



FE1-6-105 11th Gen Sport/LX Exhaust

11th Generation 27WON Exhaust for Sport & LX Trims with 2.0L

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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:

- Passenger Side Muffler Section (1)
- Rearward Mid-Section (1)
- Forward Mid-Section (1)
- Tri-Bolt Gasket (3)
- M10x1.50x35mm Assembled Bolt (6)
- Step Nut - M10x1.25 (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 Sport 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 — Remove the Skid Tray Part A



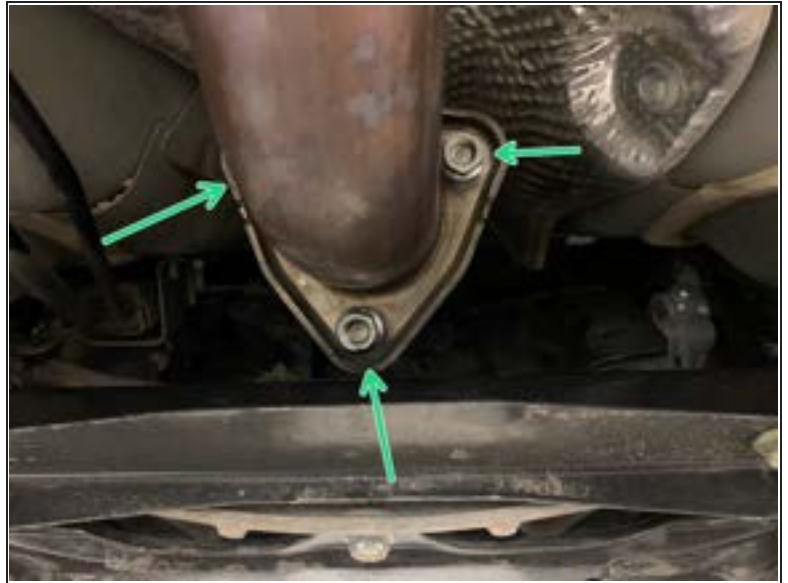
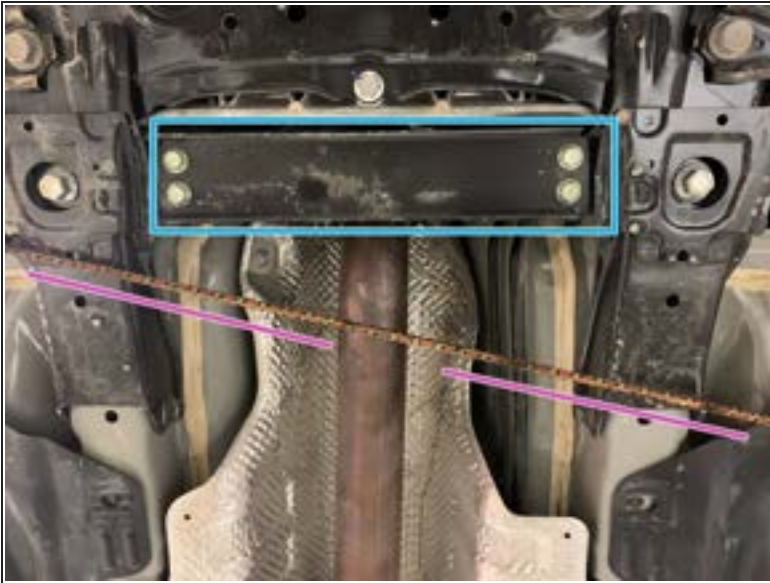
- Locate the Skidtray
- We recommend using a prying tool like the one shown by the green square
- Use a flathead screwdriver or a prying tool to remove the fourteen (14) plastic push-clips circled in orange. **Orange arrows identify the eight (8) additional push-clips described in the next step that 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 6 — 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 7 — Unbolt OE Exhaust from Front Pipe



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

Step 8 — Tips for Removing Exhaust Hangers



- ⓘ 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 9 — 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 10 — Remove Exhaust Tip Hanger



- 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 hanger off the exhaust from the support as shown

Step 11 — Support the Exhaust



- Using a transmission jack, floor jack, or a friend support the OE exhaust as shown

