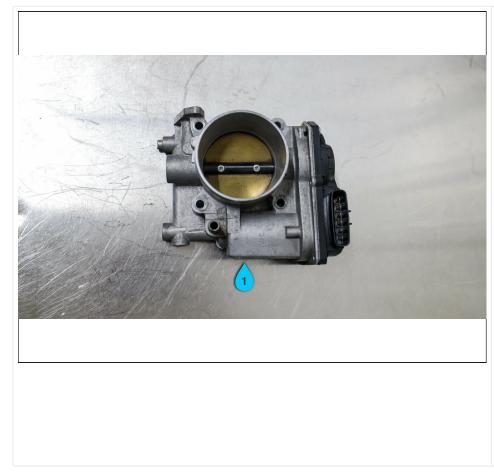


# WARNING

Step 2/39

The IAG Throttle Body Adapters and Packages are for OFF-ROAD USE ONLY and are not to be used on vehicles subject to emissions controls. The replacement throttle body will require modifications to your intercooler piping or couplers. The OEM style MAP sensor will not bolt to the replacement throttle body. IAG recommends the use of an aftermarket MAP sensor connected, or threaded into, the intake manifold. Your vehicle must have a RIVETED style throttle actuator motor (as shown below) to work with the replacement throttle body.

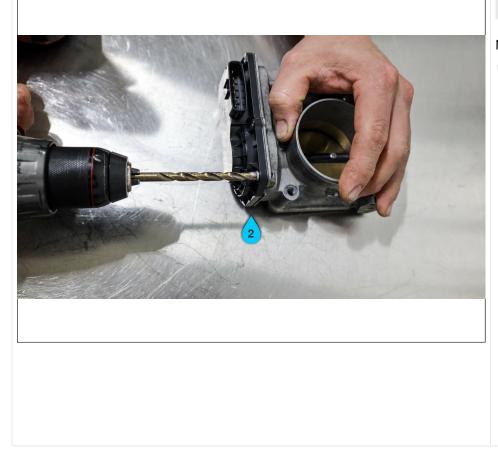




#### Step 3/39

Numbered annotations (1)

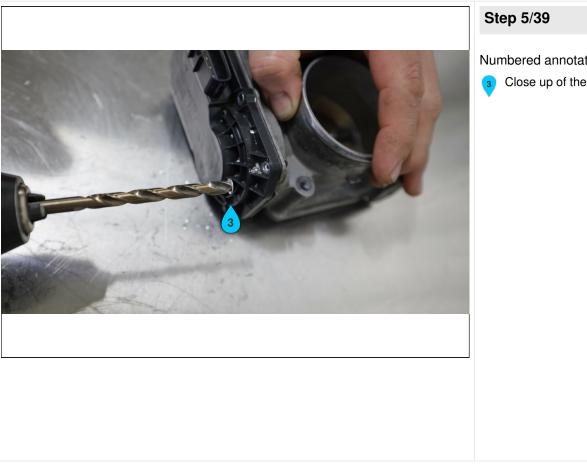
Remove the throttle body from the vehicle. Refer to the factory service manual for instructions, if needed.



### Step 4/39

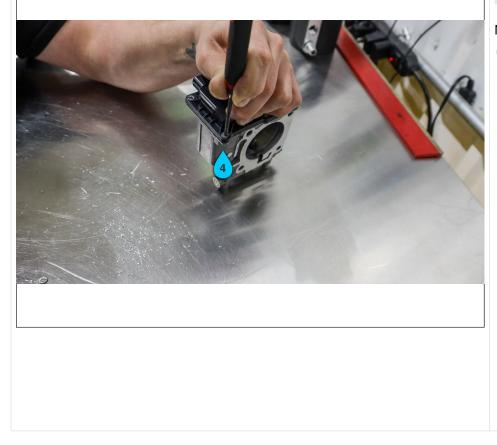
Numbered annotations (1)

Use a 1/4" Drill bit to carefully drill out 2 the head of each of the 6 rivets holding the motor cover in place. Be careful not to damage the black cover.



