L15-6-318 Hybrid Intake

Written By: Jacob miller-self



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INTRODUCTION

In this installation guide we have provided step by step instructions to remove the OEM intake then install the 27WON Hybrid Intake.

Advisory:

- Working under the vehicle requires a safe and sturdy location for the vehicle to sit on jackstands
- The engine 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:

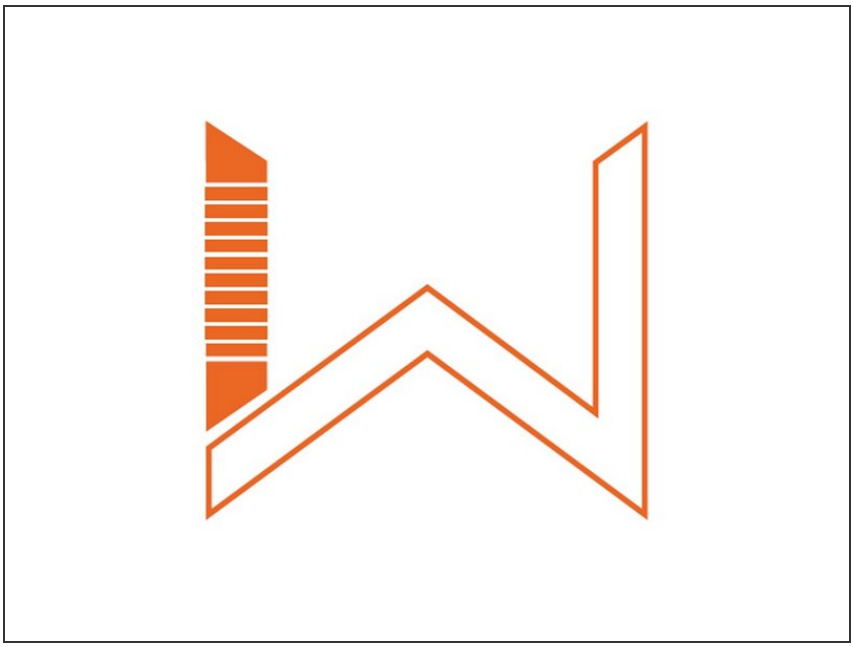
- 3/8" Ratchet (1)
- 3/8" Long Extension (1)
- 10mm Socket (1)
- Hex Wrench, T-Handle 3mm (1)
- Pliers - Small (1)

PARTS:

- Hybrid intake assembly (1)
- L15 CAI MAF Housing (1)
- Silicone Coupler - MAF to TIP (1)
- L15 CAI Short Bracket (1)
- Bonded Sealing Washer (2)
- M6x1.0x20mm Flange Bolt (2)
- M5 Cap Screw (2)
- T-Bolt Clamp - 70-78mm (3)
- T-Bolt Clamp - 83-91mm (1)

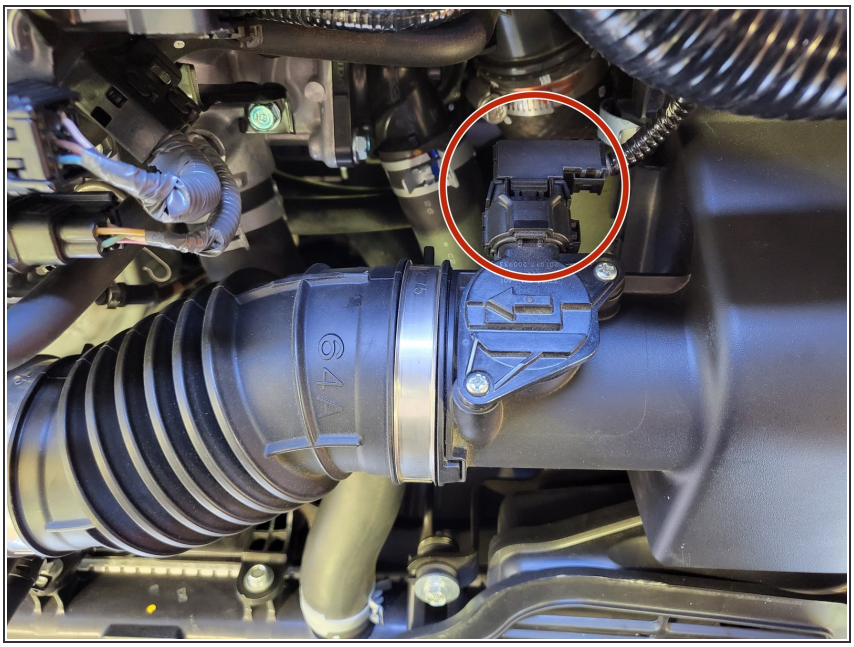
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Step 1 — Getting Started



- 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
- This guide describes a process to install your new Hybrid Cold Air Intake
- Handle the Airbox lid with care so as not to scratch it

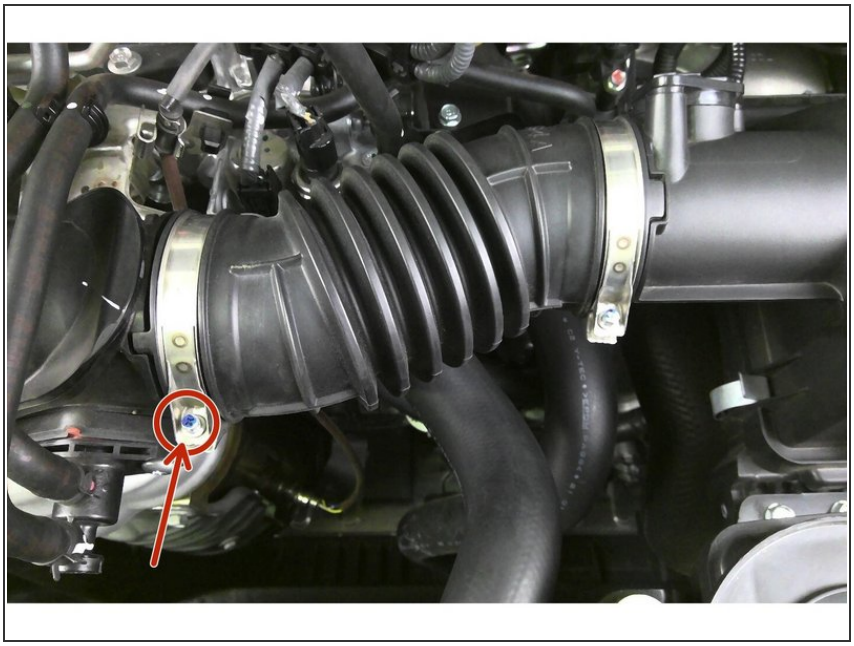
Step 2 — Unplug MAP Sensor



- Open the hood to gain access to the intake air box
- Unplug the connector for MAF sensor using your fingers

