

27WON

FE1-6-102 11th Gen EX/Touring Exhaust

11th Generation 27WON Exhaust for EX & Touring Civic Trims

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INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM exhaust and install the 27WON Performance Exhaust.

Advisory:

- Working under the vehicle requires a safe and sturdy location for the vehicle to sit on jackstands.
- The exhaust piping will be hot after recent vehicle operation. Allow the vehicle to cool or use a fan to cool the exhaust piping before working on the vehicle.

TOOLS:

- 3/8" Ratchet (1)
- 10mm Socket - Deep (1)
- 12mm Socket - Deep (1)
- 14mm Socket - Deep (1)
- 15mm Socket-Deep (1)
- 17mm Socket - Deep (1)
- 17mm Wrench (1)
- 3/8" Torque Wrench (1)
- Flathead Screwdriver (1)
- Phillips Screwdriver (1)
- Tongue and Groove Adjustable Pliers (1)
- Optional: Exhaust Pliers (1)
- Bungee Cord (1)
- Hydraulic Jack (1)
- Jack Stand (4)
- Cleaner Spray or Equivalent Lubricant (1)
- Pry tool (1)

PARTS:

- Driver Side Muffler Section (1)
- Passenger Side Muffler Section (1)
- Rearward Mid-Section (1)
- Forward Mid-Section (1)
- Tri-Bolt Gasket (4)
- M10x1.50x35mm Assembled Bolt (9)
- Step Nut - M10x1.25 Optional (3)
- Step Washer - M10 Optional (3)
- 11th Gen Front Pipe - Optional (1)
- 2&1 Gasket - Optional (1)
- M10x1.50x35mm Assembled Bolt - Optional (3)

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 Civic EX Sedan

Step 2 — Jack up Your Ride



- Jack up your 11th Generation Civic and place your jack stands in the appropriate mounting spots
 - ⓘ You can find this in your owners manual
- ⚠ Make sure you have supported your car properly. If done improperly, this could lead to serious injury

Step 3 — Protect Your Exhaust During Installation



- ① The following instructions are shown with no bubble wrap or cardboard for clarity of the installation process
- We recommend leaving as much protective bubble wrap/cardboard on the exhaust as possible during install to protect against scratches and dings during the process
- Cut holes in the bubble wrap to expose the flanges, hanger rods, and fastening locations

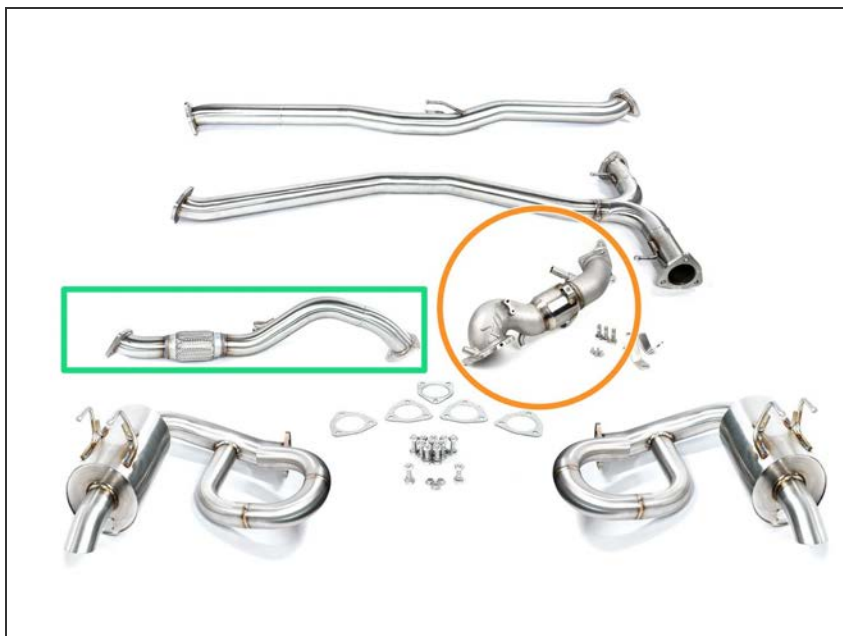
Step 4 — Use Our Handy Garage Banner or Floor Mat



- The 27WON packaging is not only designed to get your performance parts to your doorstep safely, but to also provide you with an awesome garage banner and/or comfy cardboard mat to lay on under your car for installation
 - You can cut out the banner as shown with the orange square
- Or you can use the entire unfolded box as a mat to lay under your vehicle

⚠ Remove the staples from the box as they don't feel great on your backside...

Step 5 — Exhaust Variations



- ⓘ This exhaust can be purchased in three varieties. Front pipe back, with Front pipe, and as a turbo back system which includes the front pipe and the downpipe
 - Front pipe
 - Downpipe
- ⓘ This guide describes the process for exhaust installation only. Front Pipe & Downpipe instructions are separate

Step 6 — Optional Downpipe Installation



- If you purchased your exhaust with the turbo back option then now is a great time to proceed with installation of the downpipe
- ⓘ There is some overlap with these instructions, particularly around removal of the skid tray
- ⓘ We think the easiest path is to come back to these instructions at step 19 of the downpipe instructions and resume at step 10 of these instructions
- [L15-6-209-15 11th Gen Downpipe install instructions](#)

Step 7 — Optional Frontpipe Installation



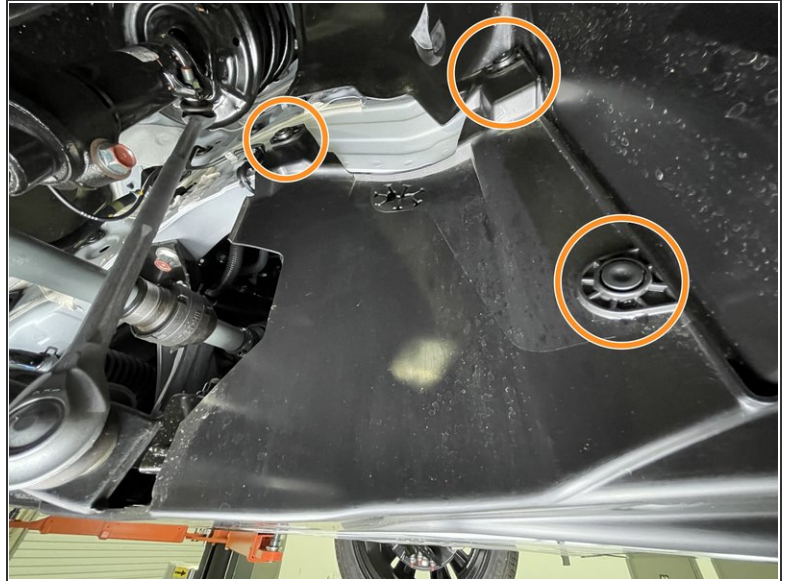
- ⓘ These instructions include the optional 27WON front pipe