Numbered annotations (1)

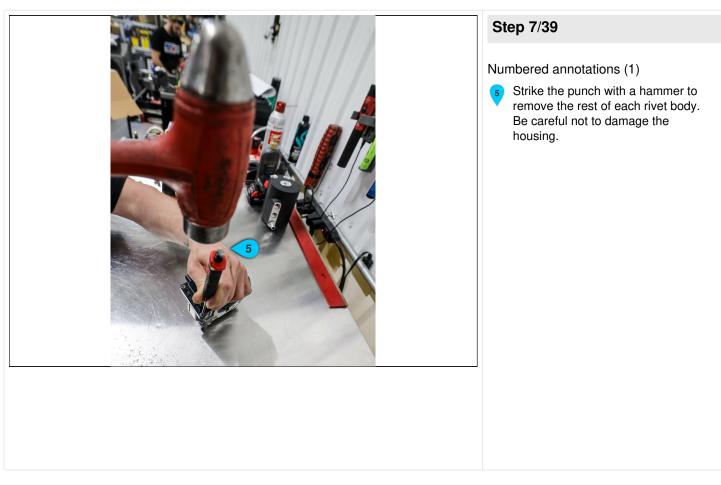
Close up of the rivet head drilled out



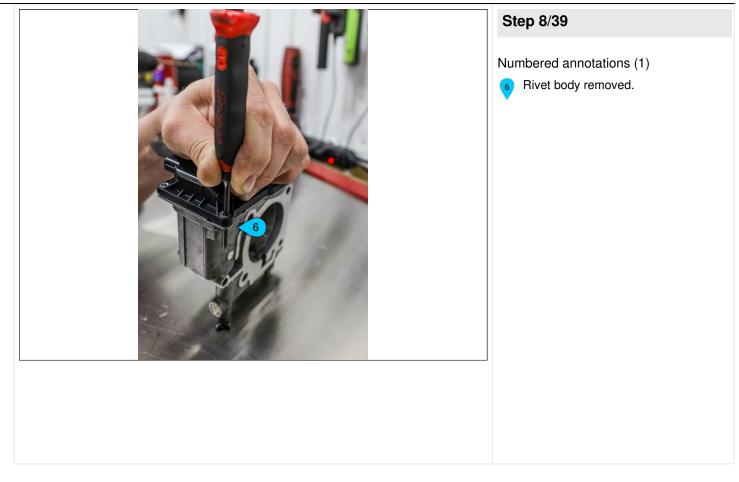
#### Step 6/39

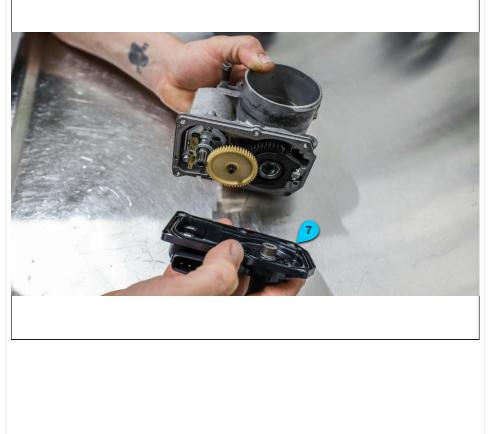
Numbered annotations (1)

Align a small punch with the remaining body of the rivet. The punch should be small enough to push out the rest of the rivet and fit through the hole without damaging the housing.



