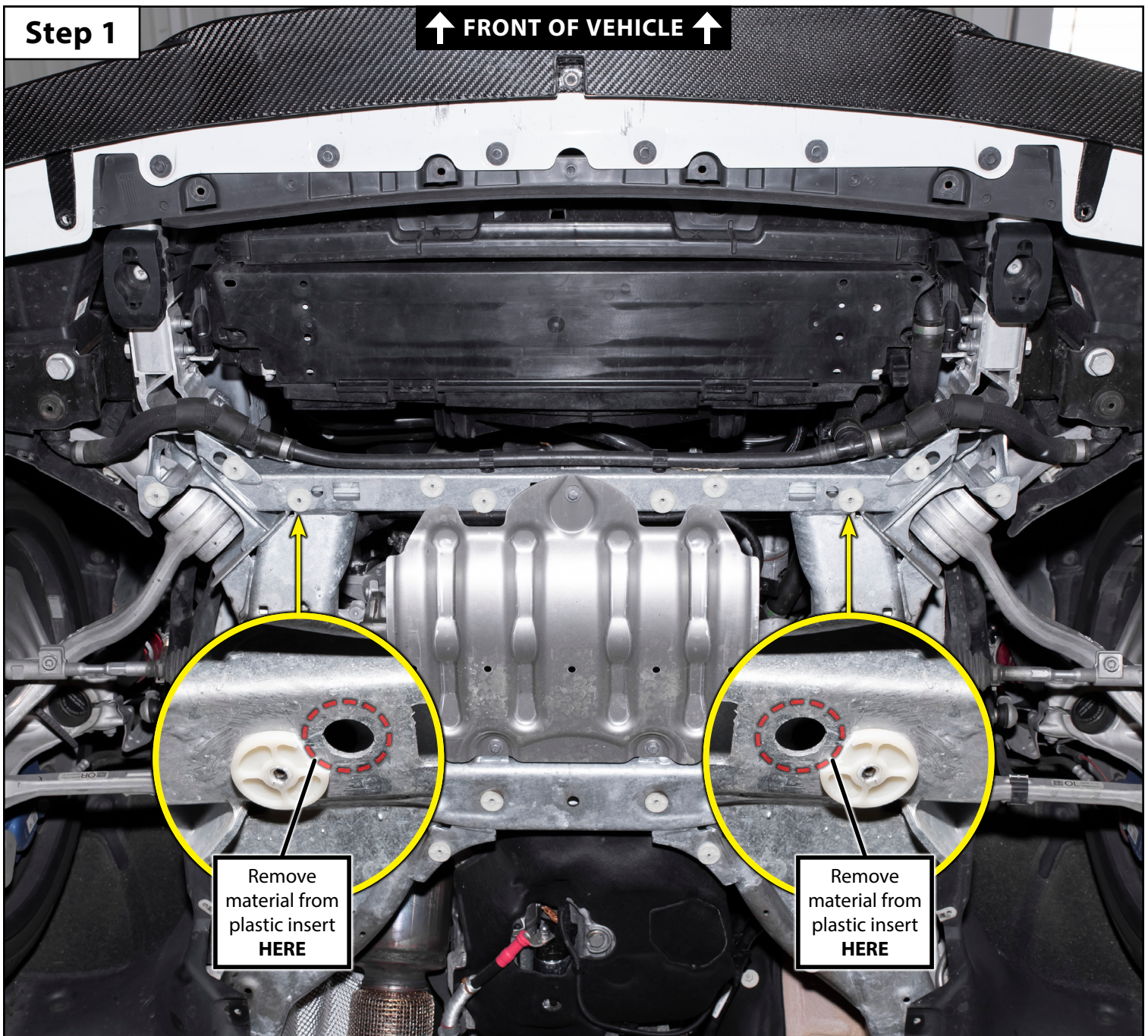
- Remove the screws which secure the rear insulation panels (circled in **YELLOW** in the **Step 4 Photo**).
- Remove the rear insulation panels.



