

CorkSport Performance

AXO-3-020 Front Strut Tower Bar

Installation Instructions for the CorkSport Performance Front Strut tower Bar for the 2019+ Mazda 3 & 2020+CX30

Written By: Barrett Strecker



INTRODUCTION

In this installation guide we have provided step by step instructions to install the CorkSport Performance Front Strut Tower Bar.

Advisory:

- It is highly recommend to install the FSTB while the vehicle is on a flat surface.

TOOLS:

- 3/8" Drive Ratchet (1)
- 3/8" Torque Wrench (1)
- 14mm Socket - Deep (1)
- 15mm Socket - Deep (1)
- 8mm Allen Key (1)



PARTS:

- Assembled CorkSport Strut Tower Bar (1)
- 15mm Serrated Flange Nut (6)

Step 1 — Getting Started



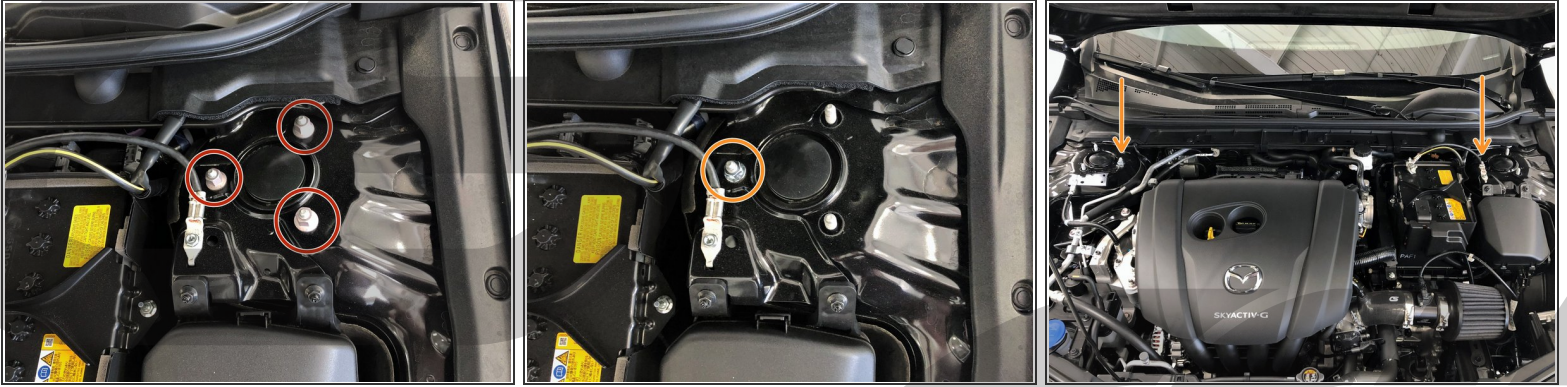
- First and foremost; **THANK YOU** for becoming a part of the CorkSport Family. We hope to bring you the highest level of Parts, Customer Service, & Support
- ① How To Use These Instructions
 - The instruction format will relate colored marking in the image to the color dot in the text to the right of the image
 - Going forward we will be referencing "FSTB" - Front Strut Tower Bar
- The vehicle used in these instructions was a 2020 Mazda 3 Hatchback AWD. CX30 and other model years, sedan vehicles, and FWD vehicles will be identical.

Step 2 — Strut Tower Mounting Identification



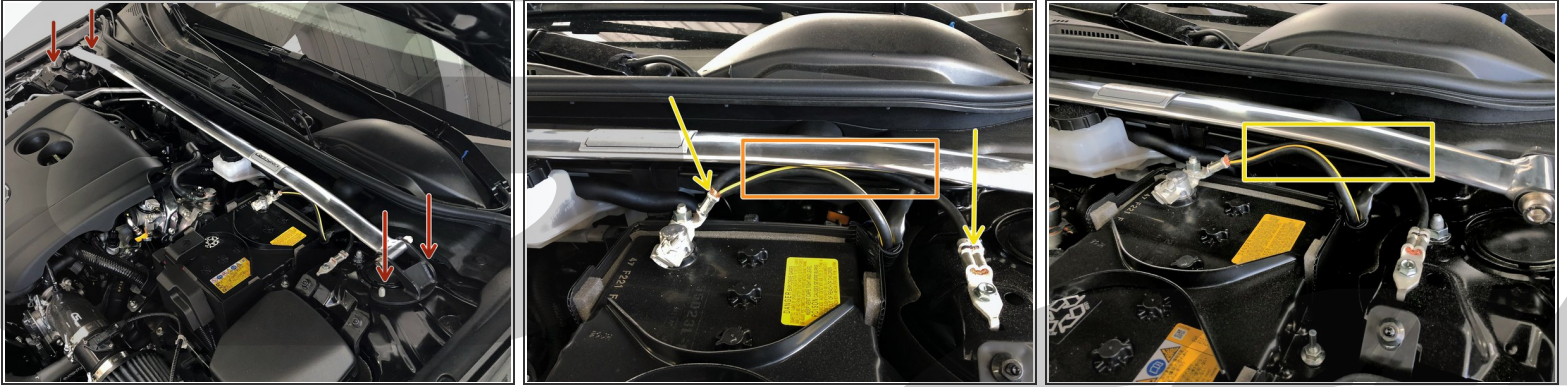
- ① Ensure the vehicle is parked on a level surface before proceeding.
- This image serves as a location reference for components referenced in the following steps.
- Strut tower mounting locations shown for future steps.