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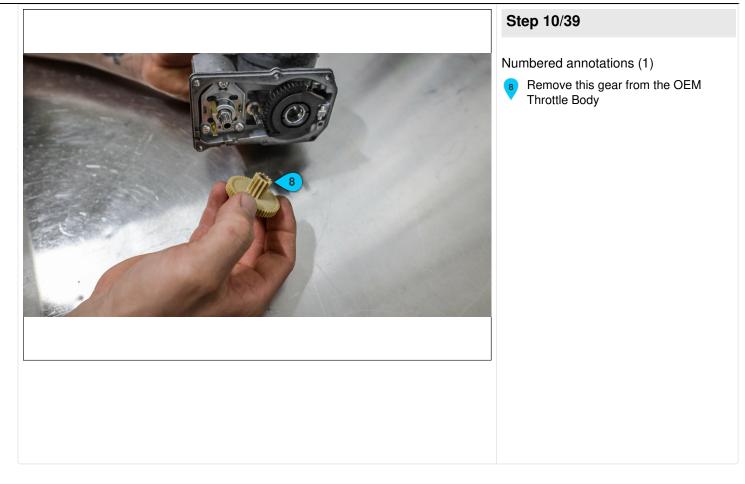


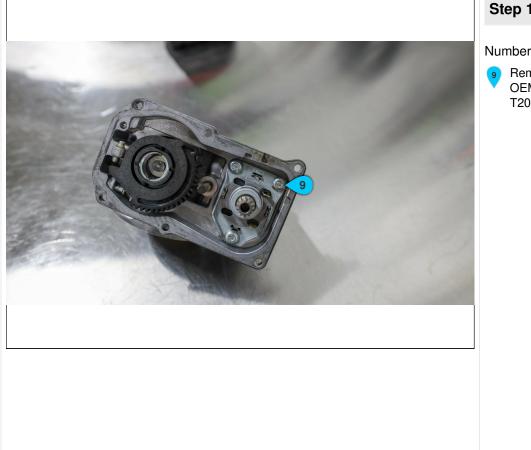


## Step 9/39

Numbered annotations (1)

Once the rivets are removed, carefully remove the motor cover from the OEM throttle body.