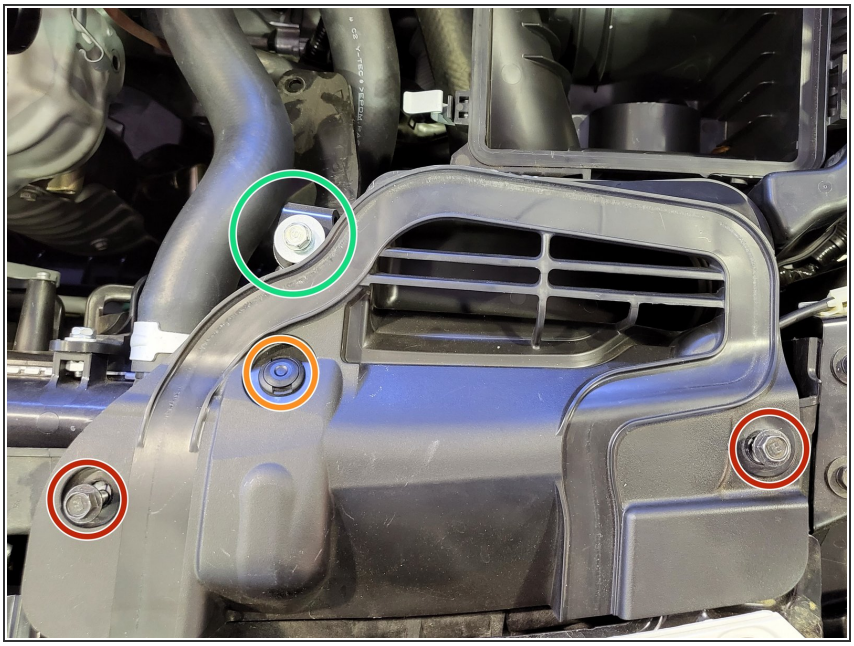
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Step 3 — Loosen Clamp On Factory Air Intake Tube



- Use a 5.5mm socket and 3/8" ratchet or a small Phillips screwdriver to loosen the clamp circled in red
- Tube should be able to freely pull off the turbo inlet pipe

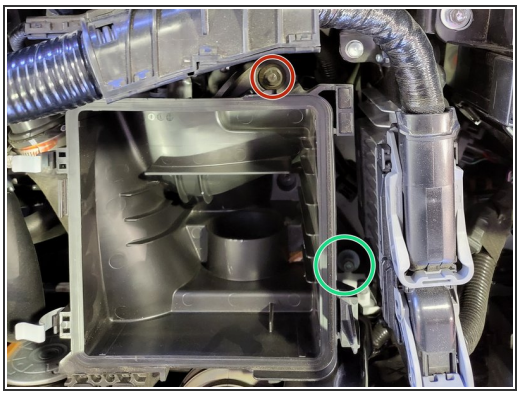
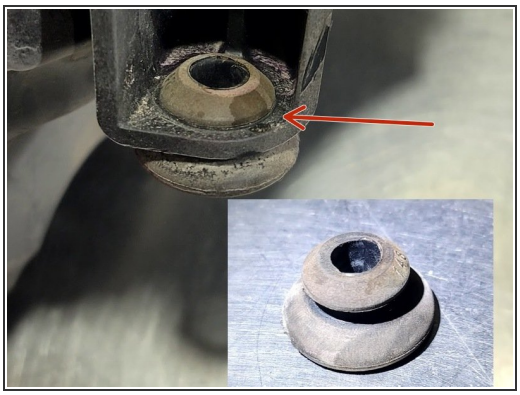
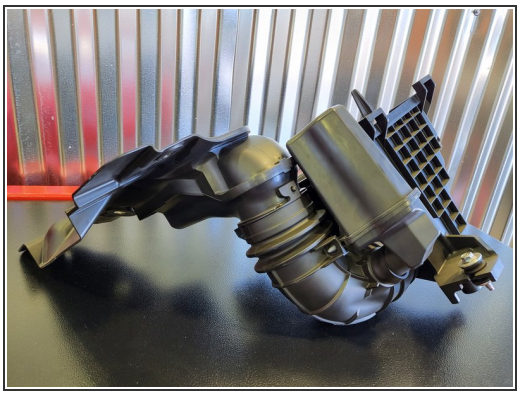
Step 4 — Remove Inlet Bolts and Clips



- Use a 3/8" drive ratchet and a 10mm socket to remove two (2) bolts that holds the intake duct
  - ⓘ Image shows airbox lid removed but that is not necessary
- Use a panel clip tool to remove one (1) clip
  - ⚠ Plastic clip breaks very easily. Use Caution
- Use a 3/8" drive ratchet and a 10mm socket to remove the bolt to intake bracket as shown

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Step 5 — Remove Bolt Then Intake Assembly

ⓘ Intake shown without lid and filter for clarity

- Use a 3/8" rachet, a long extension, and a 10mm socket to remove lower intake bolt as shown
- Wiggle the airbox and pull it up at the same time to loosen the airbox from the rubber bushing

  ⚠ This can be a PITA and you can get hurt when it breaks loose. Use Caution

  ⓘ Once you free the intake assembly from the bushing mount, it will easily come out of the car
- Set the bushing aside for later use

Step 6 — Remove OE Airbox Mounting Bracket

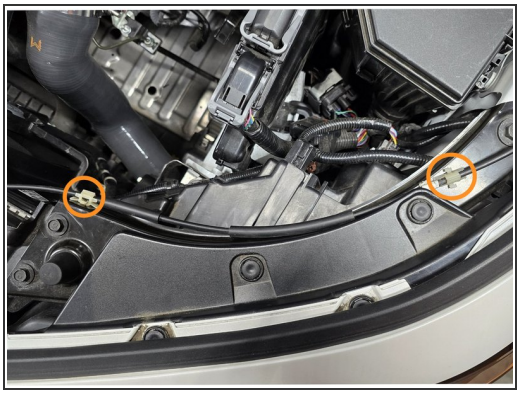
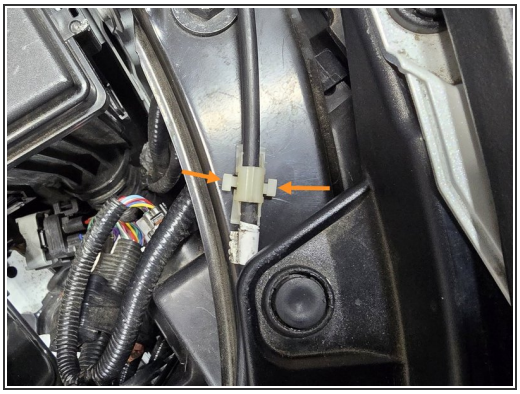