Step 8 — Remove the Skid Tray Part A

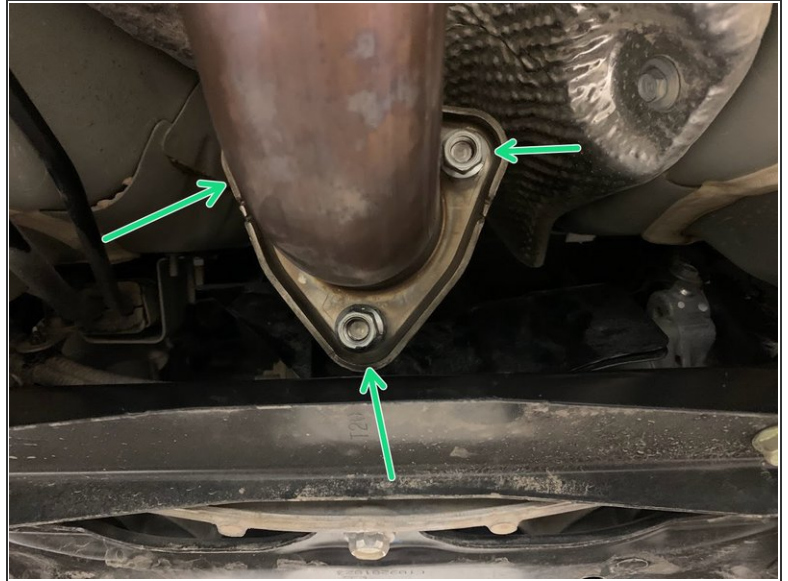
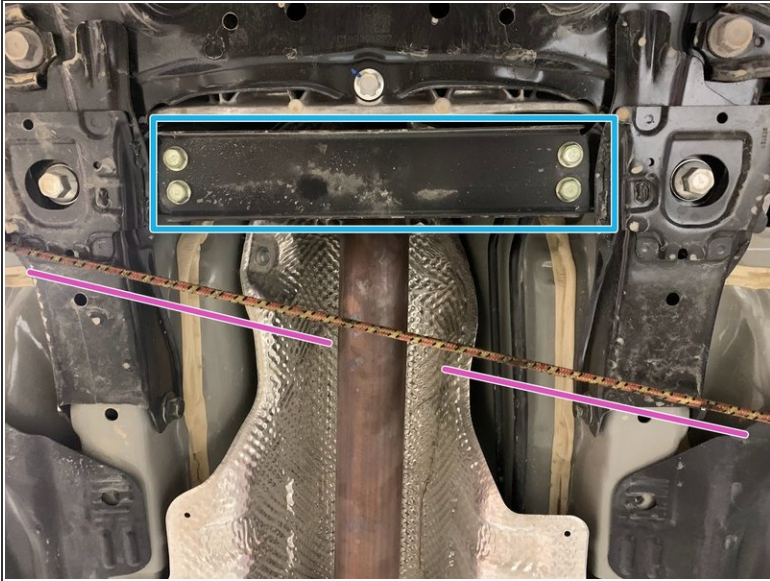


- Locate the Skidtray
- We recommend using a prying tool like the one shown by the green square
- Use a flathead screwdriver or a prying tool to remove the fourteen (14) plastic push-clips circled in orange. **Orange arrows identify the eight (8) additional push-clips described in the next step that are removed last**
- Use a #2 Philips head screw driver to remove the two (2) Philips pan head screws shown in red circles
- Use a 10mm socket & ratchet to remove the two (2) short head shoulder bolts shown in dark blue circles
- Use a 10mm socket & ratchet to remove the four (4) tall head shoulder bolts shown in light blue circles

Step 9 — Remove the Skid Tray - Part 2



- Use a large flat head screw driver or prying tool to remove the four (4) push-clips from **each** front wheel well

Step 10 — Unbolt OE Exhaust from Front Pipe

- Remove (4) 14mm bolts shown for easier access to flanges
- Support where the exhaust meets the front pipe with a bungee cord
- Using a 14mm socket, remove the (3) bolts shown

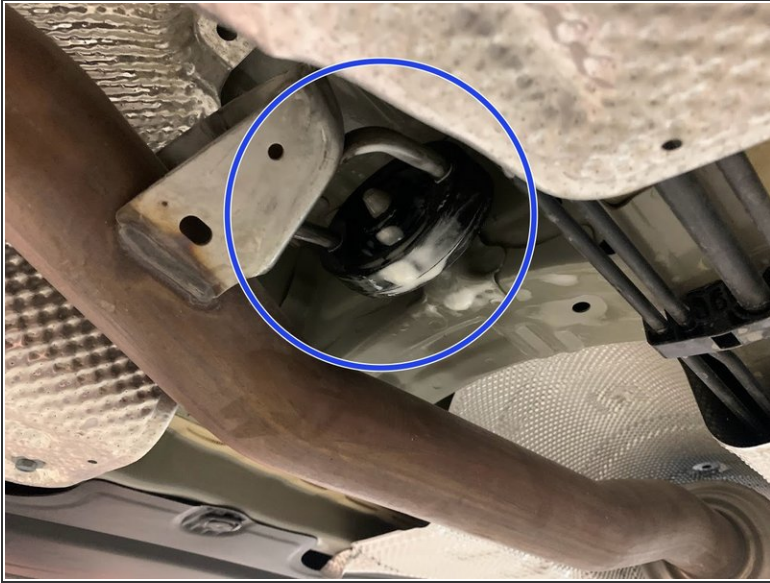
Step 11 — Tips for Removing Exhaust Hangers



i We'll show each hanger in the next steps. Hangers can be very difficult to get off. Here are a few ways to approach this

- Spray hanger as shown with lubricant. We like glass cleaner
- Using your Tongue & Groove Pliers, pry the rubber bushing from the metal hanger
- Or, the easiest way is to use exhaust pliers. You can get these on Amazon for around \$20

Step 12 — Remove the Mid-Pipe Hanger



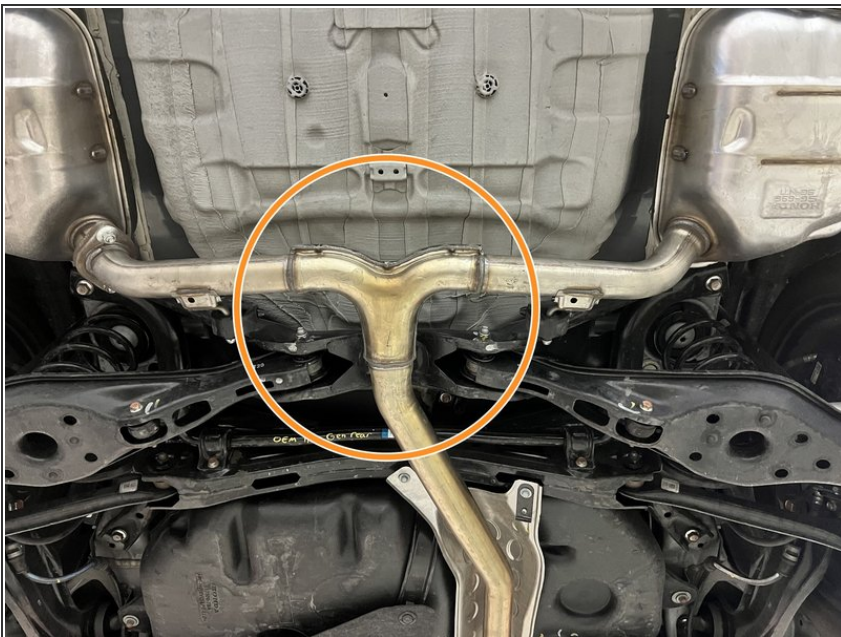
- Using a spray cleaner, lubricate the front hangers and rubber support
- Use tongue & groove pliers to press the rod out of the rubber hanger. Remove the hangers of the exhaust from the rubber supports as shown

Step 13 — Remove Both Exhaust Tip Supports



- ① Shown is the passenger side rear hanger, repeat this for the driver side
- Using a spray cleaner, lubricate the rear hangers and rubber supports
- Use tongue & groove pliers to press the rods out of the rubber hanger, then remove the hangers off the exhaust from the supports as shown

