FL5-6-142-1X Boost Tubes

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 boost tubes and install the 27WON Performance Boost Tubes.

Advisory:

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

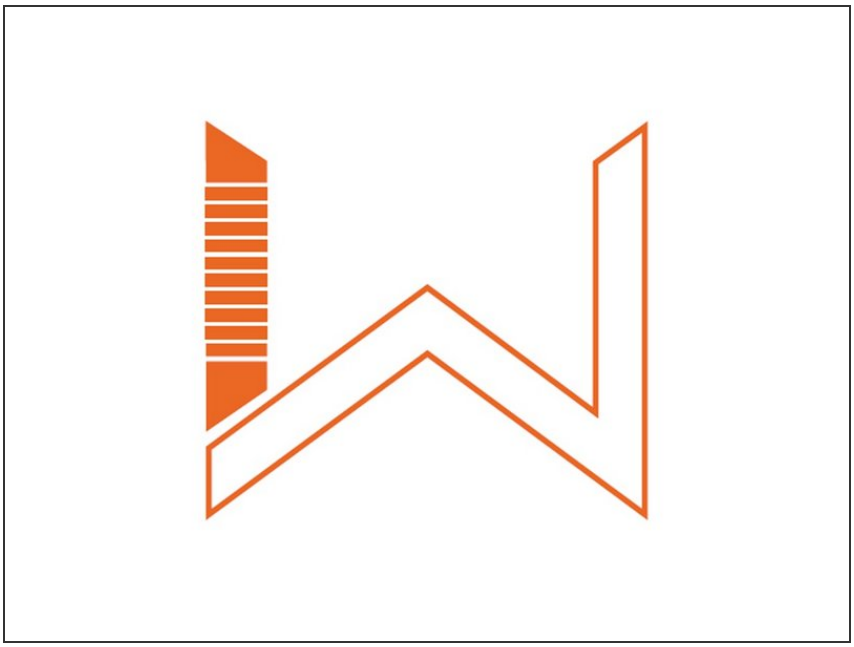
- 1/4" Ratchet (1)
- 3/8" Ratchet (1)
- 3/8" Long Extension (1)
- 5.5mm Socket (1)
- 10mm Socket (1)
- 12mm Socket (1)
- 5mm Allen Key (1)
- Flat Head Screwdriver - Large (1)
- Flat Head Screwdriver - Small (1)
- Phillips Screwdriver - Small (1)
- Small Needle Nose Pliers (1)
- Hydraulic Jack (1)
- Jack Stand (2)

PARTS:

- FL5 Hot Side Boost Tube (1)
- FL5 Cold Side Boost Tube (1)
- FL5 Throttle Body Silicone (1)
- T-Bolt Clamp - 60-68mm (2)
- T-Bolt Clamp - 63-71mm (2)
- T-Bolt Clamp - 70-78mm (2)

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Step 1 — Getting Started



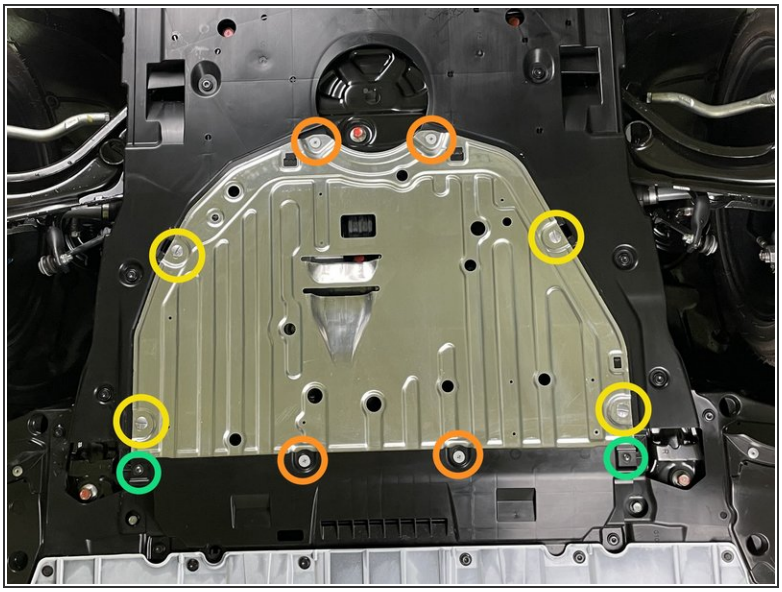
- First and foremost; **THANK YOU** for becoming a part of the 27WON Family. We hope to **REDEFINE** your experience of the aftermarket with the highest level Parts, Customer Service, Packaging, & Support

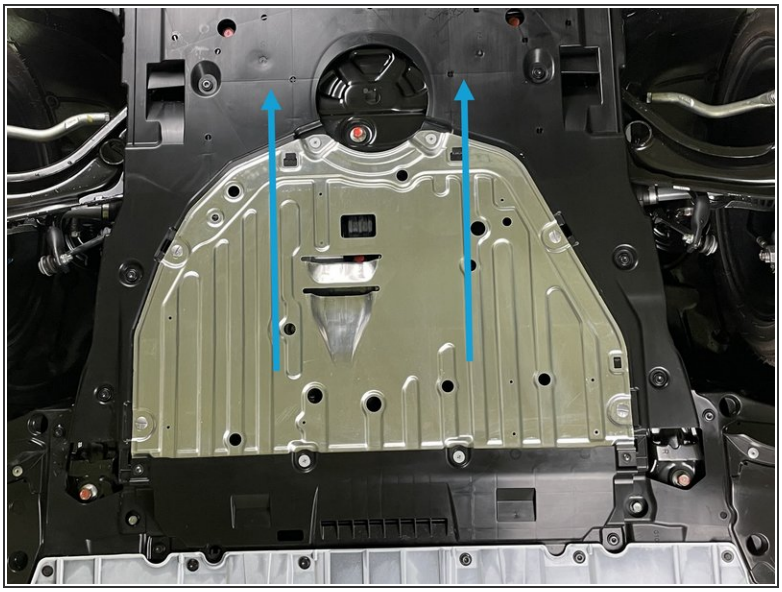
ⓘ The 27WON Boost Tubes are designed with OEM like fitment and closely match overall size and routing. However, fitment with non-27WON aftermarket intakes and intercooler kits is not guaranteed

ⓘ This is shown on an FL5 Type R. The process is identical on the Integra Type S

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Step 2 — Remove the Metal Undertray



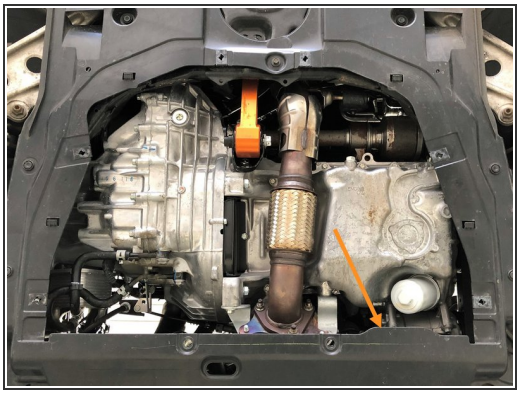
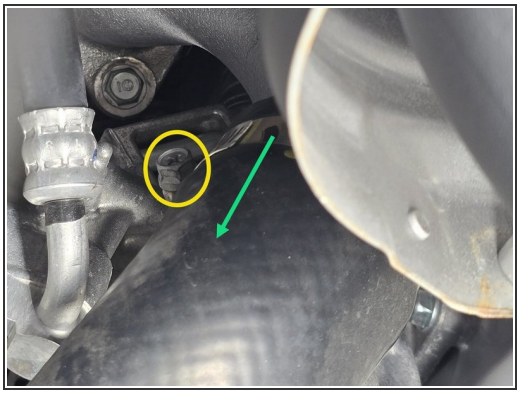
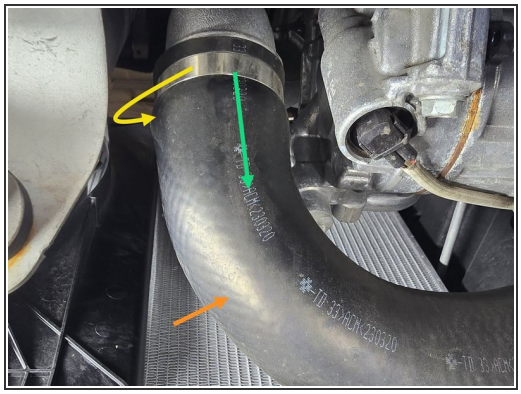


- Raise the vehicle and support with jackstands in the OE recommended locations
- Locate the engine undertray to gain access to the OEM hot side boost tube and lower section of the OEM cold side boost tube
- Remove the four Phillips head bolts using a Phillips screwdriver
- Remove the four quarter turn screws using a large Flathead screwdriver
- Remove the two Philips head screws using a Philips screwdriver
- Slide the metal section rearward and remove it from the vehicle

⚠ The metal section of the undertray can be sharp. Use caution when handling it

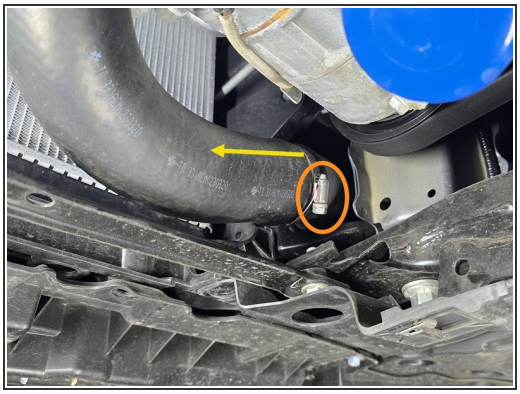
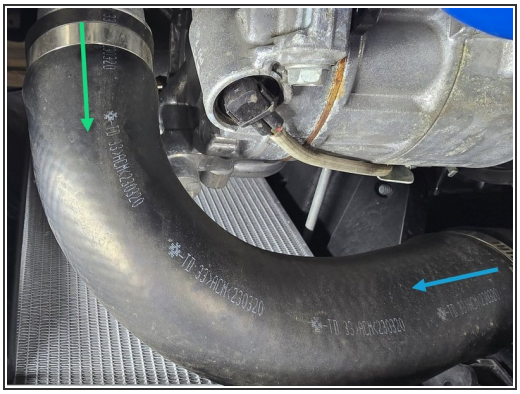
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Step 3 — Remove OEM Hot Side Boost Tube - Part 1

- Locate the OEM hot side boost tube. It's in the general area of the orange arrow
- Loosen the clamp that connects the OEM hot side boost tube to the turbocharger using a 10mm socket and a 3/8" drive ratchet
- Slide the clamp toward the center of the OEM hot side boost tube and out of the way

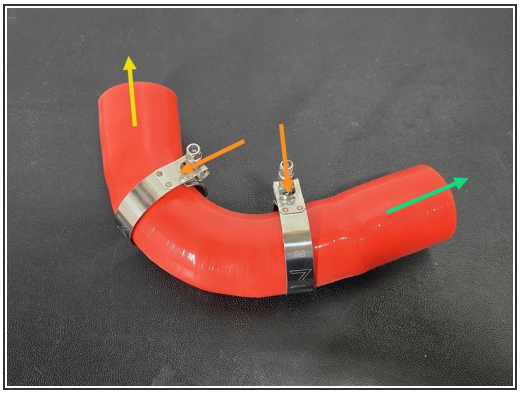
Step 4 — Remove OEM Hot Side Boost Tube - Part 2