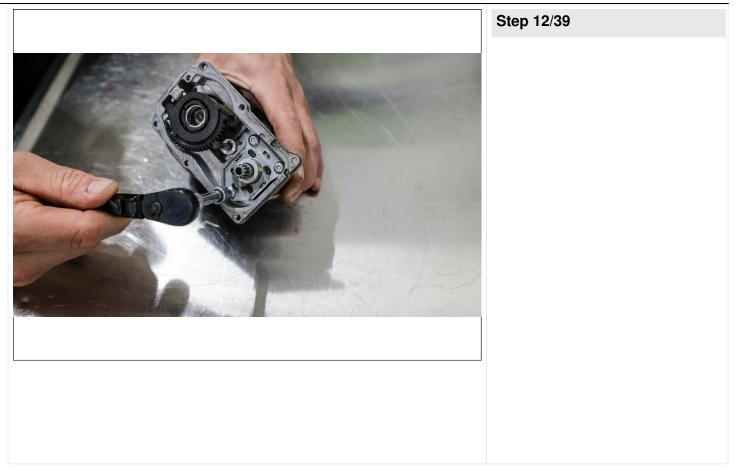


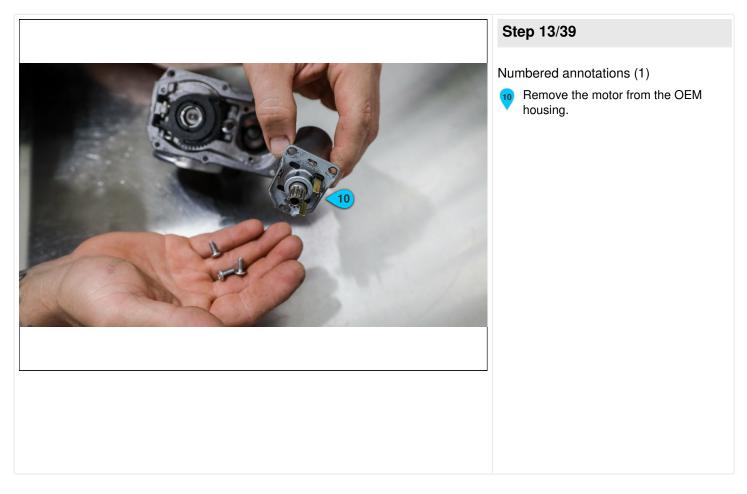


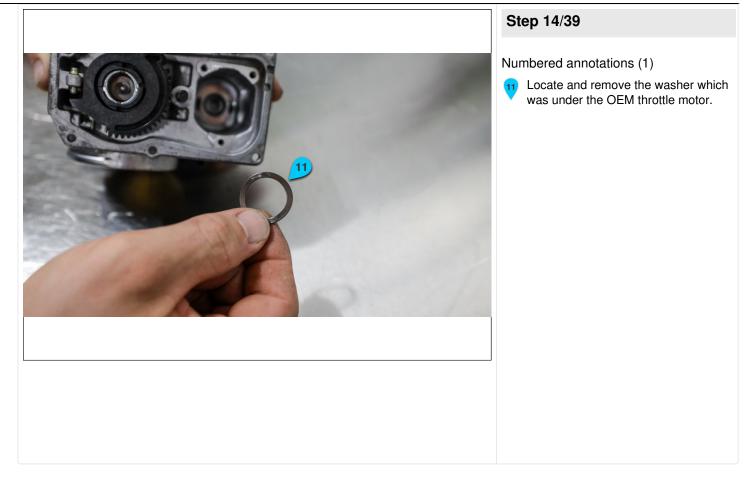
## Step 11/39

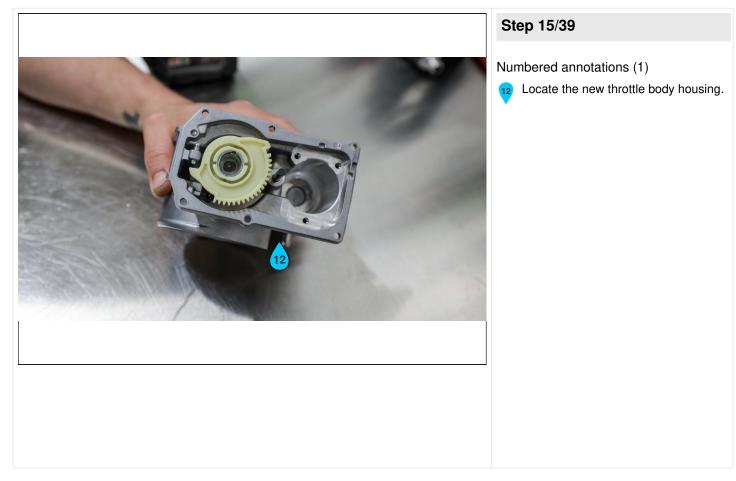
Numbered annotations (1)

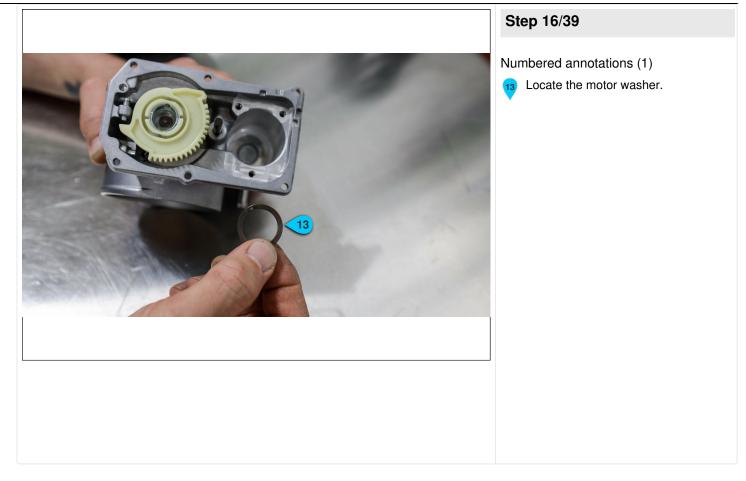
Remove the three screws holding the OEM throttle motor in place using a T20H Security Torx bit.

