



INSTALLATION GUIDE

CTS Turbo A90 Toyota Supra Downpipe
CTS-EXH-DP-0024-S



20630 Mufford Crescent, Unit #309
Langley, British Columbia V2Y 2V9

www.CTSTURBO.com

WHAT IS INCLUDED

1. CTS downpipe



NOTES

Vehicle used in this guide is a 2020 Toyota Supra. Always make sure the car is safe to work on. Do not work on the car until it has cooled down. We do not accept any liability for incorrect installation or damage during the install.

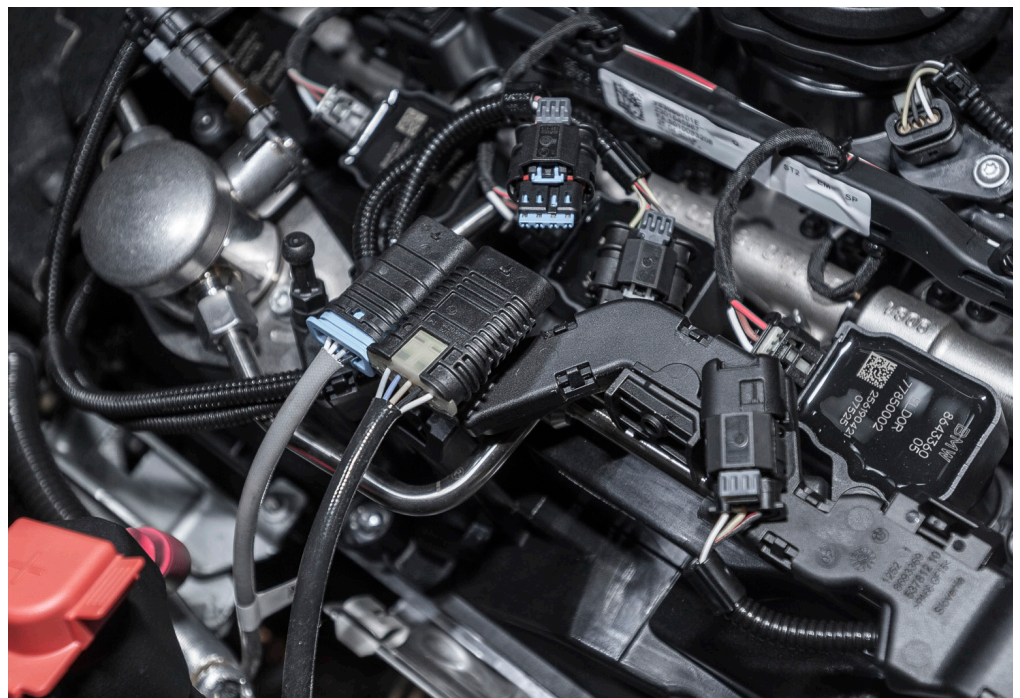
STEP 1

Remove the engine cover.