Step 14 — Support the Exhaust



- Using a transmission jack, floor jack, or a friend support the OE exhaust in the marked area

Step 15 — Remove Both Rear Mid-Pipe Hanger Supports



- Using a spray cleaner, lubricate the remaining rear hangers and rubber supports
- Use tongue & groove pliers to press the rod out of the rubber hanger then remove the hangers off the exhaust from the rubber supports as shown

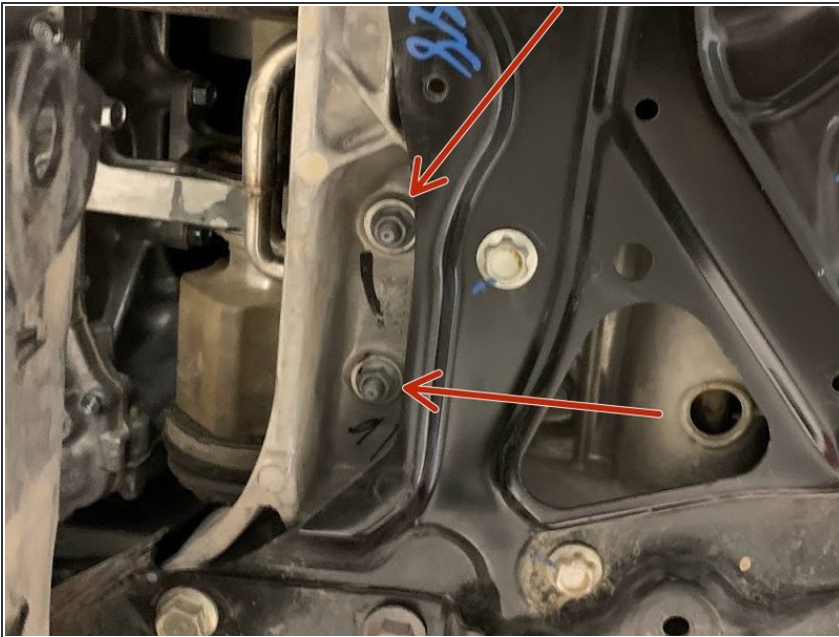
⚠ If the exhaust is unsupported, it will fall and possibly become damaged. If not done yet, make sure you support the OE exhaust

Step 16 — Remove the OE Exhaust



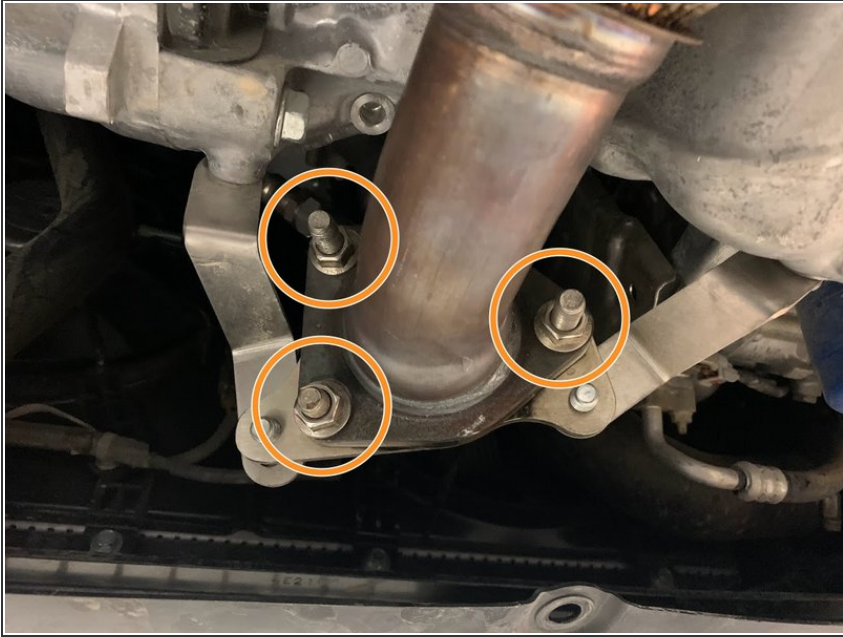
- With the exhaust unbolted and removed from the hanger supports, remove from the car and set aside
- If you did not buy the exhaust with a Front pipe, skip to step 24 now

Step 17 — Loosen Front Pipe Hanger Support



- Locate the front pipe support
- Using a 12mm socket, remove the (2) bolts holding the front pipe support

Step 18 — Unbolt the Front Pipe From the Down Pipe



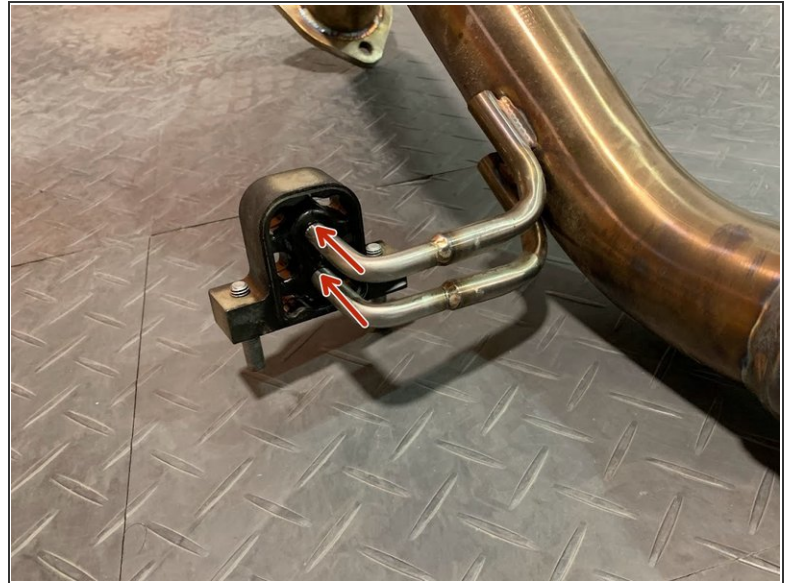
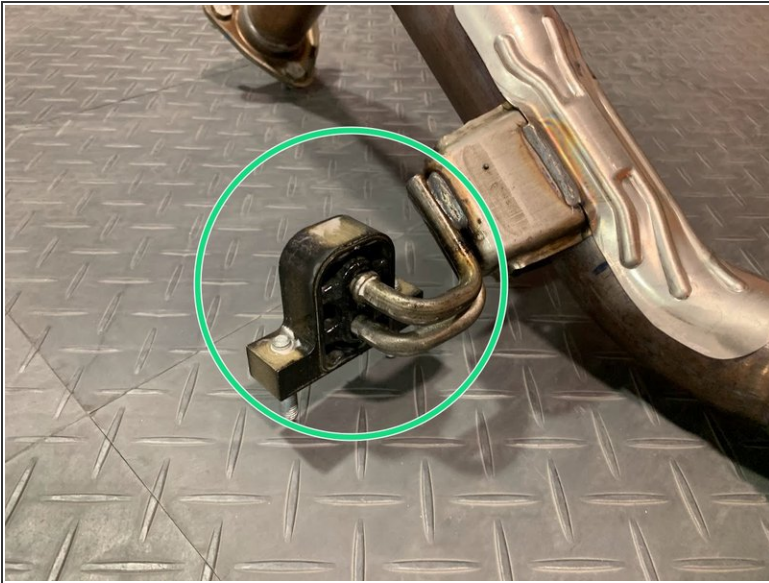
- ❗ Shown is the 27WON Downpipe. Your OE Downpipe will look slightly different
- If you have the 27WON Downpipe installed, use a 15mm socket to remove the (3) nuts holding the front-pipe to the downpipe
- If you have the OE Downpipe installed, use a 14mm socket to remove the (3) nuts holding the front pipe to the down pipe