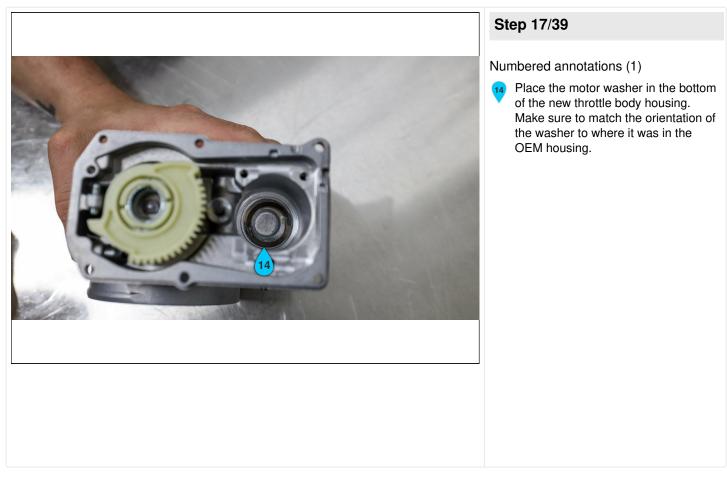


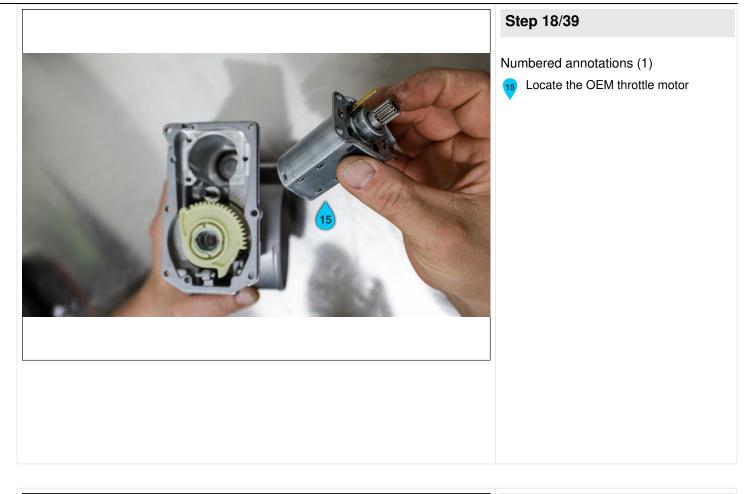


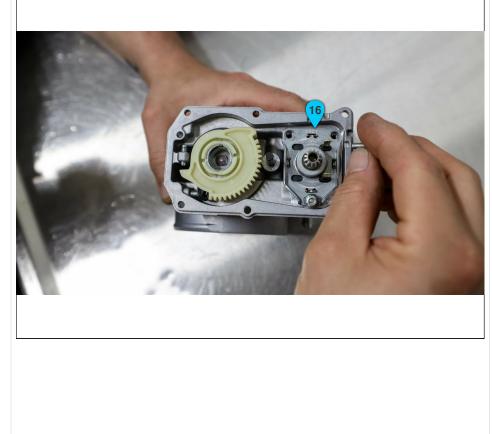








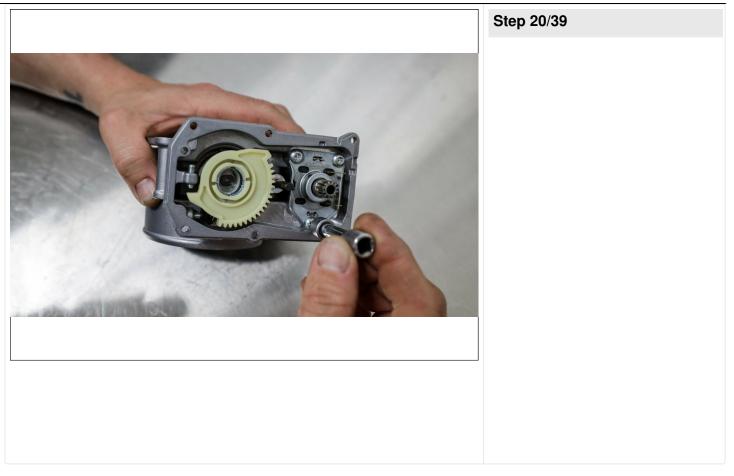


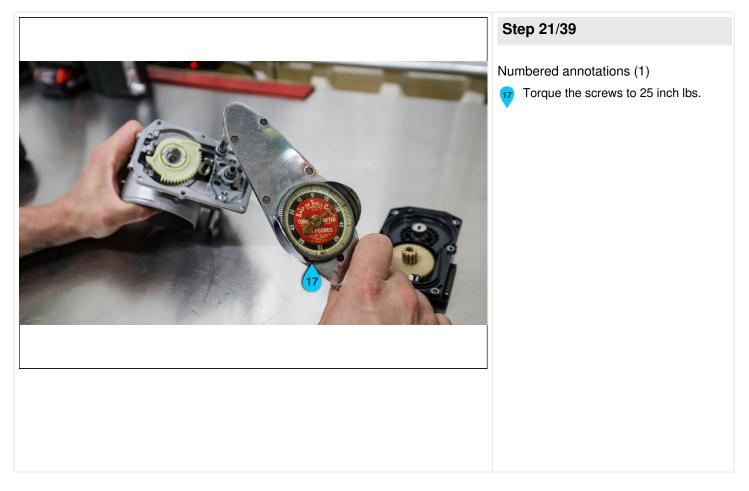


## Step 19/39

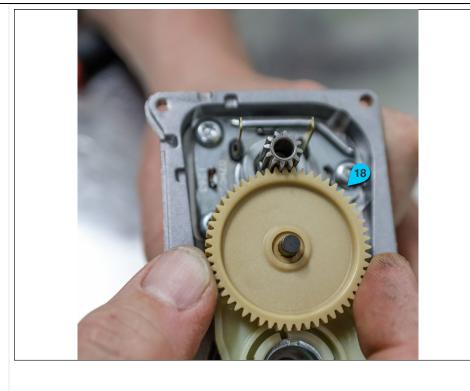
Numbered annotations (1)

Place the OEM throttle motor in the housing and secure it with the three torx screws. Additional torx screws are included.





