27W-3-030-1X 11th Gen Brake Master Brace for FSTB

Brake Brace for 11th Gen FSTB

Written By: Josh Rivas



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INTRODUCTION

In this installation guide we have provided step by step instructions to install the 27WON Performance Master Cylinder Brake Brace onto the 27WON Front Strut Tower Bar.

Advisory:

- The engine bay will be hot after recent vehicle operation. Allow the vehicle to cool or use a fan to cool the engine bay before working on the vehicle.

TOOLS:

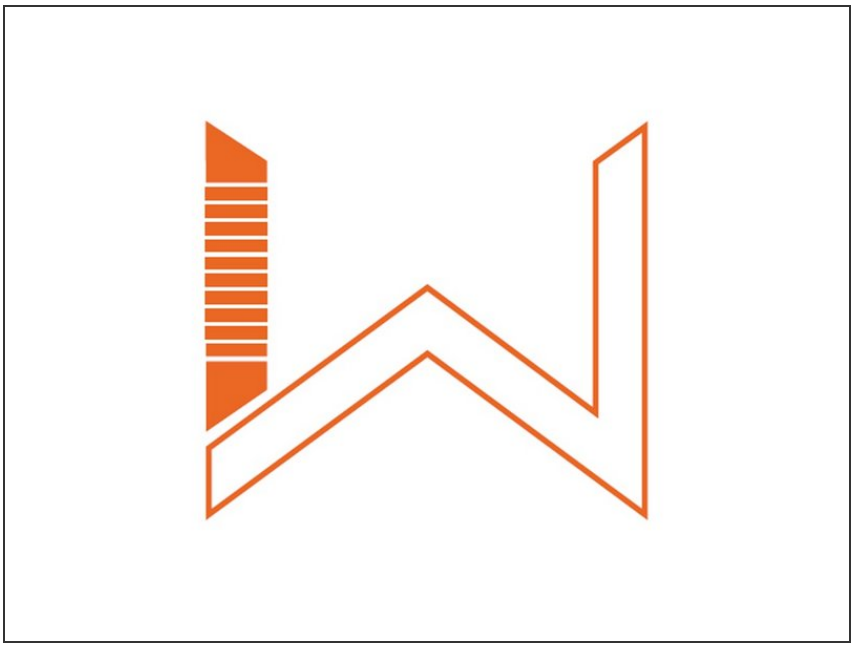
- 3/8" Ratchet (1)
- 3/8" Torque Wrench (1)
- 10mm Wrench (2)
- 10mm Socket (1)
- 14mm Socket (1)
- Pliers - Small (1)

PARTS:

- Brake Brace (1)
- Brake Brace Foot (1)
- M6x1.0x25mm Flanged Bolt (2)
- M6x1.0 Flanged Nuts (2)
- SS Washer (4)

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Step 1 — Getting Started



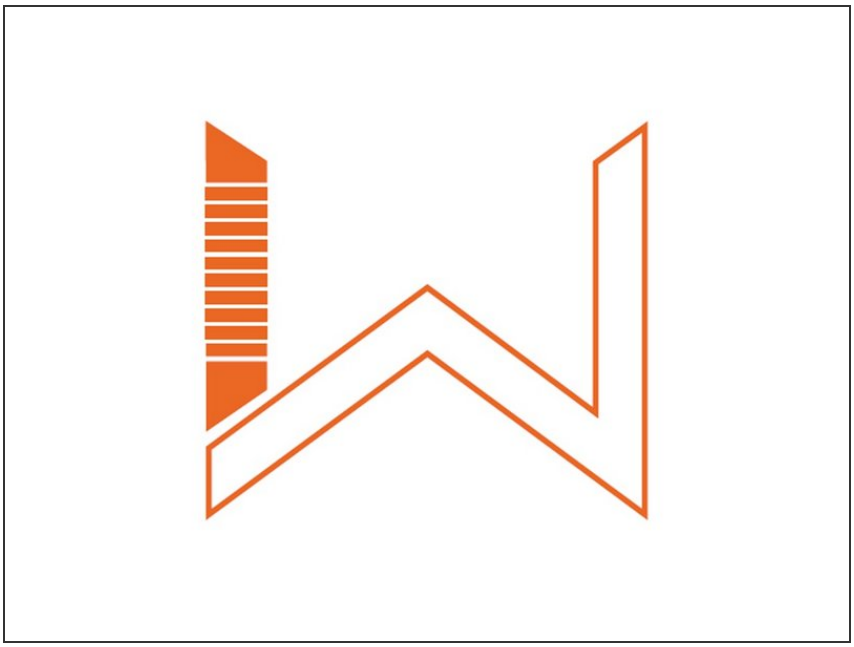
- First and foremost; **THANK YOU** for becoming a part of the 27WON Family. We hope to **REDEFINE** your experience of the aftermarket with the highest level Parts, Customer Service, Packaging, & Support