## Section 2: Installing the New Rear Skid Plate

### Step 1 **M340i ONLY:**

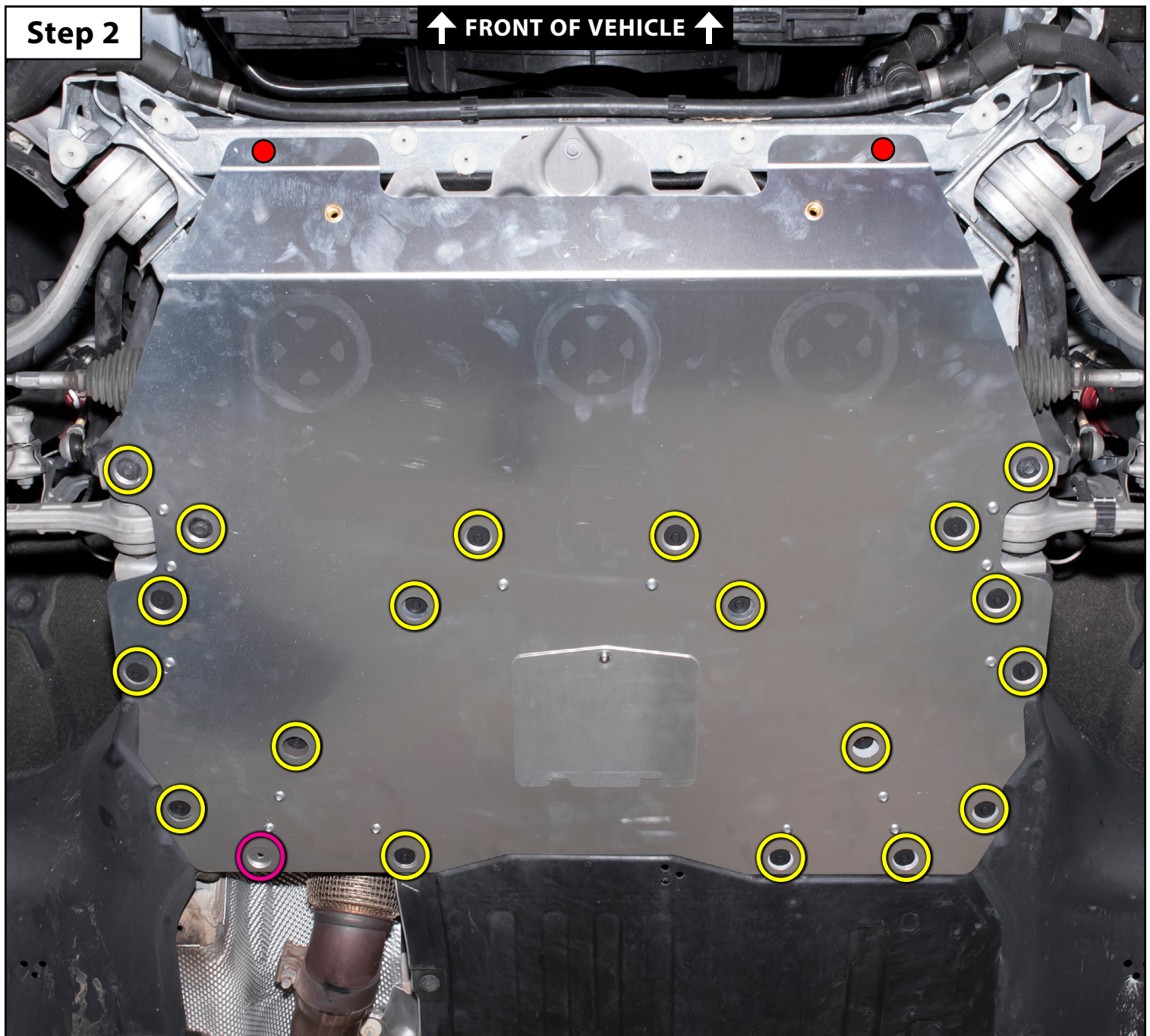
- Locate the two holes in the subframe (**YELLOW** inset photos below).
- The nearby plastic threaded inserts will interfere with the riv-nuts we will be installing next. We need to gain a small amount of clearance, there are two ways to accomplish this:
  1. Remove the plastic threaded insert entirely. They tend to break easily so it's unlikely that they can be reused later on.
  2. Use a sharp razor blade or other suitable tool to remove a small amount of material from the nearby plastic inserts. This is necessary due to the large diameter of the riv-nut flange (represented in the inset photos with **RED** dashed lines).
- Reference [Page 9](#) for detailed riv-nut installation instructions.



