



2017-2021 XP Turbo/S Stage 1-5R Tune Programming Information

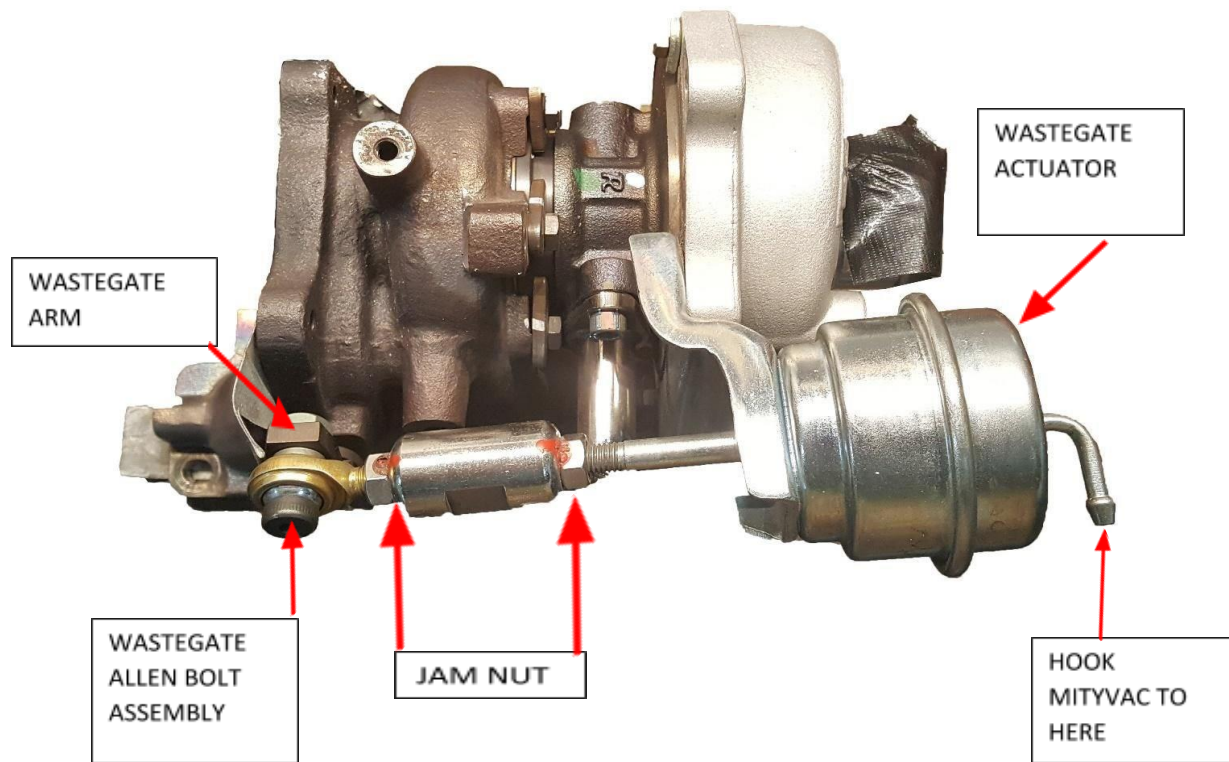
SKU(s): 000RP0084-000RP0089

Performance Features



- Low Gear Speed Limit 59 mph (45 mph Stock)
- Low Gear Rev limit 9300 rpm (8800 Stock)
- High Gear Speed Limit 99mph (85 mph Stock)
- High Gear Rev Limit 9300 rpm (8800 Stock)
- Reverse Speed Limit 39 mph (25 mph Stock)
- Reverse Rev Limit 9300 rpm (8800 rpm Stock)
- Improved Throttle response in all modes (E-Gas settings improved)
- Improved ignition timing advance optimized for 91-95 Octane Depending on Stage.
- Fueling adjusted for aftermarket components (intakes and mufflers) for optimized Air/Fuel ratios
- Radiator Fan On 185 degrees (190 Stock)
- Optimum Operating RPM 8400-8600 RPM

| Stage | Fuel Octane | Wheel HP | Engine HP | Boost |
|----------|--|------------|------------|-------------|
| Stock | 91 | 128 | 168 | 15 |
| | 100% Stock Components, Stock WG Crack Pressure 5 PSI | | | |
| Stage 1 | 91 | 142 | 190 | 16.5 |
| | Requires: Stock Components | | | |
| Stage 2 | 91 | 147 | 193 | 17 |
| | Requires: High Flow Muffler | | | |
| Stage 3R | 93 | 152 | 198 | 18 |
| | Requires: High Flow Muffler, WG Crack Pressure Set To 6.5 PSI | | | |
| Stage 4R | 95 | 157 | 204 | 19 |
| | Requires: High Flow Muffler, WG Crack Pressure Set To 6.5 PSI | | | |
| Stage 5R | E85 | 164 | 209 | 19 |
| | Requires: High Flow Muffler, High Flow Injectors, WG Crack Pressure Set To 6.5 PSI | | | |



Removal 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 jointed actuator end 3 full clockwise rotations (360 degrees). This will equal 6.5 LBS to the wastegate crack pressure. This will add more spring tension to the wastegate and therefore allow for more boost.
- 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. It should read 6.5 PSI. Continue this for three cycles and take an average of the PSI reading. It should read 6.5 PSI. If the average is less than this, add another clockwise turn to the heim joint and test again.

**Reassemble Process**

Step 1: Reassemble the wastegate assembly, tighten the jam nuts.

Step 2: Reconnect the OEM vacuum line with the given clamp.

Step 3: All heat shields and access cover.

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.*



INSTALLATION INSTRUCTIONS

WE'D LOVE TO HEAR FROM YOU - LEAVE A REVIEW & STAY CONNECTED!   