ⓘ These instructions were written with a 2022 Honda Civic EX. Other models will be similar

⚠ If you have a 10th generation Civic then please use these instructions instead

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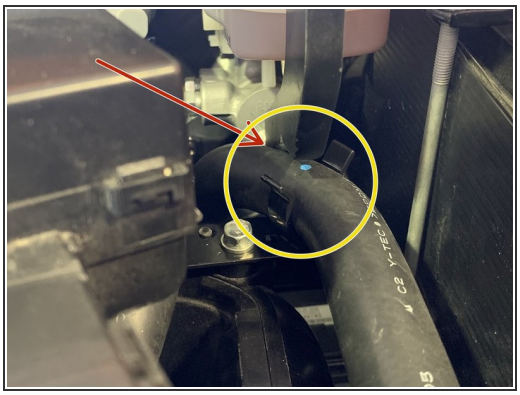
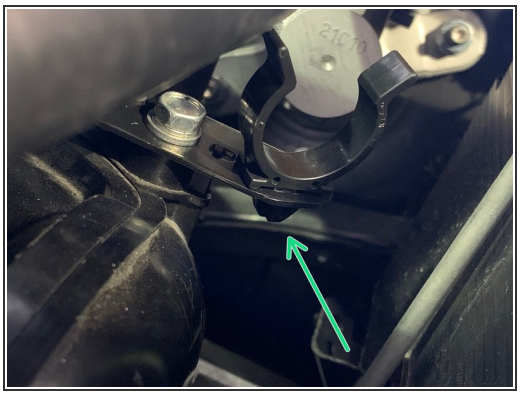
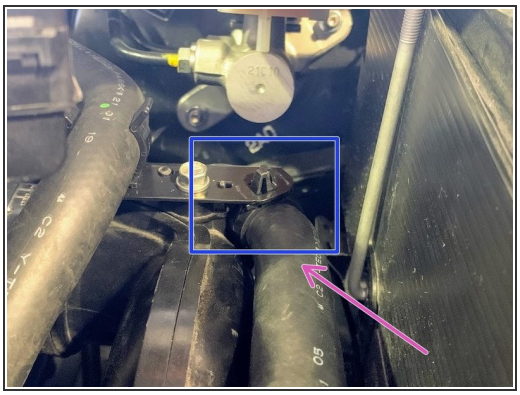
Step 2 — Verify Front Strut Bar is On Hand



- Please note that this is an upgrade for the 27WON Front Strut Tower Bar (FSTB) only. 27WON FSTB must be installed or in-hand prior to starting this install
- If you need the 27WON FSTB instructions click here: 27W-3-020-XX 11th Gen Front Strut Tower Bar
- If you don't have a 27WON FSTB yet then you can purchase one here: https://store.27won.com/11th-gen-civic-f...

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Step 3 — Relocate Coolant Line

- ⓘ This step is not necessary for 2.0L naturally aspirated engines
- ⚠ Failure to move coolant line could result in coolant leak
- ⓘ Master cylinder brace will contact a coolant line if coolant line is not moved
- The red arrow shows where coolant line will contact brake brace if this step is not followed
- Unseat the coolant line from the clip
- Using a pair of pliers remove the clip from the bracket
- Flip the clip upside-down and install it on the bottom of the bracket
- Reinsert the coolant line into the clip

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Step 4 — Remove Front Strut Tower Bar