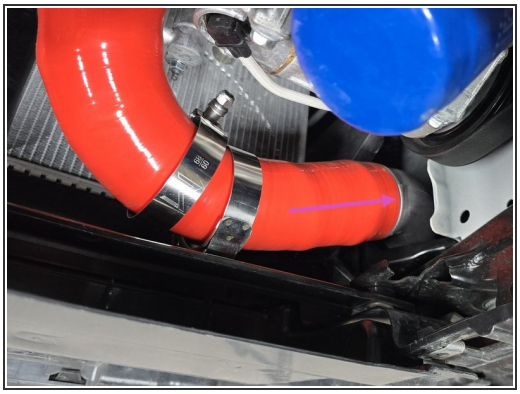




- Loosen the clamp that attaches the OEM hot side boost tube to the intercooler using a 10mm socket and ratchet
- Slide this clamp toward the center of the OEM boost tube and out of the way
- Pull the OEM boost tube free from the turbocharger
- Pull the OEM boost tube free from the intercooler and remove it from the vehicle

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Step 5 — Install 27WON Hot Side Boost Tube - Part 1

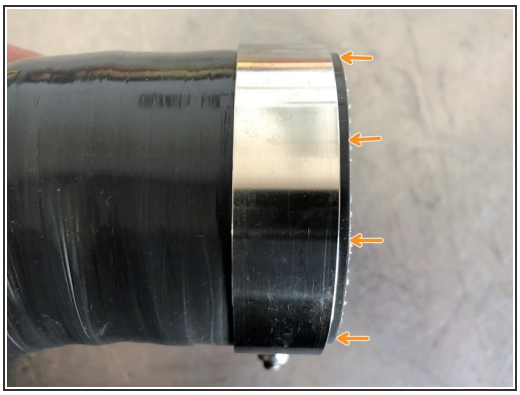


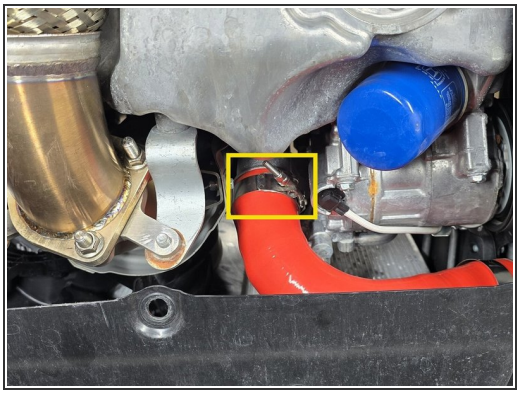


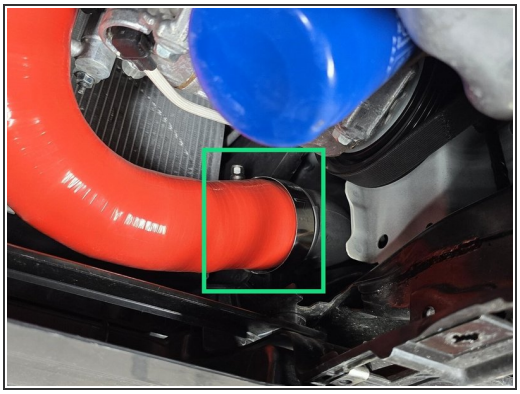
- Locate the 27WON hot side boost tube
- Install the two supplied 60-68mm clamps near the center of the boost tube as shown
- The boost tube will go into the car in the orientation shown
  - Turbo side
  - FMIC side
- Push the 27WON boost tube onto the turbocharger until flush with the stopper as shown
- Push the 27WON boost tube onto the intercooler until flush with the stopper as shown

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Step 6 — Install 27WON Hot Side Boost Tube - Part 2



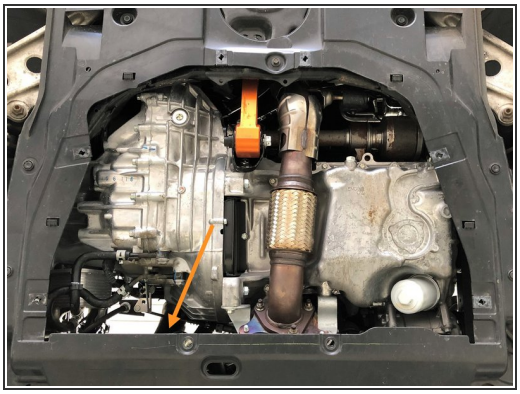
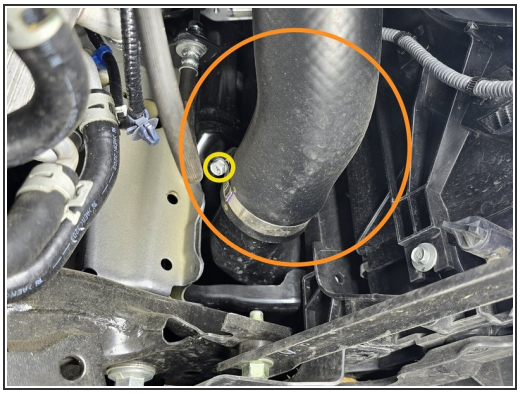
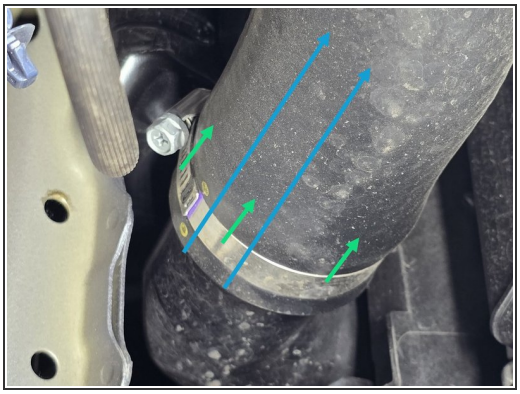




- Image 1 on this page shows what we mean by "correctly positioning" the clamps. There should be a small gap between the clamp and the end of the silicone (2-4mm). This gap should be even all the way around the silicone. Use this image as a reference when tightening all supplied clamps
- Correctly position the 60-68mm clamp on the turbocharger and tighten with a 10mm socket and 3/8" drive ratchet until the silicone starts to bulge slightly at the edge of the clamp
  - ⓘ The clamp orientations shown are the easiest to access/tighten
- Correctly position the 60-68mm clamp on the intercooler as shown and leave to be tightened from above later
  - ⓘ This clamp can be tightened now, but is much easier to reach from above with a 12" extension

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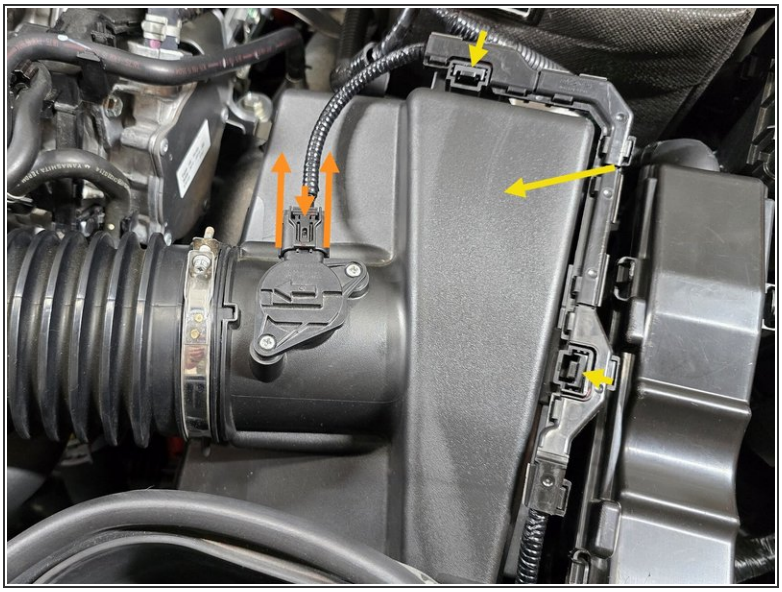
Step 7 — Remove OEM Cold Side Boost Tube at Intercooler

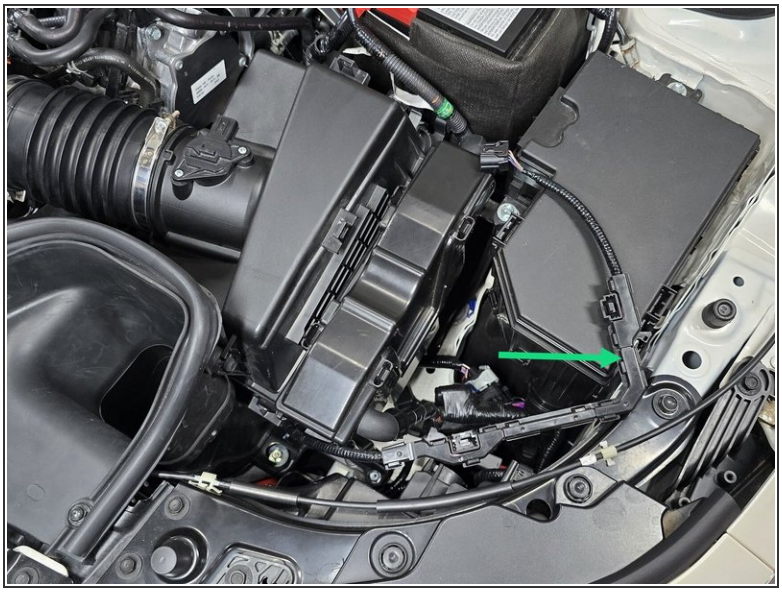




- Locate the lower portion of the OEM cold side boost tube. It's in the general area of the orange arrow
- Loosen the clamp that connects the OEM cold side boost tube to the intercooler using a 10mm socket and 3/8" drive ratchet
- Slide the clamp up the tube and out of the way
- Pull the OEM boost tube free from the intercooler

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Step 8 — Unplug & Disconnect MAP Sensor

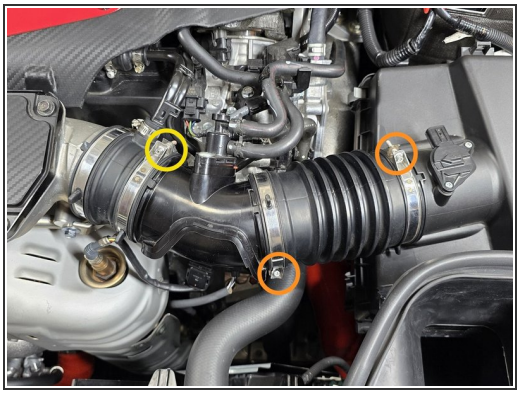
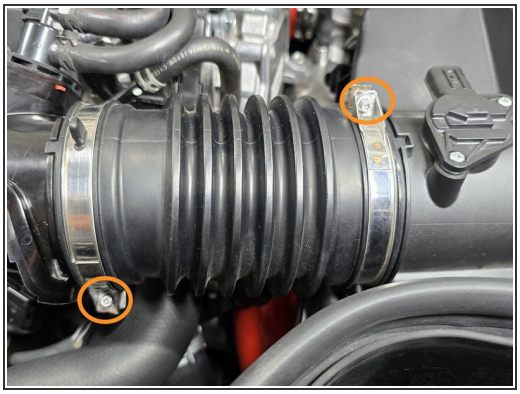




