L15-6-209-15 11th Gen Downpipe

11th Generation Downpipe for 2022+ Honda Civic

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INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM downpipe and install the 27WON Performance downpipe on a 2022+ Honda 1.5L Turbo Civic.

Advisory:

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

TOOLS:

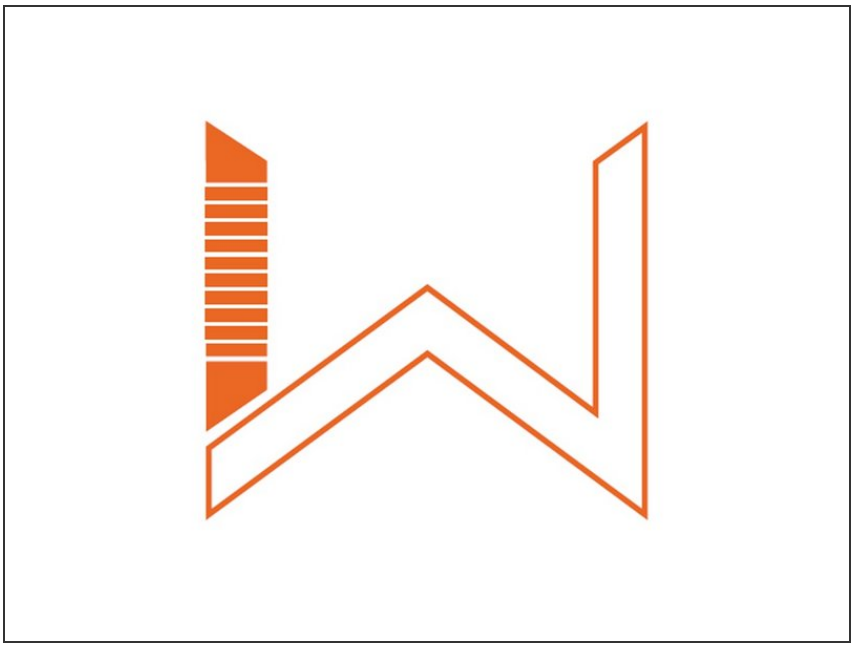
- 1/4" Ratchet (1)
- 4" Extension (1/4" Drive) (1)
- 5.5mm Socket (1/4" Drive) (1)
- 10mm Socket (1/4" Drive) (1)
- 12mm Socket (1/4" Drive) (1)
- Torque Wrench (3/8" Drive) (1)
- 3/8" Ratchet (1)
- 4" Extension (3/8" Drive) (1)
- Breaker Bar (3/8" Drive) (1)
- 14mm Socket (3/8" Drive) (1)
- 15mm Socket (3/8" Drive) (1)
- Wrench, 12mm (1)
- Wrench 22mm (1)
- Flathead Screwdriver (1)
- Phillips Screwdriver - #2 (1)
- Push Clip Removal Tool (1)
- Loctite or Permatex Anti-Seize (1)
- Jack Stand (2)

PARTS:

- 27WON Performance DownPipe (1)
- M6x1.0x12mm Flange Bolts (4)
- M10 x 1.5mm flange nut (3)
- M10x1.5mmx42mm stud (3)
- Left Side Downpipe Bracket (1)
- Right Side Downpipe Bracket (1)

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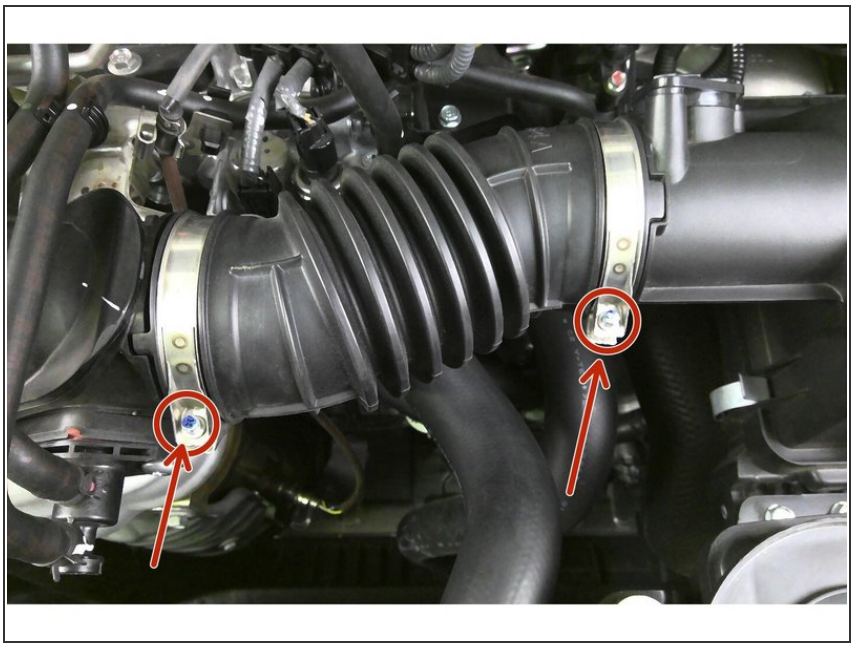
Step 1 — Getting Started



- 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

⚠ Catted Downpipes are intended for racing use only. Installation and use are at the customers own risk.

