

CorkSport Performance

AXO-8-100 Skid Plate

Installation Instructions for the CorkSport Performance Skid Plate for the 2019+ Mazda 3 and 2020+ CX-30.

Written By: Cody Dunton



INTRODUCTION

In this installation guide we have provided step by step instructions to install the CorkSport Performance Skid Plate

Advisory:

- Working under the vehicle requires a safe and sturdy location for the vehicle to sit on jackstands.
- Reference the owner's manual for proper lifting and jack stand locations
- Engine components will be hot after vehicle use, let the vehicle cool for at least 30 minutes or use a fan to cool the underside of the engine before starting project

TOOLS:

- Hydraulic Jack (1)
- Jack Stand (2)
- 1/4" or 3/8" Drive Ratchet (1)
- 10mm Socket - Deep (1)
- 8mm Socket (1)
- 4mm Allen Wrench (1)
- Flathead Screwdriver (1)
- Phillips Screwdriver (1)

PARTS:

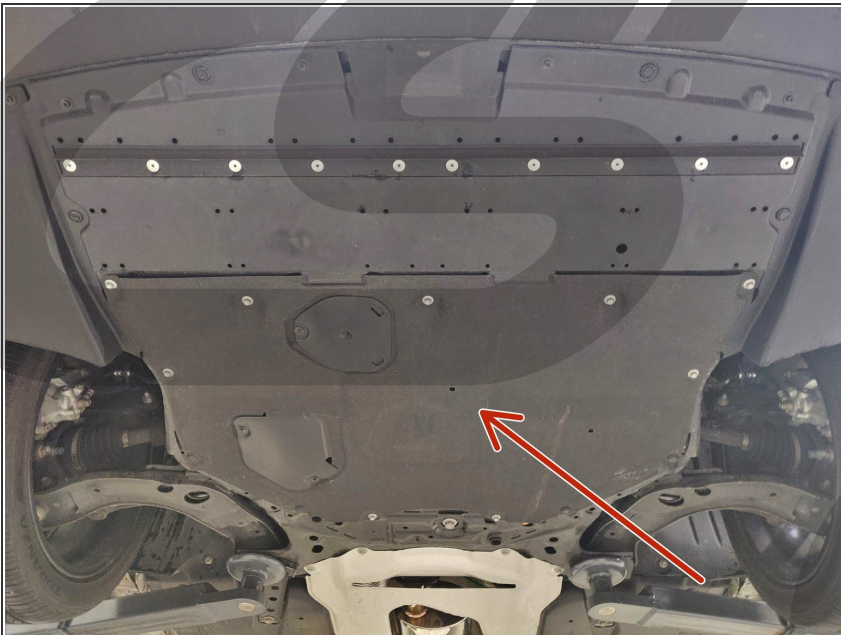
- AXO-8-100-21 Rear Section (1)
- AXO-8-100-22 Front Section - Not Included with CX-30 Application (1)
- CX30-8-100-22 Front Section - Not Included with Mazda 3 Application (1)
- AXO-8-100-23 Oil Cover (1)
- AXO-8-100-24 Air Deflector (1)
- AXO-8-100 Hardware Kit (1)