Step 12 — Remove Rear Mid-Pipe Hanger



- Using a spray cleaner, lubricate the remaining rear hanger and rubber support
 - Use tongue & groove pliers to press the rod out of the rubber hanger then remove the hanger 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 13 — Remove the OE Exhaust



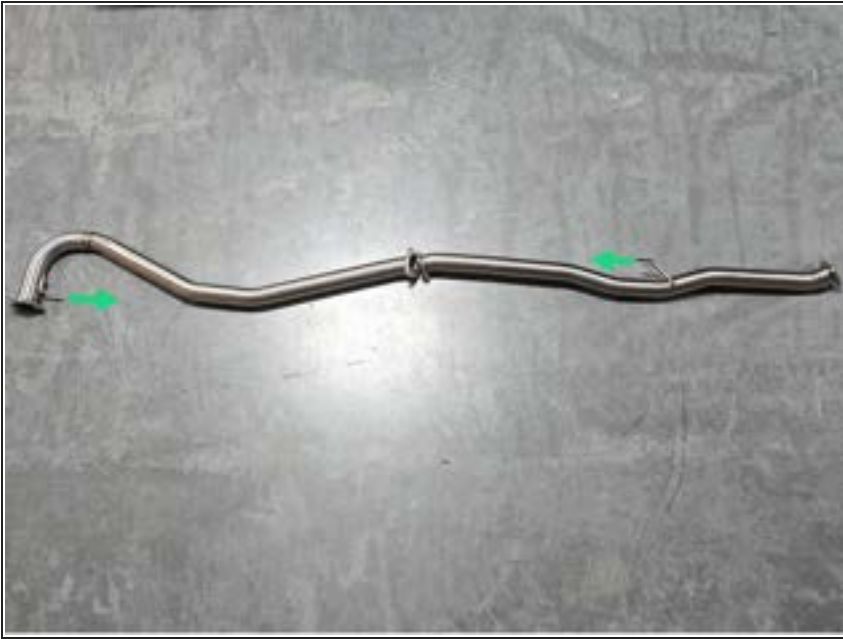
- With the exhaust unbolted and removed from the hanger supports, remove from the car and set aside

Step 14 — Swap Forward Mid-pipe Hanger



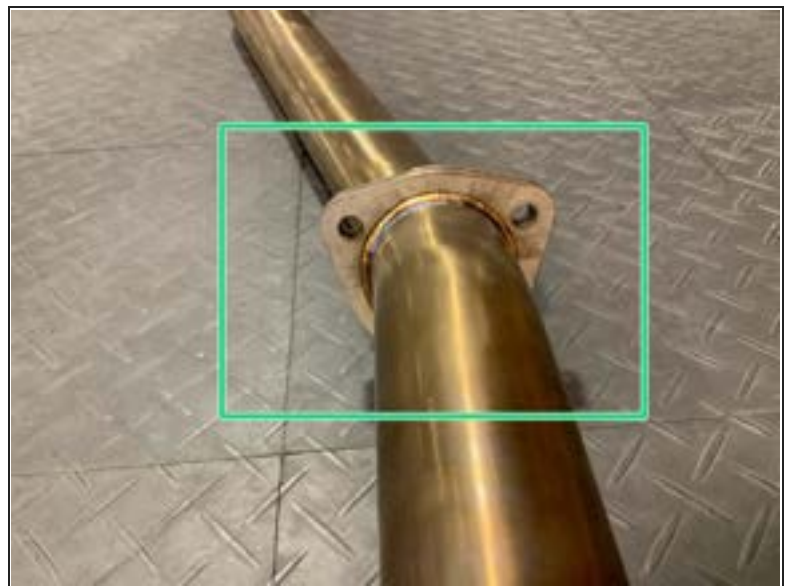
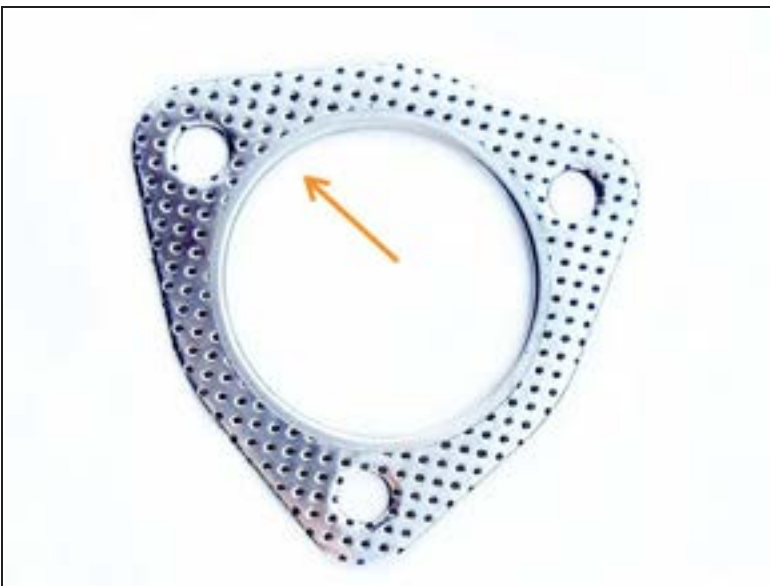
- Using a spray cleaner, lubricate the front hanger and rubber support as shown
- Use tongue & groove pliers to press the rod out of the rubber hanger, remove the rubber support off the OE exhaust hangers
- Reinstall the rubber support on the 27WON forward mid-pipe hangers