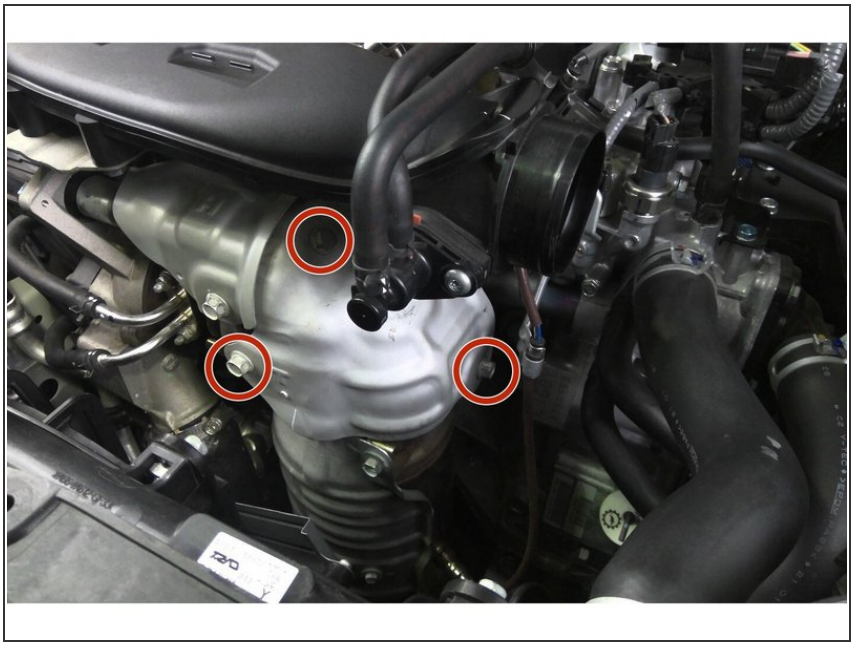
Step 2 — Remove Factory Air Intake Tube



- Use a 5.5mm socket and 1/4" ratchet to remove the two (2) clamps securing the accordion style intake air tube
- Remove intake air tube from car and sent aside

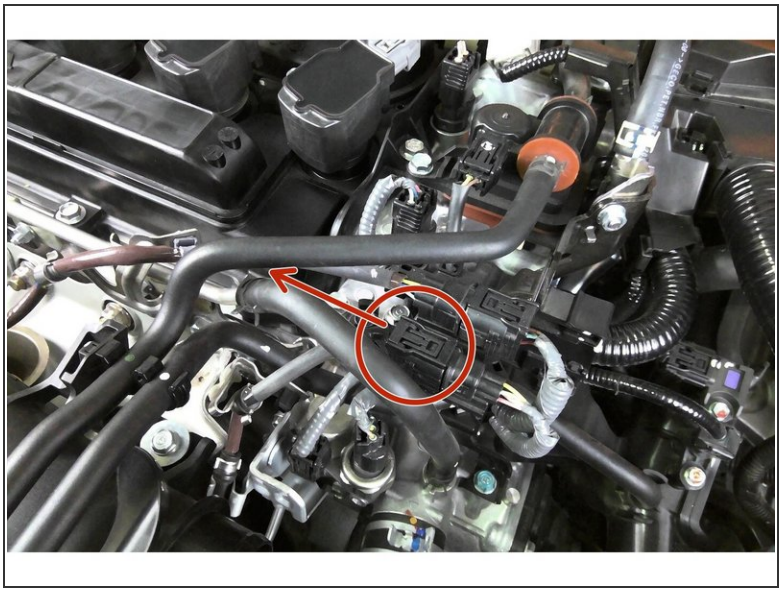
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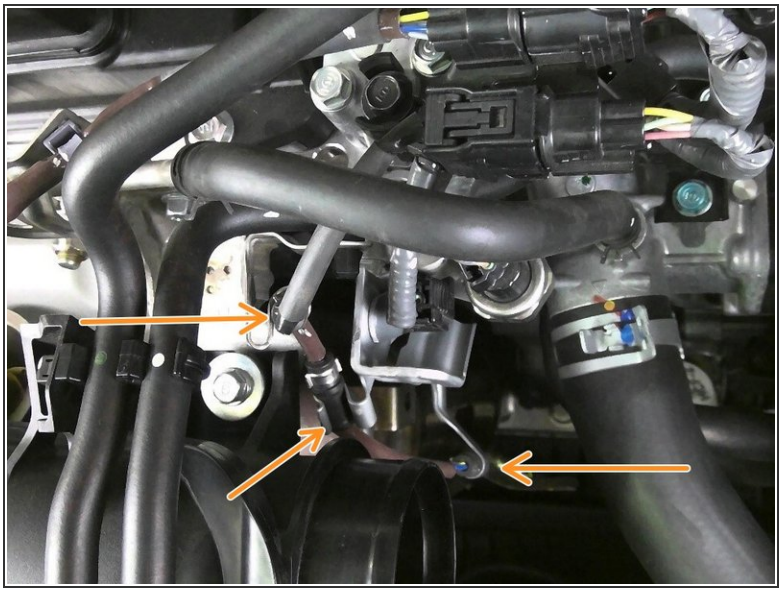
Step 3 — Remove OEM Downpipe Heat Shield



- Use a 12mm ratcheting wrench to remove the three (3) x 12mm bolts securing the upper heat shield to the factory downpipe
- Remove OEM heat shield & set aside for later use

Step 4 — Disconnect Secondary O2 Sensor Wire from Wire Bracket

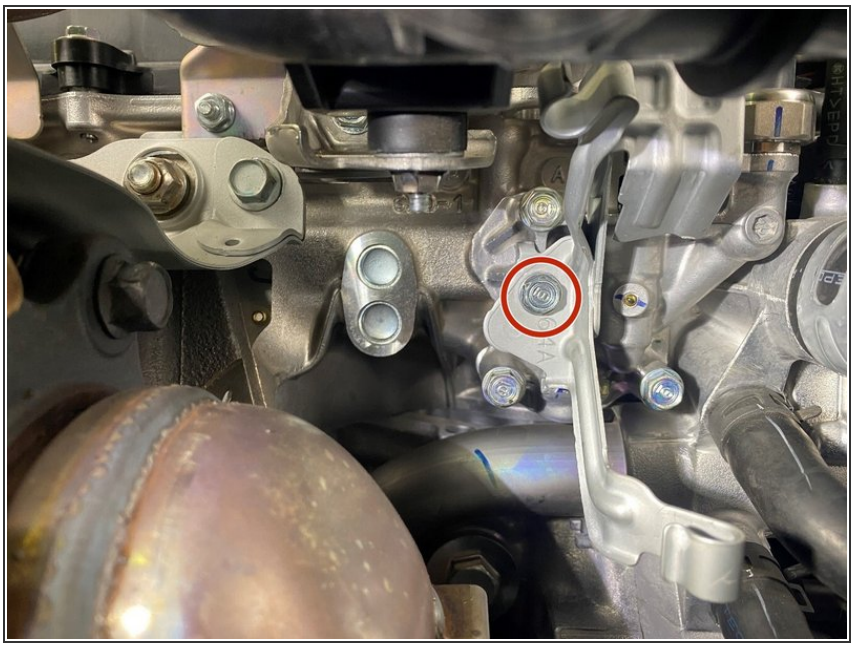




- Undo the clip for the secondary O2 sensor plug, and remove the plug
- Remove the three (3) locating tabs for the secondary O2 sensor wire
  - ⓘ These are three (3) metal tabs that hold the O2 sensor wire in place. By lightly bending them, the O2 sensor wire can be disconnected from the wire bracket