- Use a 3/8" drive ratchet and a 10mm socket to remove two (2) bolts that hold the intake bracket in place

  ⚠ Use caution when pulling the second bolt, once it's loose the bracket will drop straight into the engine bay!
- Remove the bracket from the engine bay

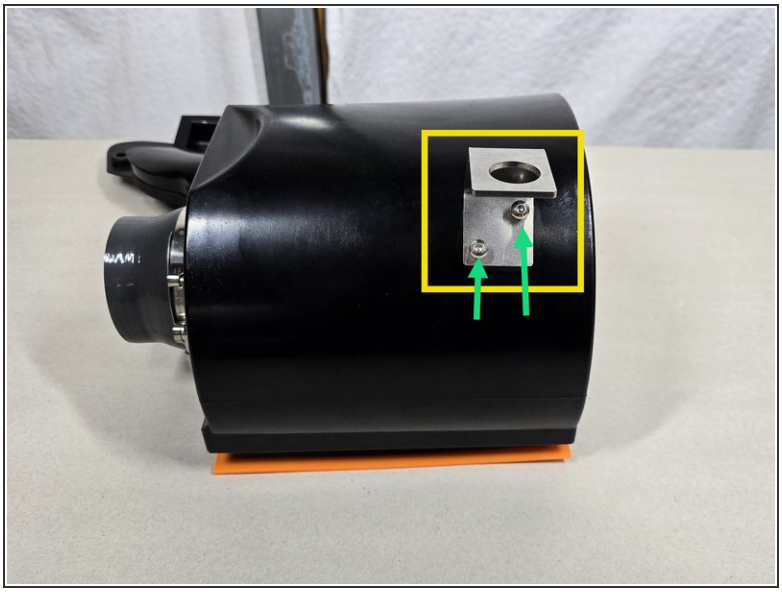
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Step 7 — Unclip and Tuck Hood Latch Wire


- Using you hand or a pair of pliers pinch the sides of the plastic clips holding the hood latch wire in place and lift to remove them
- Tuck the wire under the headlight mounting plate as shown

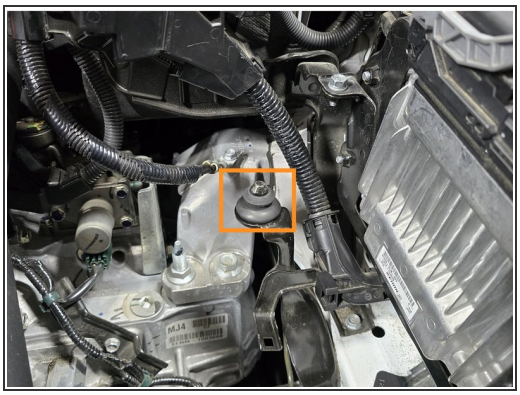
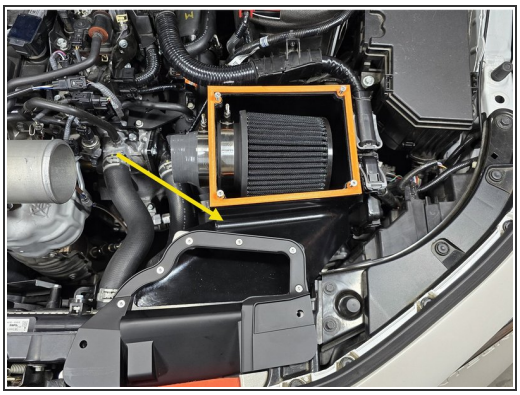
Step 8 — Mount Lower Bracket on to Airbox

- Place your airbox in the orientation shown
- Using the provided two (2) short M5 cap screws mount the lower bracket in the orientation shown
- Using a 3mm hex bit, tighten the M5 cap screws until snug

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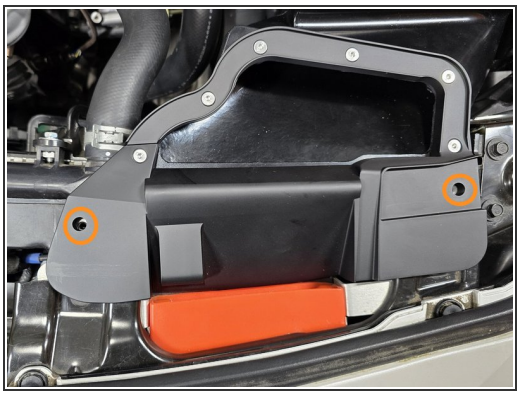
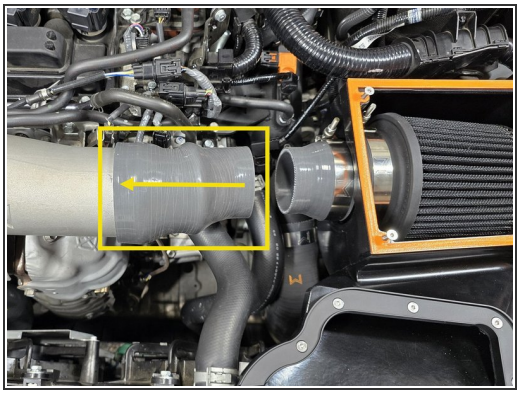
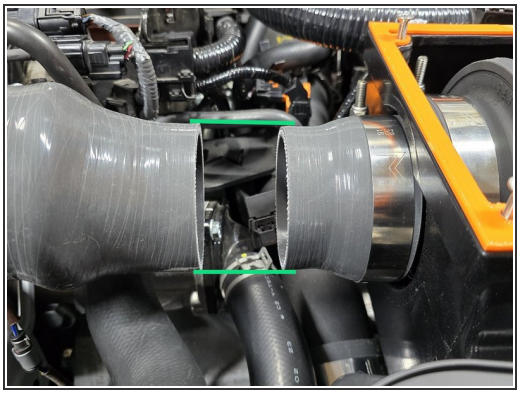
Step 9 — Mount Airbox in Engine Bay