Step 19 — Remove the Front Pipe



- With the front pipe unbolted, remove the front pipe from the car and set aside

Step 20 — Swap Front Pipe Hanger



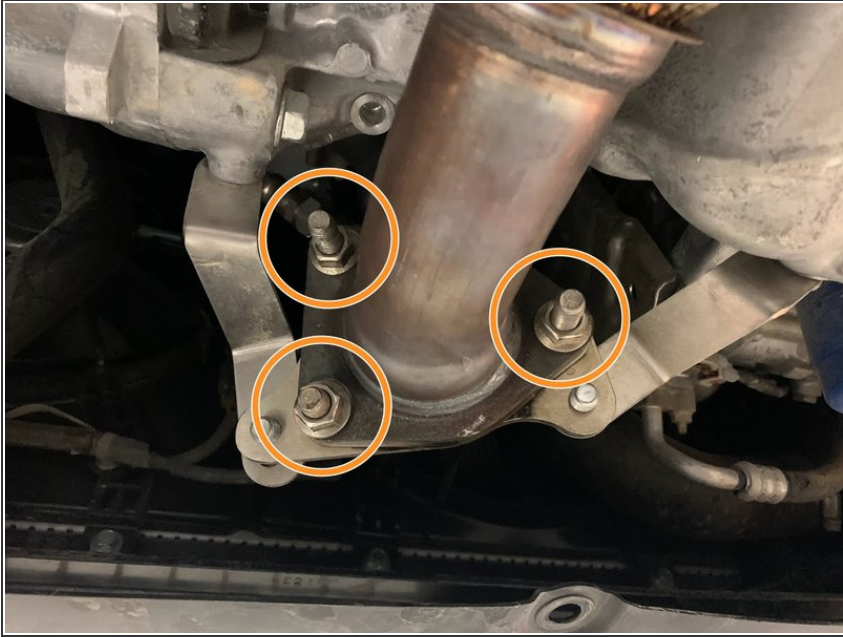
- Using a spray cleaner, lubricate the front pipe hanger and remove it from the OE front pipe using pliers or a hanger removal tool
- Reinstall the hanger on the 27WON front pipe

Step 21 — Install the 27WON Front Pipe



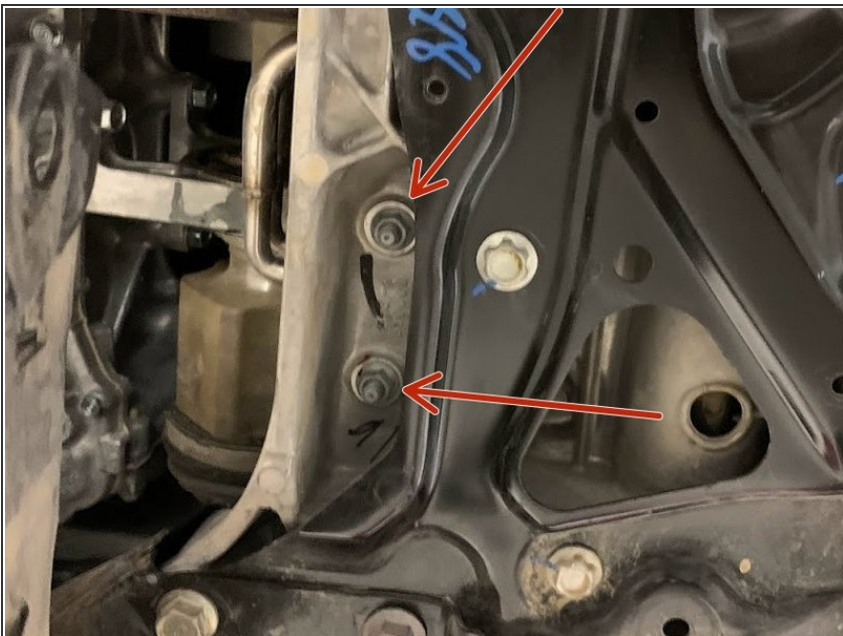
- Guide the 27WON front pipe into the car
- Guide the front pipe support studs back into their location

Step 22 — Bolt the Front Pipe to the Down Pipe



- ❗ Shown is the 27WON Downpipe. Your OE Downpipe will look slightly different
- If you have the 27WON Downpipe installed, use a 15mm socket to reinstall the (3) nuts that hold the front pipe to the downpipe
- If you have the OE Downpipe installed, use a 14mm socket to reinstall the (3) nuts that hold the front pipe to the down pipe

Step 23 — Bolt Down the Front Pipe Hanger Support



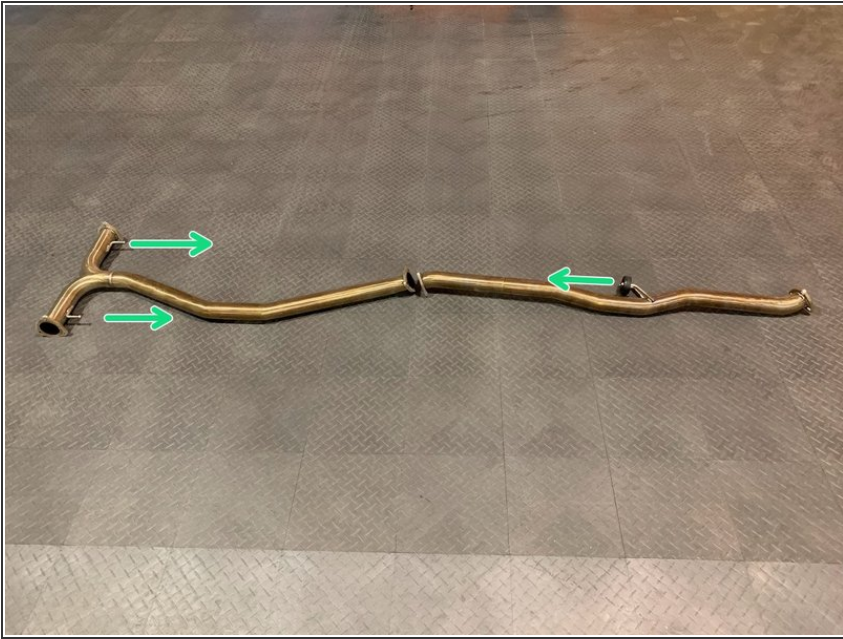
- Using a 12mm socket, reinstall the (2) bolts to secure the front pipe support to the chassis

Step 24 — Swap Forward Mid-pipe Hanger



- Using a spray cleaner, lubricate the front hanger and rubber support as shown
- Use tongue & groove pliers to press the rod out of the rubber hanger, remove the rubber support off the OE exhaust hangers as shown
- Reinstall the rubber support on the 27WON forward mid-pipe hangers