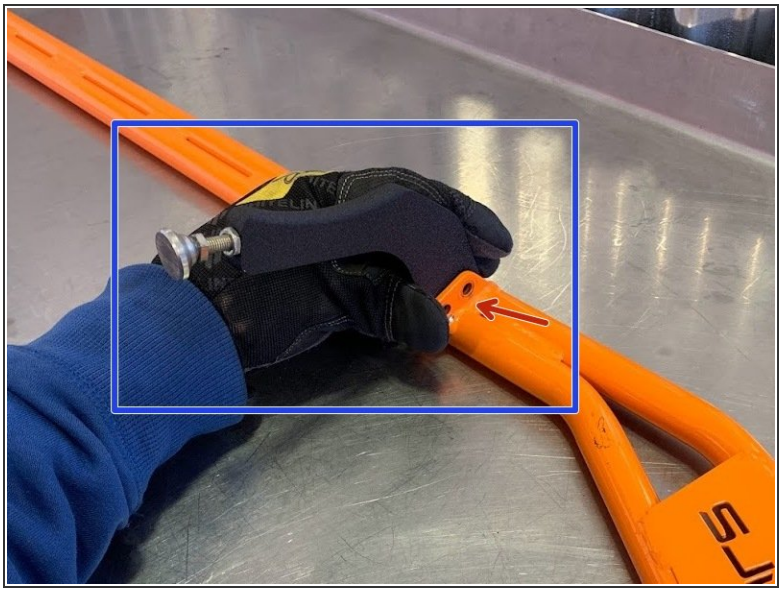


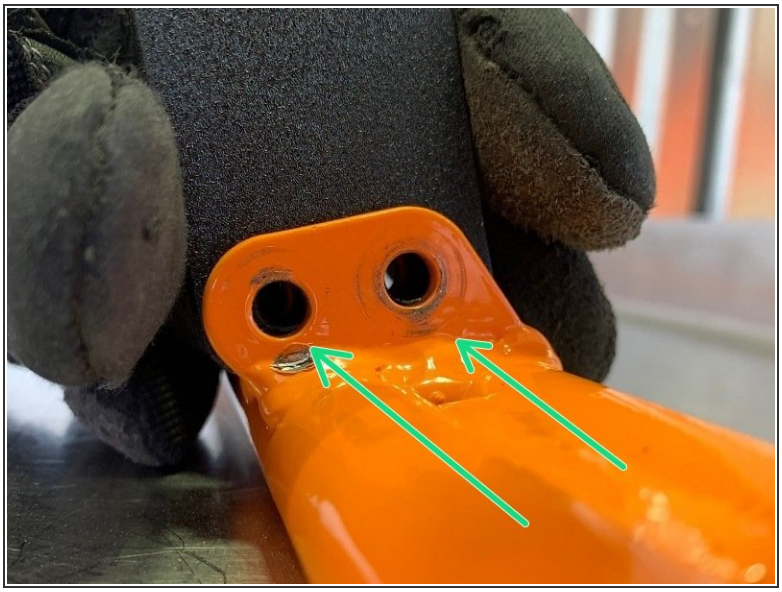


- ⓘ If your 27WON front strut tower bar is not yet installed, skip to next step
- Locate the mounting points for the FSTB on drivers side. Using a 14 mm socket and ratchet, remove the nuts as shown
- Repeat for the three nuts on passenger side
- Remove the bar from your car and set on workbench

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Step 5 — Align Brace to FSTB