Step 1 — Getting Started



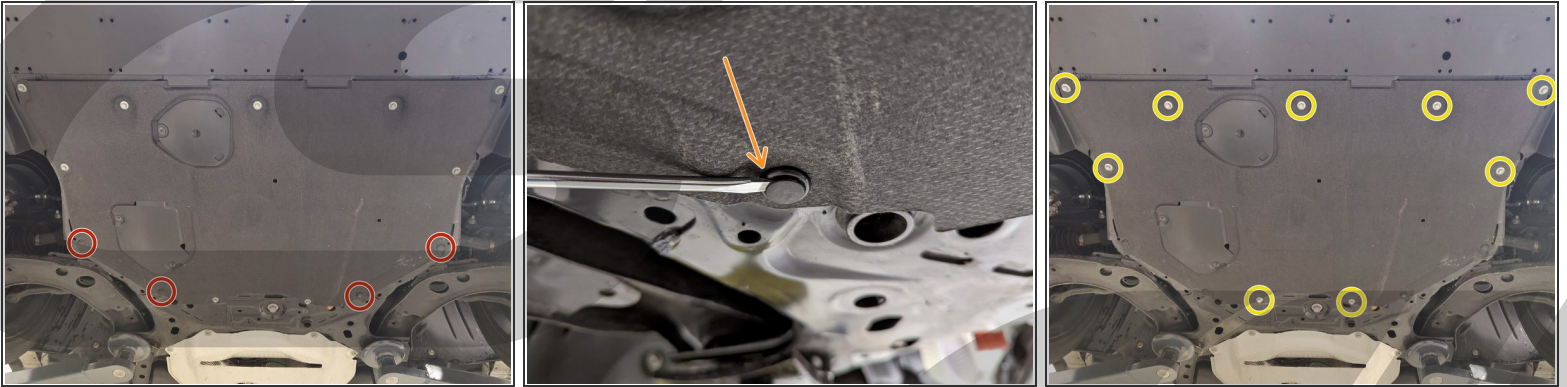
- First and foremost; **THANK YOU** for becoming a part of the CorkSport Family. We hope to bring you the highest level of Parts, Customer Service, & Support
- ⓘ How To Use These Instructions
 - The instruction format will relate colored marking in the image to the color dot in the text to the right of the image
 - ⓘ Assistance from another person is recommended for some portions of the install.

Step 2 — Lifting the Car



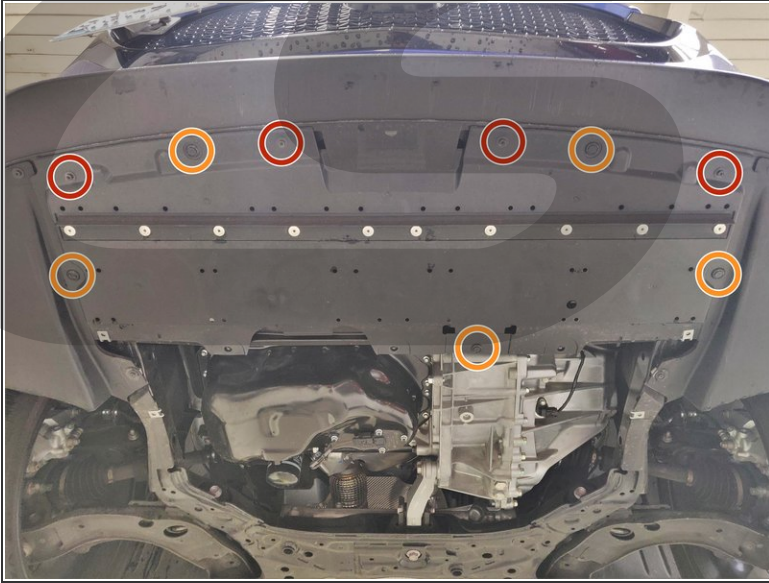
- ⚠ Ensure the vehicle is parked on a level surface before proceeding.
- ⚠ Be sure to reference your owner's manual for jack points and the jack manufacturer's instructions for proper practices.
- Using OEM lifting locations, start by lifting up the front of the car using the hydraulic jack and jack stands to access the OEM Splash Guard.