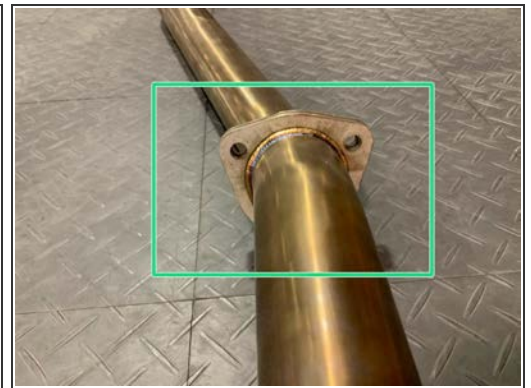
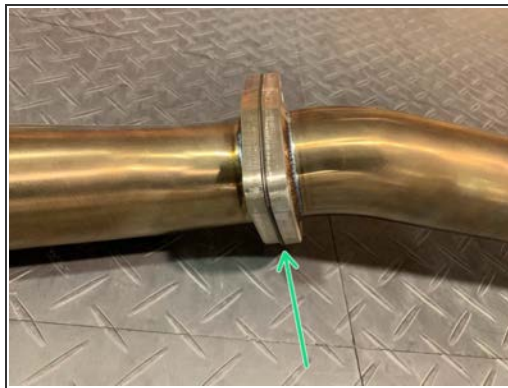
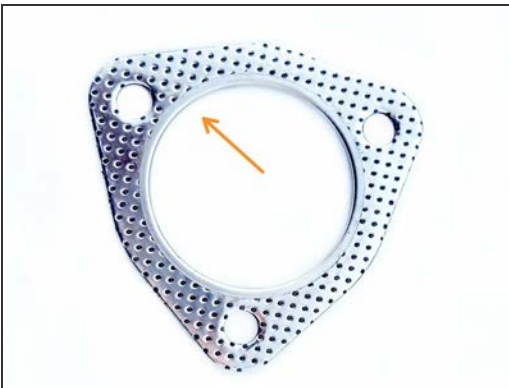
Step 25 — Align the Forward Mid-Pipe and Rear Mid-Pipe



i This step could be done on the car. For reference, it is shown off the car here. The install process will look different from what we describe here if done on the car

- Align the two mid-pipes as shown. Their orientation is critical for proper exhaust fitment
- Use the hangers for reference

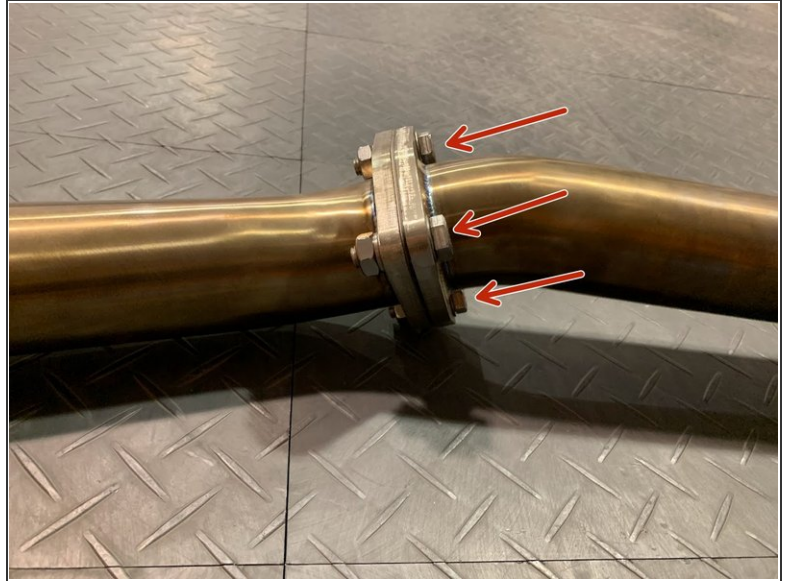
Step 26 — Connect the Forward Mid-Pipe and Rear Mid-Pipe



- Insert a provided "tri-bolt" gasket between the two flanges of the mid-pipes
- Align the flanges as shown

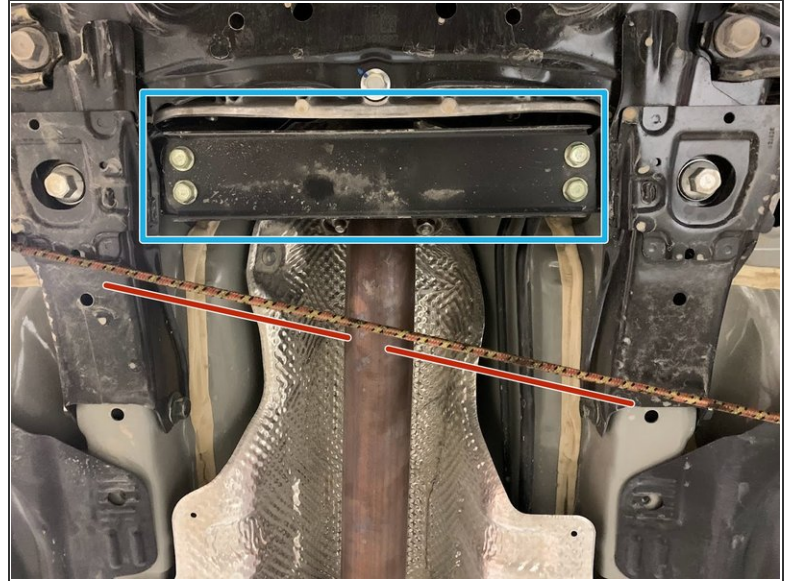
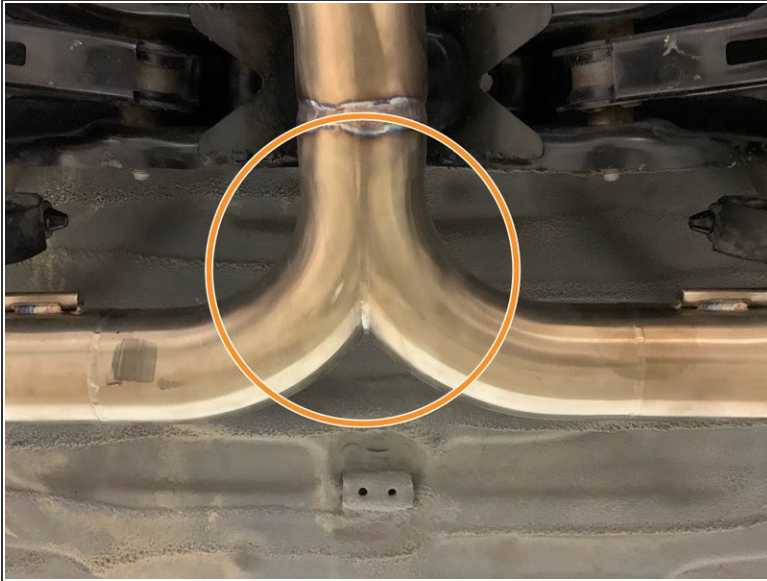
⚠ Perfect alignment of the flanges here is critical. Even 1mm of misalignment can cause a big fitment issue at the rear of the car