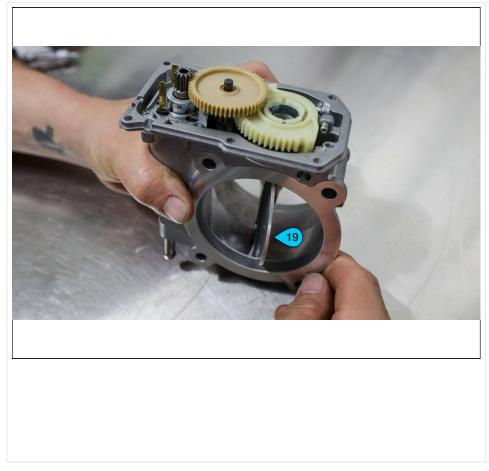
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#### Step 22/39

Numbered annotations (1)

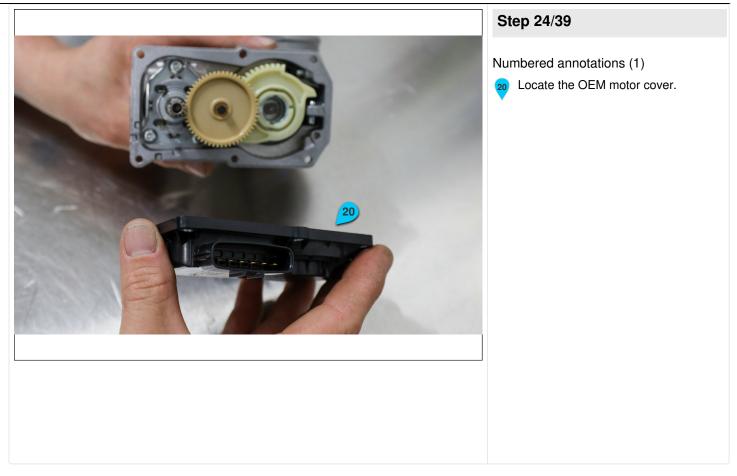
Install the gear removed from the OEM throttle body onto the new housing as shown. Ensure that the gear has a little bit of free play and slides easily into place. If necessary, loosen the screws holding the motor and push the motor away to add additional clearance.