Step 3 — Removing the OEM Rear Section



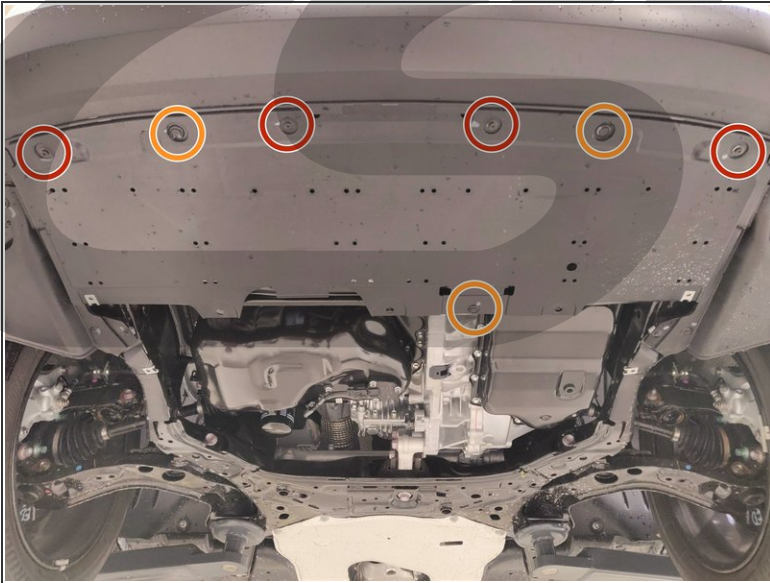
- Using a flathead screwdriver remove the 4 plastic clips.
- Remove them by prying down on the center section until it pops out and then remove by hand.
- ⓘ The plastic clips can be difficult to remove due to road debris collecting in them. If this is the case slowly work around the center of the clip, prying evenly until they free up.
- Using a 10mm socket and ratchet, remove the 9 bolts that secure the OEM Rear Section to the subframe starting from the ones that are circle at the top of the picture and working your way down.
- ⓘ When removing the last bolt make sure to hold the rear section in place so it does not fall.

Step 4 — Removing the Mazda 3 OEM Front Section



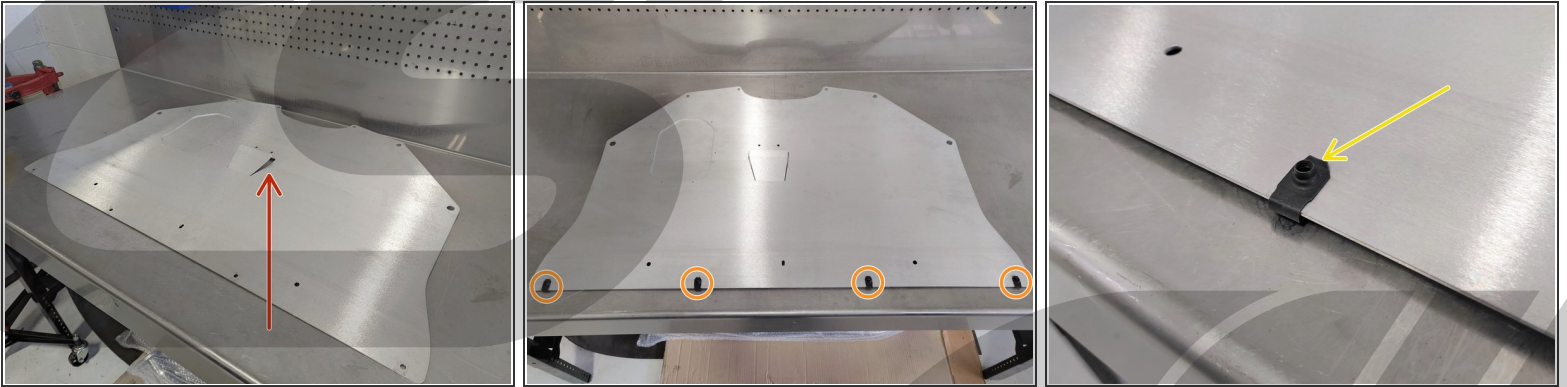
- The following steps are for the Mazda 3. Continue to step 5 if installing on a CX30.
- Using an 8mm socket and ratchet, remove the 4 screws that are circled.
- Remove the 5 plastic clips circled, starting from the ones at the top of the picture and working your way down.
 - ⓘ When removing the last clip make sure to hold the front section in place so it does not fall.
- Now remove the 2 10mm bolts circled as they will be used for the installation of the CS Skid Plate.
 - ⓘ There are 2 other 10mm bolts just above the ones circled so make sure the ones removed are as shown in the picture.