- Install previously removed bushing as shown
- Place airbox in engine bay as shown
- Press airbox down to mount the lower bracket over the bushing as shown

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Step 10 — Align TIP Silicone with Airbox

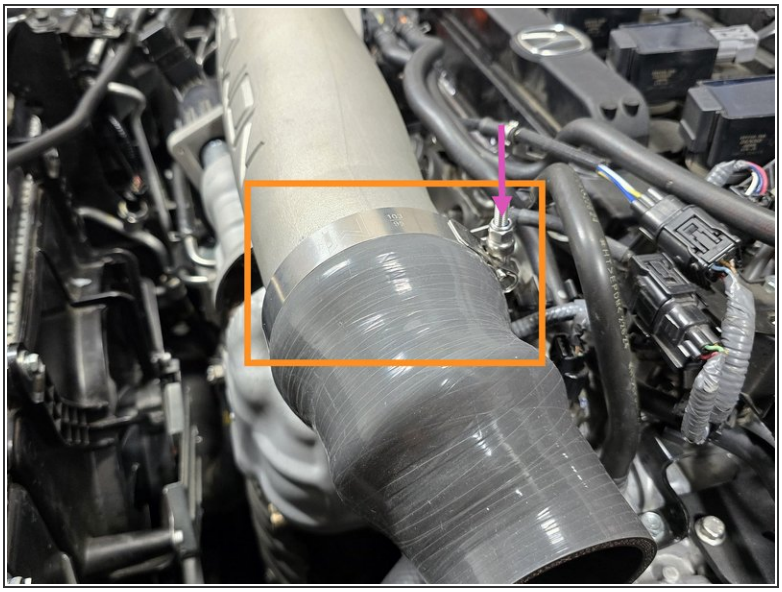
ⓘ This is shown with the 27WON TIP (Turbo Inlet Pipe). The process is similar for the OE TIP with the difference being the TIP silicone and the T-bolt clamp to secure it

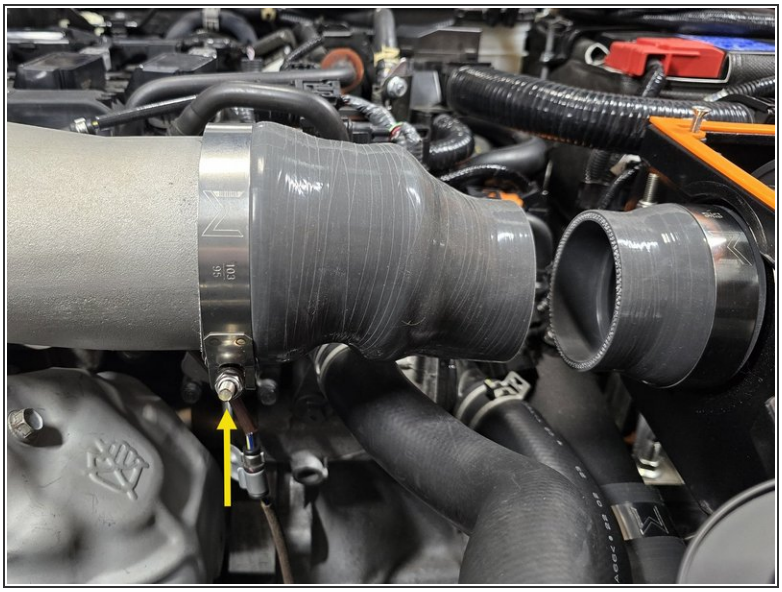
⚠ Failure to align the silicone correctly will cause the intake not to fit well

- Verify the airbox mounting holes can be aligned as shown
- Place provided TIP silicone onto the TIP as shown and push it fully onto the TIP
- Align TIP silicone with the airbox silicone mounted on the airbox as shown
  - ⓘ This requires a combination of rotating the silicone as well as wiggling it around to get the correct alignment

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Step 11 — Secure TIP Silicone



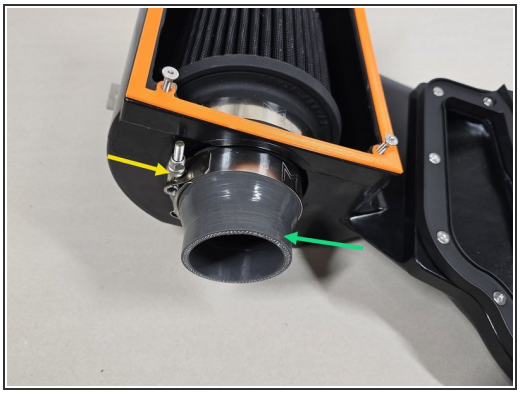


- Using the provided 95-103mm T-bolt clamp for 27WON TIP or 70-78mm T-bolt clamp for OE TIP secure the silicone to the TIP without changing it's orientation from the step before
- Orient the clamp so it will not hit the hood as shown
- If you can't rotate the clamp enough to avoid hood interference then flip the clamp to be oriented as shown

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Step 12 — Remove Airbox and Silicone



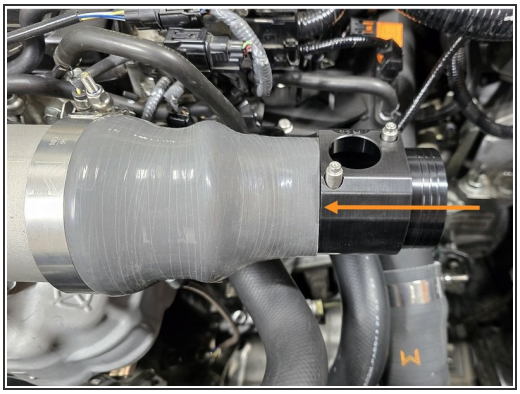
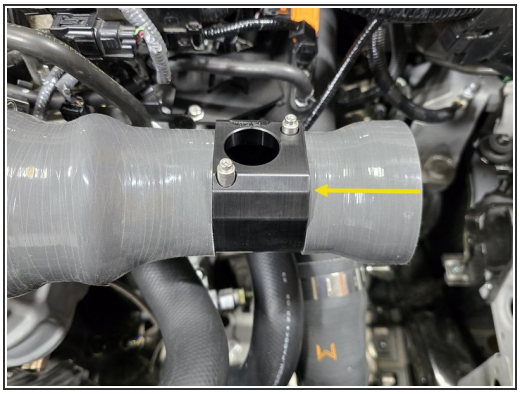
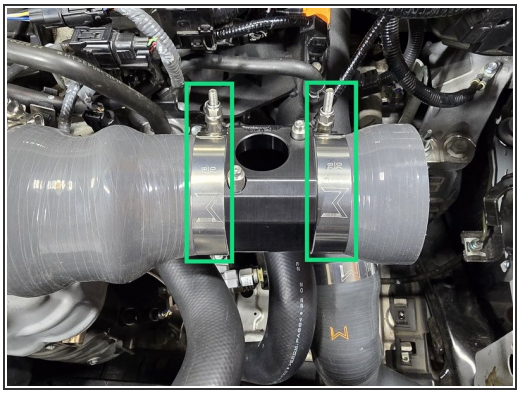