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Step 5 — Remove Secondary O2 Sensor Wire Bracket



- Using a 1/4" ratchet with a 4" extension and a 10mm socket, remove the one (1) 10mm bolt securing the secondary O2 wiring bracket
- Remove the bracket and set aside for later use

Step 6 — Put Car on Lift or Jack Stands

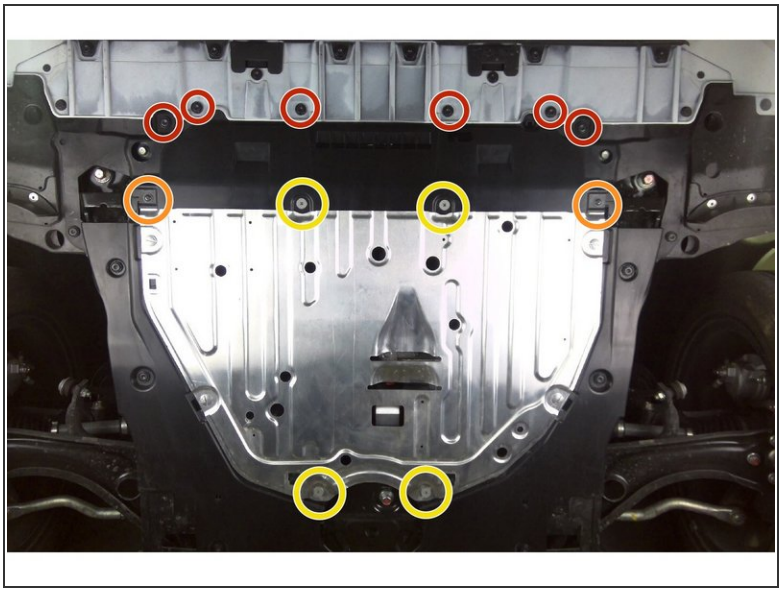


ⓘ You will proceed to remove the OEM Downpipe from the vehicle in the coming steps

⚠ The next steps will be performed underneath the vehicle. Please make sure vehicle is secured on a lift or jack stands

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Step 7 — Remove Skid Tray

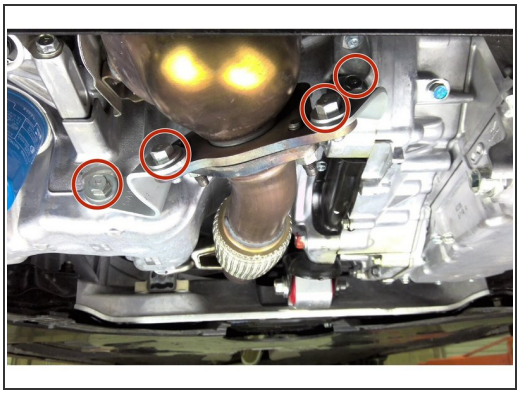
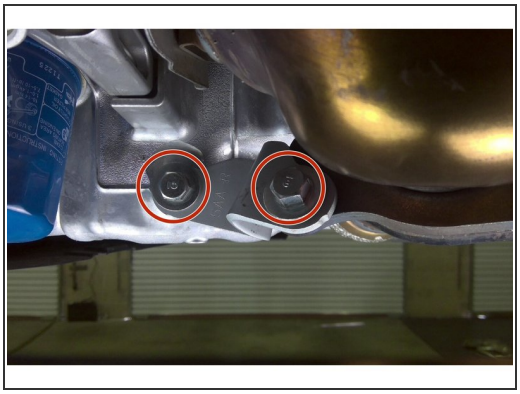
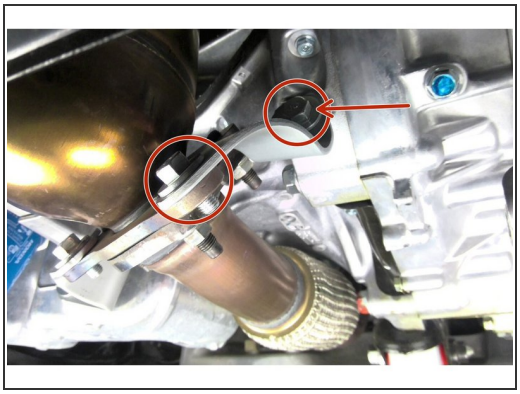




- Remove plastic portion of skid tray as follows:
  - Six (6) push clips from front
    - Use a flathead screwdriver or a prying tool
- Using a screwdriver, remove metal portion of skid tray as follows:
  - Two (2) black philips head screws
  - Four (4) silver phillips head screws
  - Four (4) flat head screws