Step 5 — Removing the CX30 OEM Front Section



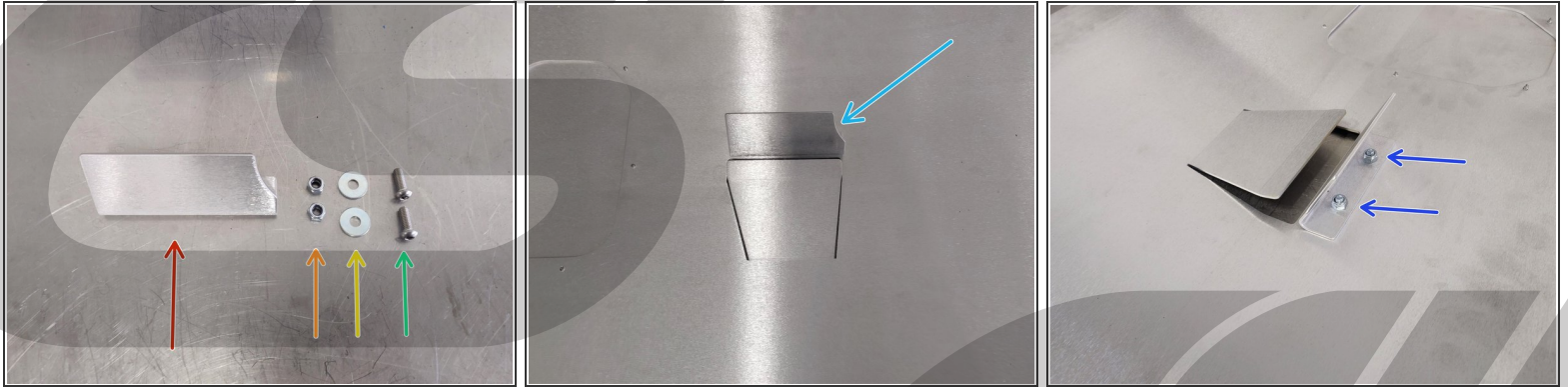
- Using an 8mm socket and ratchet, remove the 4 screws that are circled.
- Remove the 3 plastic clips circled, starting from the ones at the top of the picture and working your way down.
- ⓘ When removing the last clip make sure to hold the front section in place so it does not fall.
- Now remove the 2 10mm bolts circled as they are not reused in the CS Skid Plate installation.

Step 6 — Assembling the CS Rear Skid Plate Section - Part A



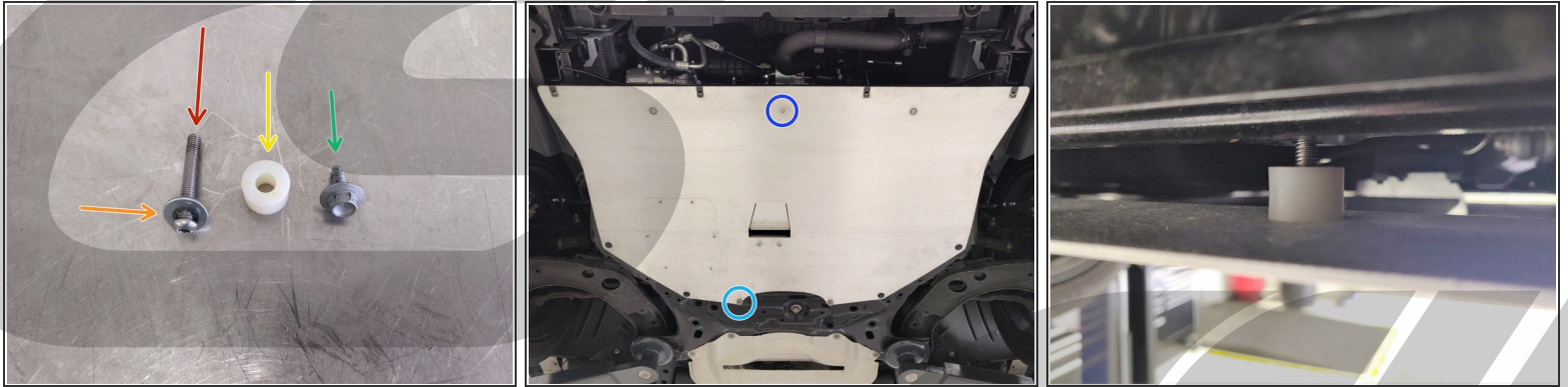
- Take the CorkSport Rear Skid Plate Section and place it on a flat surface so that the tab in the center is facing up.
- Install the 4 included extended U-nuts in the locations circled making sure to align the hole in the U-nut with the hole in the Skid Plate. See the next picture for the correct orientation.
- Install the U-nut so that the threaded part is on the top as shown.