Step 15 — Align the Forward Mid-Pipe and Rear Mid-Pipe



- ① This step could be done on the car. For reference, it is shown off the car here
- Align the two mid-pipes as shown. Their orientation is critical for proper exhaust fitment
- Use the hangers for reference

Step 16 — 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 17 — Install Hardware



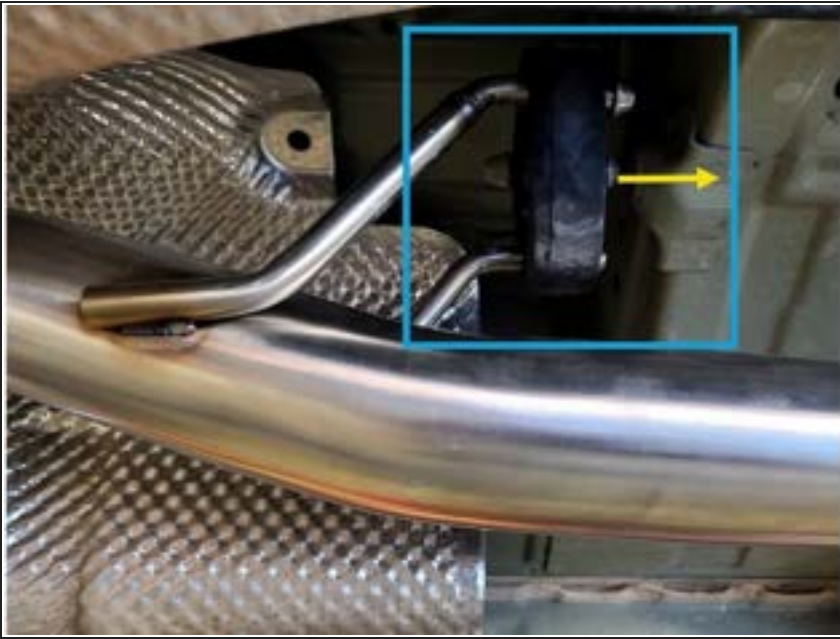
- ⓘ Make sure the exhaust flanges go where the green arrow is indicating when installing your hardware in all flanges in your 27WON exhaust system
- Install 3 sets of hardware as shown using a 17mm socket and 17mm wrench. Hand tighten the hardware for now

Step 18 — Position Assembled Mid-pipes on Car



- Using the same location as before, support the back of your 27WON exhaust with a friend or jack
- Place forward mid-pipe on front pipe studs as shown. Support the front section with a bungee cord in case it slips off

Step 19 — Reconnect Front Hangers



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

Step 20 — Reconnect Rear Mid-pipe Hanger



- Using a spray cleaner, lubricate the hanger support
- Reconnect the rubber hanger to the exhaust hanger
- Remove Bungee Cord near front pipe