- Firmly lift the back side of the airbox to pop the lower bracket off of the mounting bushing
- Remove the airbox from the engine bay
- Using a 10mm socket remove the 83-91 T-bolt clamp on the airbox
- Remove the airbox silicone as shown

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Step 13 — Install MAF Housing and Airbox silicone

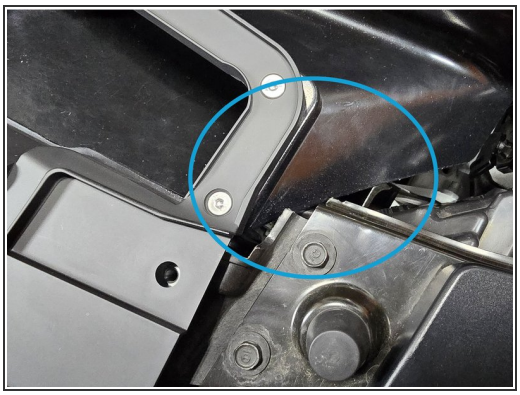
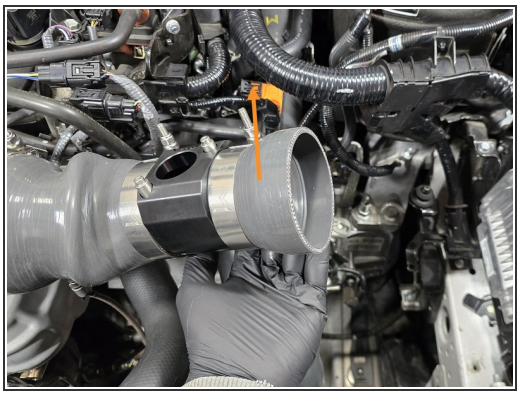
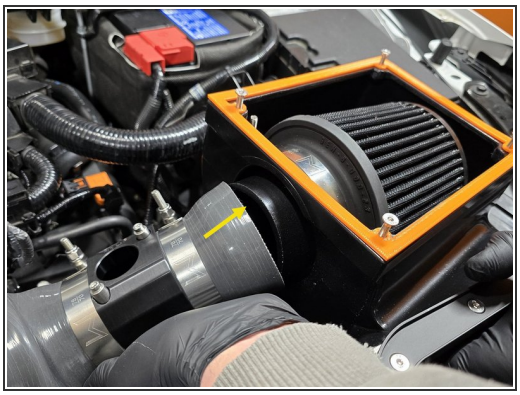




- Install MAF housing into the previously mounted TIP silicone in the orientation shown
  - ⓘ Note the rotation of the MAF housing, this is important to ensure there is no tension on your MAF sensor wire
- Install airbox silicone onto the MAF housing
- Using two included 70-78mm T-bolt clamps and a 10mm socket secure the silicone on either side of the MAF housing as shown

Make sure the MAF is *fully* seated in the silicone

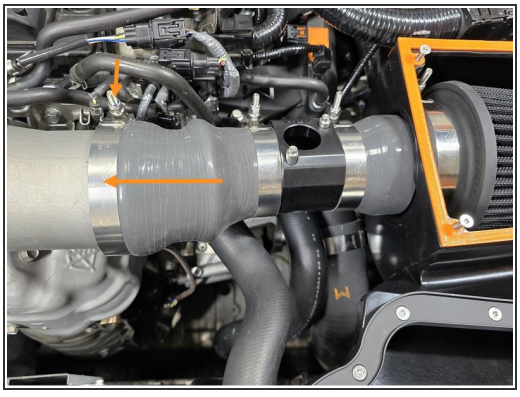
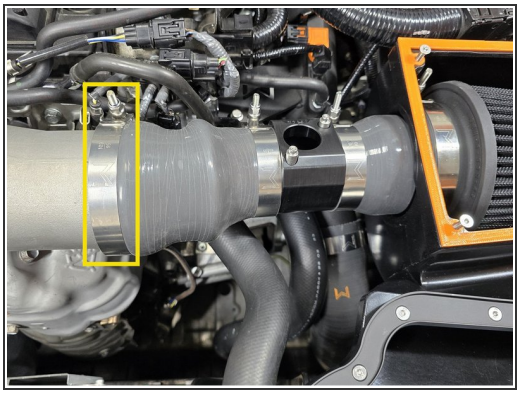
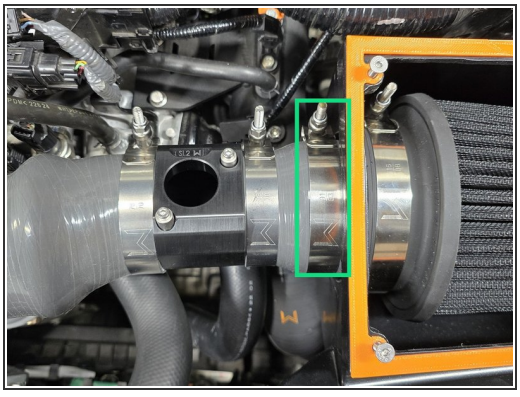
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Step 14 — Install Airbox into Engine Bay

- While installing the airbox be mindful of the right side of the inlet, this part can easily be damaged by the engine bay if you aren't careful
- Using your hand lift the silicone stack up as shown to create space for the airbox
- While lowering the airbox into the engine bay, press the airbox silicone onto the airbox as shown
  - ⓘ You'll have to do this slowly and carefully to avoid hitting the ECU
- Press the lower mounting bracket onto the bushing like before

