



2023 Maverick X3 Turbo (135hp) Stock & Big Injector Tunes

SKU(s):



Tune Features:

- Improved boost response, boost pressure, and MORE POWER!
- Speed limits raised in high and low gear.
- High and low gear Rev limits increased from stock (8300 stock to 9300)
- Operating RPM 7800-8100.
- Improved throttle response and drivability.
- Engine cooling fan on/off temperatures modified to enhance engine cooling.
- Race start enabled (no-brake start)
- Works with stock or aftermarket exhaust systems.



Stock Injector No Intercooler

Stage	Fuel Octane	Wastegate Actuator Spec.	Boost	Fuel Pump Upgrade	Injectors	Spark Plug Gap	Exhaust	Horsepower
Stock	91	6 psi (stock)	8-12 psi	Stock	Stock	Stock	Stock or Aftermarket	122 Wheel 140 Engine
Stage 3-91	91	6 psi (stock)	9-13 psi	Stock	Stock	0.018"	Stock or Aftermarket	133 Wheel 153 Engine
Stage 5-E85	E-85	6 psi (stock)	10-14psi	Stock	Stock	0.018"	Stock or Aftermarket	148 Wheel 170 Engine

Recommended Parts: Base Model charge tube and Blow-off valve.

Stock Injector With Intercooler

Stage	Fuel Octane	Wastegate Actuator Spec.	Boost	Fuel Pump Upgrade	Injectors	Spark Plug Gap	Exhaust	Horsepower
Stock	91	6 psi (stock)	8-12 psi	Stock	Stock	Stock	Stock or Aftermarket	122 Wheel 140 Engine
Stage 3R-91	91	8 psi	15-18 psi	Stock	Stock	0.018"	Stock or Aftermarket	172 Wheel 198 Engine
Stage 3R-93	93	8 psi	16-19psi	Stock	Stock	0.018"	Stock or Aftermarket	181 Wheel 208 Engine

Required Parts: EVP clutch kit, EVP spark plugs intercooler charge tube kit, intercooler, intercooler fan harness.

Recommended Parts: Blow-off valve.



Big Injector With Intercooler

Stage	Fuel Octane	Wastegate Actuator Spec.	Boost	Fuel Pump Upgrade	Injectors	Spark Plug Gap	Exhaust	Horsepower
Stock	91	6 psi (stock)	8-12 psi	Stock	Stock	Stock	Stock or Aftermarket	122 Wheel 140 Engine
Stage 3RWI-91	91	Tial green/yellow (11psi)	15-18 psi	Stock	1000cc	0.018"	Stock or Aftermarket	175 Wheel 201 Engine
Stage 4RWI-X100	100	Tial green/yellow (11psi)	21-24 psi	Stock	1000cc	0.018"	Stock or Aftermarket	205 Wheel 236 Engine
Stage 5RWI-X85	E85	Tial green/yellow (11psi)	21-24 psi	DW 265	1000cc	0.018"	Stock or Aftermarket	214 Wheel 246 Engine

Required Parts: EVP clutch kit, EVP spark plugs, intercooler charge tube kit, blow-off valve, intercooler, intercooler fan harness, tial wastegate, EVP 1000cc injectors, Big fuel pump 265LPH

Recommended Parts:

NOTE: After EVP unlocks and flashes your ECU, the Can Am Diagnostic Software Tool (BUDs tool used by Dealers) should not be able to flash the ECU. This is by design so that the dealer cannot relock the ECU. Regardless of the safety we have built in to prevent this, it is your responsibility to ensure the dealer does not attempt to flash over our tune. They may brick the ECU which may necessitate another unlock and associated cost. All other Buds functions will continue to function. It is also imperative that the VIN number is not changed in the ECU. The vehicle will not run if the VIN is altered. After the unlock is performed and you install your ECU into the vehicle, you will need to reset the maintenance reminder on the dash. This can be done by navigating to the "settings menu", then "reset maintenance" and holding down the center button on the keypad for 5 seconds.