## Section 2: Installing the New Rear Skid Plate

### Step 2 M340i ONLY:

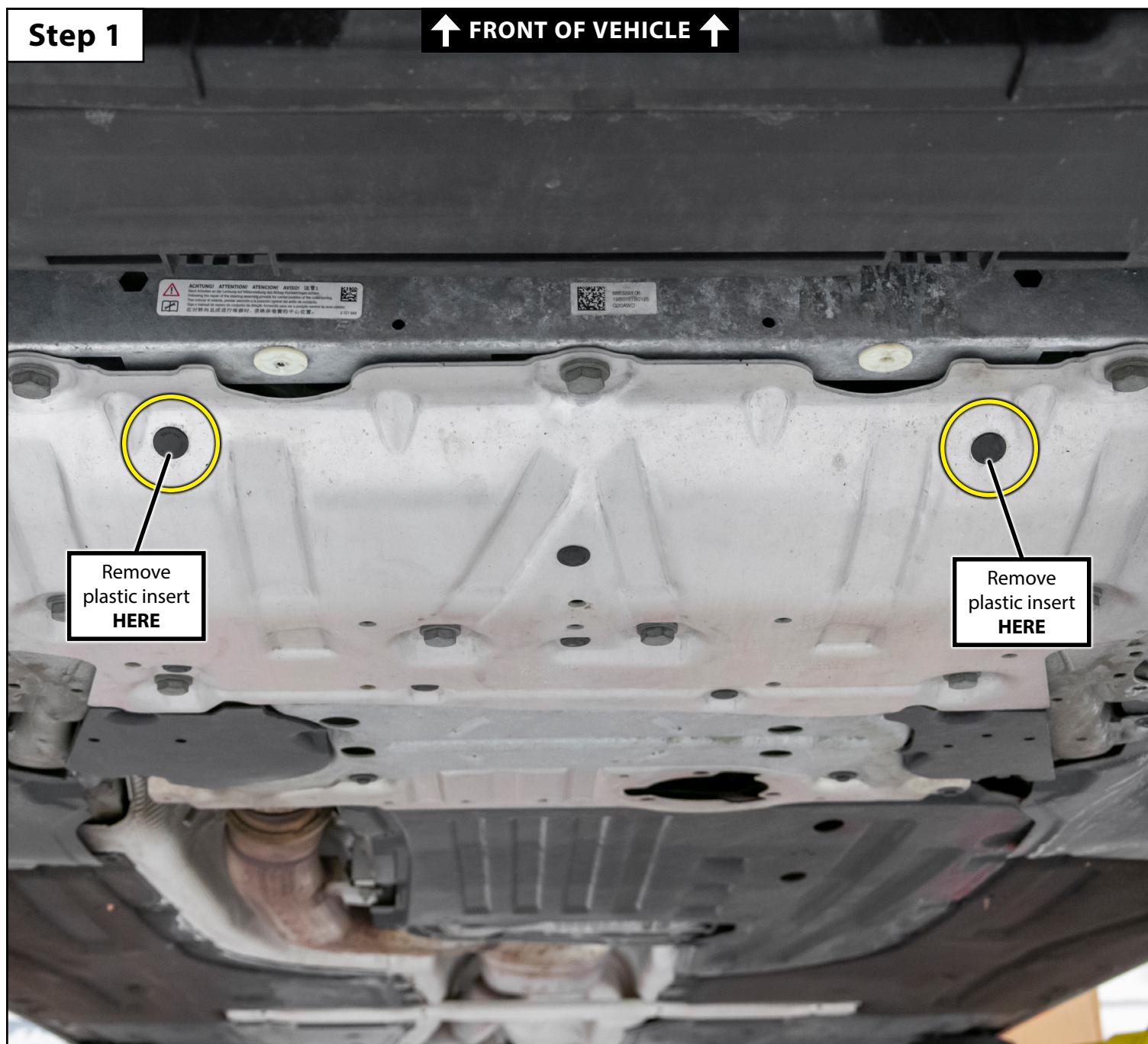
- Lift the new rear panel into position.
- Loosely install the two M8x20mm bolts through the front of the skid plate. ●
- Loosely install the nineteen OE screws through the remaining holes in the skid plate (circled in **YELLOW** in the **Step 2 Photo**).
  - Some models may have one additional fastener (circled in **PINK** in the **Step 2 Photo**).
- Adjust the rear panel as needed for proper fitment, then hand tighten all of the fasteners until snug.
  - If you have an M340i, please skip ahead to [Page 7](#).