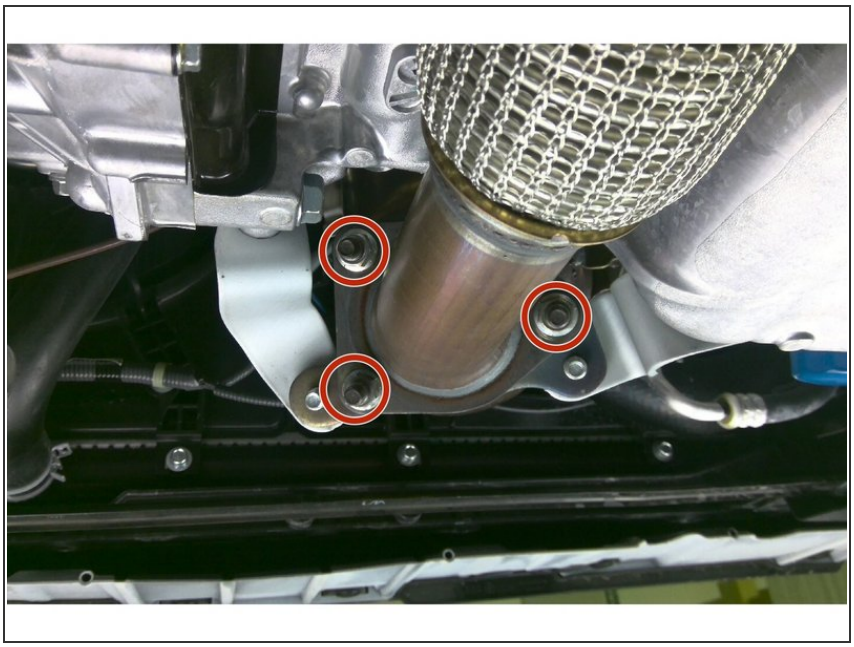
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Step 8 — Remove OEM Downpipe Support Brackets

- Remove the four (4) 14mm bolts securing the two lower downpipe support brackets
- **DO NOT** discard the bolts. The four bolts will be reused to attach newly supplied brackets
- You will not use the OEM downpipe support brackets

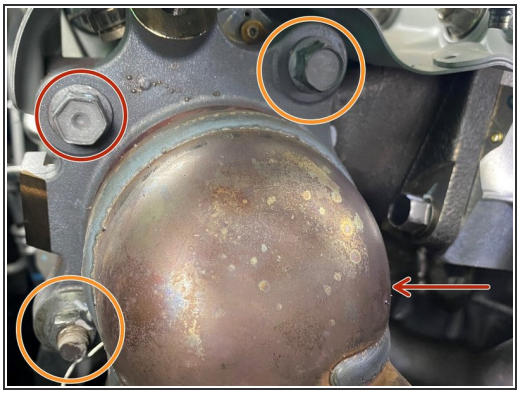
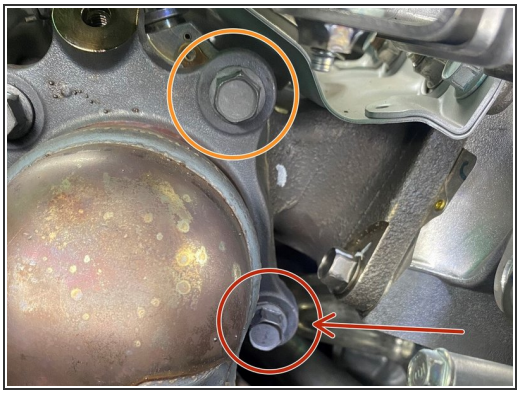
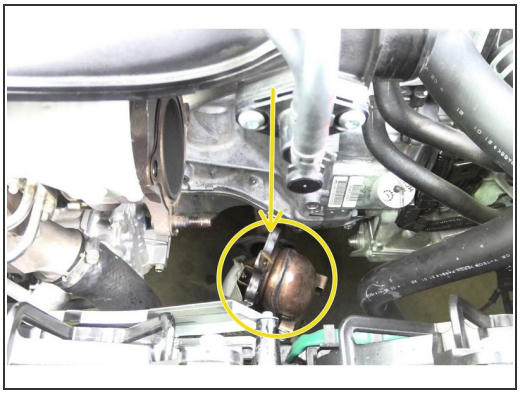
Step 9 — Separate Front Pipe from Downpipe



- Using a 3/8" drive ratchet and a 14mm socket, remove all three (3) nuts securing the downpipe studs
  - ⓘ The stud may come out of the downpipe with the nut. This is OK, as you will not be reusing this hardware
- Separate the front pipe from the downpipe, the front pipe will remain in place
- ⓘ If you are installing the front pipe with the downpipe then proceed to steps 6-9 of those instructions, L15-6-211-12 11th Gen Civic Front-Pipe then return

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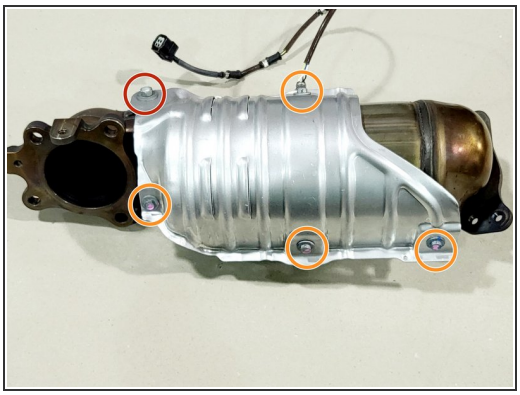
Step 10 — Remove Downpipe from Turbocharger

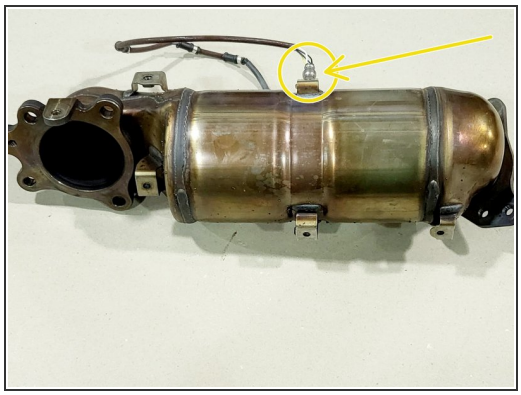




- Prior to attempting removal of the downpipe, liberally apply penetrating lubricant (PB Blaster, Deep Creep, etc.) on the downpipe nuts & bolts
- Using the 3/8" drive 14mm socket and ratchet along with the aid of a breaker bar, remove the following from the turbine side of the turbocharger:
  - Two (2) 14mm bolts
  - Two (2) 14mm nuts
    - The highlighted bolt in the 2 o'clock position is a nut on a stock vehicle. The nut on the pictured vehicle was replaced with a bolt
  - ⚠ Be careful and take your time to avoid breaking a stud inside the turbine housing. Trust us, a broken stud is going to make this install a lot longer. It will require you remove the stud by removing the OEM turbocharger and sourcing new studs an hardware from Honda
- Lower the downpipe out the bottom of the engine bay, being careful not to damage the wiring harness on the secondary oxygen sensor
- Pull downpipe out from under the vehicle and set on workbench.