2023 Can Am X3 Turbo (135hp) Intercooler Upgrade Kit

SKU(s):

INCLUDED PARTS

Intercooler with Fan Assembly
EVP Intercooler Harness(s)
Hardware Kit
Charge Tube Kit
(Optional) Big Injectors
(Optional) Big Wastegate
(Optional) 265 Fuel Pump

REQUIRED TOOLS

10,11mm Sockets
Torx Sockets
M6 Allen Socket
Side Cutters
Push Dart Tool



Step 1: Remove the intercooler and intake plastic shrouds. Remove the intercooler blank by loosening (4) 10mm screws. (2) are located behind the turbocharger access panel.

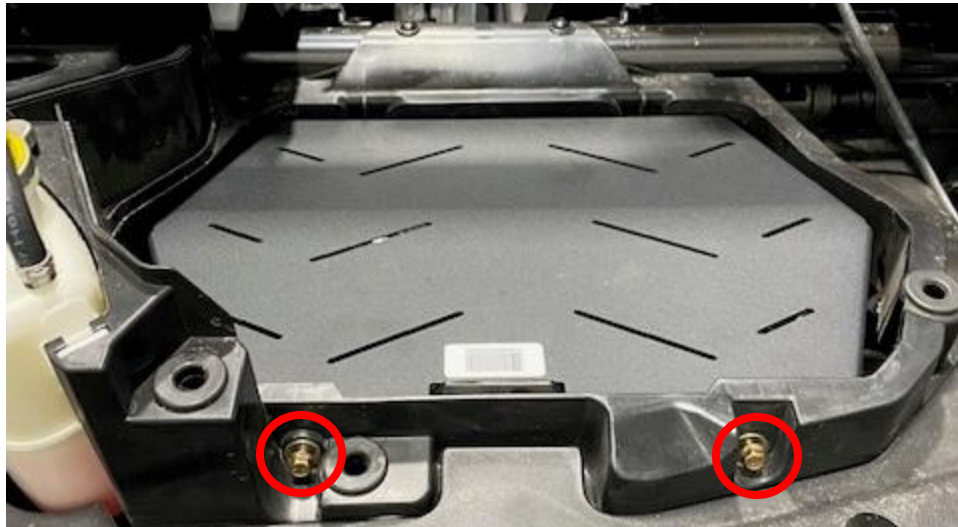


Figure 1

Step 2: Loosen and remove the clamps securing the charge tube. Remove the charge tube from the throttle body and intercooler. It may be easier to remove some CVT duct work. This will allow more room around the throttle body.