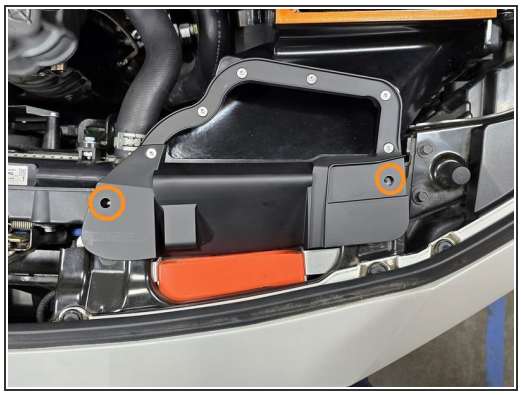
Step 15 — Finalize Silicone Position

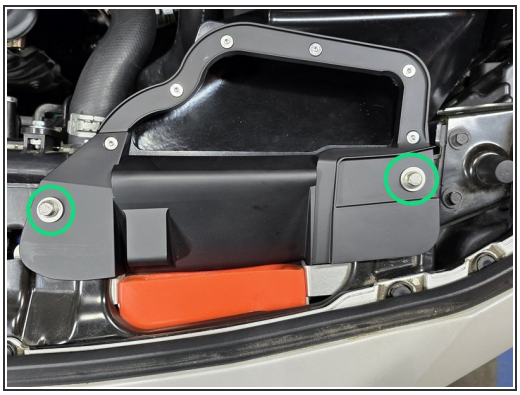




- With the airbox in the engine bay, loosen the 95-103 T-bolt clamp on the TIP and push the TIP silicone onto the TIP as far as possible
- Using a 10mm socket re-tighten the 95-103 T-bolt clamp
- Use the provided 83-91mm T-bolt clamp secure the silicone stack up onto the airbox as shown

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Step 16 — Secure Airbox



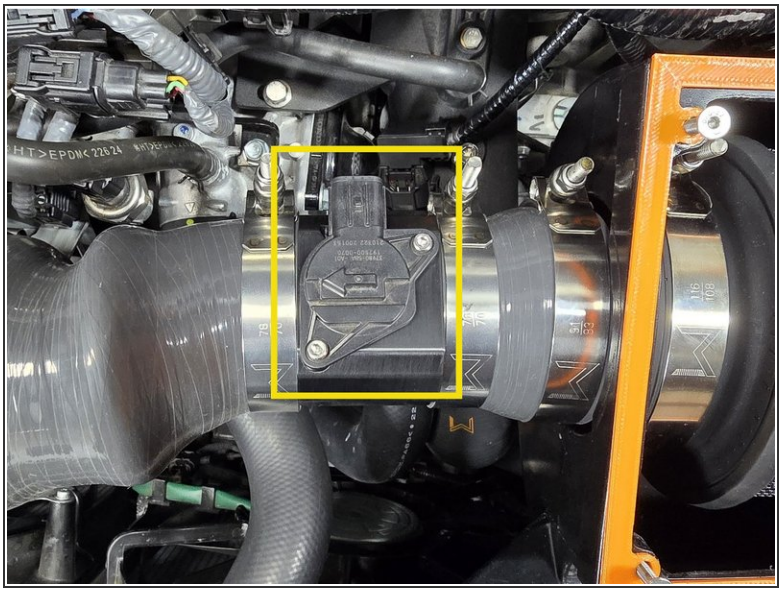


- Align the mounting holes on the airbox inlet with the threaded holes as shown
  - ⓘ You may need to move the airbox towards the passenger side of the car to get these holes to align properly
- Thread the provided 20mm long M6 bolts and rubber washers into the airbox inlet mounting holes as shown
- Using a 10mm socket tighten the M6 bolts until snug as shown
  - ⚠ Do not overtighten these two bolts. The intake should not bind up here

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Step 17 — Swap MAF Sensor to MAF Housing





- Using a small Phillips screwdriver, remove both screws securing MAF sensor to OE Intake
  - Use care when handling this sensor. It should not be dropped, abused, or otherwise gotten dirty
- Gently install MAF Sensor in provided MAF housing using the provided socket cap screws and a 3mm hex wrench or bit
  - You should be able to press MAF sensor into the bore by hand. Do so evenly

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Step 18 — Caring for Your Carbon Fiber



- This install process is shown with a painted shroud. The process is similar for a carbon fiber shroud

⚠ We do recommend exercising much more caution when installing a carbon fiber shroud

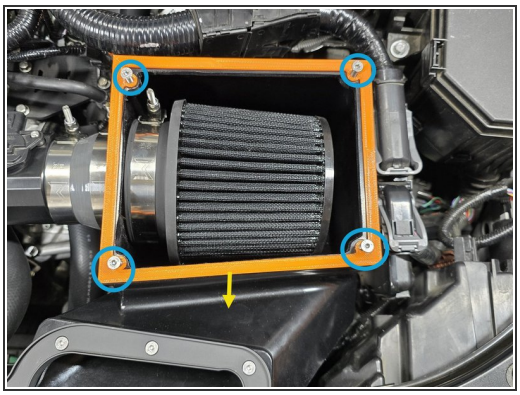
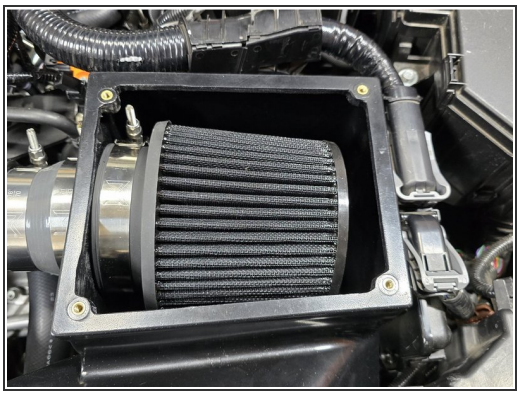
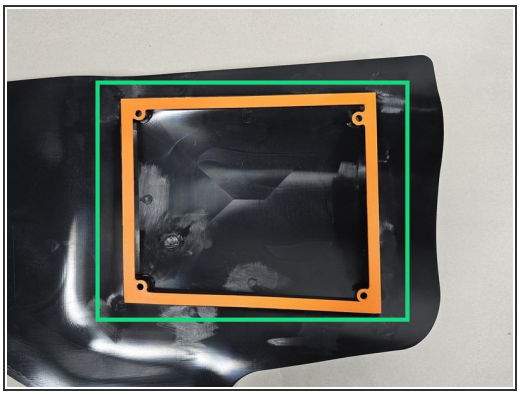
⚠ Be careful with your tools while installing the shroud, it is very easy to scratch your shroud with a tool and is not easy to fix

⚠ There are lots of sharp edges throughout the engine bay that could also scratch your carbon fiber or chip the edges if you aren't cautious

- We have provided a lens cloth to wipe down your carbon fiber shroud after install. Use a non-abrasive cleaner as needed