- OE Intake removal is shown next. Skip to Step 14 and follow manufacturers instructions for aftermarket intakes
- Moving back to the topside of the engine, begin removing the intake to gain access to the OEM cold side boost tube
- Unplug the connector for MAF sensor by using your fingers to press down on the plastic clip and pulling the plug away from the airbox as shown
- Using your finger press the two tabs shown towards the airbox, and lift on the wire loom to disconnect the loom from the airbox lid
- Set the MAF sensor wire out of the way

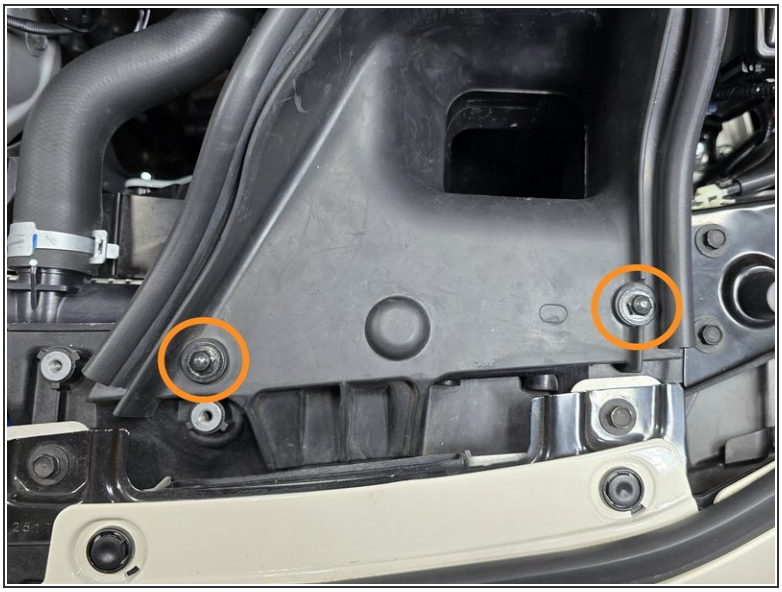
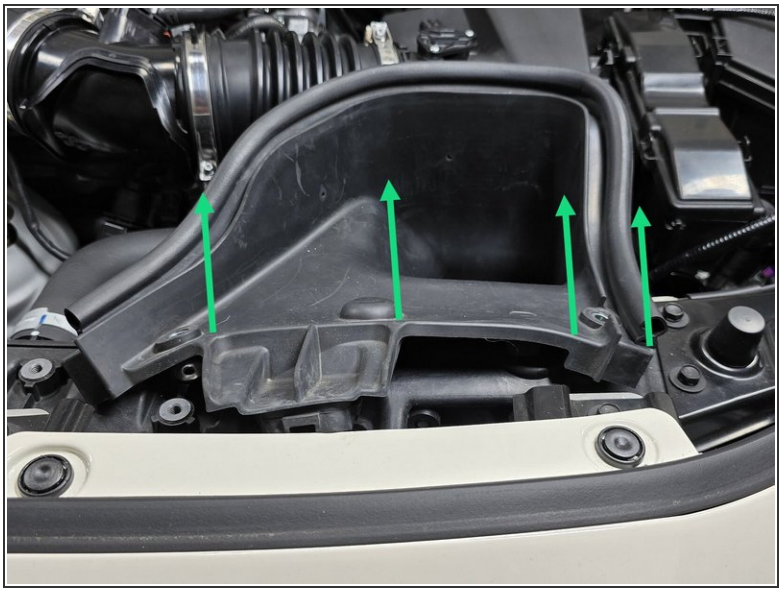
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Step 9 — Loosen Clamps On Factory Air Intake Tube


- Use a 5.5mm socket and 3/8" ratchet or a small Phillips screwdriver to loosen the two intake clamps circled in orange
- Use a 5.5mm socket and 3/8" ratchet or a small Phillips screwdriver to loosen the one EVAP elbow clamp circled in yellow

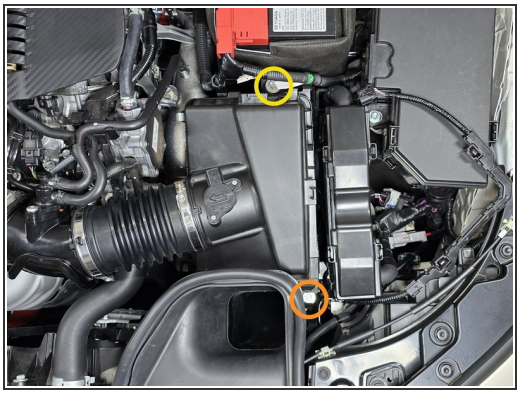
Step 10 — Loosen Intake Duct

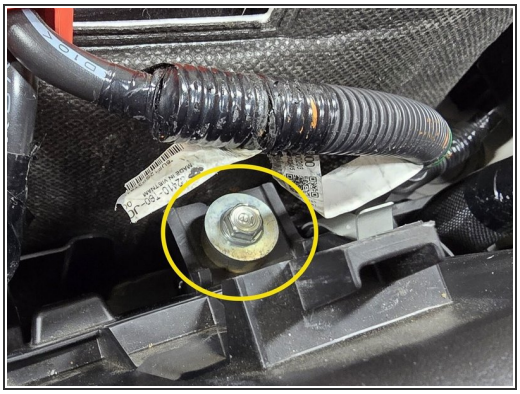



- Use a 3/8" drive ratchet and a 10mm socket to remove two (2) bolts that hold the intake duct in place
- Using your hand pull the rubber end of the duct out of its slot in the radiator shroud
  - ⓘ This may take a bit of force the first time it comes out

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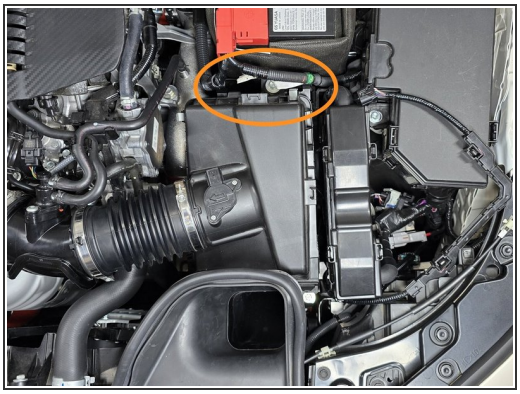
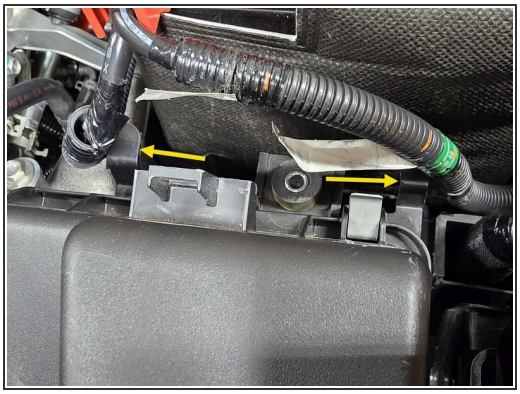
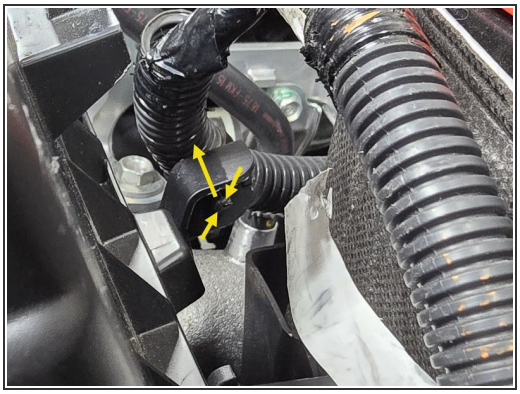
Step 11 — Remove Intake Mounting Bolts





- Use a 3/8" ratchet, a long extension, and a 10mm socket to remove lower intake bolt
- Use a 3/8" ratchet, a long extension, and a 10mm socket to remove the upper battery bracket bolt

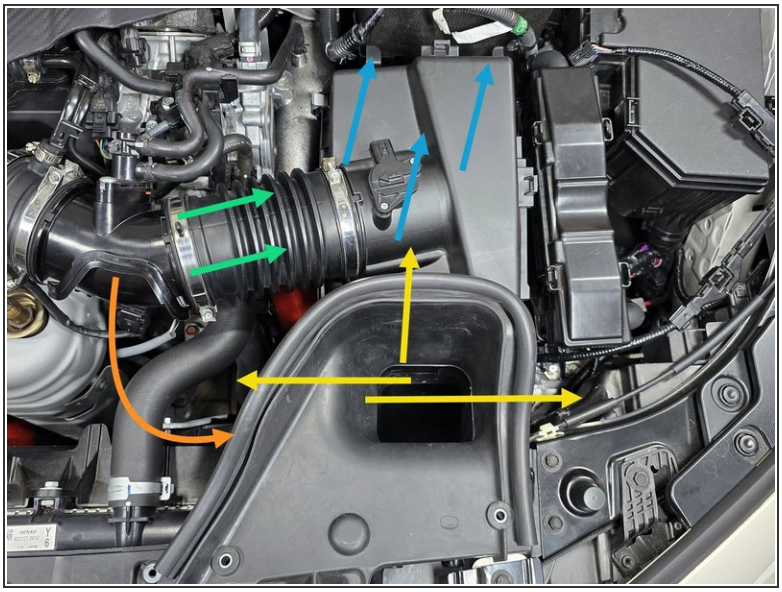
Step 12 — Free Battery Cables From Airbox

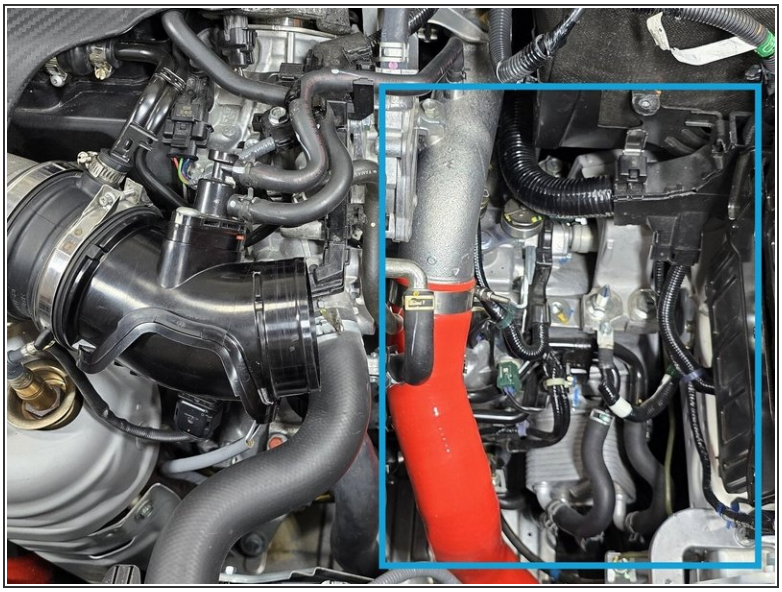




- Locate the two positive battery cables that need to be freed from the upper airbox in order to remove the airbox
- Using your fingers or a pair of needle nose pliers pinch the two battery cable clips and push them out of the airbox bracket
  - ⓘ Only one side is shown, the other side is the same process