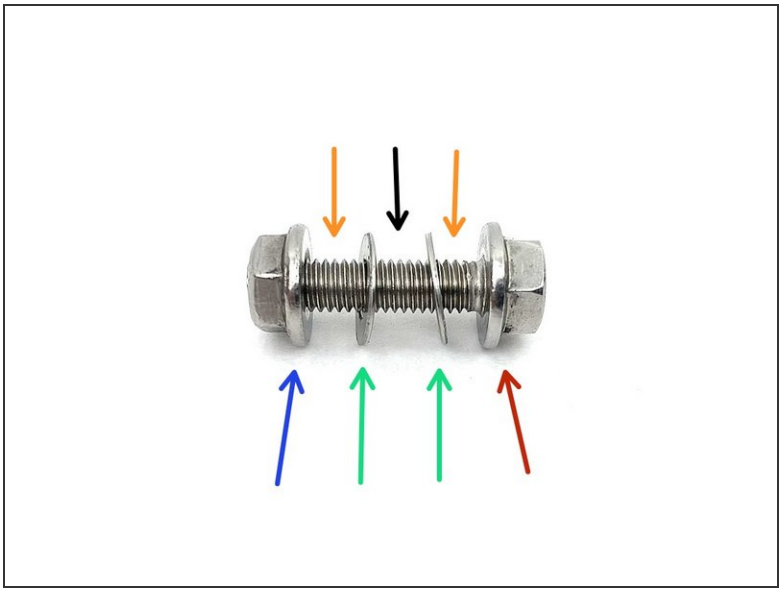


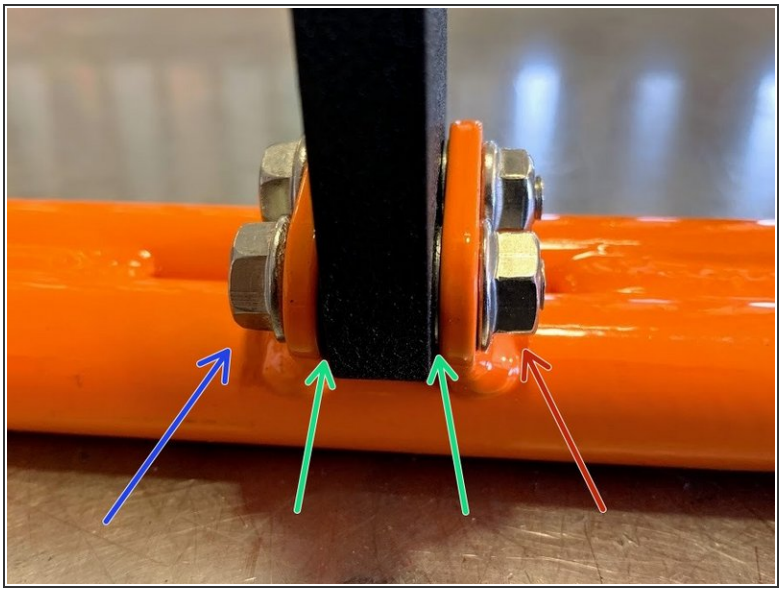


- Place the FSTB on workbench upside down as shown and locate the mounting tabs
- Orient the Brace to the FSTB as shown
- Align the mounting holes on the Master Cylinder Brake Brace with mounting holes on the FSTB

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Step 6 — Loosely Install Hardware onto Brace