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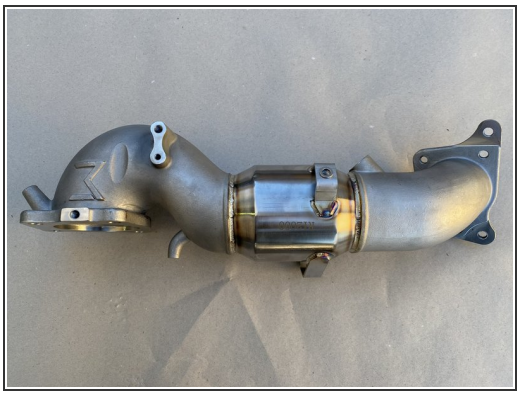
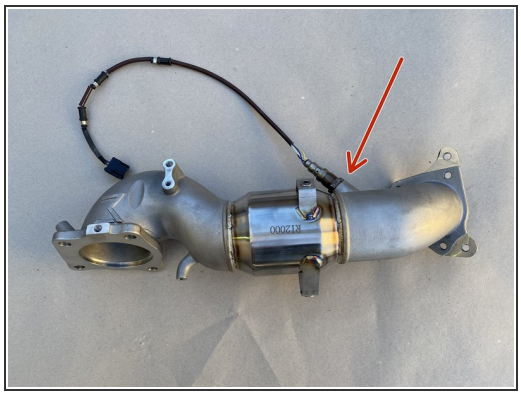
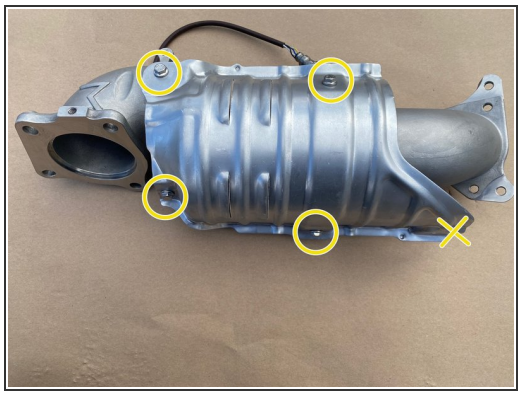
Step 11 — Disassemble OEM Downpipe





- Using a 1/4" drive ratchet and 12mm socket, remove the one (1) 12mm bolt
  - ⓘ This bolt will not be resused
- Using a 1/4" drive and 10mm socket, remove the four (4) 10mm bolts securing the OEM heat shield to the OEM downpipe
- Use a 22mm open-ended wrench or oxygen sensor socket to remove the secondary oxygen sensor

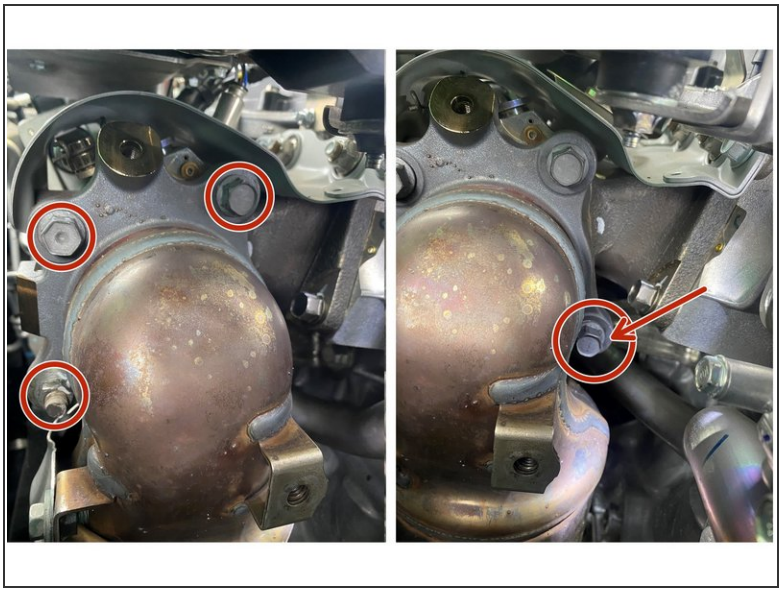
Step 12 — Assemble 27WON Downpipe

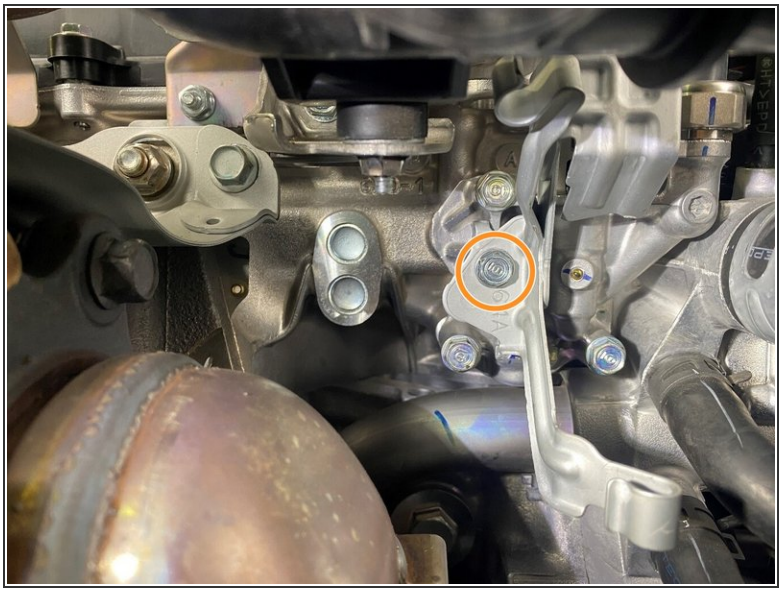




- Install the OEM secondary O2 sensor into the downpipe and tighten with a 19mm wrench or O2 sensor tool
- Using the four (4) provided M6x1.0x12mm bolts, reinstall the OEM heat shield
  - ⓘ You will not be using the lower bolt hole on the OEM heat shield.