STEP 2

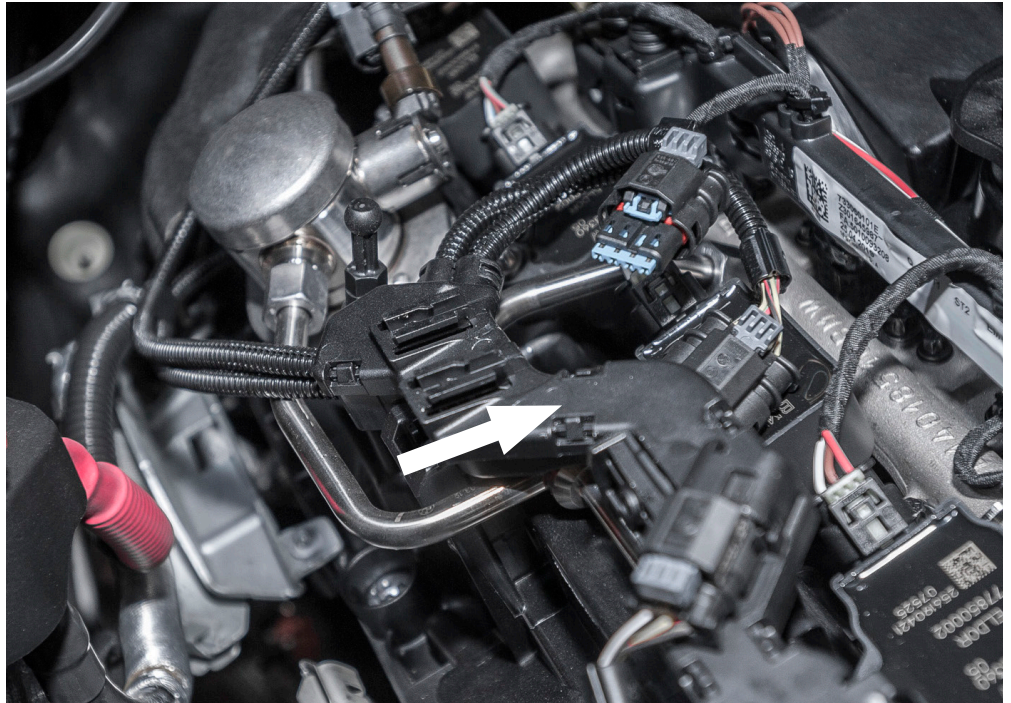
Disconnect the O2 electrical connectors.



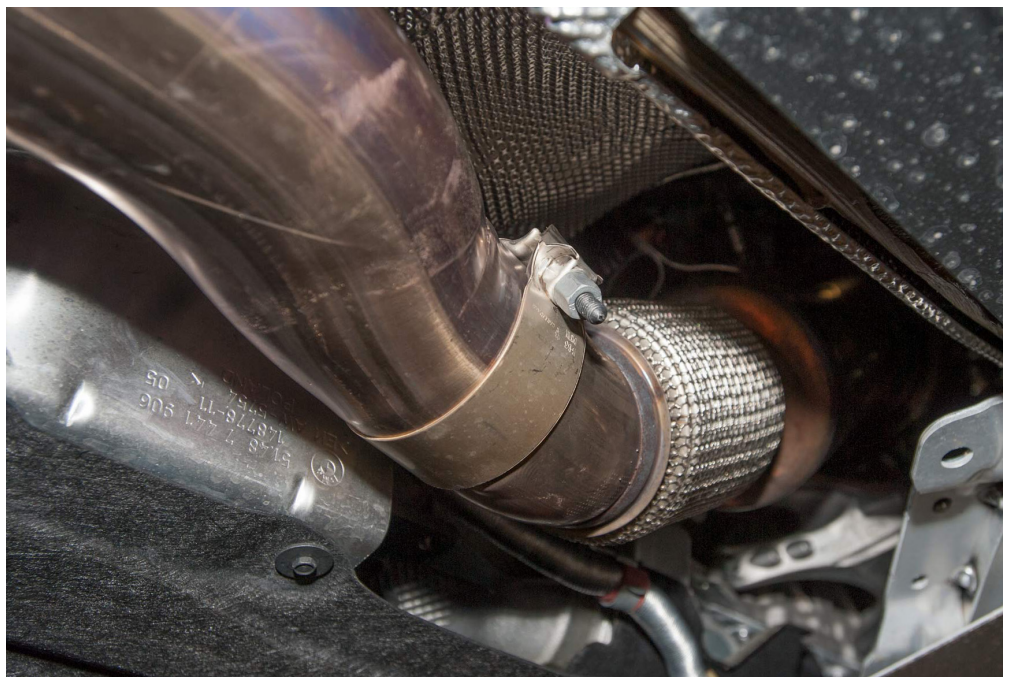
STEP 3

Slide the O2 connector and harness out from the clips in the direction indicated by the arrow.

Feed the O2 wiring down towards the stock downpipe.

**STEP 4**

Remove the 13mm nut from the clamp between the downpipe and exhaust.



STEP 5

Loosen and remove the 13mm bolt and nut that secures the V-band clamp.

We also recommend you use a pry bar and loosen the V-band clamp a little to help with removal later.