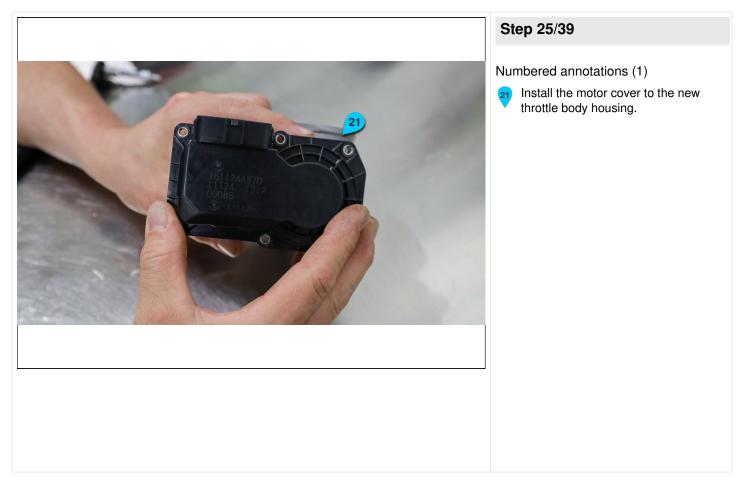


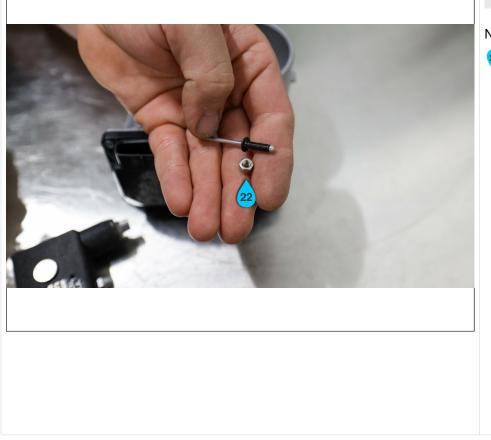
# Step 23/39

Numbered annotations (1)

<sup>19</sup> Use your fingers to manually open and close the throttle plate, ensuring that the gears turn as they should. If the gear does not have enough free play the throttle plate will close very slowly. Adjust as necessary.