Step 27 — Install Hardware



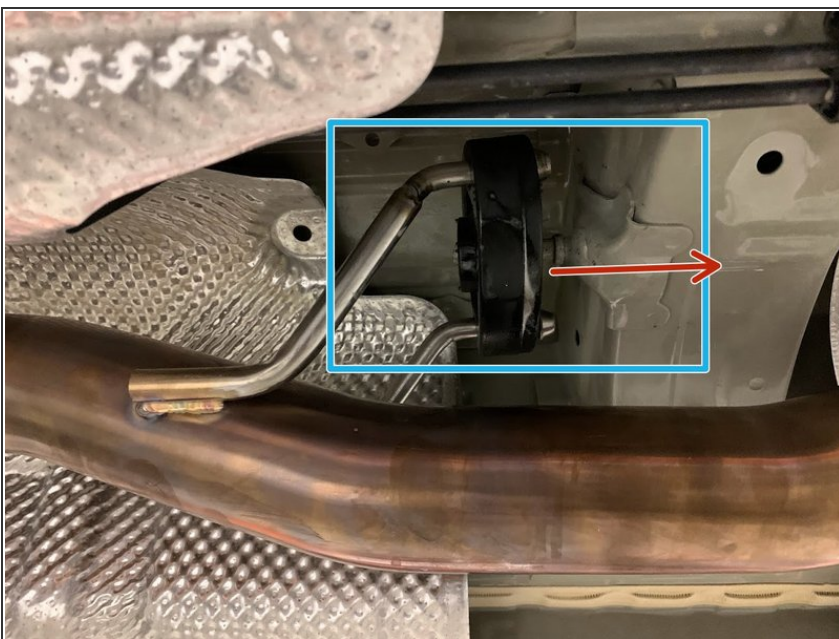
- ⓘ Make sure the exhaust flanges go where the green arrow is indicating when installing your hardware in all flanges in your 27WON exhaust system
- Install 3 sets of hardware as shown using a 17mm socket and 17mm wrench. Hand tighten the hardware for now

Step 28 — Position Assembled Mid-pipes on Car



- Using the same location as before, support the back of your 27WON exhaust with a friend or jack
- Support the front section with a bungee cord
- Reinstall brace **later**

Step 29 — Reconnect Front Hangers

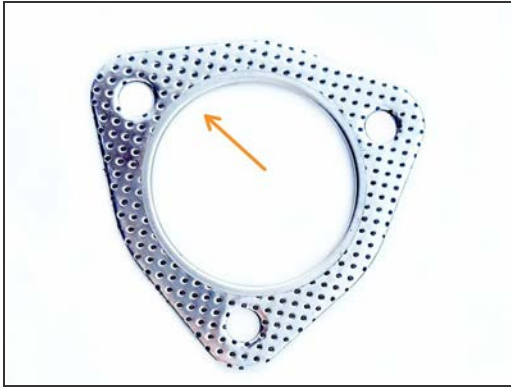


- Using a spray cleaner, lubricate the rubber hanger
- Reinsert the front hanger to the chassis hanger as shown

Step 30 — Reconnect Both Rear Mid-pipe Hangers

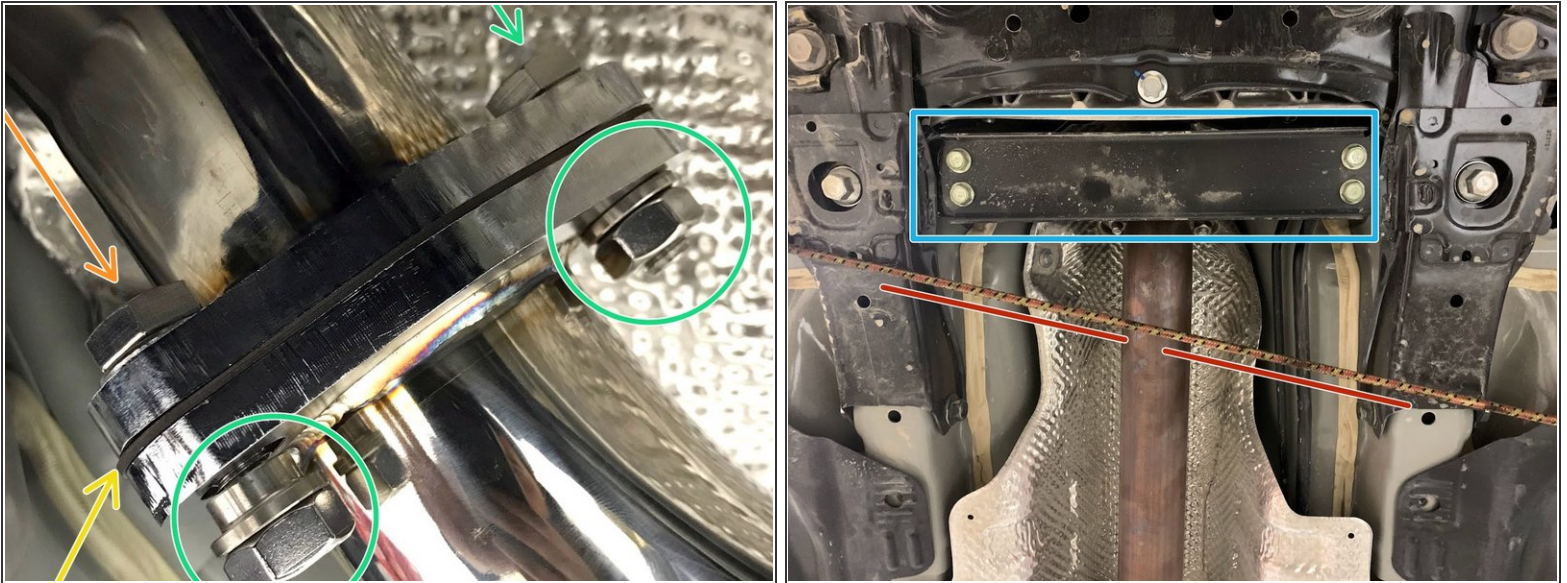


- Using a spray cleaner, lubricate the hanger support
- Reconnect the rubber hanger to the exhaust hanger
- Repeat this step for the other hanger on the rear mid-pipe

Step 31 — Gather Parts to Fasten Mid-Section to 27WON Front Pipe

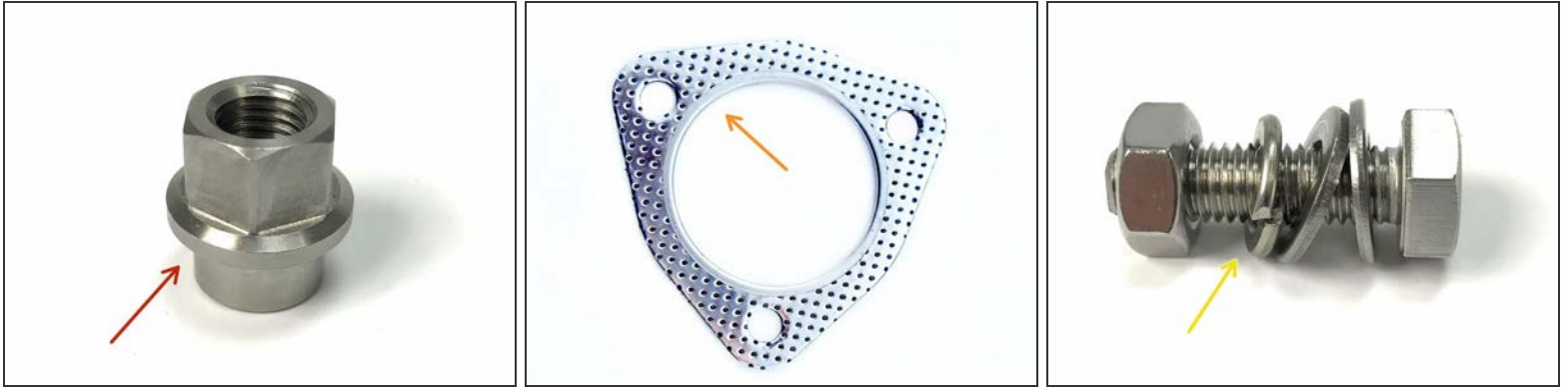
- i** Skip to step 33 if you did not buy the optional front pipe
- Locate a provided "tri-bolt" gasket for front-pipe installation
 - Locate QTY=3 provided 35mm length assembled M10 bolts
 - Locate QTY=3 provided step bushings