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Step 13 — Remove OE Airbox

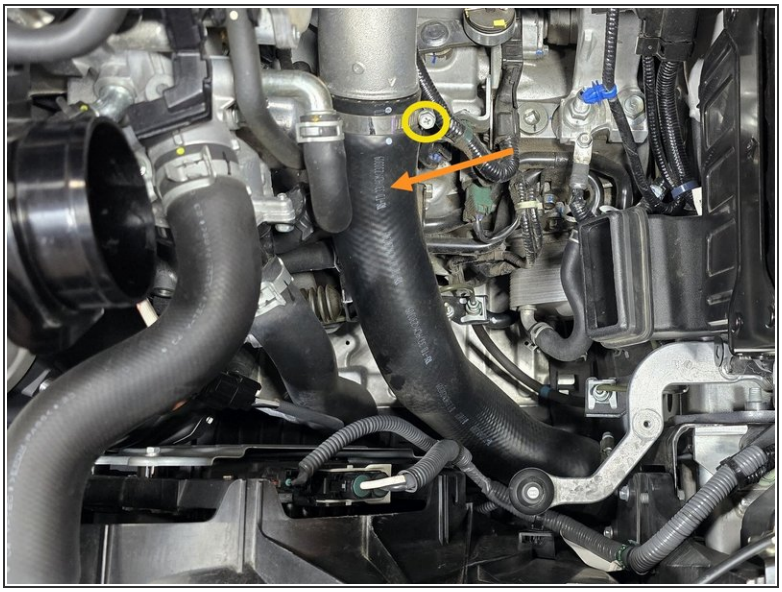


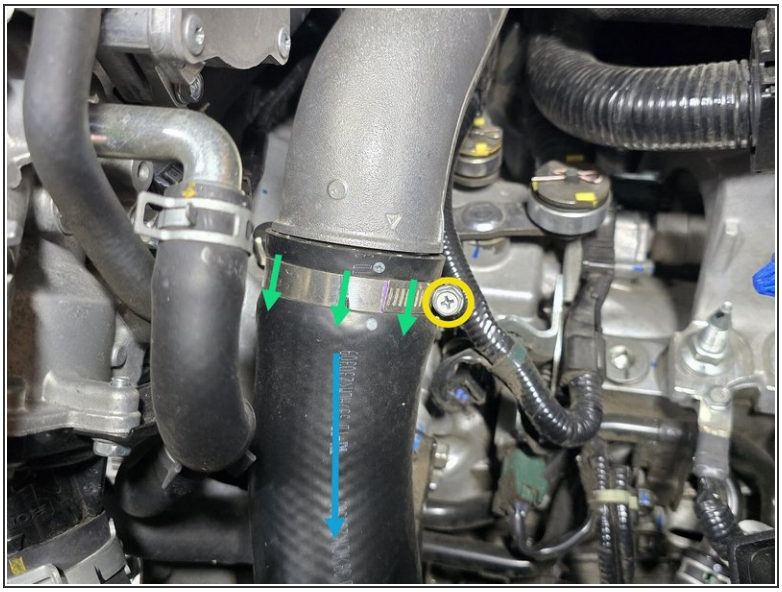


- The airbox is still connected to the chassis with a rubber grommet and stud underneath the intake inlet in the area shown
- Wiggle the inlet back and forth while lifting on the entire airbox to get it loose from the grommet as shown
- Using your hand pull the accordion intake tube off of the hard plastic EVAP elbow as shown
- With the intake tube now freed, pull the airbox assembly out of the engine bay

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Step 14 — Remove OEM Cold Side Boost Tube at Cold Pipe

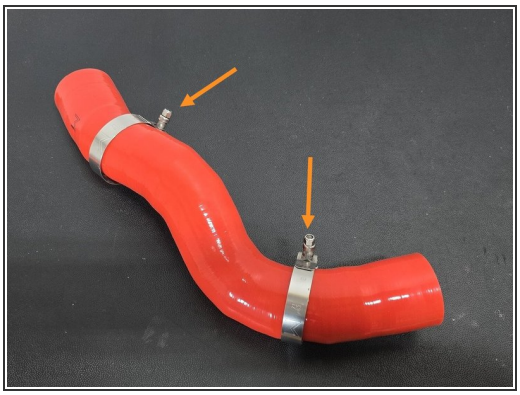
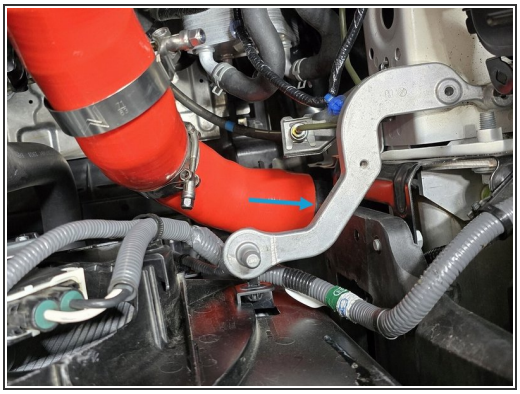
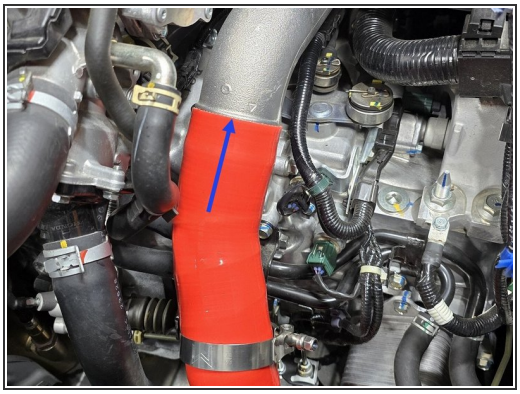




- Locate the cold side boost tube
- Using a 10mm socket and 3/8" drive ratchet, loosen the clamp where the OEM boost tube connects to the OEM cold pipe
- Slide this clamp down the OEM boost tube
- Pull the OEM boost tube free from the OEM cold pipe
- Remove the OEM cold side boost tube from the engine bay

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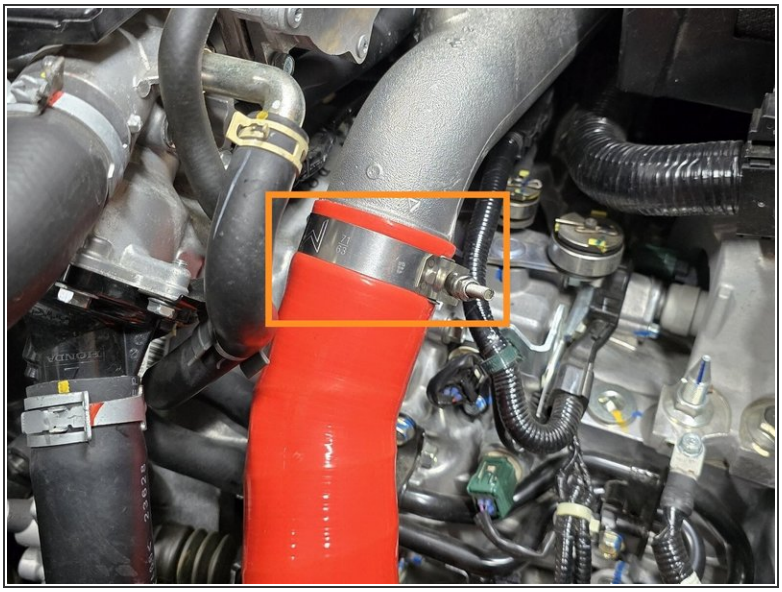
Step 15 — Install 27WON Cold Side Boost Tube - Part 1

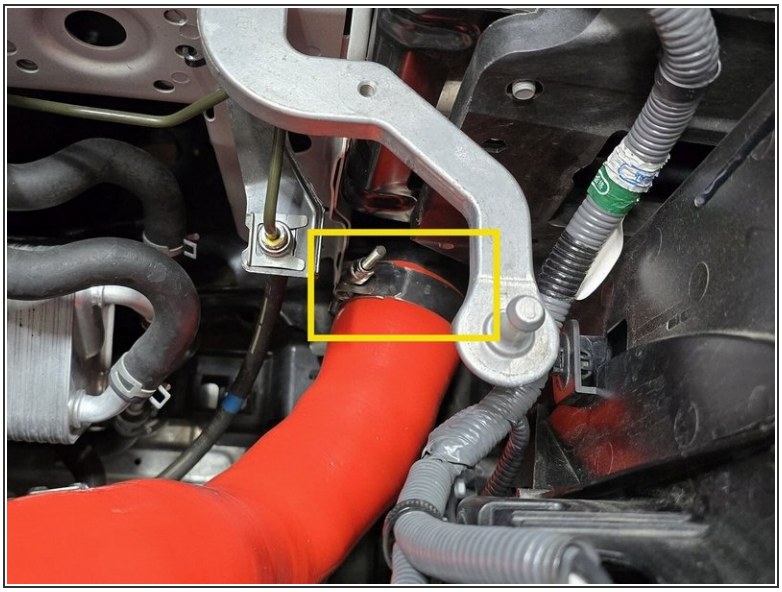




- Locate the 27WON cold side boost tube
- Install the two supplied 63-71mm clamps away from the ends of the silicone as shown
- Position the boost tube in the orientation shown
  - Cold pipe end
  - Intercooler end
- Push the 27WON boost tube onto the intercooler until flush with the stopper as shown
- Push the 27WON boost tube onto the cold pipe until flush with the stopper as shown

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Step 16 — Install 27WON Cold Side Boost Tube - Part 2