Step 7 — Assembling the CS Rear Section Skid Plate - Part B



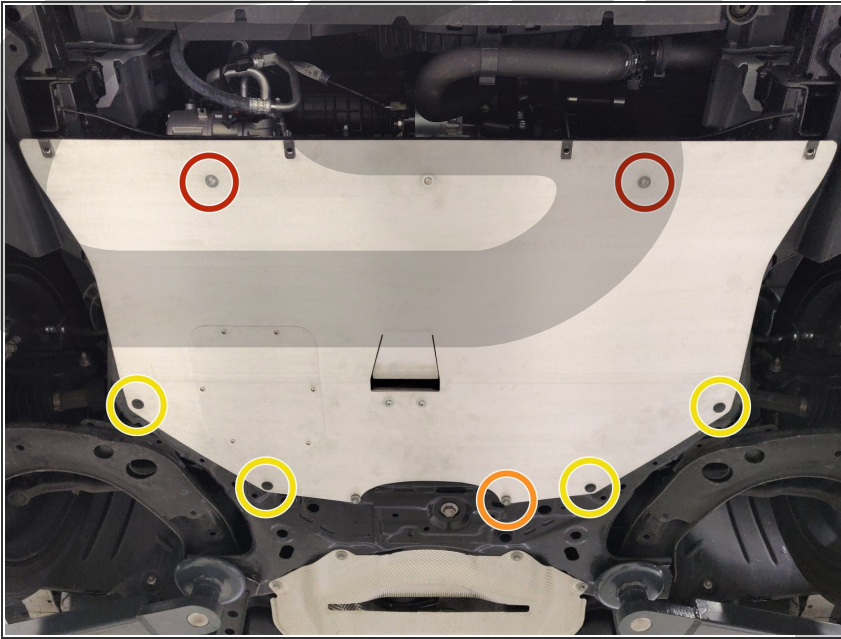
- Gather the following parts for the next step in assembling the Rear Skid Plate Section:
 - Air Deflector
 - 2x Nyloc Nuts
 - 2x Washers
 - 2x Shorter Allen Head Bolts
- Now take the air deflector and place it on top of the Rear Skid Plate Section as shown, lining up the two holes in both pieces.
- Install the 2 Allen head screws with washers from the bottom of the skid plate and thread on the nyloc nuts on the top side as shown. Tighten the hardware using a 10mm wrench and a 4mm Allen wrench/socket.

Step 8 — Installing the Rear Skid Plate Section - Part A



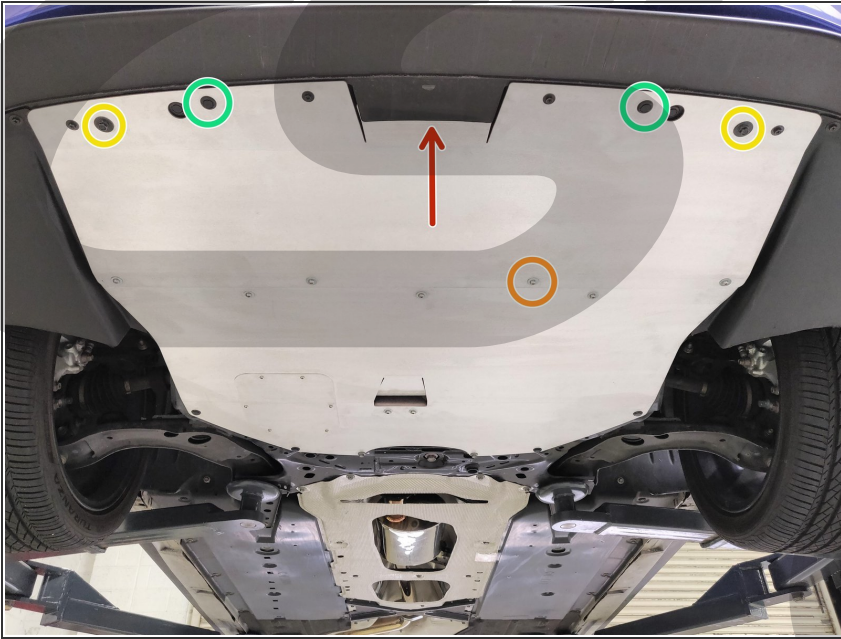
- Gather the following hardware to install the Rear Skid Plate Section:
 - 1x Long Allen Head Bolt
 - 1x Washer
 - 1x 1/2in Nylon Spacer
 - 1x OEM 10mm Bolt
- Lift the Rear Section into position and start the 10mm OEM bolt by hand in the location shown, leaving it loose.
- Now place the nylon spacer on top of the Skid Plate over the center hole circled and start the Allen head bolt into the cross bar, leaving it loose as well.
- ⓘ The next picture shows how the spacers should look when installed.