Step 32 — Connect 27WON Front-Pipe to 27WON Exhaust



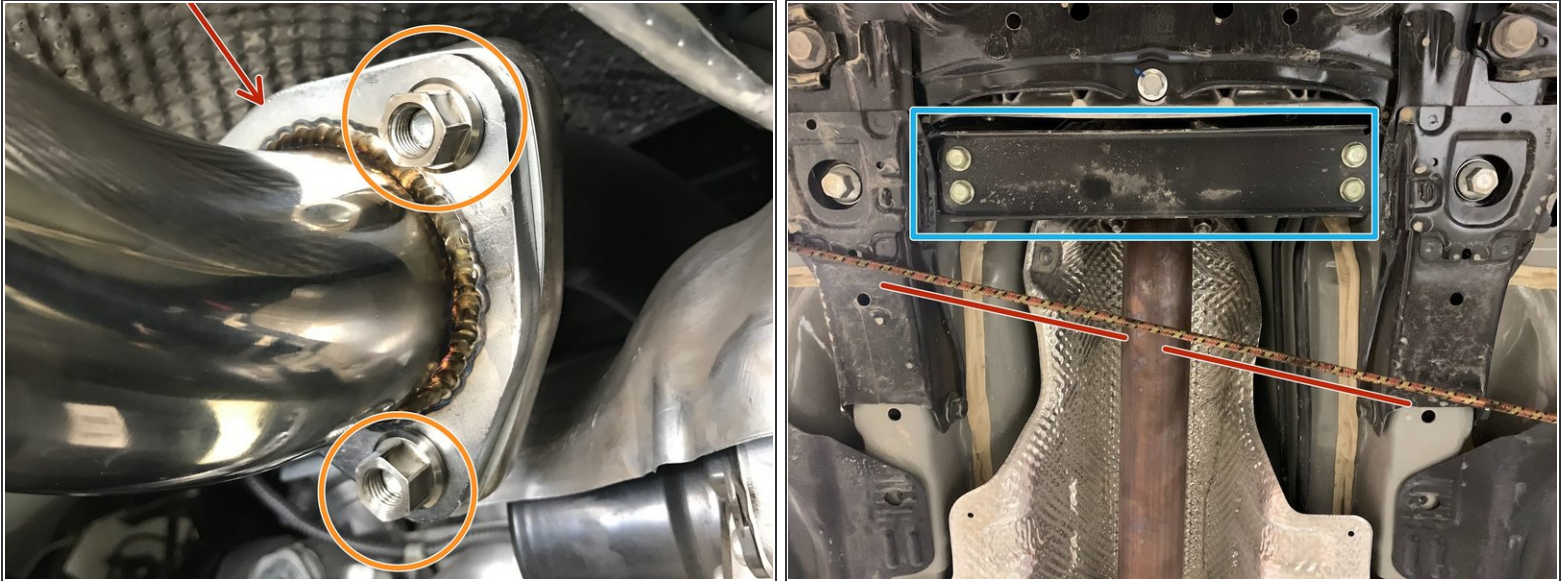
⚠️ Perfect alignment of the flanges is critical. Even 1mm of misalignment can cause a big fitment issue at the rear of the car

- Place a provided "tri-bolt" gasket between the flanges
- Using the 35mm length M10 bolts, insert the bolts through the front-pipe flange first
- Install the provided step washers as shown
- ⚠️ When using the step bushings, **DO NOT** use the flat washer and split lock washer with the bolts
- ⚠️ It is important that the provided step bushings are used with the 27WON Front-Pipe Back Exhaust to properly align the flanges
- While hand tightening the nuts, verify that the step washers are properly inserted into the flange
- Reconnect (4) bolts shown to secure bracket

Step 33 — Gather Parts to Fasten Mid-Section to OE Front Pipe

i If you purchased a 27WON front pipe then skip to step 35

- Locate QTY=3 provided step nuts
- Locate QTY=1 provided tri-bolt gaskets
- Locate QTY=3 provided 35mm length M10 bolts

Step 34 — Connect OEM Front-Pipe to 27WON Exhaust

⚠ Perfect alignment of the flanges is critical. Even 1mm of misalignment can cause a big fitment issue at the rear of the car

- Install the provided "tri-bolt" gasket onto the OE front-pipe
- Align the studs through the flange then hand tighten the step nuts
- Reinstall (4) bolts as shown to secure bracket

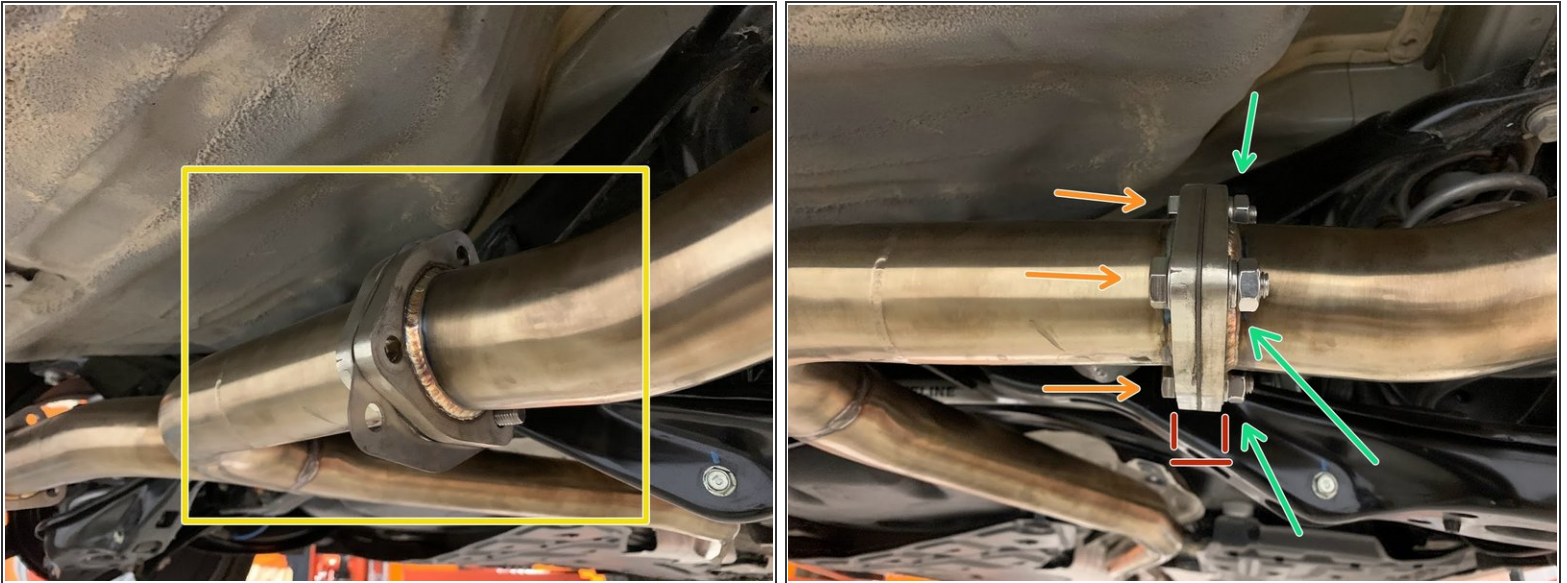
Step 35 — Hang Muffler Sections



⚠ Use caution not to damage exhaust tips

- Using a spray cleaner, lubricate the hanger support for the muffler section
- Reconnect the rubber hanger to the exhaust hanger as shown
- ⓘ It's ok to allow the muffler section to hang on the rubber support while you quickly get the hardware for the flanges
- Repeat this step for the other side