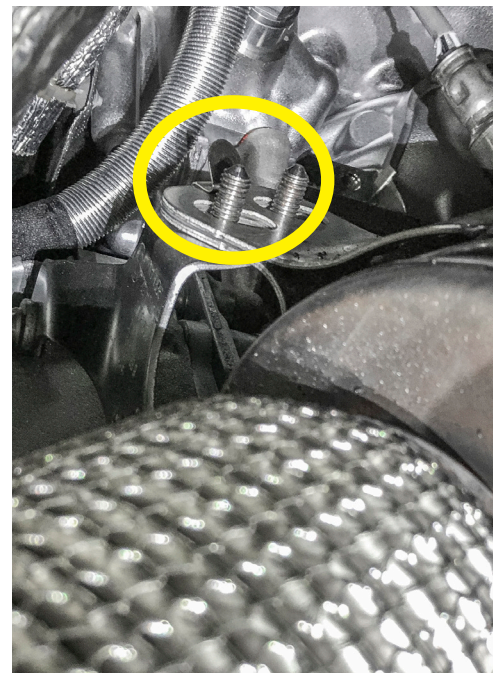
We need to remove the whole exhaust system, since the slip fit may be difficult to remove.



STEP 6

Remove the 13mm nuts holding in the downpipe bracket.

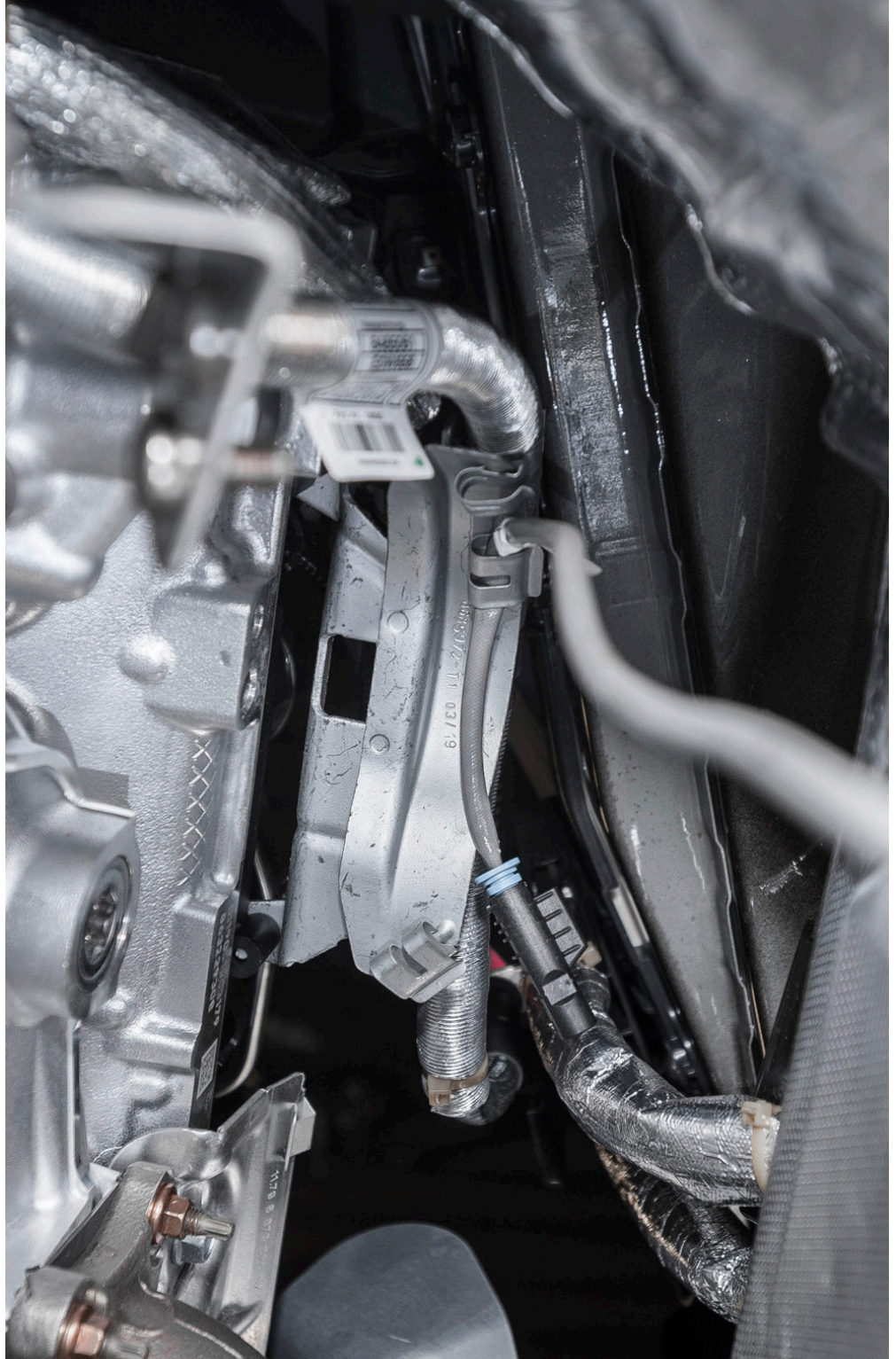
There is also a little tab you need to release shown in the image