Step 3 — Preparing for FSTB Installation



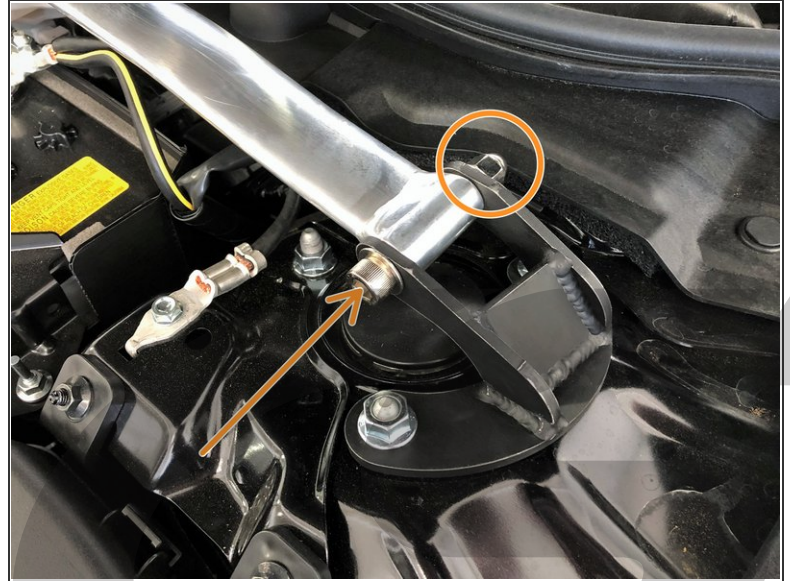
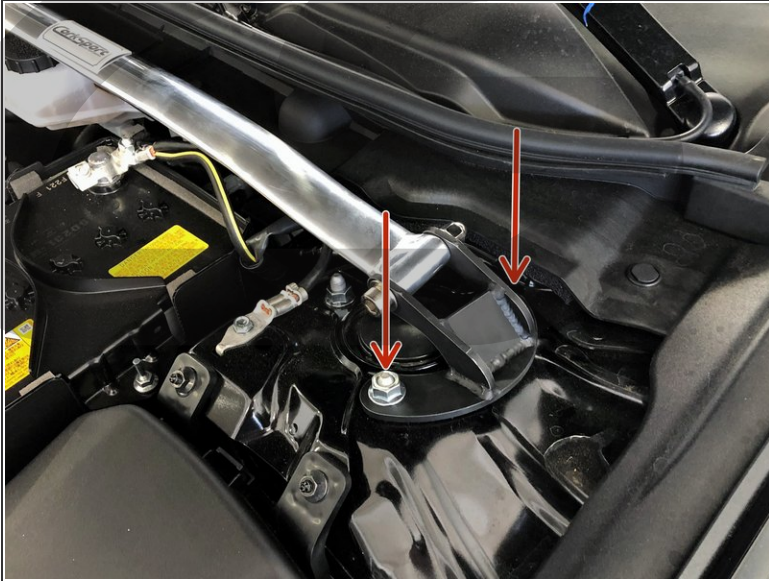
- Using a 14mm socket and ratchet, remove the three strut tower nuts on both driver and passenger sides of the vehicle.
- ⓘ These nuts will not be reused.
- Install one of the supplied nuts on the stud closest to the center of the vehicle. Tighten to **37-43ft-lbs** with a 15mm socket and ratchet.
- Repeat the orange step on the other side of the vehicle.
- ⓘ This step is performed as this mounting location is difficult to access once the FSTB is installed. This location is not used to secure the FSTB but these extra nuts are included to ensure a clean look!

Step 4 — Front Strut Tower Bar Installation Part 1



- Position the CorkSport FSTB onto the remaining mounting studs.
 - ⓘ You may need to loosen the brackets on the strut bar for installation - use a 15mm socket for the nut and 8mm allen key for the cap screw to loosen.
 - ⓘ The FSTB will only install in one orientation.
 - Inspect the negative battery cables to see if they are touching the CS FSTB.
 - If the negative battery cables are touching the FSTB, bend down the two cable mounting locations shown until the cables are no longer touching FSTB.
- ⚠ Do not use metal tools to adjust the battery cables.

Step 5 — Front Strut Tower Bar Installation Part 2



- Secure the CorkSport FSTB using the remaining provided 15mm flange nuts. Tighten the nuts to **37-43 ft. lbs.** using a 15mm deep socket and ratchet.
- Once the end brackets are secure, ensure the polished center section of the FSTB is straight and centered.
- Once happy with positioning, secure the center section of the FSTB to the end brackets. Use an 8mm allen key to hold the bolt in place while tightening the 14mm nut to **23-28 ft. lbs.**
- Repeat the orange step on the other side of the vehicle.

Step 6 — Installation Complete



- The fully installed FSTB is shown. Double check tightness of all fasteners after a few days of driving.

Step 7 — Installation Complete



- This completes your installation of the CorkSport Performance Front Strut Tower Bar!
- ⓘ Listen for any strange noises upon first drive. If any are present, inspect the FSTB to ensure all components are tight.
- Contact us with any questions or concerns at sales@corksport.com or (360) 260-2675.
- Please leave a review here:
- Share your experience using #CorkSport on Instagram, Facebook, and Twitter.