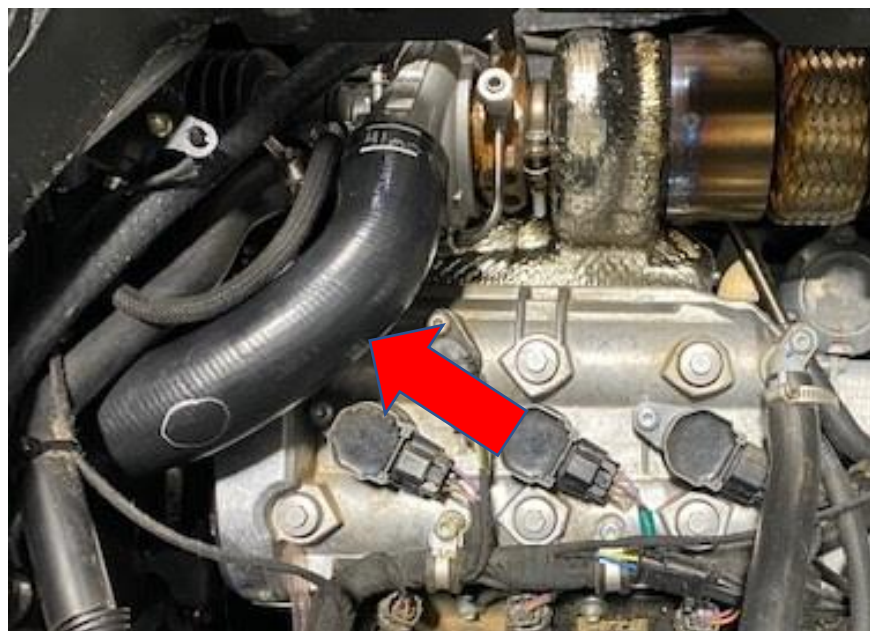


Figure 2

Step 3: Locate the front passenger seat. Lift up the bottom seat cushion, you will find (4) screws and (2) plates. With a 13mm socket remove all (4) screws. You can now move the seat around. Next, remove the passenger side of the center counsel. You must pop (3) clips.



Figure 3



Figure 4

Step 4: Locate the bus bar located in the middle of the center counsel. From top to bottom: Ground, 12v battery power, key on power labeled Acc_1. Mount up the supplied harness as shown below. Use a 10mm socket.

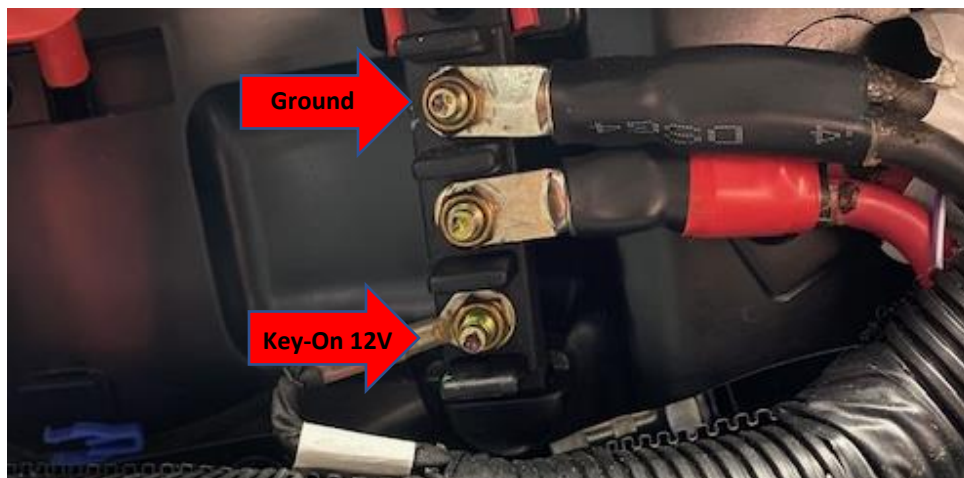


Figure 5

Step 4 Final: You can mount the relay anywhere or mount it with the ground stud as shown below.



Figure 6

Step 5: Run the 2-contact connector (for the intercooler fan) through the center console to the ECU tray. Located behind the drivers seat (rear passenger in 4 seater). Inside the ECU tray you will find the OEM intercooler 2 pin connector. Connect them. Make sure the OEM connectors are clean.



Figure 7

Step 6: Install the charge tubes onto the vehicle. It is easier to install the upper charge tube onto the turbocharger, and lower charge tube onto the throttle body. Install the intercooler into the car. Connect both charge tubes to the intercooler and reuse the (4) 10mm screws to fasten down the intercooler. Use an 11mm socket to tighten all charge tube clamps.



Figure 8

Step 7: Connect the fan pigtail to the 2 pin connector on the OEM harness. It may be zip tied to the bottom of