STEP 7

Please note that the O2 sensor wire/s are held in by metal clips.

Make sure to remove the wiring from the clips before the removal of the downpipe and exhaust.



STEP 8

Brace the exhaust.



STEP 9

Remove the 13mm nut holding the exhaust bracket to the chassis.



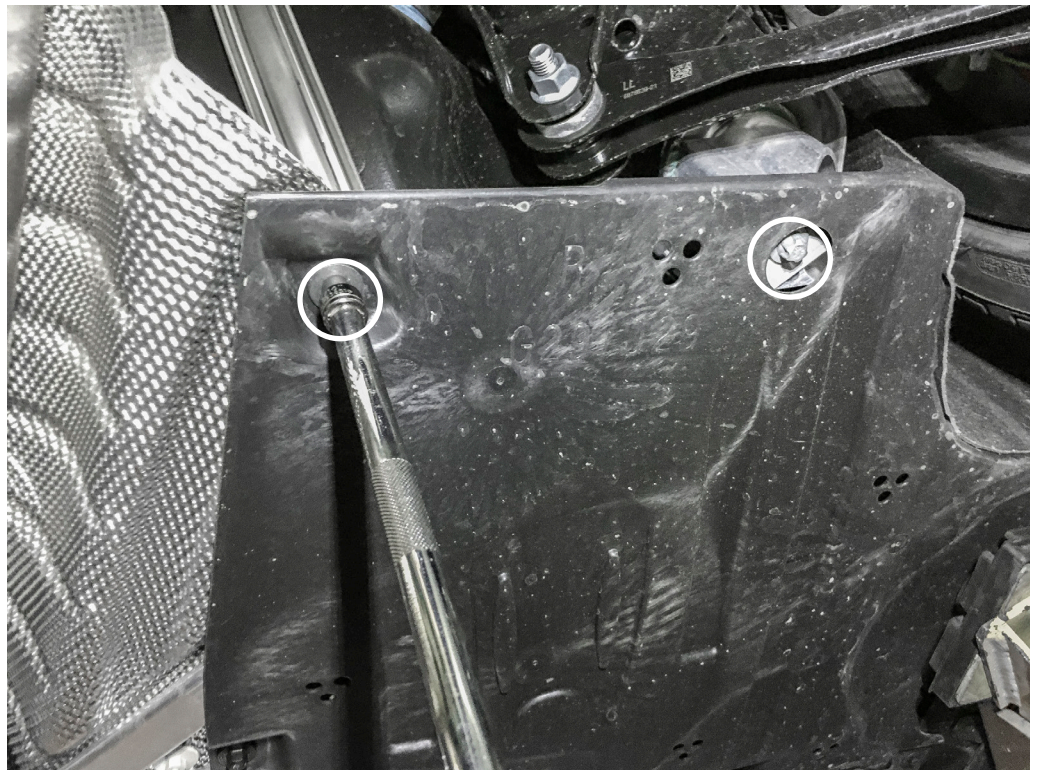