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Step 13 — Install 27WON Downpipe



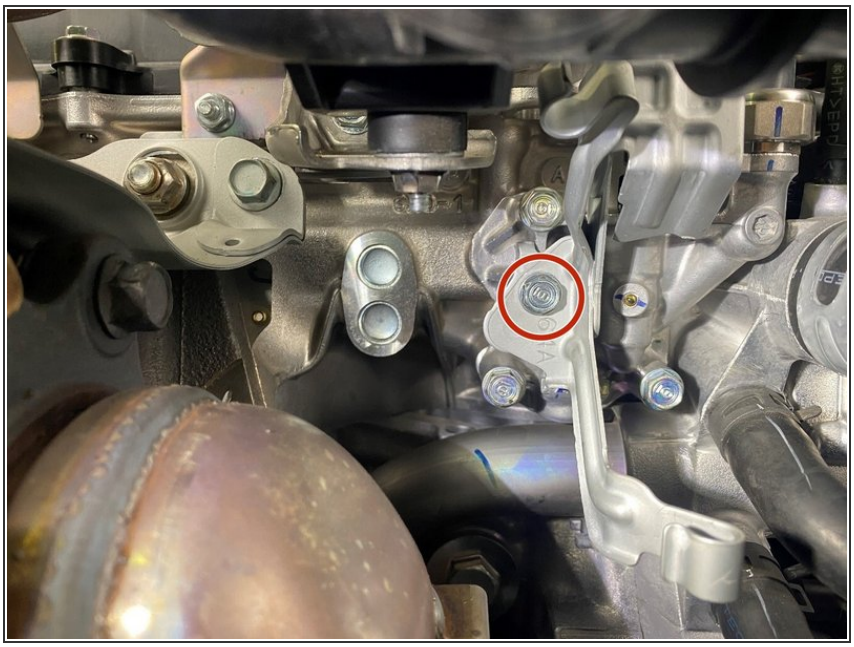


- You may now install the 27WON catted downpipe into the car via the reversed order of removing it, by entering from the bottom of the vehicle

- Reinstall the two (2) bolts and two (2) nuts securing the downpipe to the turbine housing. **Torque to 33 ft-lbs**
  - Use of anti-seize compound (Loctite, Permatex, etc.) is recommended when reinstalling the highlighted hardware

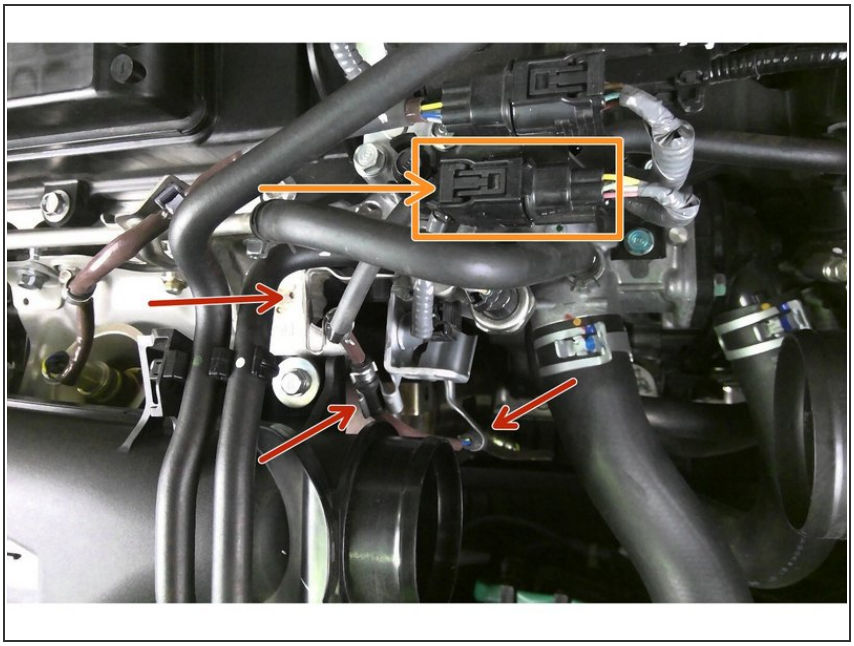
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Step 14 — Install OEM Secondary O2 Sensor Wire Bracket



- Bolt the secondary O2 sensor wire harness support bracket back in place. **Torque bolt to 80 in-lbs.**

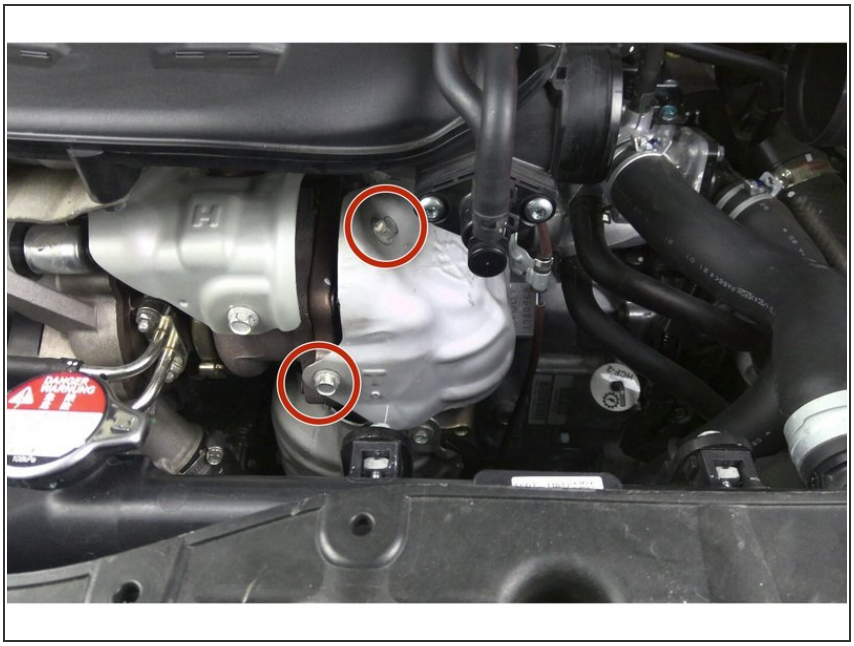
Step 15 — Re-route & Connect Secondary O2 Sensor Wire