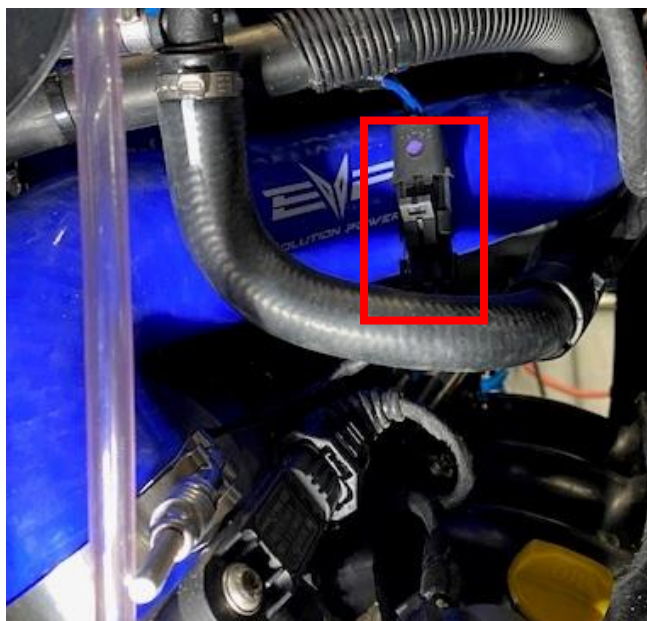


Figure 9

Step 8: Remove the upper dash on the passenger side. There will be (2) push darts and (5) T-30 screws.



Figure 10

Step 9: remove the fuel pump assembly bracket using a 10mm socket.



Figure 11

****Only for big injector tunes, if running stock injector tunes skip to step 15.**

Step 10: Remove the silver safety clip on the electrical connector, then remove plug. Remove the blue safety clip on the fuel connector, press the black quick connect and remove the fuel hose.



Figure 12



Figure 13

Step 11: Remove the fuel pump nut, be careful not to damage it. The fuel pump assembly has springs so the hat might spring up about one inch.

NOTE: If you are changing fuel octane, now is the time to drain your fuel tank!

Step 12: Unplug the fuel pump electrical connector, it wont be able to be removed at this point, as long as its unplugged.

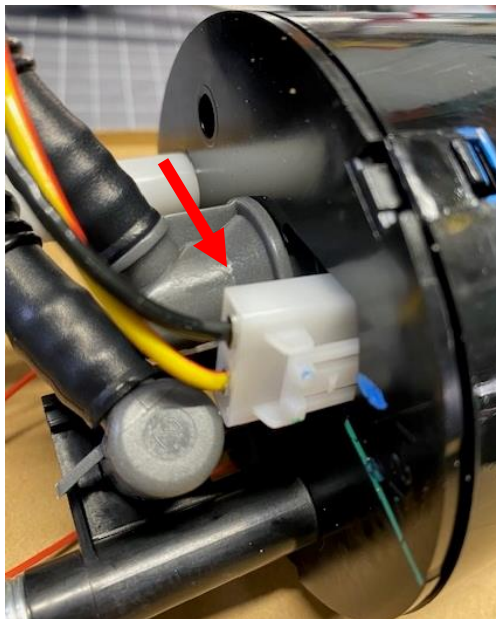


Figure 14

Step 13: Carefully push down 1 tab at a time on the surge tank, work your way around the top of the surge tank hat. Total of (3) tabs. **DO NOT BREAK THE TABS!** Once complete you can slowly pull the top surge tank away from the lower half. **BE CAREFUL!**



Figure 15

Step 14: Slide the top hat away from the surge tank. The fuel pump may come with the hat or stay in the surge tank. Remove the fuel pump and rubber grommet from the lid. Reinstall the rubber grommet into the lid of the fuel hat with dielectric grease. Install the supplied 265LPH fuel pump. Reinstall the lid to the basket and install the fuel pump assembly back into the car.



Figure 16



Figure 17

Step 15: Locate the fuel pump connector, push back the grey lock and remove the connector. Install the supplied EVP fuel pump pigtail. One connector will go the OEM harness and one connector will go to the fuel pump assembly. Reinstall the grey clip on both male connectors.



Figure 18



Figure 19

Step 16: On the other end of the fuel pump harness you will find a 1 contact connector. Route that through the dash and into the cab (next to the coolant lines). Plug into the other 1 contact connector coming from the relay harness. Zip tie any excess wire.