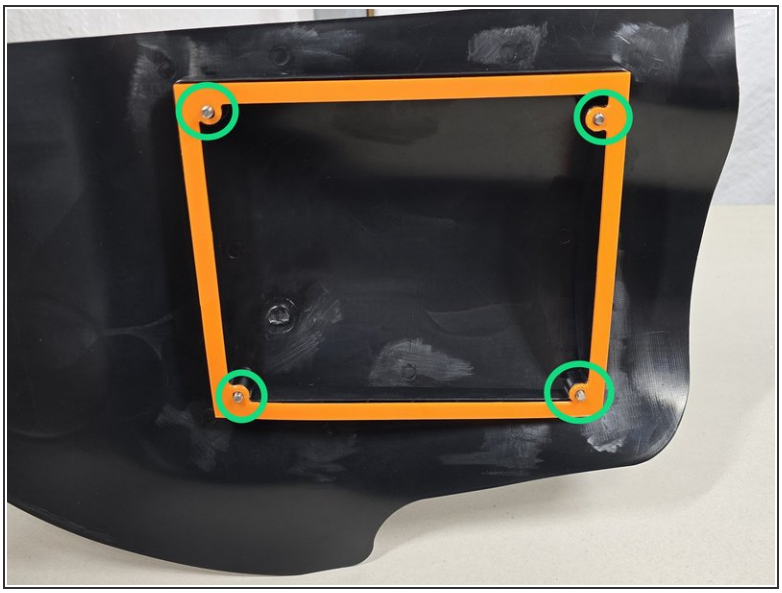
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Step 19 — Install Airbox Shroud Part 1

- Using a 3mm hex bit remove the four (4) countersink screws from the airbox as shown
- Remove the airbox gasket as shown
- Line up the gasket on the bottom side of the airbox shroud as shown

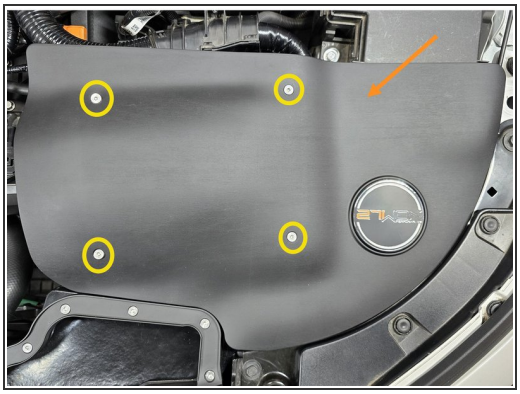
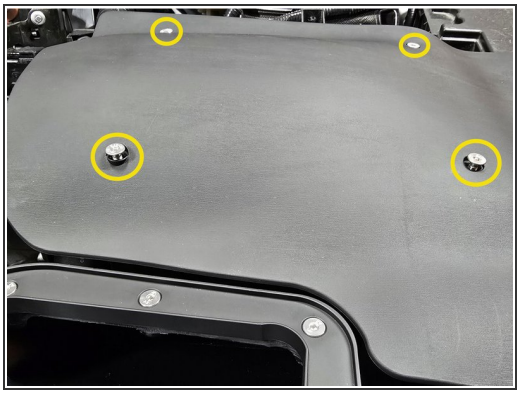
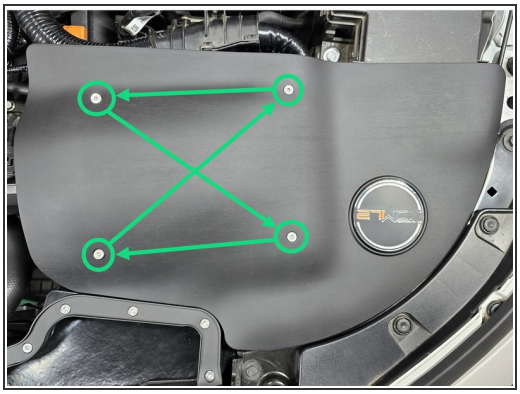
Step 20 — Install Airbox Shroud Part 2

- While holding the gasket in place, push the **QTY(4)** countersink screws through the top of the shroud and the gasket as shown
  - ⓘ The holes on the gasket should be small enough to hold both the screws and the gasket in place

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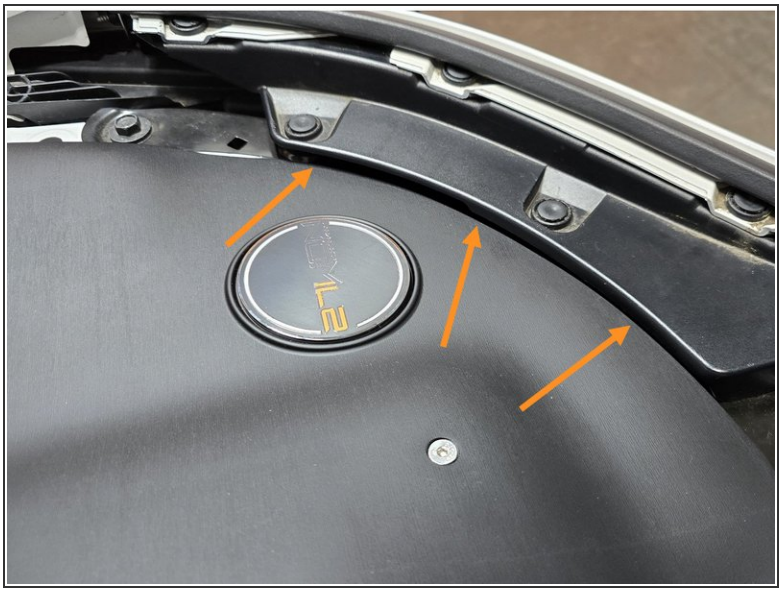
Step 21 — Install Airbox Shroud Part 3