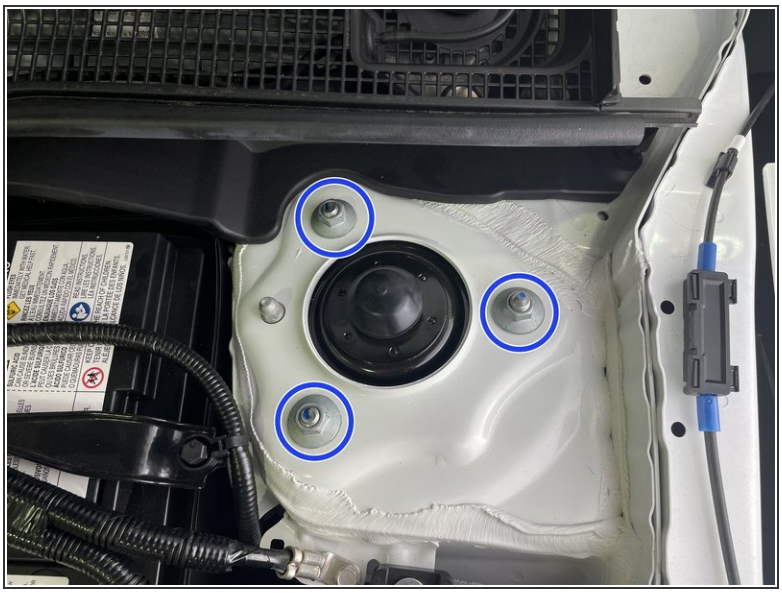


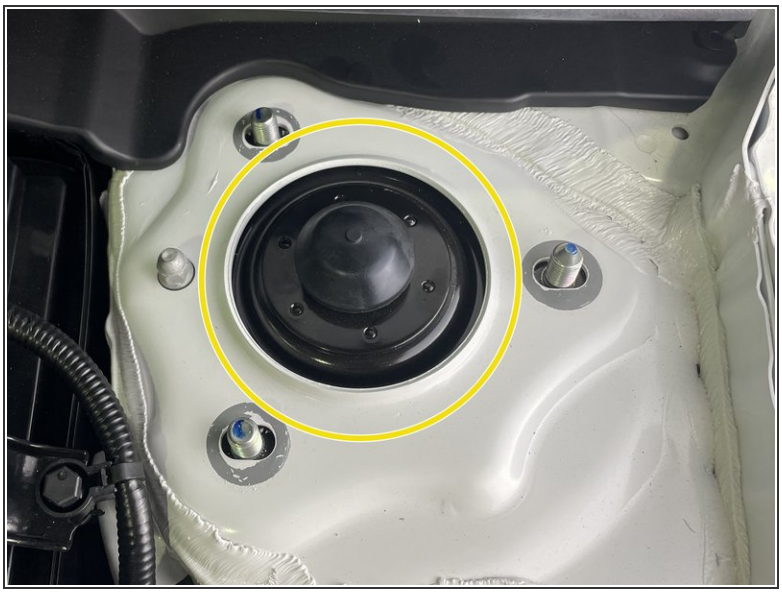


- When inserting the hardware into the mounting holes, make sure it is in this order. The orange arrows indicate mounting tabs and the black arrow indicates the MCBB
- Insert the two M6 bolts (blue arrow) through the aligned holes. Make sure the washers (green arrows) are sandwiched between the FSTB mounting tabs and the brake brace
- Loosely thread the two M6 nuts (red arrow) onto the bolts to hold it in place

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Step 7 — Prepare to Install FSTB





- ⓘ It's now time to install or reinstall the FSTB assembly with Master Cylinder Brace
- ⓘ For convenience we are including installation of FSTB from now on though this is a separate part with it's own installation instructions
- ⓘ If you removed the 27WON FSTB from your car earlier, skip to next step
- Remove three (3) flange nuts from Driver side strut tower with a 14mm socket and ratchet wrench
- Repeat for the passenger side
- Clean any debris from the strut top surface

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Step 8 — Place 27WON Strut Bar on Strut Towers





- Orientate the strut bar as shown
- Place each end of the strut bar down on the strut tops over the studs

Step 9 — Fasten Passenger Side of Strut Bar



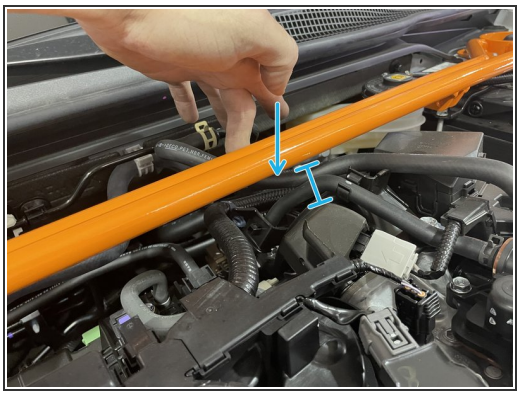
- Install the three (3) OEM flange nuts
- Using a torque wrench and 14mm socket, **torque each nut to 53-55 lb-ft**

Step 10 — Fasten Driver Side of Strut Bar



- Install the three (3) OEM flange nuts
- Using a torque wrench and 14mm socket, **torque each nut to 53-55 lb-ft**