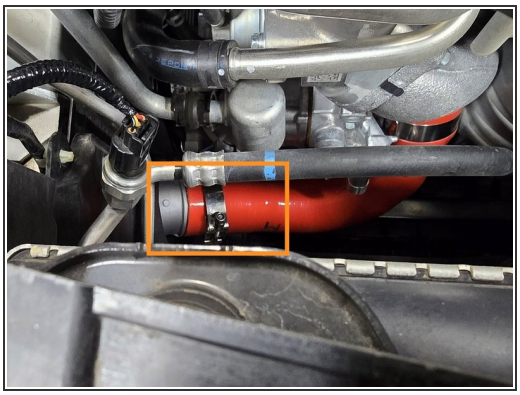
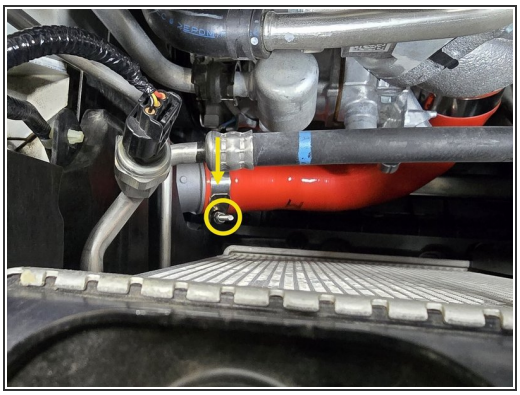
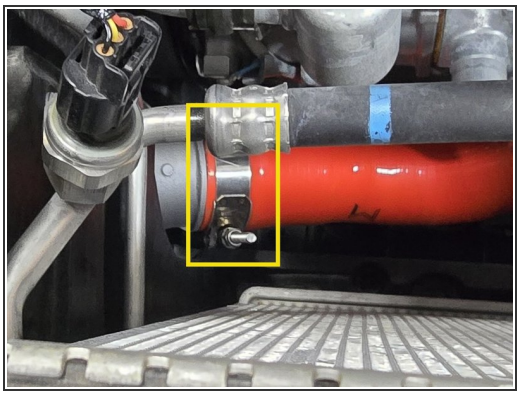




- Correctly position the 63-71mm clamp over the cold pipe and tighten with a 10mm socket and 3/8" drive ratchet until the silicone starts to bulge slightly at the edge of the clamp
- Correctly position the 63-71mm clamp over the Intercooler and tighten with a 10mm socket, a 12" extension, and a 3/8" drive ratchet until the silicone starts to bulge slightly at the edge of the clamp
  - ⓘ See Step 6 for correct clamp positioning
  - ⓘ The clamp orientations shown are easy to access and provide clearance to airboxes and intakes

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Step 17 — Finish Installing the 27WON Hot Side Boost Tube

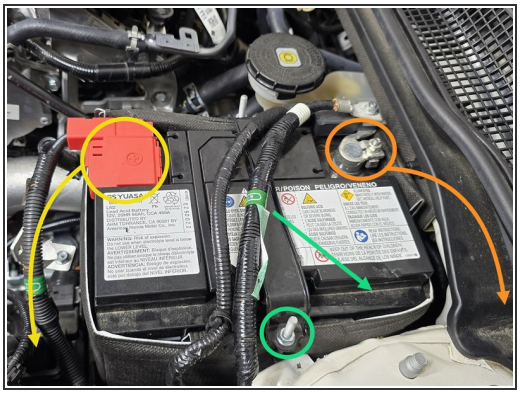
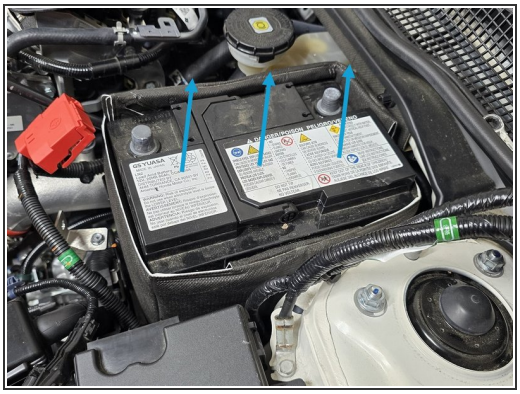
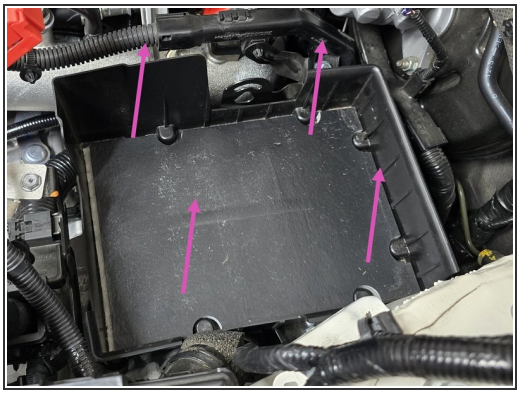




ⓘ If you tightened this clamp while under the car, you can skip this step

- Looking down between the radiator and turbocharger you can get a straight shot at the connection between the hot side boost tube and intercooler
- Correctly position the 60-68mm clamp on the intercooler and tighten with a 10mm socket, a 12" extension, and 3/8" drive ratchet until the silicone starts to bulge slightly at the edge of the clamp
  - ⓘ If the 12" extension does not provide enough clearance, a longer extension or a stack of multiple extensions can provide better reach

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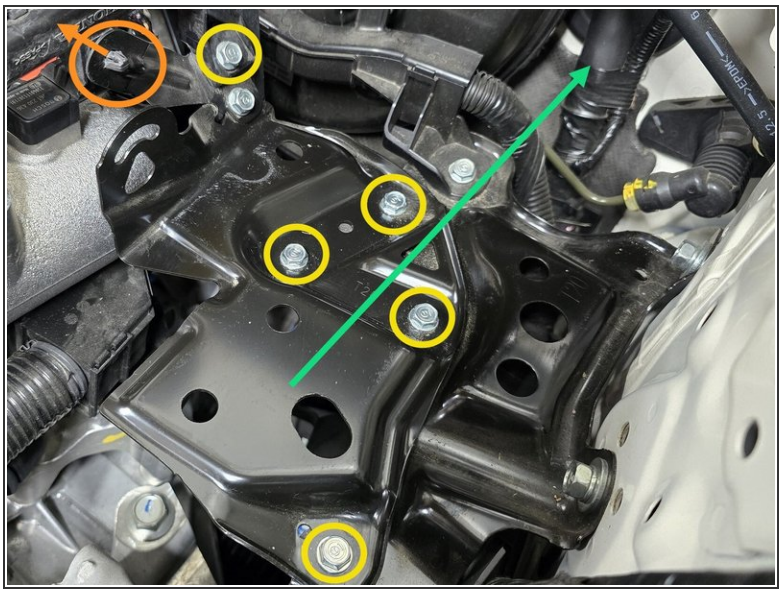
Step 18 — Remove the Battery

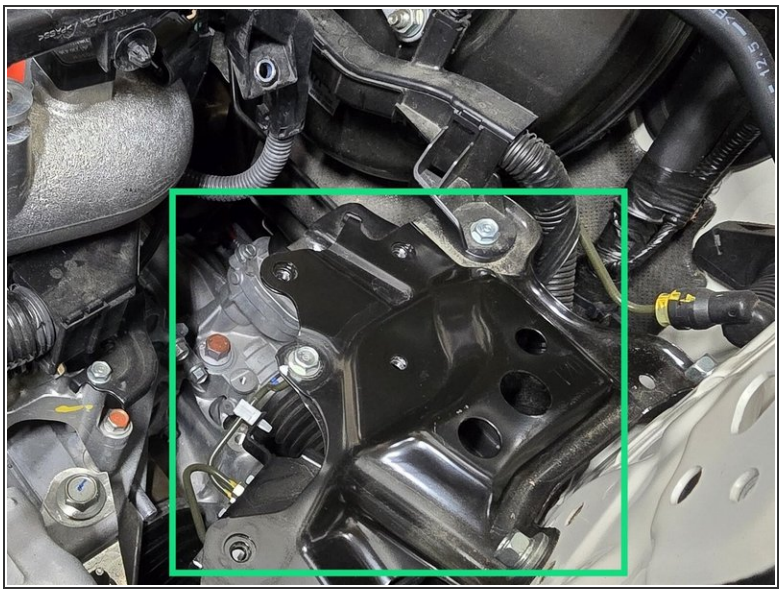




- The battery, and battery tray will need to be removed for easy access to the throttle body silicone
- If you have an FSTB installed it will need to be removed before proceeding
- Loosen the nut on the negative battery cable with a 10mm socket and a 3/8" drive ratchet then remove the negative cable from the battery. Tuck the cable out of the way
- Loosen the nut on the positive battery cable with a 10mm socket and a 3/8" drive ratchet then remove the positive cable from the battery. Tuck the cable out of the way
- Loosen one of the nuts on the battery tiedown with a 10mm socket and a 3/8" drive ratchet then remove the hook and battery tiedown from the battery
- With the cables and tiedown out of the way lift the battery out of the engine bay and set it to the side
  - Note that there may be a handle on your battery that makes removal easier
- Remove the plastic battery tray from the engine bay to expose the lower metal battery tray

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Step 19 — Remove the Battery Tray

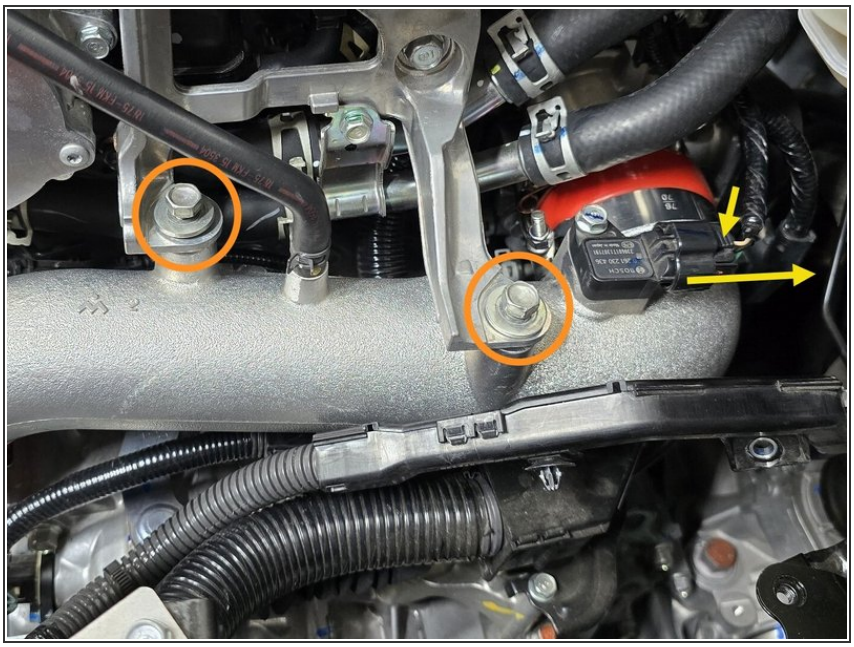




- Use your fingers or a pair of pliers to pinch the clip circled in orange and push it out of the bracket
- Use a 10mm socket, a 6" extension, and a 3/8" drive ratchet to remove the five bolts circled in yellow
- With the lower battery tray free, remove it from the engine bay as shown