## Section 3: Installing the New Skid Plate Kit

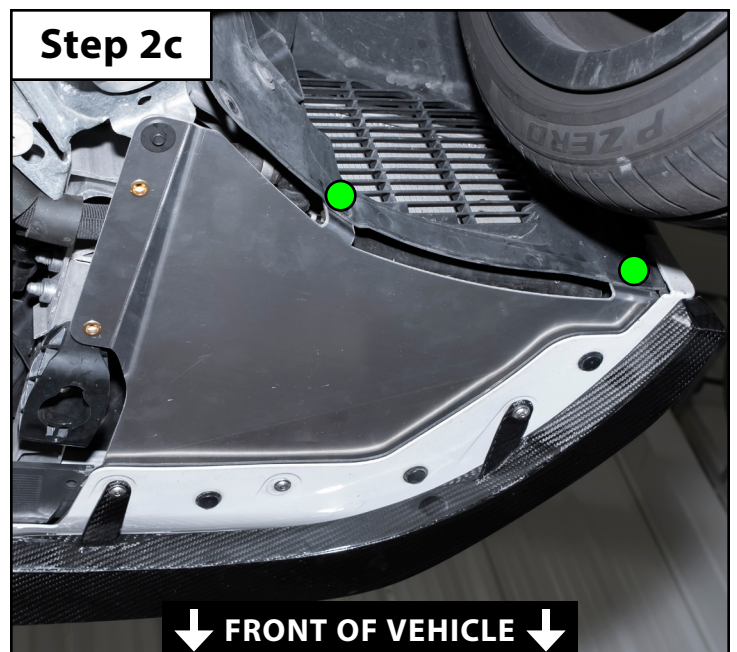