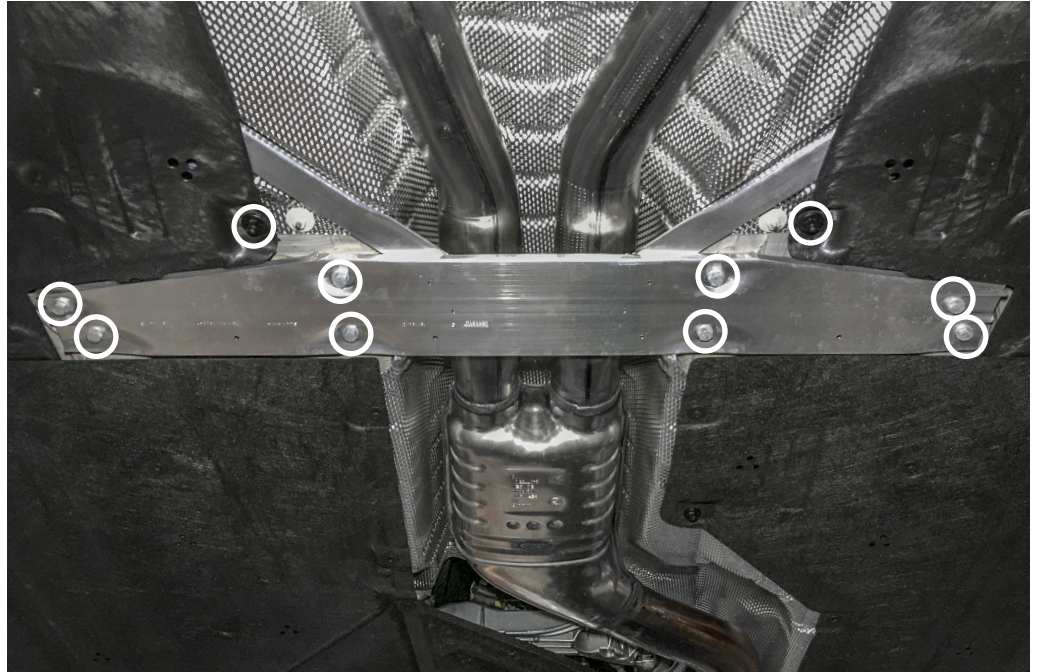
STEP 10

We need to remove the brace under the exhaust.

There are eight 16mm bolts to be removed and four 10mm screws holding the plastic cover.

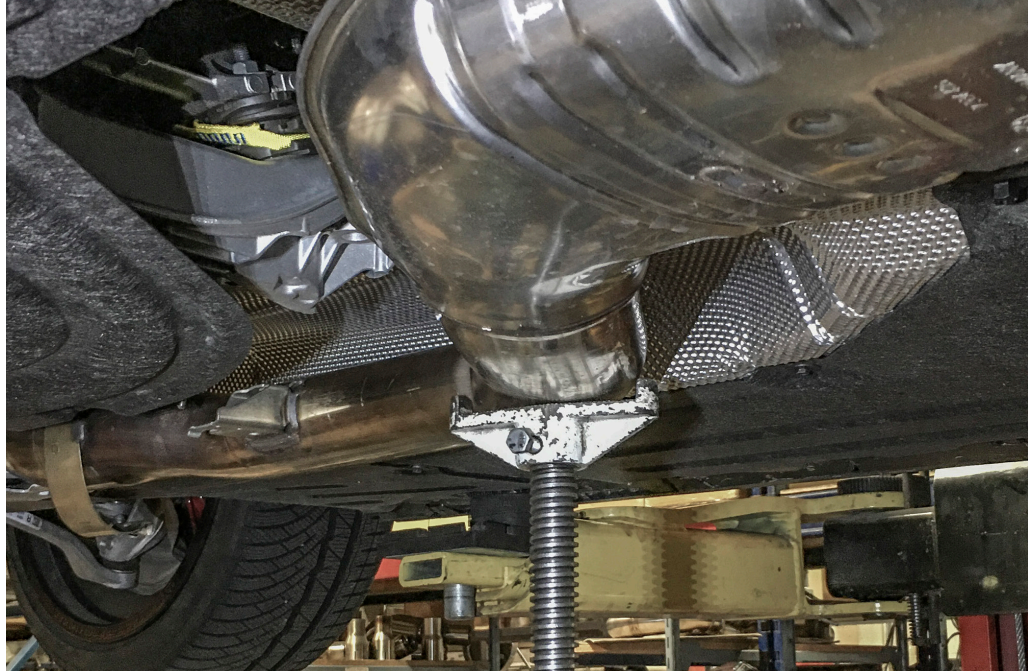
There are also two E14 bolts on the cross braces that to be removed.