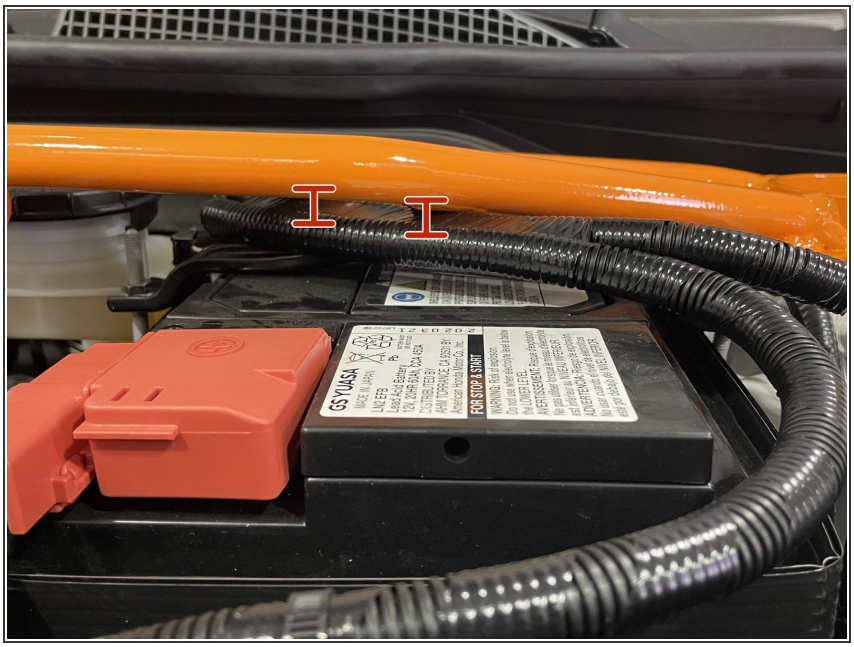
Step 11 — Secure the Vacuum Hose


- If you earlier removed the 27WON FSTB from your car, skip to next step
- With the FSTB installed in the car, the FSTB will contact the vacuum hose shown
- To stop the hose from rubbing on the FSTB during engine movement, the hose must be zip tied to the adjacent hose with the zip tie provided with FSTB
- Push down on the vacuum hose and loosely zip tie it to the adjacent hose to create space between hose and FSTB
  - ⚠ Be careful not to over tighten the zip tie as this could damage the hoses
- Cut the excess zip tie with wire cutters or scissors

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Step 12 — Verify Battery Cable Clearance



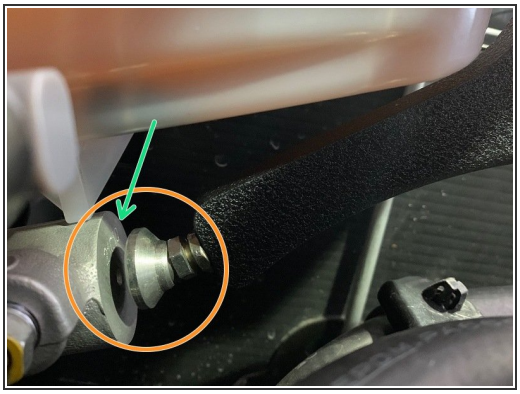
- The strut bar sits very close to the battery cable, please verify the cables are not pushing up into the strut bar

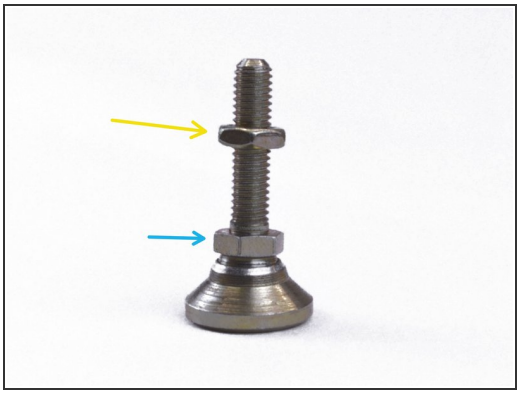
ⓘ If the cables are pushing into the strut bar, adjust the cables by flexing them toward the front of the car a bit to create clearance

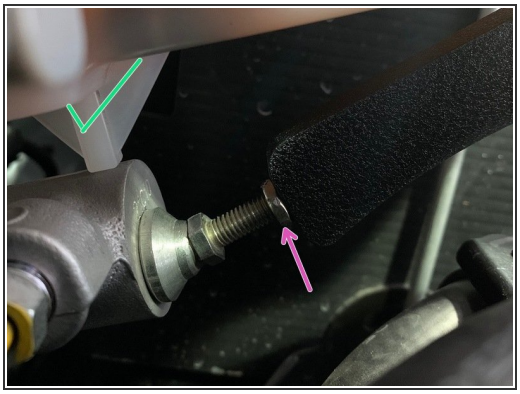
ⓘ The battery cables are insulated and protected by a plastic jacket but minimizing contact with the bar is preferred

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Step 13 — Adjust the Brake Brace Foot