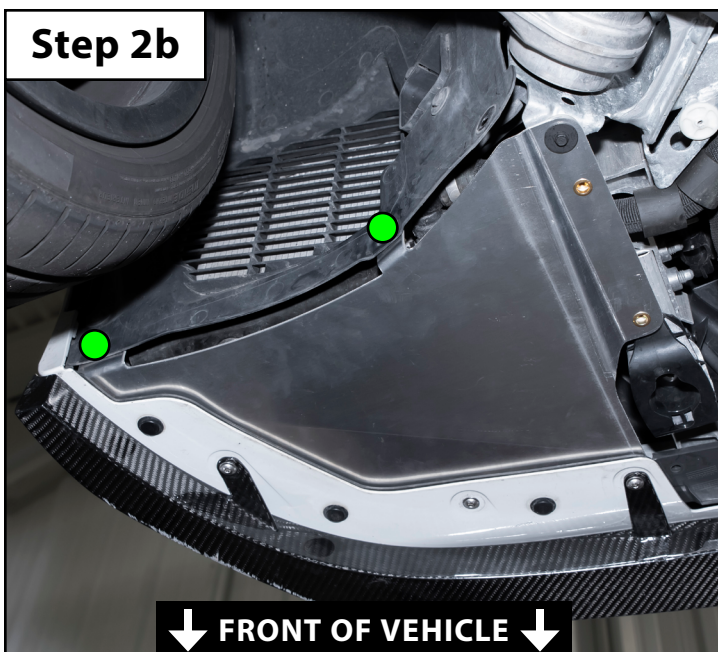
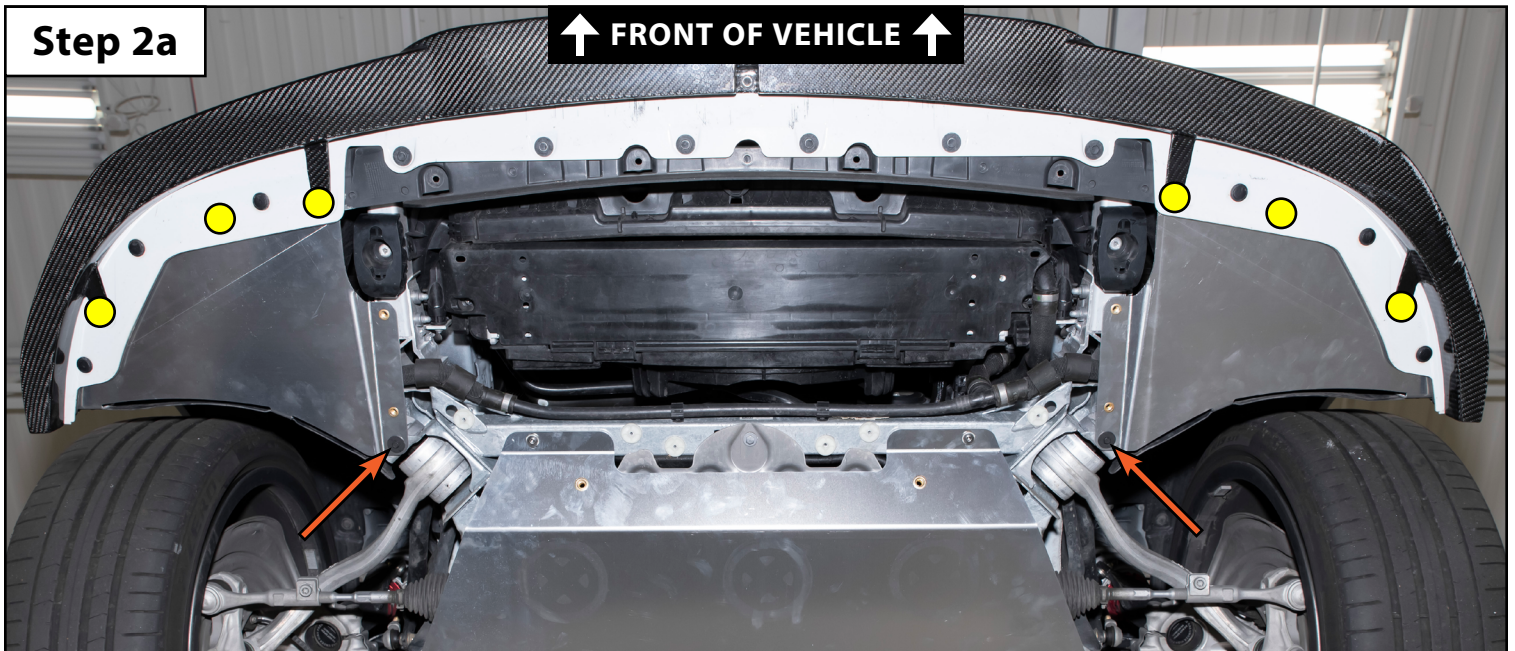
### Step 1 **Non-M340i models ONLY:**