Step 9 — Installing the Rear Skid Plate Section - Part B



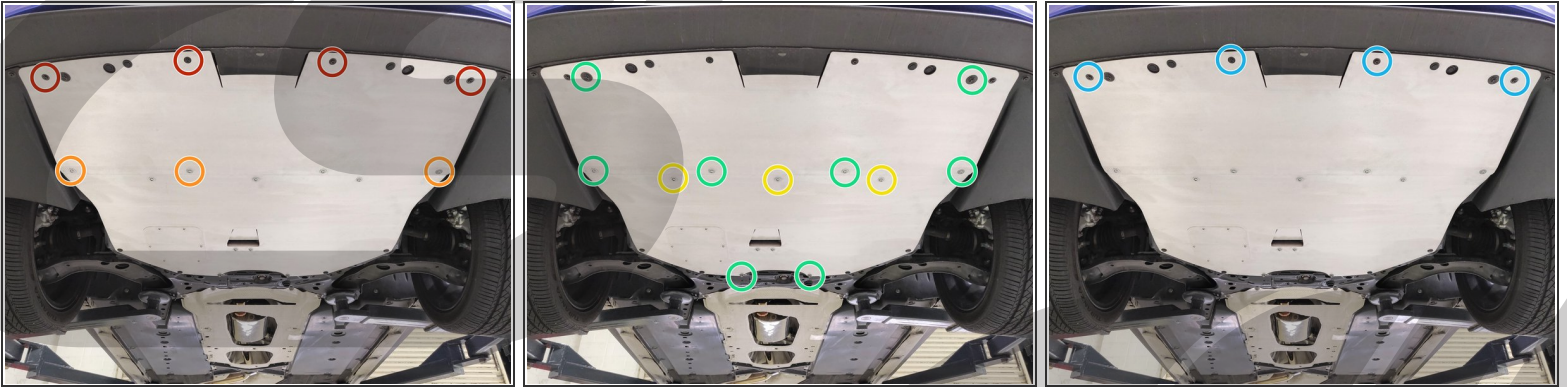
- Install the other 2 Nylon Spacers and Long Allen Head bolts in to the locations circled, leaving them loose.
- Install another OEM 10mm bolt in the location circled by hand, leaving it loose.
- Place the 4 plastic clips that were removed earlier back into the spots circled.
- ⓘ Make sure to push up on the Skid Plate by the hole where the clip is so that it goes in easy.

