

## **2019-2021 XP Turbo/S With-FPCM Stage 1-5X85 Tuning**

### **Information**

**SKU(s):**



- Massive wheel horsepower gains
- Speed limiters raised in high (99mph) and low gear (59mph)
- Rev limiters raised in high and low gear (9300rpm)
- Torque limits raised for enhanced responsiveness
- Revised fan temperature settings significantly lower coolant temperatures
- Improved boost response and low to mid-range power
- Left-foot braking enabled (gas and brake pedals at the same time without going into limp mode)
- Fueling corrected so no additional controllers are required
- More aggressive throttle and overall throttle response
- Big Injector tunes include EVP 1300cc Injectors and EVP wastegate actuator



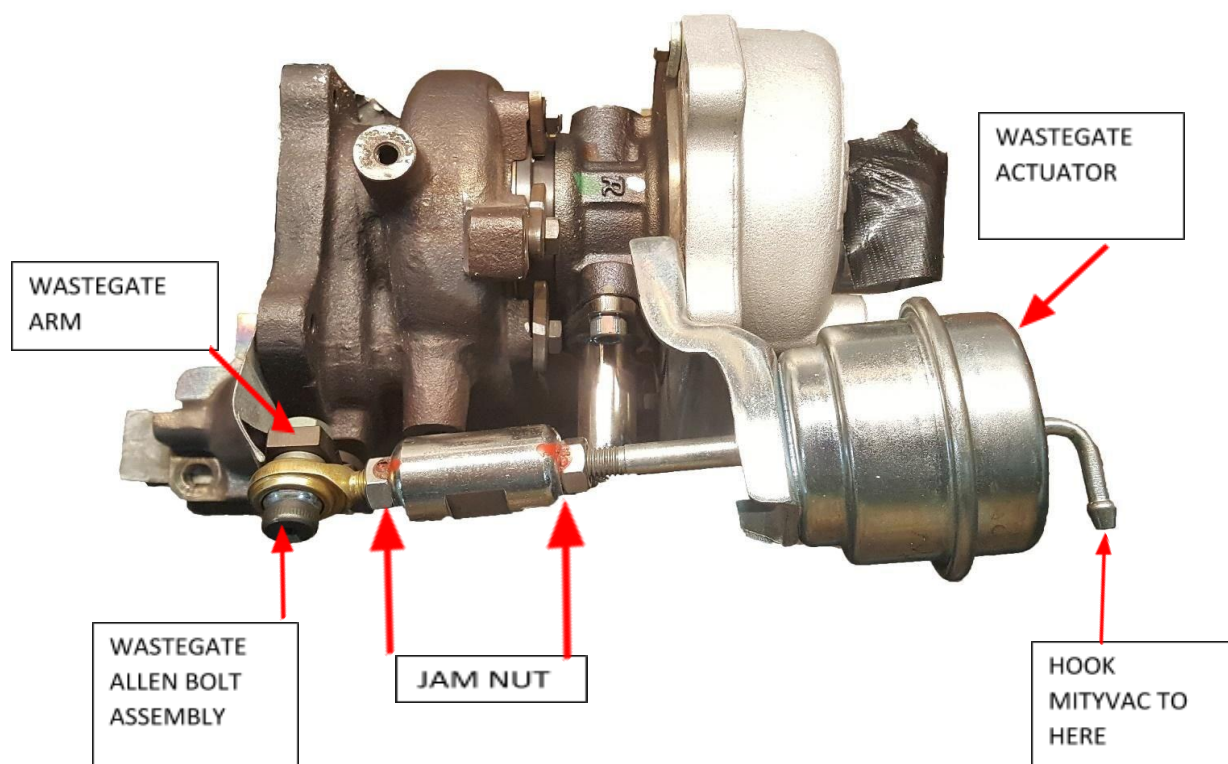
**Stock Injector Stages**

Tune Stages	Fuel	Boost Pressure	Wastegate Setting	Wheel HP	Crank HP	Required Parts
Stock	91	15	4.5psi (stock)	150	183	N/A
2R-91	91	17.5	5.5psi	162	198	N/A
3-93	93	18	5.5psi	168	205	EVP Plugs .018 gap
4-96	96	18.8	5.5psi	171	209	EVP Plugs .018 gap
5-E85	E85	15.6	5.5psi	170	208	EVP Plugs .018 gap

**Big Injector Stages**

Tune Stages	Fuel	Boost Pressure	Wastegate Setting	Wheel HP	Crank HP	Required Parts
2RWi-91	91	17.5	8psi	165	201	1300cc Injectors EVP wastegate
3RWi-93	93	17.5	8psi	170	207	1300cc Injectors EVP wastegate
4RWi-96	96	19.5	8psi	175	213	1300cc Injectors EVP wastegate
5RWi-X85	E85	21.6	8psi	182	221	1300cc Injectors EVP wastegate

**NOTE: Operating RPM 8400-8600**



## Wastegate Adjustment Process

- Step 1:** Remove the engine access panel between the two seats.
- Step 2:** Loosen the jam nuts on the wastegate actuator rod.
- Step 3:** Remove the Allen bolt securing the wastegate actuator rod to the wastegate arm.
- Step 4:** Once the wastegate actuator rod is disconnected from the wastegate arm and the jam nut is loosened, turn the heim joint clockwise rotations to add pressure and counterclockwise to release pressure. Adding more spring tension to the wastegate will allow for more boost. **See above chart for wastegate setting.**
- Step 5:** Reconnect the wastegate heim joint to the wastegate arm with the Allen bolt and hardware previously removed.
- Step 6:** Disconnect the OEM vacuum hose that goes to the wastegate actuator.
- Step 7:** Connect the MITYVAC to the wastegate actuator and slowly pressurize the actuator.
- Step 8:** Begin pumping while watching the wastegate arm. When the wastegate arm begins to move, STOP pumping and look at the PSI on the gauge. You may need to make some adjustments to get proper crack pressure.



## INSTALLATION INSTRUCTIONS

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.

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