You may slide out and remove the brace.



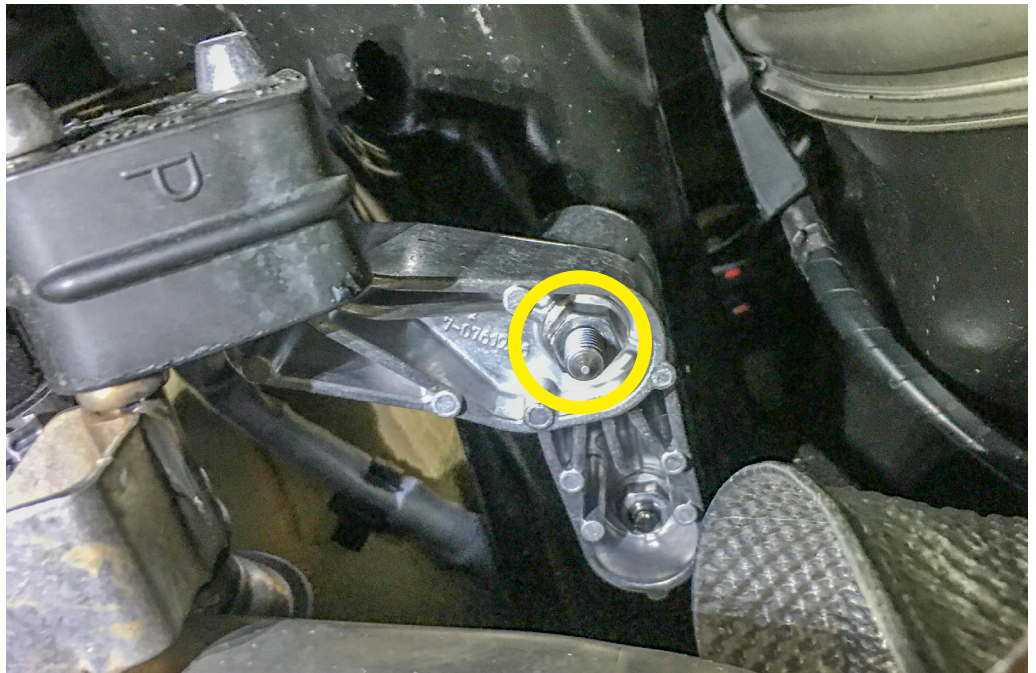
STEP 11

Brace the exhaust.



STEP 12

There is a single hanger with a 13mm nut on the right hand side that need to be removed.



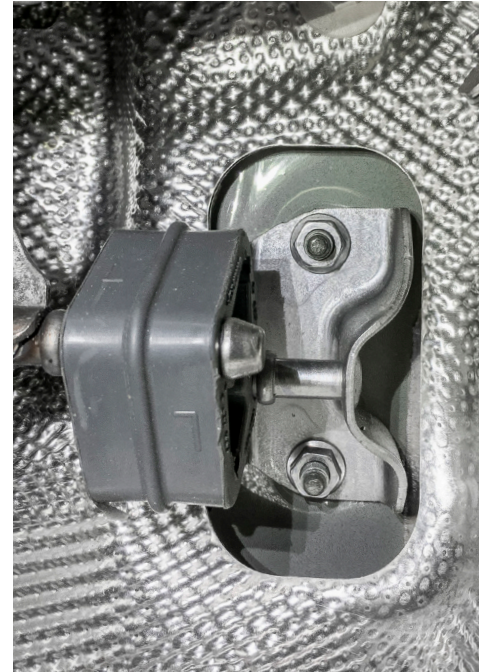
STEP 13

Disconnect the exhaust flap actuator electrical connector.