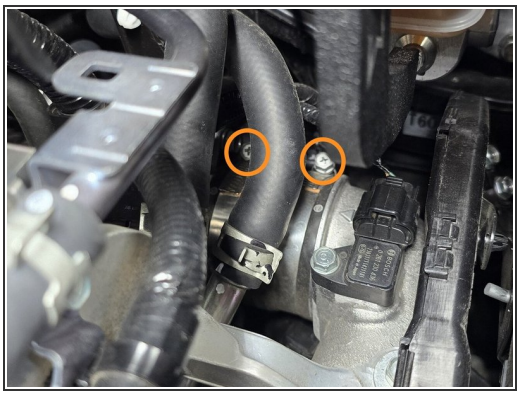
© 2026

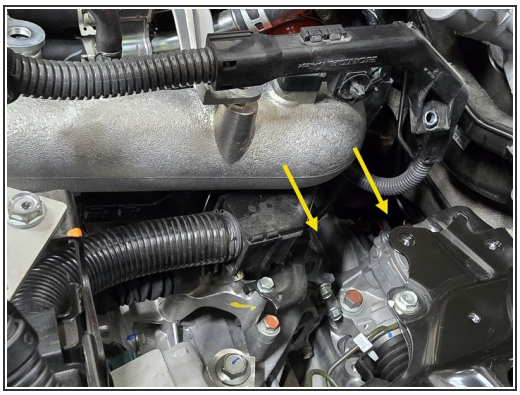
Step 20 — Free the Cold Pipe

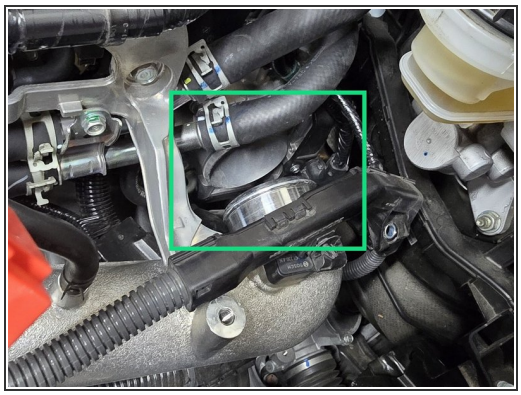


- The cold pipe will need to be unbolted from the engine block brackets to allow the necessary movement to remove the throttle body silicone
- Use a 12mm socket, a 6" extension, and a 3/8" drive ratchet to remove the two mounting bolts circled in orange
- Unplug the MAP sensor by pressing down on the mounting tab, and pulling the plug towards the firewall

Step 21 — Remove the OEM Throttle Body Silicone



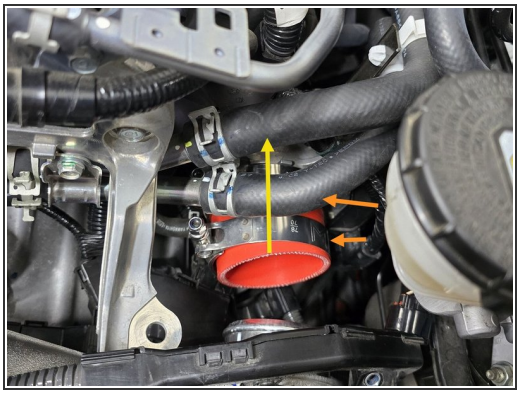
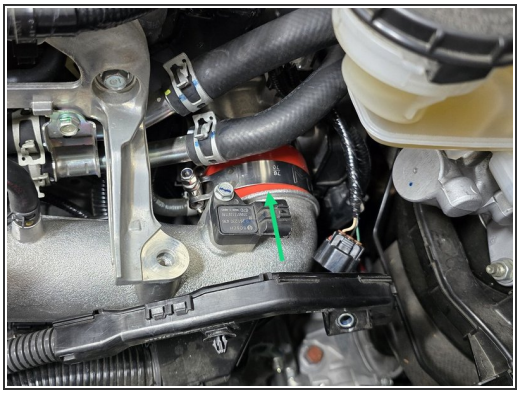
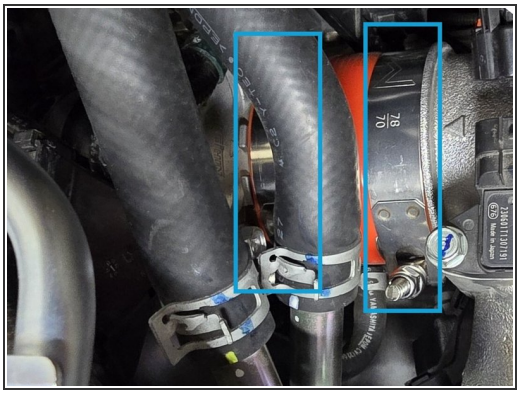




- Use a 10mm socket, a 6" extension, and a 3/8" drive ratchet loosen the two hose clamps securing the OEM silicone
- With both clamps loose, pull the cold pipe towards the drivers side of the vehicle and out of the throttle body silicone
- With the cold pipe out of the way, remove the OEM silicone as shown

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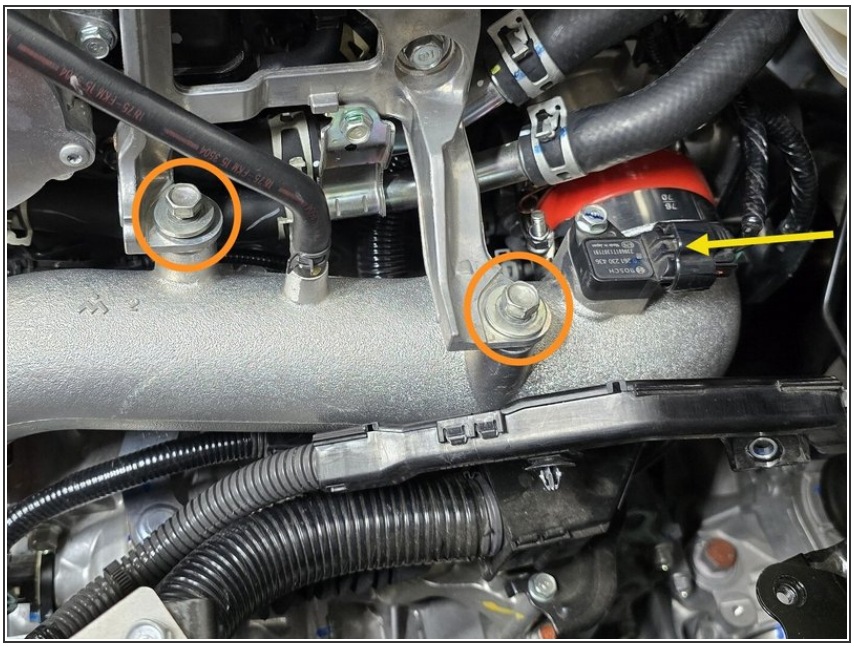
Step 22 — Install the 27WON Throttle Body Silicone

- Loosely place the 70-78mm clamps on the 27WON silicone
  - ⓘ This silicone is **not** directional, so the orientation of the silicone itself is not important
- While holding the cold pipe out of the way, push the silicone over the throttle body until flush with the stopper on the throttle body
- Push the cold pipe into the silicone until flush with the stopper on the cold pipe as shown
- Correctly position the 70-78mm clamps on the throttle body and cold pipe, and tighten with a 10mm socket, a 6" extension, and 3/8" drive ratchet until the silicone starts to bulge slightly at the edge of the clamp

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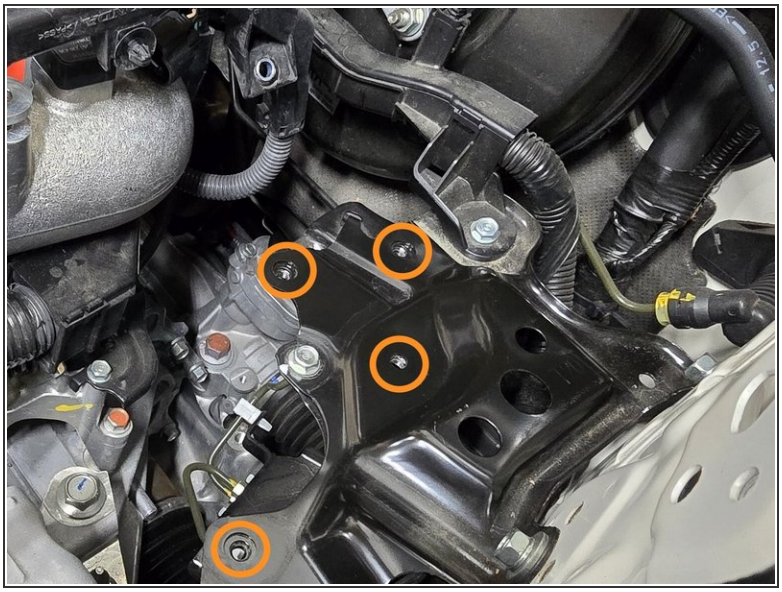
Step 23 — Reconnect the Cold Pipe

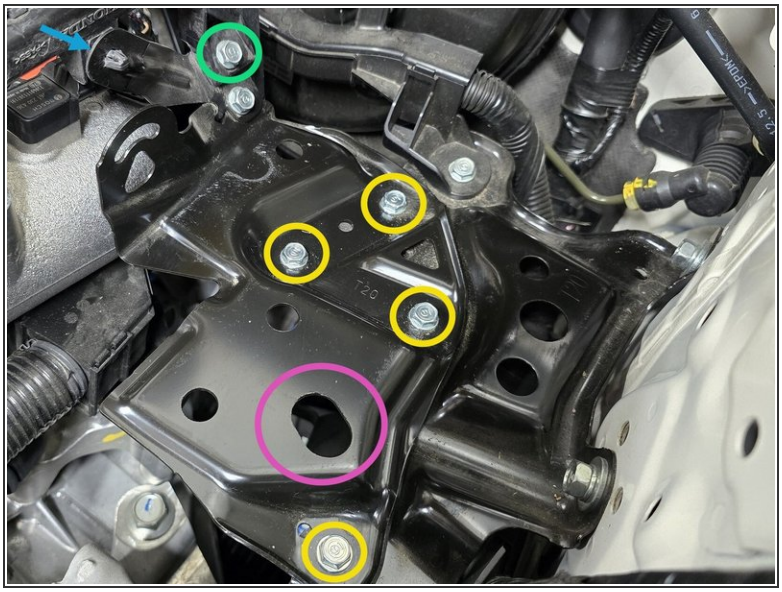


- Thread the two mounting bolts into the cold pipe as shown then use a 12mm socket, a 6" extension, and a 3/8" drive ratchet to tighten them down
- Plug the MAP sensor back in as shown

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Step 24 — Reinstall the Battery Tray