- Re-route the secondary O2 sensor wire harness back into the appropriate tabs, securing the black round spot in the tabs
- Clip the secondary O2 sensor plug back into the harness

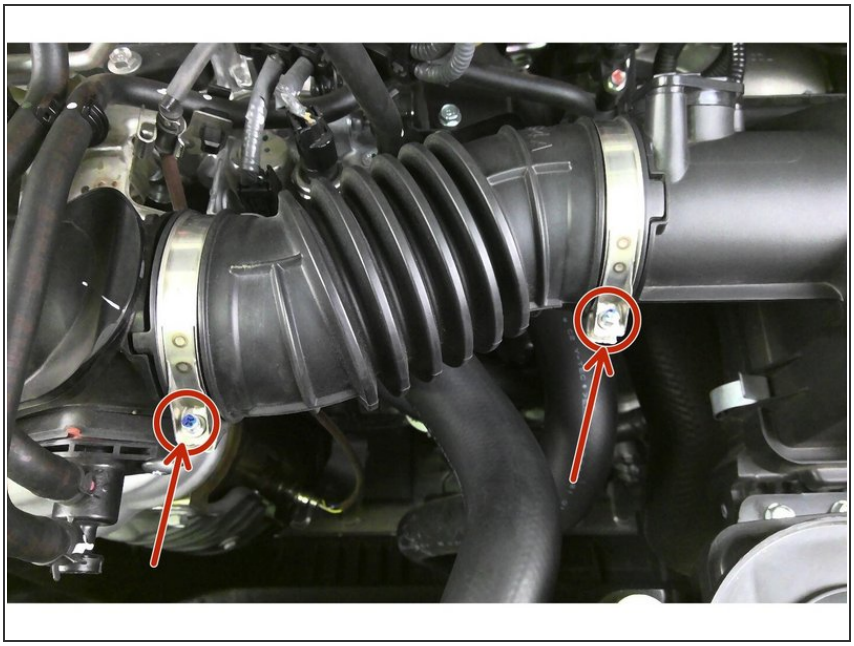
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Step 16 — Install OEM Heatshield



- Reinstall the OEM upper heat shield using only two (2) of the three OEM bolts **Torque to 18 ft-lbs.**
  - ⓘ The lower bottom hole towards the back will not be reused

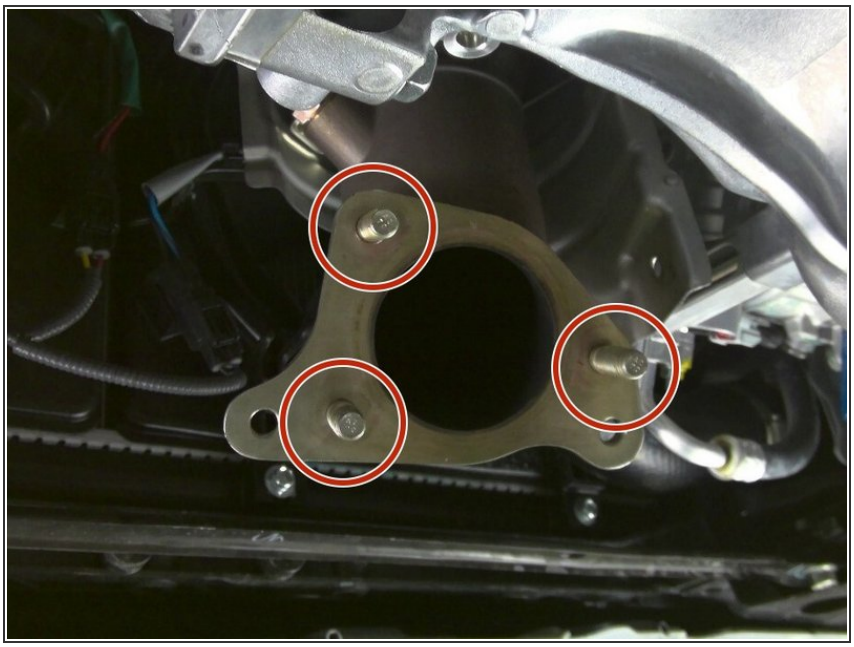
Step 17 — Install OEM Intake Tube



- Reinstall accordion intake tube and tighten clamps with 5.5mm socket

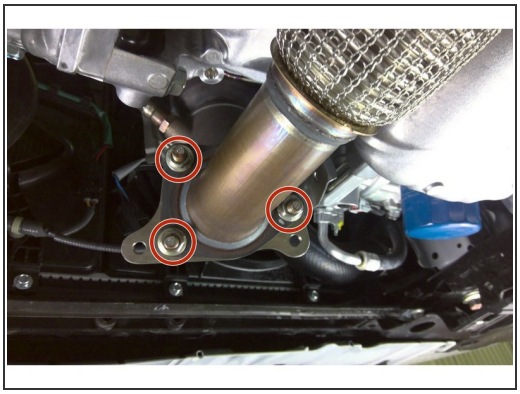
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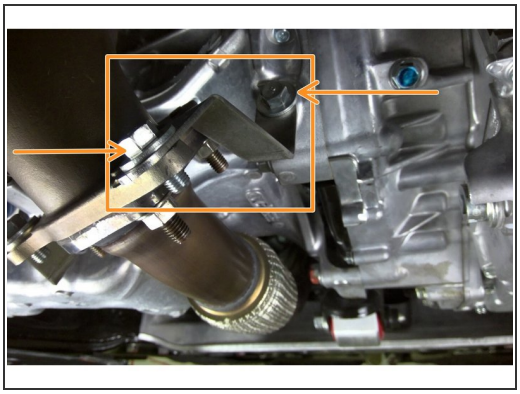
Step 18 — Install Supplied Studs into 27WON Downpipe