Finally there are 2 hangers on the left and right hand side of the chassis holding the muffler in place.

We recommend you have some help or extra stands to support the exhaust at the rear during removal.

Remove the 4 13mm nuts.



STEP 14

You may now remove the downpipe and exhaust as one unit.

This is recommended as the slip fit used between the downpipe and exhaust in production may vary slightly and make it difficult for removal on the car.

We see this as the safest method of removal.



STEP 15

Once the downpipe is removed you may swap over the O2 sensors to the CTS downpipe.



STEP 16

We recommend you get a new gasket ring for installation on the CTS downpipe.

PART: (18328612538)

You may also loosely install the V-band clamp on to the CTS downpipe.



STEP 17

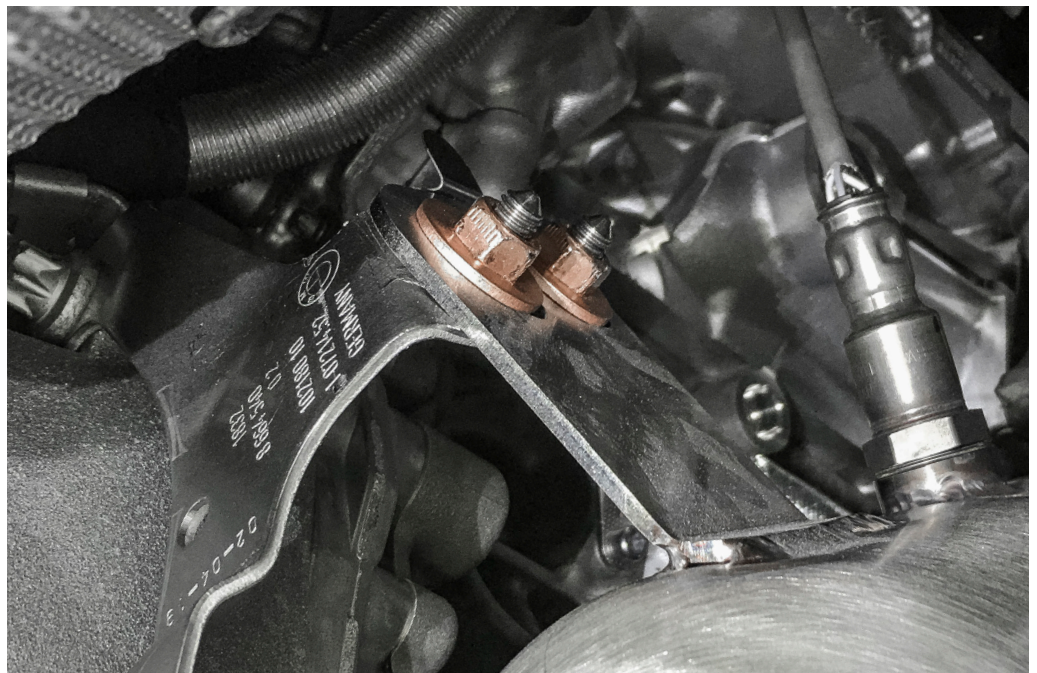
Install the CTS downpipe.
Make sure it is seated correctly
on the turbo and tighten.

Make sure to re-route the O2
connectors back through the
metal clips as well.



STEP 18

Reinstall the 13mm nuts to
secure the downpipe hanger



STEP 19

You may now install the stock exhaust system and brace.

Make sure to check all the exhaust hangers are reinstalled and the exhaust flap actuator is reconnected.

Reinstall the O2 connectors and you are done!