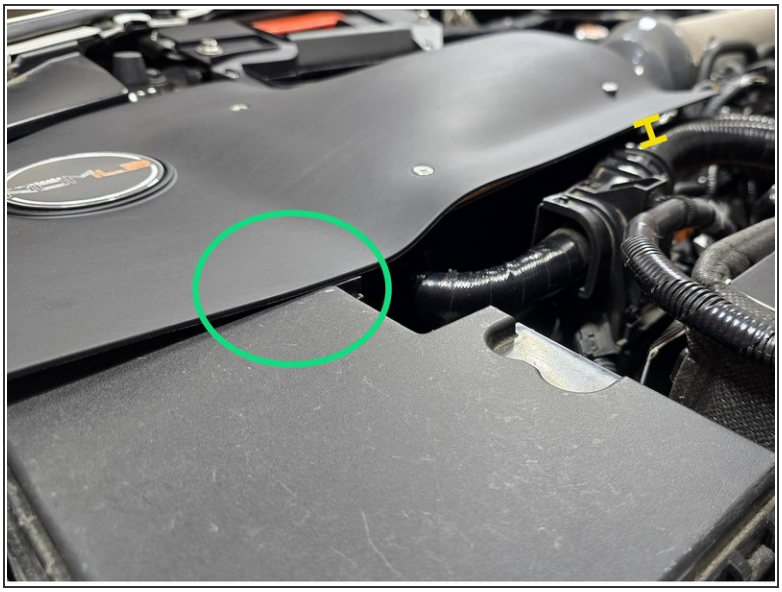




- With the screws and gasket attached place the shroud onto the airbox in the orientation shown
- ⓘ Slight pushing to align the holes is ok. You should not have to apply a lot of force to get the shroud to align with the box
- Hand thread each of the 4 screws a couple of threads, one screw at a time
  - ⓘ You will likely have to move the shroud and the gasket around to get all 4 holes lined up
- Once all 4 screws are slightly threaded by finger use a 3mm hex bit to tighten the lid down in a star pattern. Do a couple rotations at a time then move to the next screw. Do this until the screws are fully seated
  - ⚠ You will need to repeat the star pattern multiple times threading each screw a turn or two at a time to ensure the shroud seats properly on the airbox
- The properly installed shroud should appear as shown

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Step 22 — Verify Proper Installation

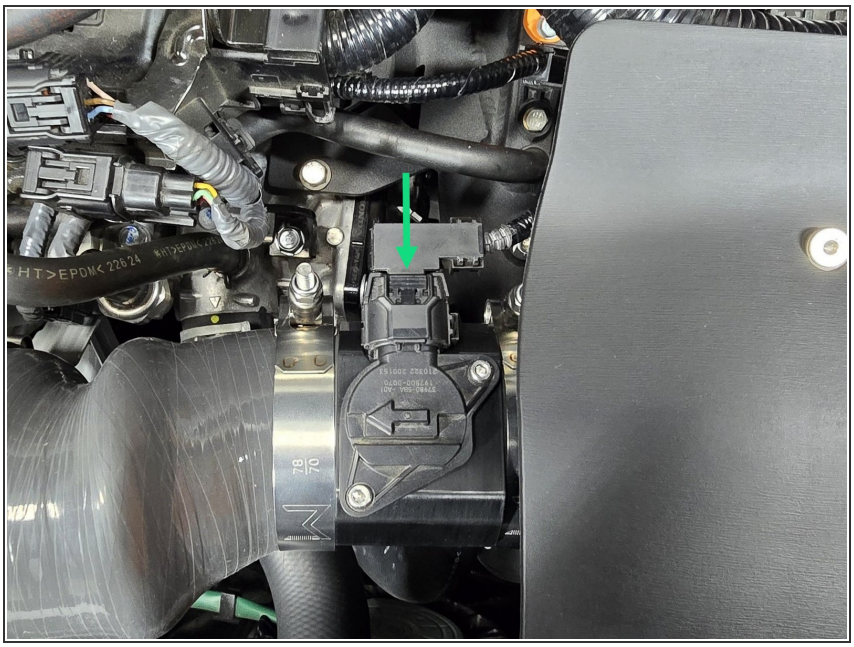




- The right side of the shroud should have ~2mm gap along its edge as shown
  - ⓘ It doesn't cause a problem if the clearance in this area is minimal
- The back side should sit ~1 cm above wiring loom as shown
- The shroud may sit on top of the fuse box as shown. This is ok

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Step 23 — Plug in MAF Sensor



- Plug your MAF sensor back in as shown
- Make sure MAF wiring is not pulled tight. If it is, loosen the clamps and rotate the MAF housing towards the firewall

Step 24 — Final Notes & Tips



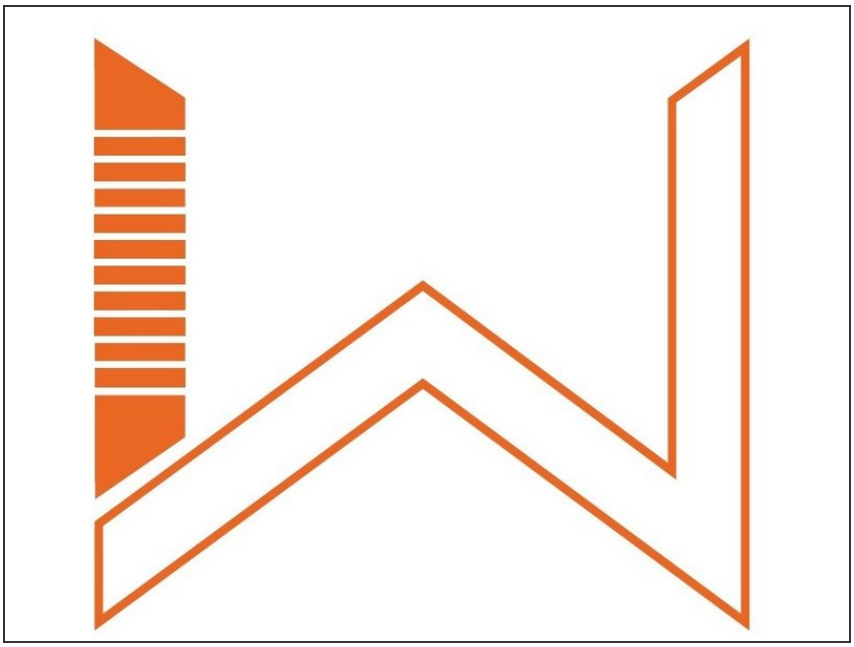
ⓘ At the end of this install you will have one extra clamp, this is to ensure you can install your intake

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whether you have an OE or 27won turbo inlet pipe

- This intake is designed to be ran with, and without the shroud. If you're craving the sounds of an SRI pop the top off and enjoy!

Step 25 — I Dare You to REDEFINE



- This completes the installation of your 27WON Hybrid Cold Air Intake
- We hope you were impressed with your 27WON experience and love your new intake 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/honda-civic-acur...
- Share your experience using #27WON on Instagram and Facebook
- We recommend you check our video on cleaning the air filter at https://youtu.be/nE7diTeI4Gw

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