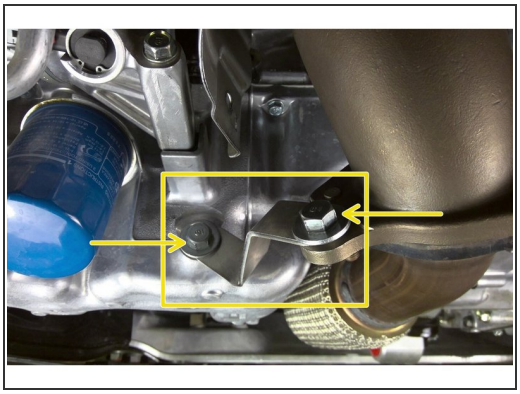


- Apply anti-seize to the supplied studs
- From bottom of car, install three (3) provided studs into the outlet flange
- ⓘ If you are installing the front pipe with the downpipe then proceed to steps 10-18 of those instructions, L15-6-211-12 11th Gen Civic Front-Pipe then return to step 20 of these instructions

Step 19 — Bolt 27WON Downpipe to Front Pipe



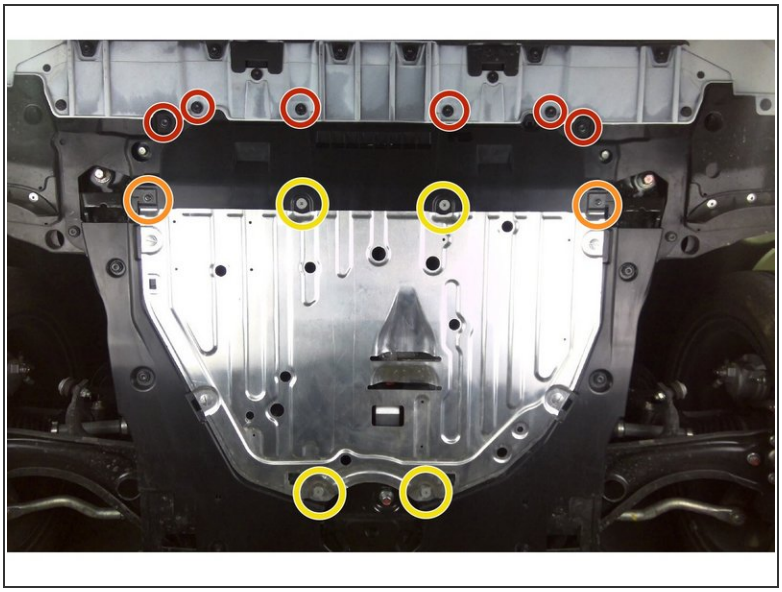




- Using a 15mm socket and 3/4" drive ratchet, install the three (3) provided nuts. **Torque to 40 ft-lbs. at outlet flange**
- Install the provided driver side bracket as shown. **Torque bolt to 33 ft-lbs**
- Install the provided passenger side bracket as shown. **Torque bolt to 33 ft-lbs**

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Step 20 — Install Skid Tray





- Reinstall the skid tray:
  - Six (6) push clips from front
  - Two (2) black philips head screws
  - Four (4) silver phillips head screws
  - Four (4) flat head screws

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Step 21 — Final Notes & Tips



⚠ **Defouler & Catted Downpipes are strictly intended for racing use only. Installation and use are at the customers own risk**

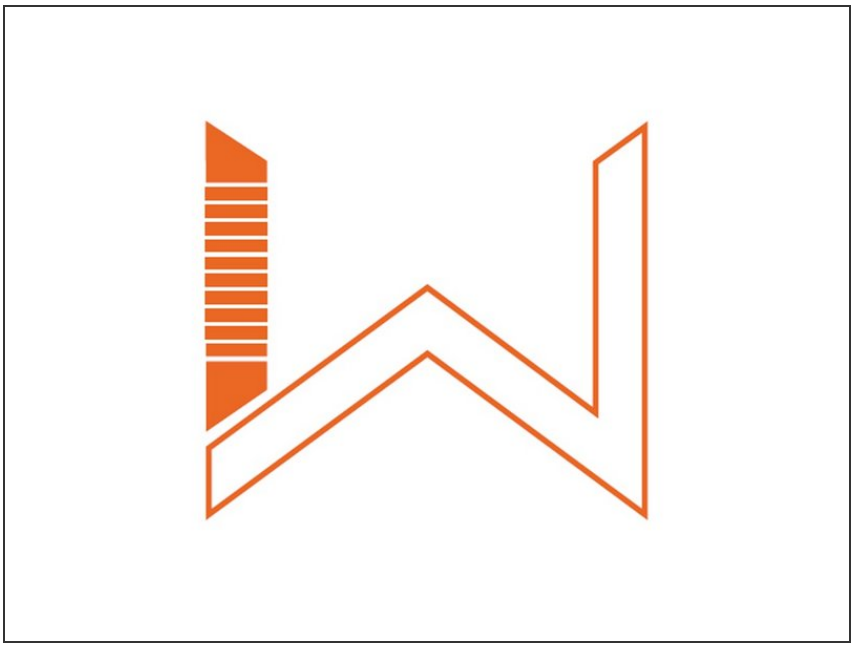
⚠ Some smell may be present on the first start as any residue on the downpipe burns off. This is normal and will not happen after the 1st heat cycle.

ⓘ To get the best performance from your Performance Downpipe, we highly recommend a custom tune.

- A custom tune for your specific vehicle with your specific modifications will provide the best performance for your Civic and the location you live in

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Step 22 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance Downpipe
- We hope you were impressed with your 27WON experience and love your new Downpipe 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/2022-civic-turbo...
- Share your experience using #27WON on Instagram and Facebook

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