Step 21 — Gather Parts to Fasten Mid-Section to OE Front Pipe

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

Step 22 — Connect OEM Front-Pipe to 27WON Exhaust

⚠ Perfect alignment of the flanges is critical. Even 1 mm 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 23 — Hang Muffler Section



 Use caution not to damage exhaust tip

- 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 get the hardware for the flange

Step 24 — Bolt Up Muffler Section



- 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 1 mm of misalignment can cause a big fitment issue at the rear of the car
- Align the gasket and flanges 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

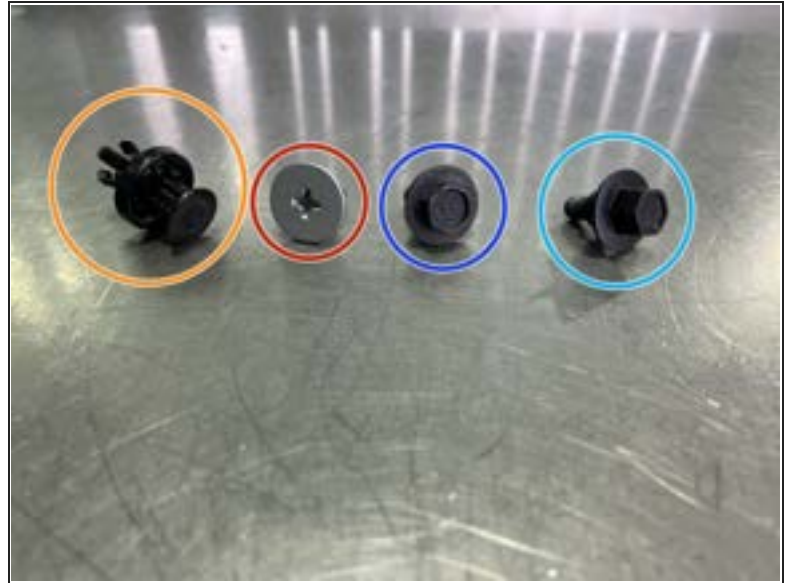
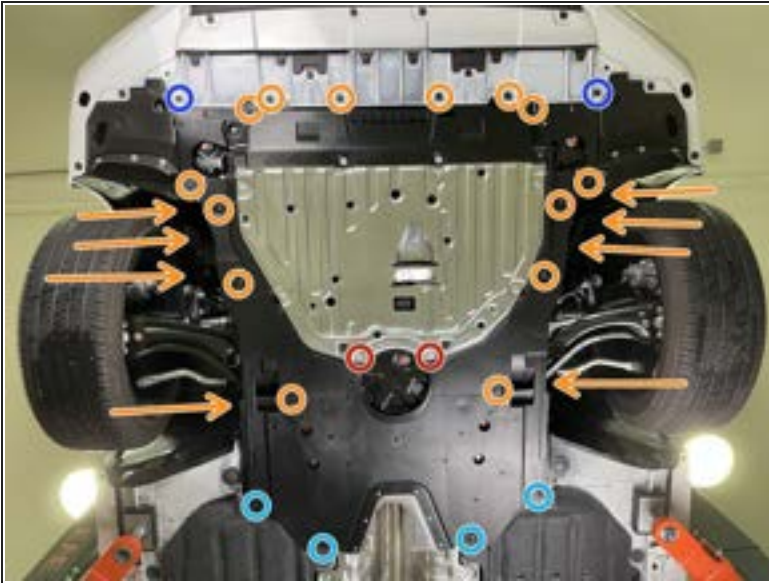
Step 25 — Check Exhaust Tips Alignment



- Stand back several feet from the car and inspect the exhaust
- ⓘ If the tip is sitting high, there may be a rubber hanger that is upside-down. Verify that all hangers are oriented correctly
- If the tip is not centered, starting from the rear section, loosen the flange bolts and nut hardware moving down the system and realign 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 tip is positioned properly

Step 26 — 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 27 — 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 28 — Check for Leaks and Rattles



- ① 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 29 — 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 30 — 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/2022andnewer-hon...>
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