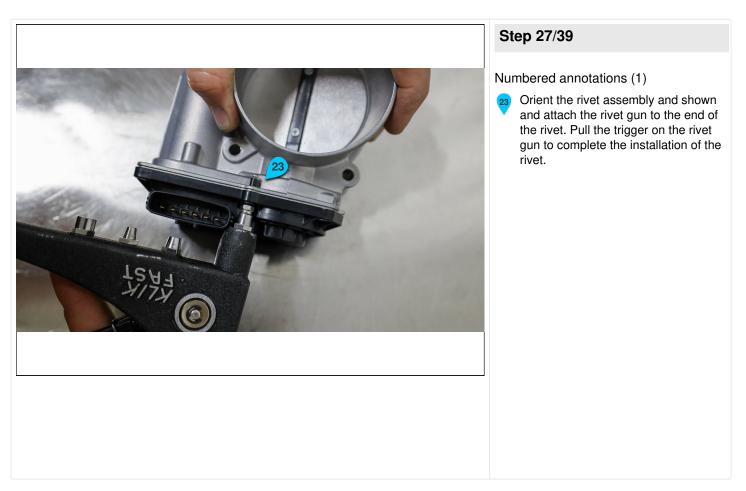


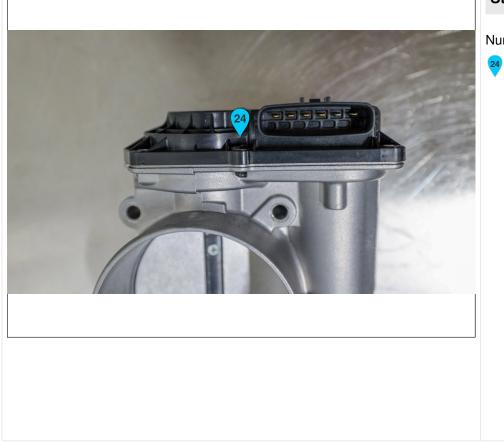


## Step 26/39

Numbered annotations (1)

Locate one of the supplied rivets and the 4mm nut, which will be used as a spacer between the rivet and the rivet gun.

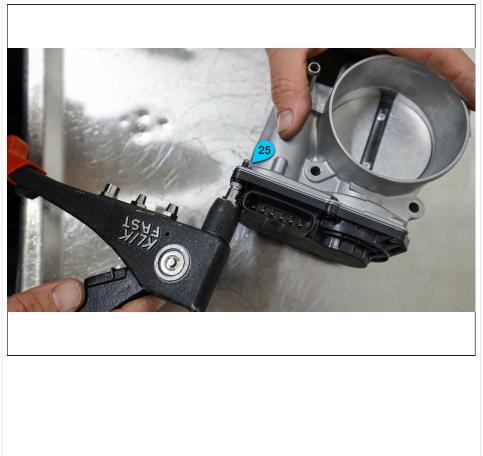




## Step 28/39

Numbered annotations (1)

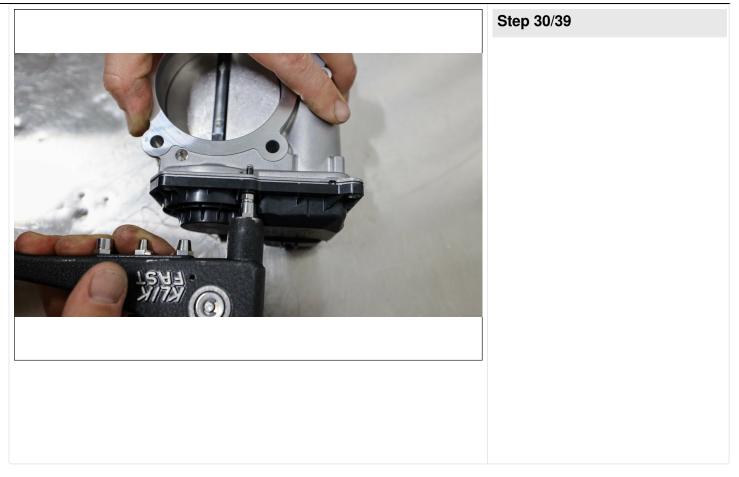
The rivet should look like this when properly installed.

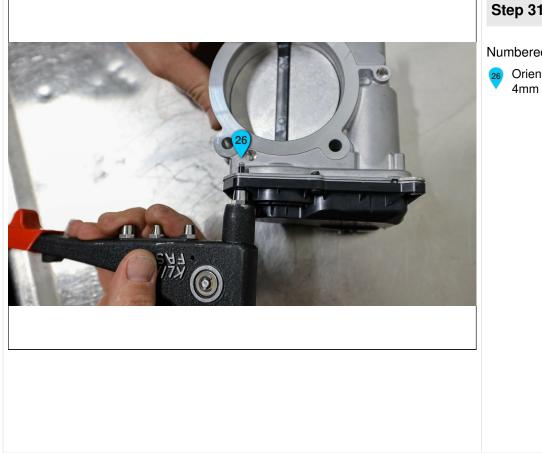


## Step 29/39

Numbered annotations (1)

Repeat the rivet installation process for each of the remaining holes. You will use the same 4mm nut as a spacer if the rivet gun does not clear the housing.





## Step 31/39

Numbered annotations (1)

Orientation of rivet assembly where 4mm nut spacer is not required.