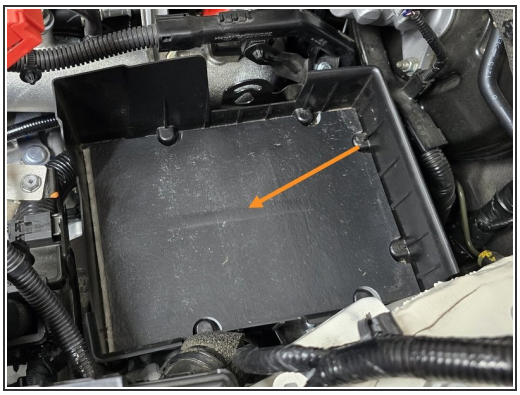
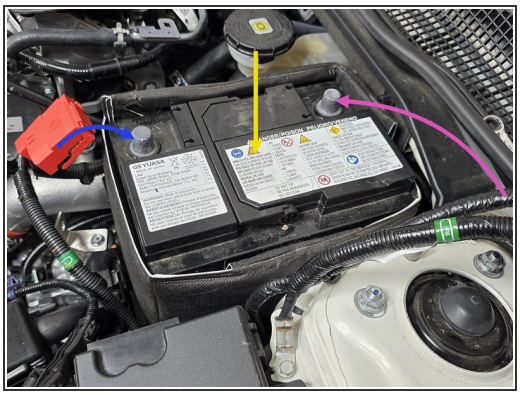
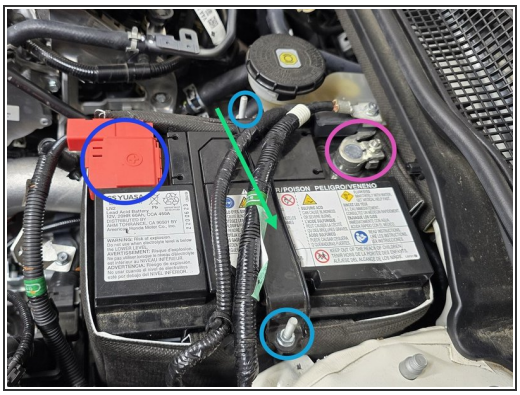




- The lower battery bracket will need to align with the four holes circled in orange when reinstalled
- Thread the four mounting bolts as shown, then use a 10mm socket, a 6" extension, and a 3/8" drive ratchet to tighten them down
- Thread the wire mounting bolt through the plastic loom as shown, then use a 10mm socket, a 6" extension, and a 3/8" drive ratchet to tighten the bolt down
- Press the wire mounting clip through the bracket as shown until it "clicks" into place
- The plastic battery tray will slot into the hole circled in pink

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Step 25 — Reinstall the Battery

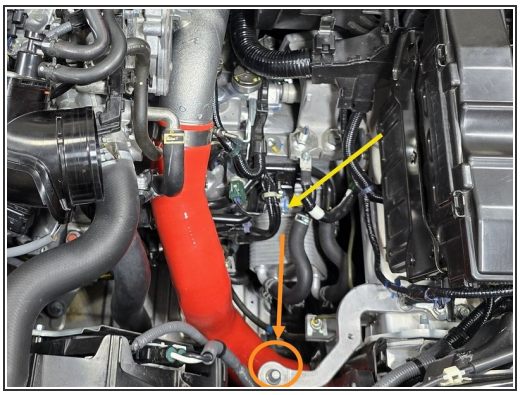
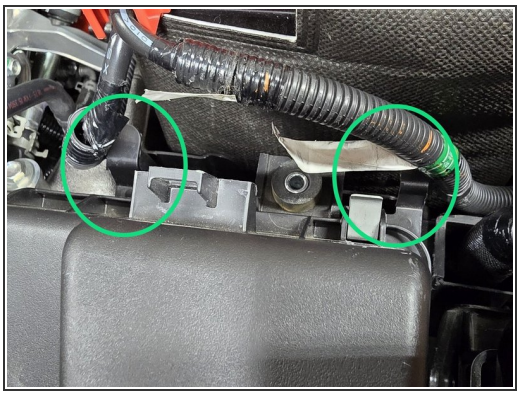
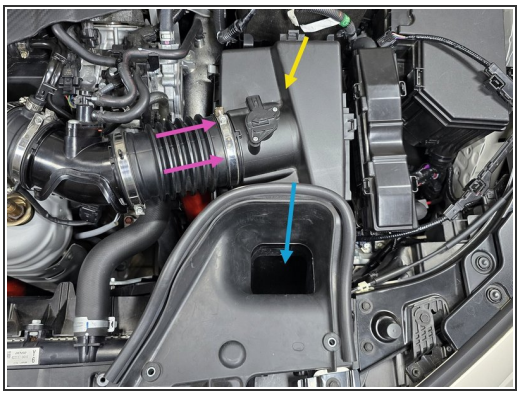




- Place the plastic battery tray into the engine bay in the orientation shown, the plastic alignment pin on the bottom will slot into the hole circled in the last step
- Place the battery into the plastic tray in the orientation shown
- Place the battery tie down over the battery in the orientation shown, with the shorter hook towards the drivers side of the vehicle
- Place the tie down hooks into their respective holes, then tighten down the two nuts with a 10mm socket, and a 3/8" drive ratchet until snug

  ⚠ If these are too tight the tie down can damage the battery cap
- Place the positive cable over the positive terminal, then use a 10mm socket, and a 3/8" drive ratchet to tighten the terminal clamp
- Place the negative cable over the negative terminal, then use a 10mm socket, and a 3/8" drive ratchet to tighten the terminal clamp

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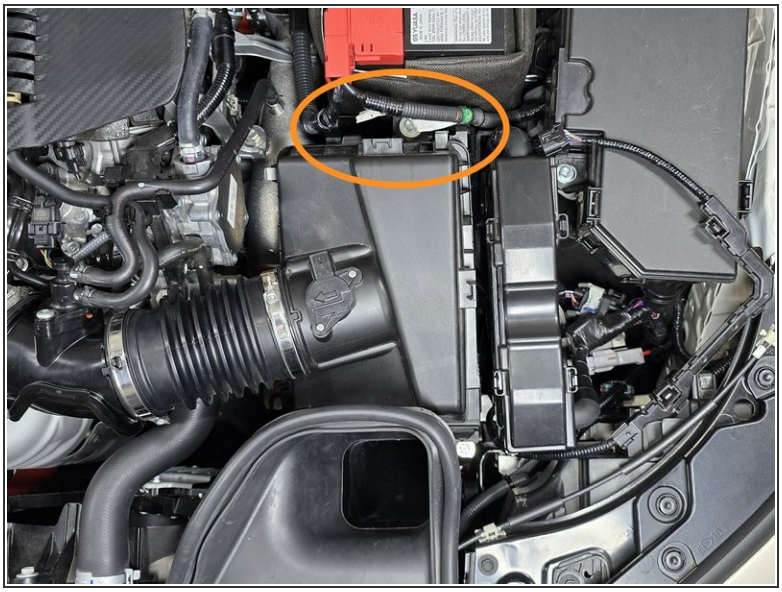
Step 26 — Reinstall OEM Intake

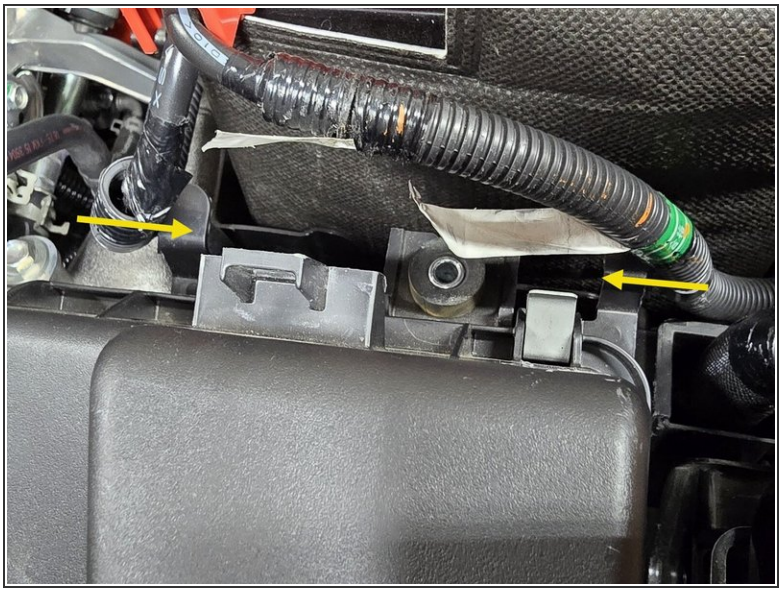




- ⓘ OE Intake installation is shown next. Skip to Step 31 and follow manufacturers instructions for aftermarket intakes
- When reinstalling the airbox there is a rubber grommet on the bottom of the box that must fit on an aluminum peg in the engine bay
- Insert the airbox into the engine bay in a similar manner that it was removed
  - ⓘ The front will sit in an approximately correct location while the back pivots downward
- Use care when maneuvering the rear brackets around the battery cables so as to not damage the cables
- Press the front of the airbox down over the aluminum peg mentioned above
  - ⓘ You should be able to feel the peg insert into the rubber grommet
- Press the OEM intake tub over the airbox lid as shown

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Step 27 — Reattach Battery Cables to the Airbox Lid

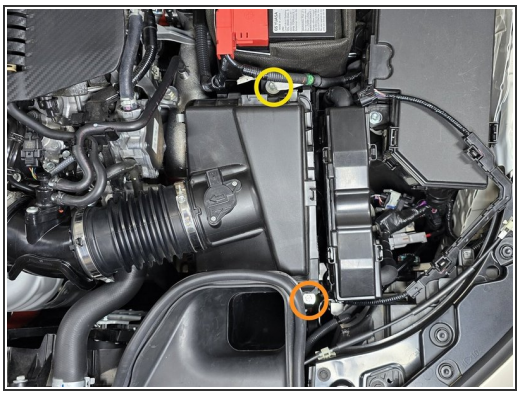




- The battery cables will need to be reconnected to the airbox in the location shown
- Press the plastic clips on the battery cables into the mounting holes on the airbox as shown

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Step 28 — Reinstall Airbox Mounting Bolts



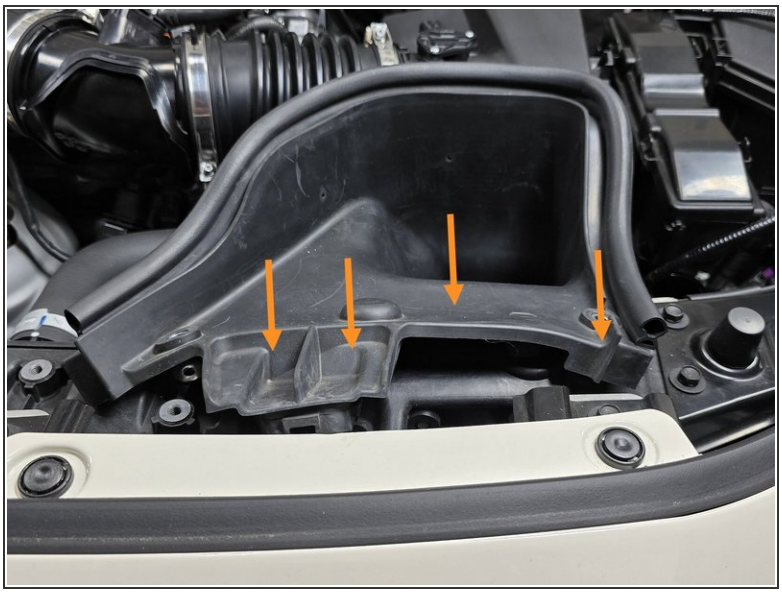


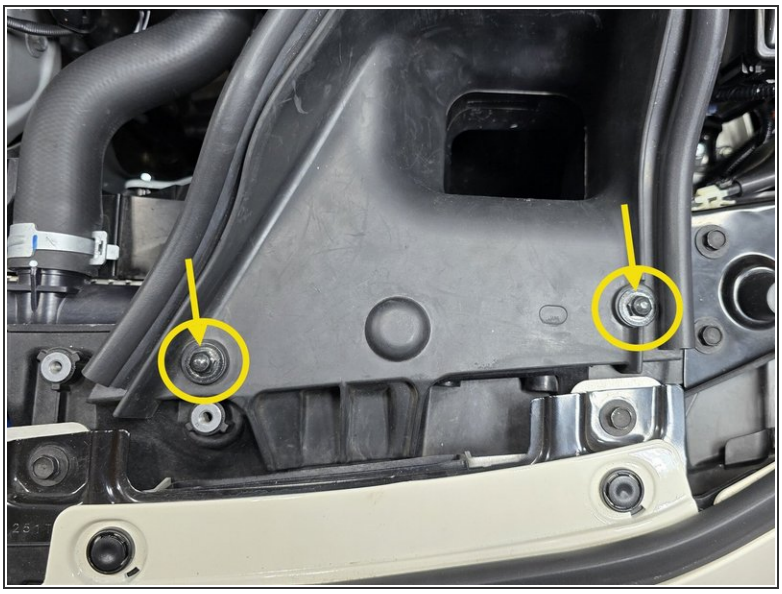
ⓘ The airbox may need to be shifted around to align the mounting bolts with their matching threaded holes