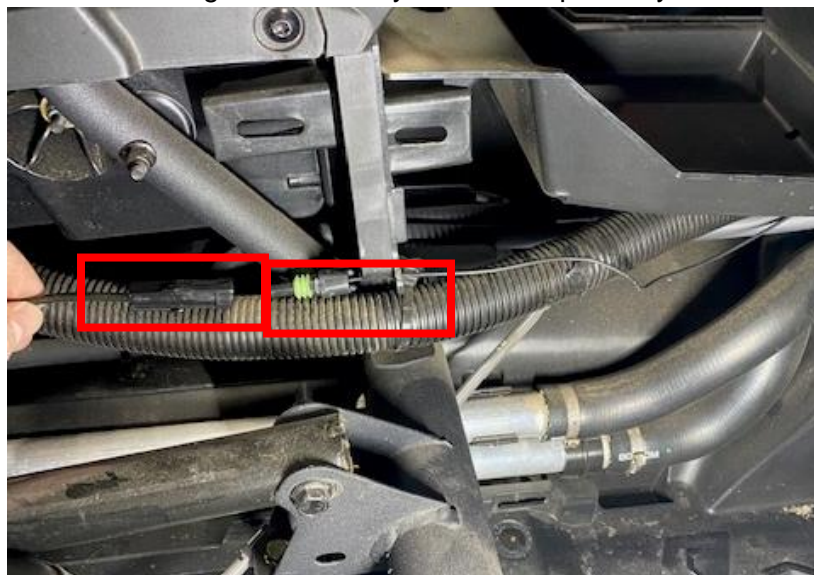


Figure 20

Step 17: Located on the dashboard is a fuse box. Open the fuse box and remove the 20amp fuse in box **F14** and replace it with the supplied 30amp fuse.



Figure 21

Step 18: Zip tie any access wires underneath the center counsel. Keep wires away from heat sources. Reinstall the center counsel panel and passenger seat. Reinstall the turbocharger access panel and CVT duct work.

Wastegate and Injector Installation

Step 1: With the turbocharger access panel remove, find the wastegate. Remove the wastegate clip (be careful not to lose the clip). Remove the wastegate line and both nuts holding the wastegate to the bracket.



Figure 22

Step 2: Install the new wastegate onto the OEM wastegate bracket. Set your crack pressure to your tune package. Reinstall the wastegate rod clip and vacuum line.



Step 3: With brake cleaner, spray around all (3) injector ports and fuel rail. Wipe debris away with a rag. Turbo and Turbo R models press the metal clip down and remove the connector from the injector. Remove the fuel hose from the fuel rail. Push the connector in and spread left/right side away from the fuel rail. Remove the fuel rail, keep the O-rings with the fuel hose. Remove the (2) fuel rail screws.

Step 4: Remove the injector clip, once the clip is removed you can pull the injector out of the fuel rail. Install the EVP injectors, use dielectric grease on the o-rings allowing for easier installation. Place the injector clip back onto the fuel rail, make sure the clip is in both grooves. Reinstall the fuel rail in reverse order.



Fig 24



Fig 25

Thank you for choosing Evolution Powersports products. If you require further assistance, please call our Tech Support @ (715) 247-3862

Note: This product is exempt from the emission standards and related requirements of 40 C.F.R. § 1051 as provided by 40 C.F.R. § 1051.620, and California law [e.g., vehicle code §§ 27156 and 38391]. This product is sold only for use in connection with EPA certified, purpose-built, nonroad vehicles used solely for closed course, nonroad competition/racing and not used for any recreational purpose or on public highways or right of ways maintained by and open to the public. This product is sold only in connection with machines that do not fall under state and/or federal noise or emission standards/regulations. Purchasers who/that purchase this product represent and warrant that the product is purchased only in connection with EPA -certified, emission-regulations-exempt and noise-regulations-exempt competition/racing vehicles as interpreted under applicable state and/or federal law. Questions: Call Evolution Powersports at (715) 247-3862.