Step 10 — Installing the Mazda 3 Front Skid Plate Section - Part A



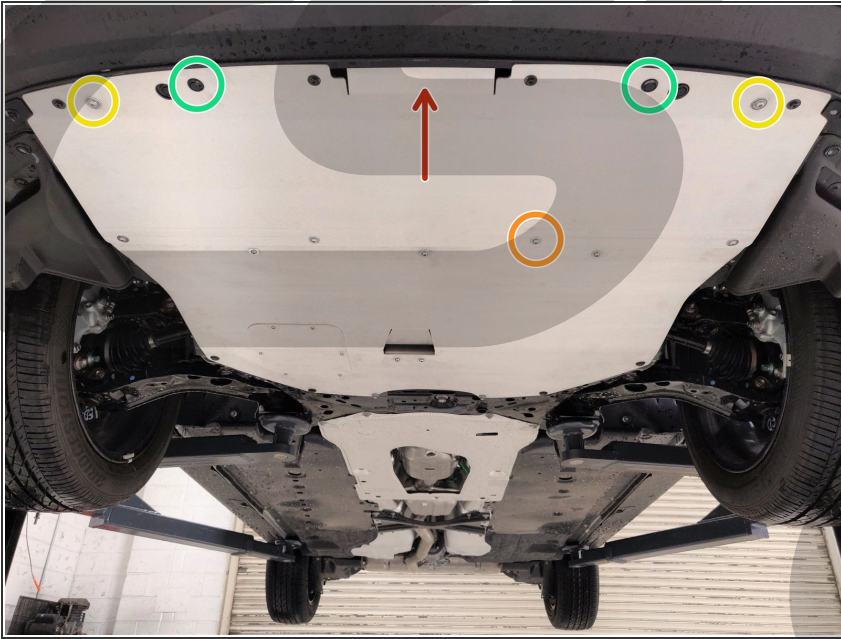
- The following 2 steps are for the Mazda 3. Continue to step 12 if installing on a CX30.
- Lift the Front Section into position by placing the front tab over the plastic tab on the bumper.
- While holding the Front Section, start a Short Allen Head Bolt with a washer by hand in the location shown, leaving it loose.
- Take the 2 Longer 10mm OEM bolts and reinstall them in the locations circled, leaving them loose.
- Now reinstall 2 of the plastic clips that were removed from the OEM front section into the CS Front Skid Plate Section as shown.
- ⓘ Make sure to push up on the Skid Plate by the hole where the clip is so that it goes in easy.

Step 11 — Installing the Mazda 3 Front Skid Plate Section - Part B



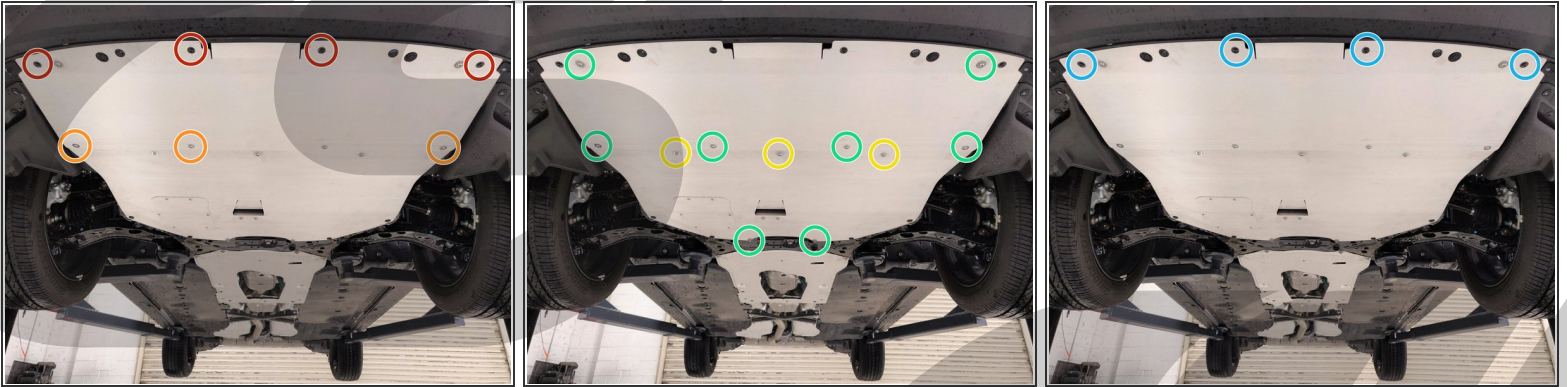
- Take the 4 8mm OEM screws and reinstall them in the locations circled, leaving them loose.
- Install the last 3 short Allen head bolts each with a washer by hand in the locations shown, leaving them loose.
- Tighten the 3 Allen head bolts circled on the Rear Section to **7-10ft-lbs** using a 4mm Allen.
- Now move onto tightening the other 8 Allen head and 10mm bolts circled to **7-10ft-lbs** on both Skid Plate Sections.
- Lastly tighten the 4 8mm screws on the Front Skid Plate Section until they are snug.