- Using a 10mm socket, and a 12" extension hand thread the lower mounting bolt
  - Use the same combination of tools and a 3/8" drive ratchet to tighten down the lower airbox mounting bolt
- Using a 10mm socket, and a 12" extension hand thread the upper battery bracket bolt
  - Use the same combination of tools and a 3/8" drive ratchet to tighten down the upper battery bracket bolt

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Step 29 — Secure Airbox Inlet

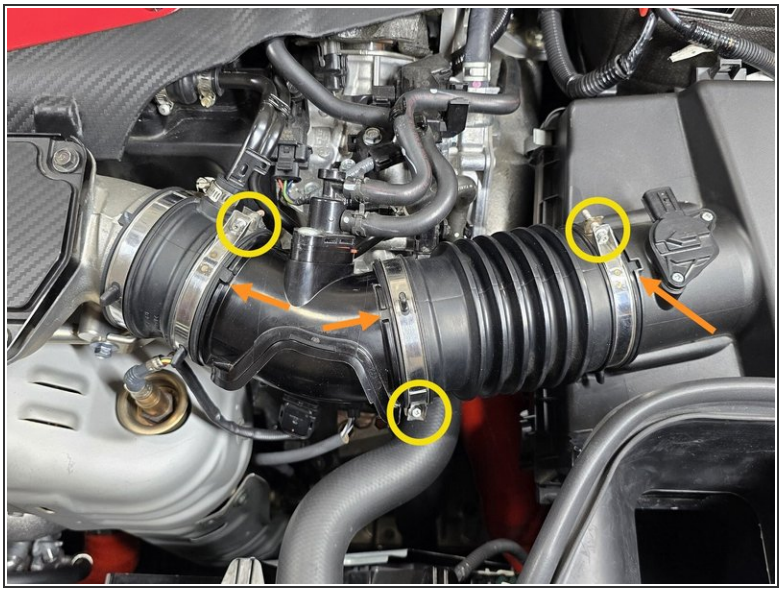


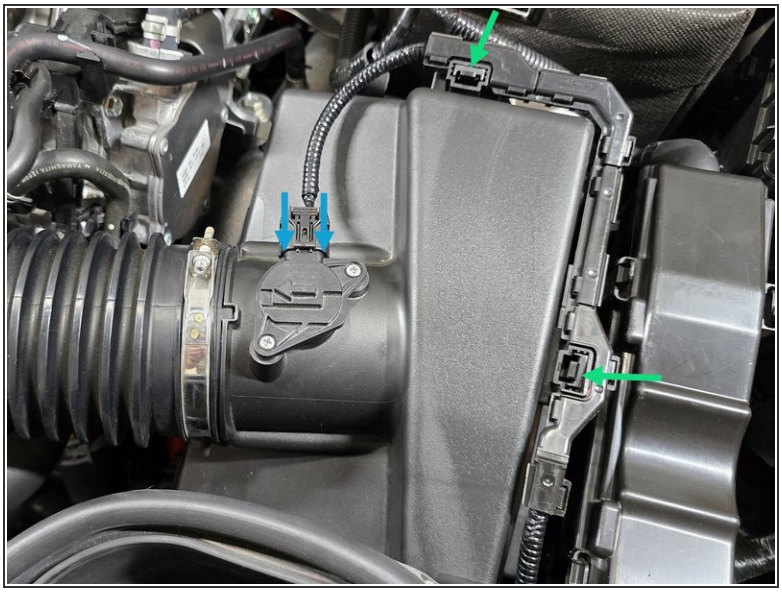


- Use your hand to press the intake inlet back into its slots on the radiator shroud
  - ⓘ This will require a bit of force, and some moving back and forth to ensure it is fully seated the first time
- Hand thread the two inlet mounting bolts in the locations shown
  - Use a 10mm socket and a 3/8" drive ratchet to tighten both bolts

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Step 30 — Secure Airbox Tube and MAF Sensor Wire

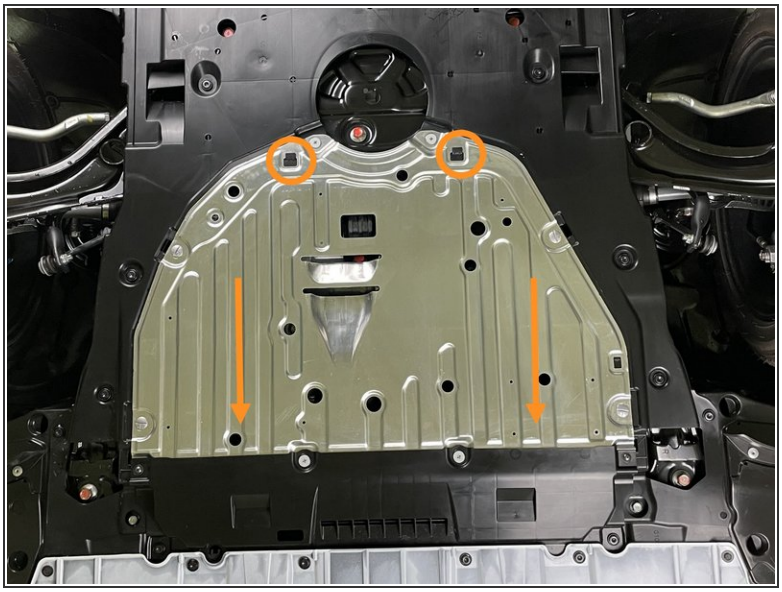


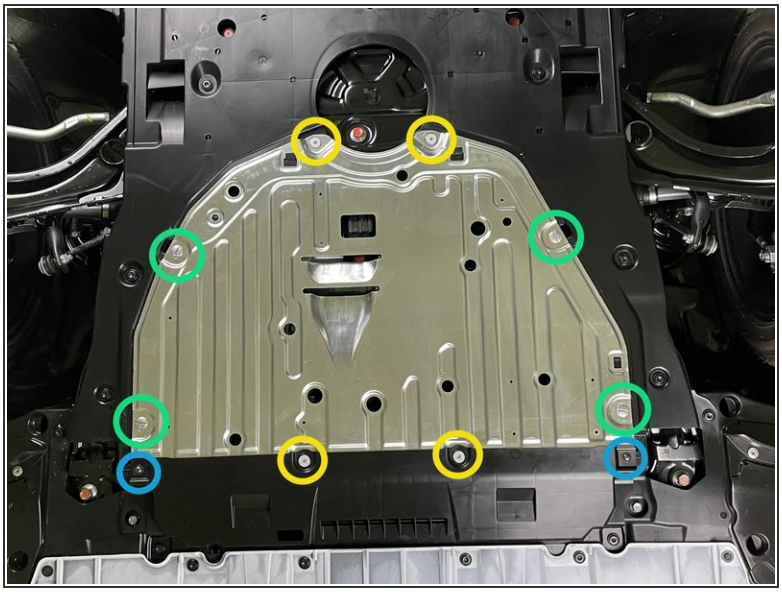


- Verify the OE intake tube and EVAP elbow are fully seated in the locations shown
- Use a 5.5mm socket and 3/8" ratchet or a small Phillips screwdriver to tighten the three intake clamps circled in yellow
- Press the MAF wire loom into the mounting tabs on the airbox lid as shown
- Plug the MAF sensor back in

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Step 31 — Reinstall the Undertray



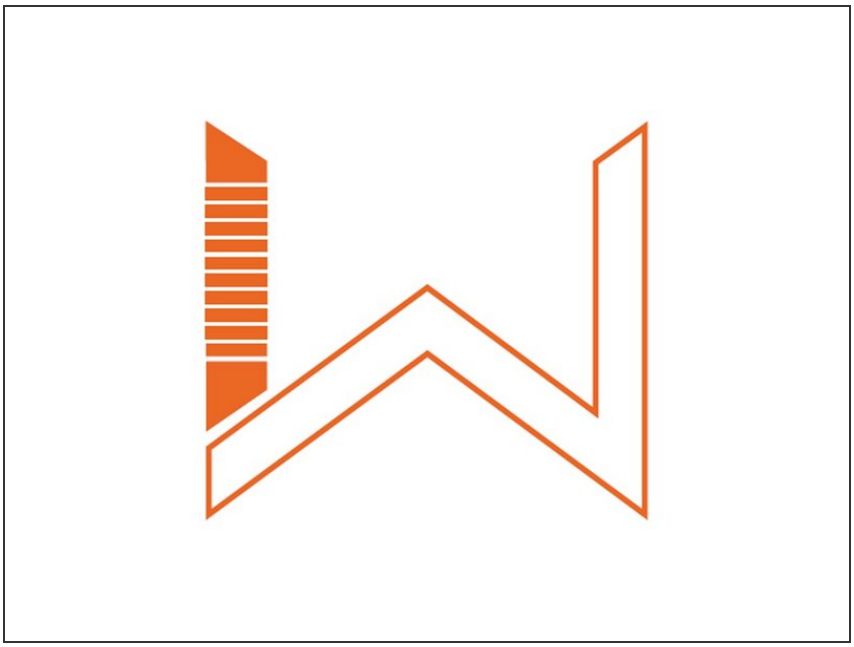


ⓘ The final bit of this install will be done under the vehicle

- Lift the metal section of the undertray into position
  - ⓘ The front edge of the metal will fit over the top of the rear edge of the plastic section of the undertray
- To secure, push the skidtray forwards onto the two tabs that will hold it in position
- Reinstall the four Phillips head screws and tighten until tight using a Phillips screwdriver
- Reinstall the four quarter-turn screws and tighten using a large Flathead screwdriver. This will "click" into position when tight
- Reinstall the two Philips head screw and tighten using a Philips screwdriver

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Step 32 — I Dare You to REDEFINE



- This completes the installation of your 27WON Performance Boost Tubes
- We hope you were impressed with your 27WON experience and love your new Boost Tubes 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-type...
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