- Locate the two holes in the subframe (circled in **YELLOW** in the **Step 1 Photo**) where we will be installing the riv-nuts.
- Pry the plastic inserts free from the holes.
- Reference [Page 9](#) for detailed riv-nut installation instructions.



## Section 3: Installing the New Skid Plate Kit

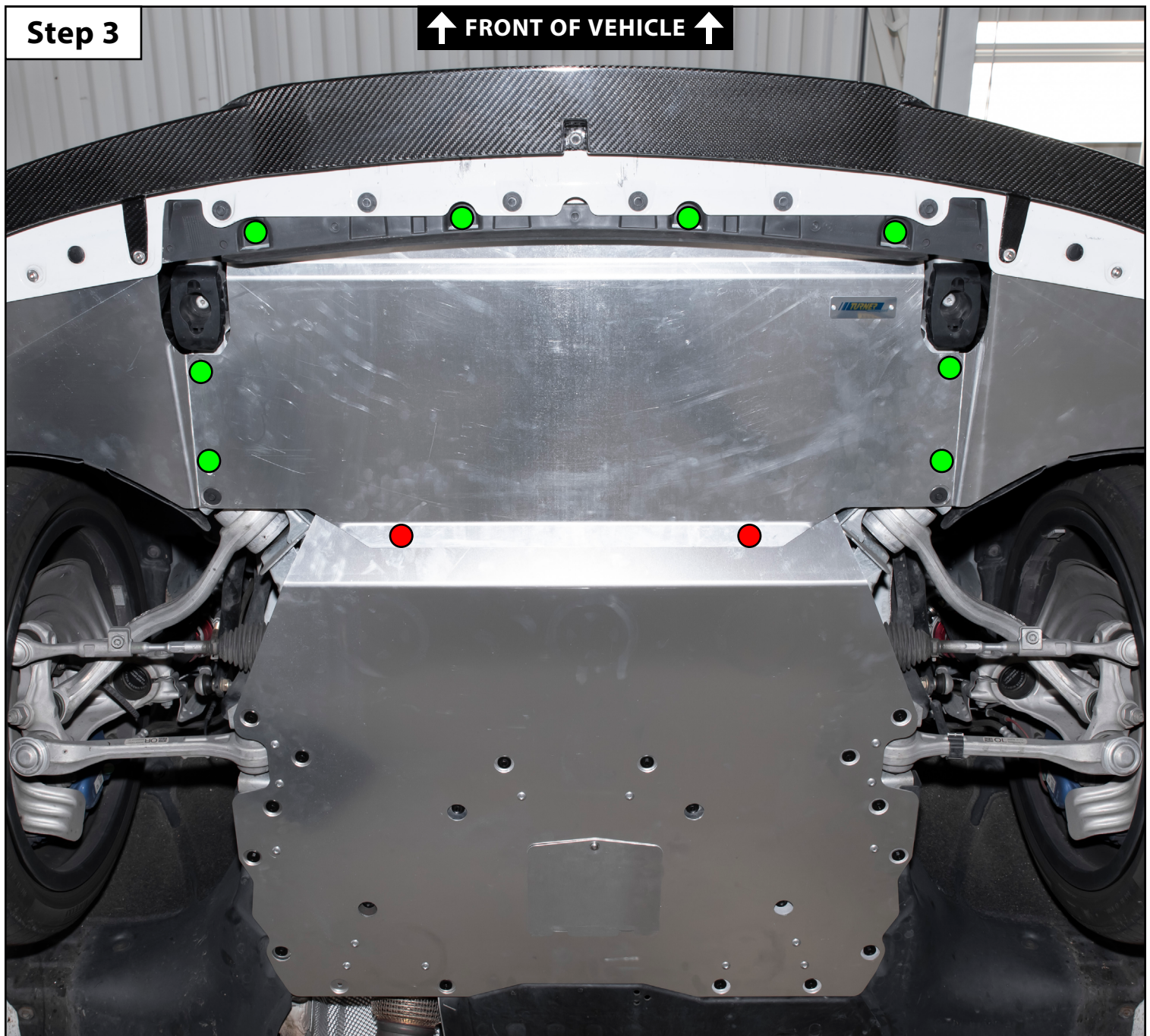
- Step 2**
- Lift the new side wings into position (**Step 2a Photo**).
  - Reuse two OE screws (arrows in the **Step 2a Photo**) to secure the inside corner of each side wing.
  - Loosely install the three M6x20mm bolts through the front of each side wing (**Step 2a Photo**). ●
  - Loosely install the two M6x16mm bolts through the rear of each side wing (**Step 2b & Step 2c Photo**). ●



## Section 3: Installing the New Skid Plate Kit

- Step 3**
- Lift the new front panel into position (**Step 3 Photo**).
  - Loosely install the eight M6x16mm bolts. ●
  - Loosely install the two M8x20mm bolts through the rearmost holes in the front panel. ●
  - Adjust the panel as needed for proper fitment, then hand tighten all of the fasteners until snug.

***Congratulations, your installation is complete!***



## Section 4: Riv-nut Installation Tool

### Step 1

- Drill out the mounting holes using a 13.5mm (or 17/64") drill bit (#1).
- Align the lip on the riv-nut tool body with the flanged side of the riv-nut (#2).
- 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).
- 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 the bolt and tool from the riv-nut (#6).
- Repeat this procedure to install the remaining riv-nut.
  - If you have an M340i, click [HERE](#) to return to the installation.
  - All other G20 3 Series vehicles, click [HERE](#) to return to the installation.