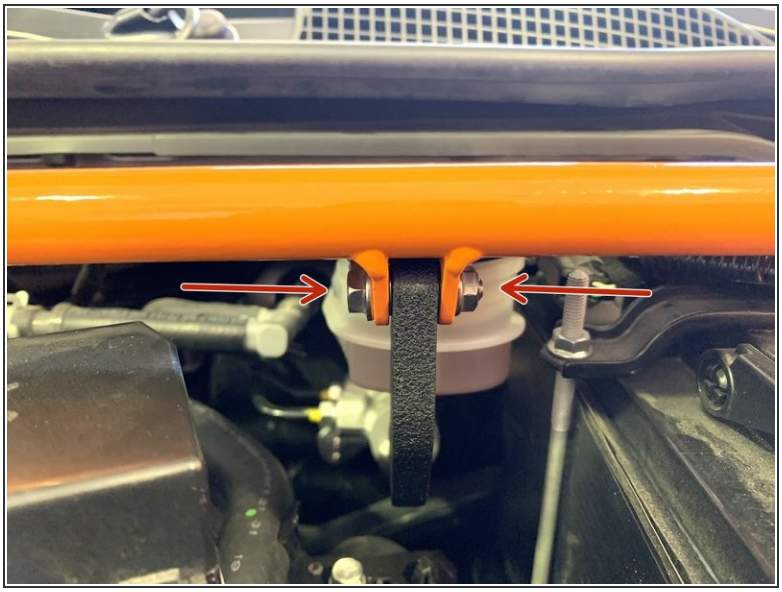


- With the brake brace loosely installed check the fitment of the brake brace foot to determine how much adjustment is needed, green arrow
- To adjust the brake brace foot, circled in orange, thread the top nut, shown by the yellow arrow, toward the foot with a 10mm open end wrench
- The brake brace foot can now be moved in or out by turning bottom nut, shown by the blue arrow, with a 10mm open end wrench
- Turn bottom nut until foot is snug against master cylinder as shown
- Once you have adjusted the foot to the proper location, then with a 10mm wrench, thread the top nut away from the foot until the nut butts up against the brake brace

ⓘ Brake Brace can rotate a bit at the strut bar which impacts location of foot on master cylinder

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Step 14 — Tighten Hardware

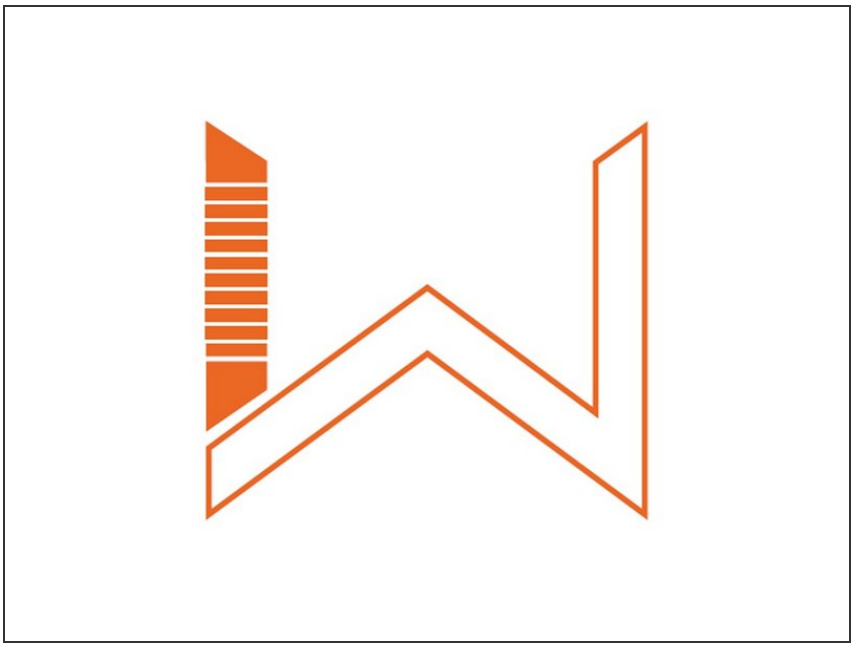




- Tighten both sets of M6 hardware using either two 10mm wrenches or one 10mm wrench and a 10mm socket with a ratchet, **tighten until snug (24-48 in-lbs)**

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Step 15 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance Master Cylinder Brake Brace
- We hope you were impressed with your 27WON experience and love your new Master Cylinder Brake Brace for years to come. Email us at sales@27won.com or call us at 571-271-0271 with any questions or concerns
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