Step 12 — Installing the Mazda CX30 Front Skid Plate Section - Part A



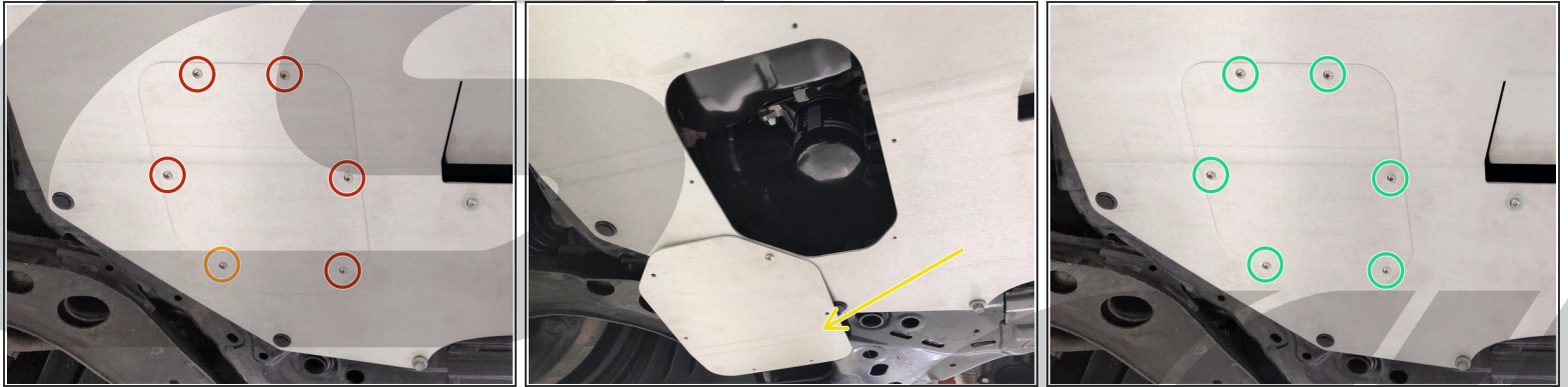
- Lift the Front Section into position by placing the front tab over the plastic tab on the bumper.
 - While holding the Front Section, start a Short Allen Head Bolt with a washer by hand in the location shown, leaving it loose.
 - Take the 2 Long Allen Head Bolts with a washer and install them in the locations circled, leaving them loose.
 - Now reinstall 2 of the plastic clips that were removed from the OEM front section into the CS Front Skid Plate Section as shown.
- i** Make sure to push up on the Skid Plate by the hole where the clip is so that it goes in easy.

Step 13 — Installing the Mazda CX30 Front Skid Plate Section - Part B



- Take the 4 8mm OEM screws and reinstall them in the locations circled, leaving them loose.
- Install the last 3 short Allen head bolts each with a washer by hand in the locations shown, leaving them loose.
- Tighten the 3 Allen head bolts circled on the Rear Section to **7-10ft-lbs** using a 4mm Allen.
- Now move onto tightening the other 8 Allen head and 10mm bolts circled to **7-10ft-lbs** on both Skid Plate Sections.
- Lastly tighten the 4 8mm screws on the Front Skid Plate Section until they are snug.

Step 14 — Changing Your Oil



- To access the oil drain and the oil filter, remove the 5 Philips screws shown.
- Loosen the last Philips screw circled but do not fully remove it.
- Now rotate the oil cover out of the way to gain access to the oil drain and filter.
- Once you have finished, line the oil cover back up and reinstall the Philips screws and tighten all until they are snug.

Step 15 — Installation Complete



- This completes your installation of the CorkSport Performance Skid Plate!
- ⓘ Listen for any strange noises upon first drive. If any are present, inspect the hardware proper torque.
- Contact us with any questions or concerns at sales@corksport.com or (360) 260-2675.
- Please leave a review here: <https://corksport.com/>
- Share your experience using #CorkSport on Instagram, Facebook, and Twitter.