



**INSTALLATION GUIDE  
CTS-IT-349**



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**WHAT IS INCLUDED**

UPPER ELBOW  
LOWER PIPE  
SILICONE REDUCER  
SMALL CLAMP  
LARGE CLAMP  
2x ZIP TIES

**CTS****TOOLS Required**

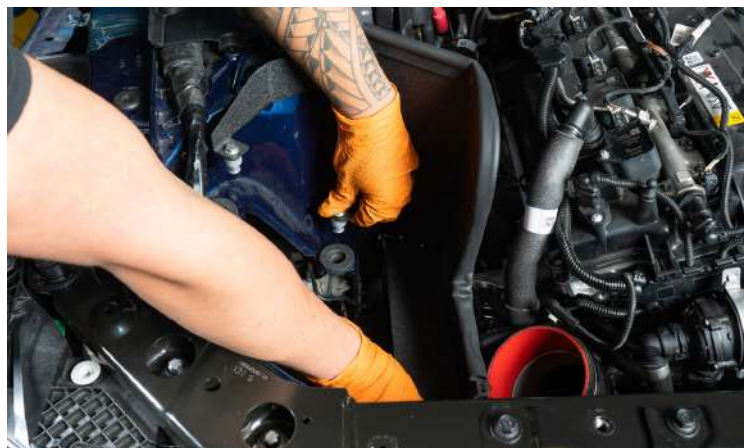
T30 Torx  
10mm socket  
7mm socket  
Pick Tool  
(Optional) thread sealant

**NOTES**

Vehicle in this installation guide is a 2019 Toyota Supra A90 with CTS Intake. Installation on stock vehicles will be similar.

#### STEP 1

Remove the engine cover and the intake.



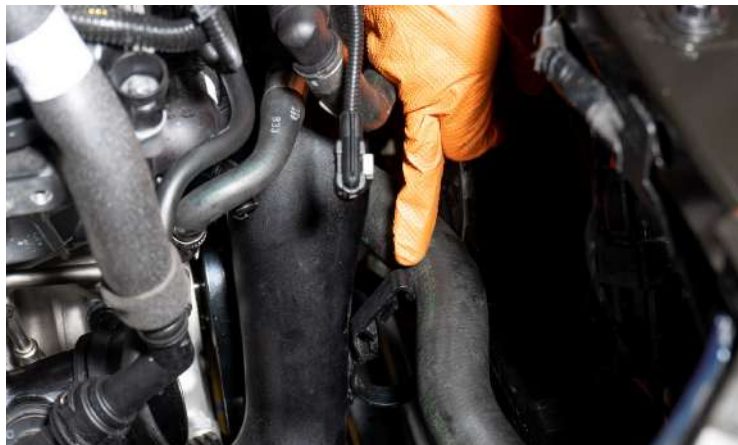
**STEP 2**

unclip and remove the Turbo  
inlet pipe



**STEP 3**

Now unclip the lower portion of the charge pipe from the turbo, and unclip the coolant hose from the charge pipe



**STEP 4**

Disconnect the auxilliary waterpump and unbolt the clamp that holds it in place.



**STEP 5**

Now unbolt the pipe from the throttle body using the T30 Torx. Un-clip the two plugs from the sensors. Remove the charge pipe from the engine bay.

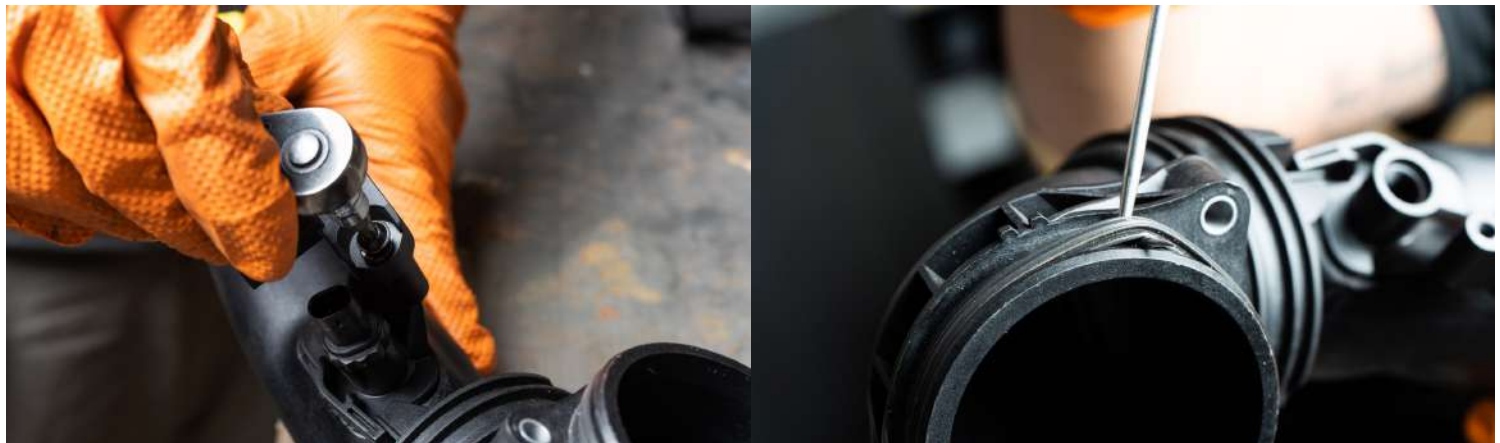


**STEP 6**

Now we need to swap some items over from the stock charge pipe to the CTS piece.

Remove the MAP sensor and the AIT sensor.

Remove the factory rubber seal.





#### STEP 7

Re-install into CTS pipe.

If you are not using the additional ports on the CTS pipe, remove the threaded inserts and re-install using thread sealant.



**STEP 8**

Install the lower CTS charge pipe into the turbo.



**STEP 9**

Loosely install the upper charge pipe in place with the supplied silicone coupler and clamps.



**STEP 10**

Re-install the waterpump into the bracket and plug it back in.



#### STEP 11

Now plug in the sensors on the upper pipe and secure the silicone coupler and tighten the T30 screws.



**STEP 12**

re-install your turbo inlet  
and air intake.

Install your engine cover and  
admire your efforts.

CTS chargepipe looks nice  
peaking from under the  
engine cover.