Step 36 — Bolt Up Muffler Sections



- In one go, insert a provided "tri-bolt" gasket between the rear mid-pipe flange and the muffler flange then insert a bolt and washer to hold the sections together

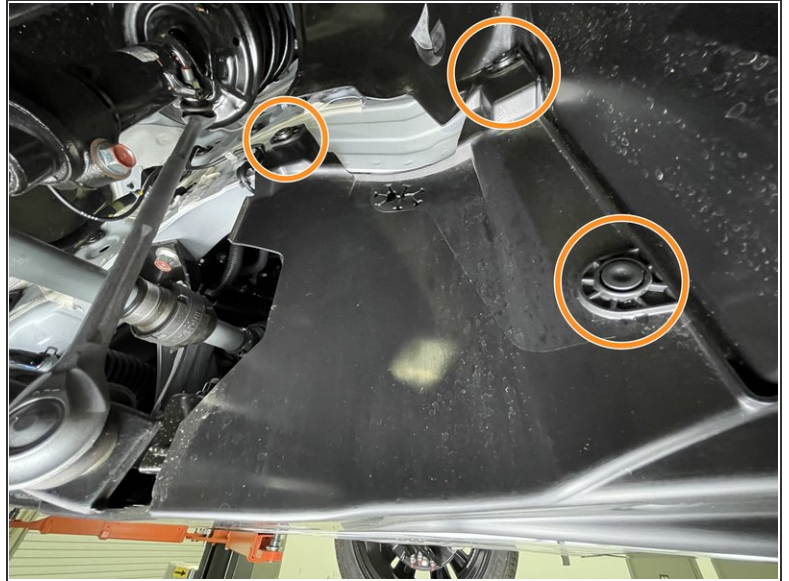
⚠ Perfect alignment of the flanges is critical. Even 1mm of misalignment can cause a big fitment issue at the rear of the car

- Align the gasket and flange properly and insert the other two (2) bolts
- Using the same hardware stack up as before, install the washer, split washer, and nut for each bolt
- Hand tighten the (3) nuts
- Repeat this step on the other side

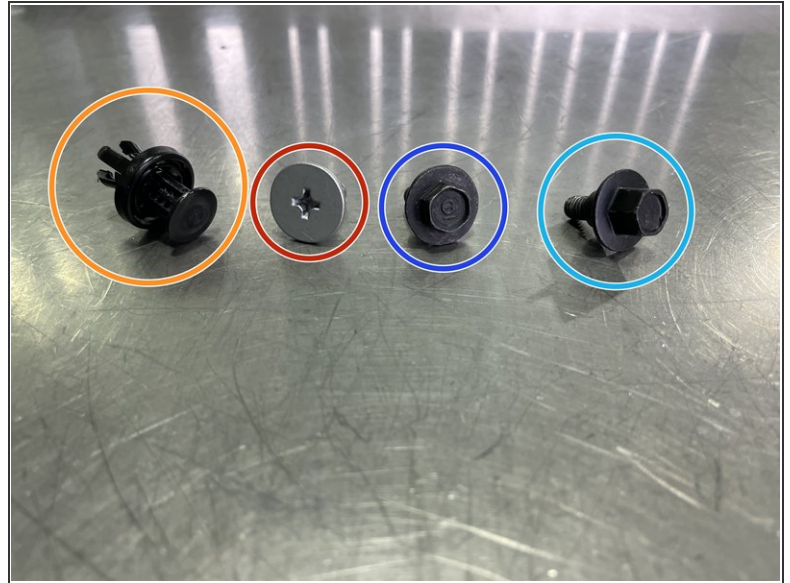
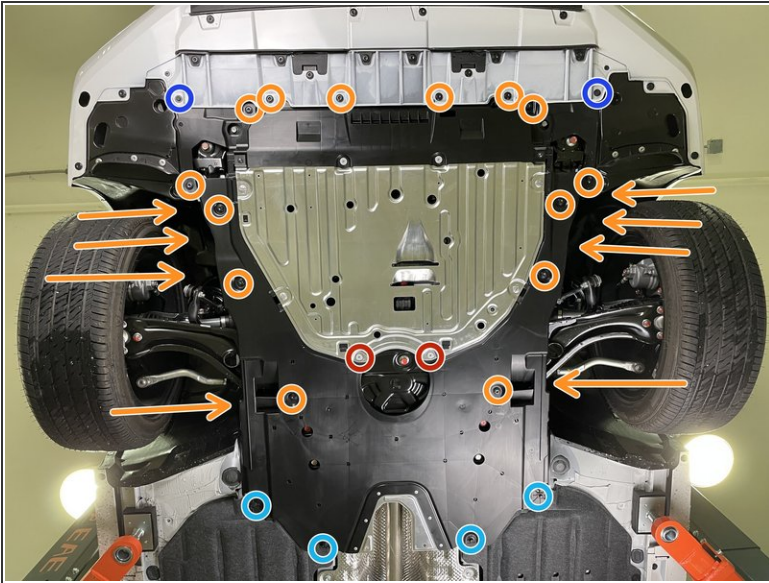
Step 37 — Check Exhaust Tips Alignment



- Stand back several feet from the car and inspect the exhaust
- ⓘ If the tips are sitting high, there may be a rubber hanger that is upside-down. Verify that all hangers are oriented correctly
- If the tips are not centered, starting from the rear section, loosen the flange bolts and nut hardware moving down the system and re-align the flanges as needed
- ⓘ It can be tricky to get all the flanges just so. A very small fitment difference at the front pipe can make a big difference to how the mufflers hang
- Once tips are centered, torque down all hardware to **25~30 ft lbs**
- Check again that exhaust tips are positioned properly

Step 38 — Reinstall the Skid Plate - Part 1

- Reinsert the (4) push pins into the mounting spots as shown
- Repeat this step on the other side

Step 39 — Reinstall the Skid Plate - Part 2

- Reinstall the fourteen (14) plastic push-clips circled in orange
- Using a Philips head screw driver, reinstall the two (2) Philips pan head screws shown in red circles
- Using a 10mm socket and ratchet, reinstall the two (2) short head shoulder bolts shown in dark blue circles
- Using a 10mm socket & ratchet reinstall the four (4) tall head shoulder bolts shown in light blue circles

Step 40 — Check for Leaks and Rattles



- i** Start the vehicle to check for leaks or rattles. If none, then take a spin around the block for further verification. If you do find a leak or rattle, please inspect the exhaust further
- A leak could be caused by a loose flange bolt, improperly used gasket, or if debris is stuck between the gasket and flange
 - A rattle could be caused by misaligned pipe or a rubber hanger being orientated incorrectly
 - If you have "exhausted" all options, then give us a call and we would be happy to help resolve any issues

Step 41 — Notes During Break-In



- Exhaust may smoke for the first 30 minutes or so of use. This is normal
- Exhaust sound will settle a bit during the first 100 miles of use. This is normal
- Your Honda has a cold start system which causes louder exhaust for around 15 seconds when you first start your car

Step 42 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance Exhaust
- We hope you were impressed with your 27WON experience and love your new exhaust system for years to come. Email us at sales@27won.com or call us at 571-271-0271 with any questions or concerns
- Please leave a review here: <https://store.27won.com/11thgen-civic-se...>
- Stay Connected with the latest developments with the 27WON Monthly Newsletter: <https://store.27won.com/27won-newsletter...>
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