



Patton Machine, February 2022

## TBI Installation Check List

For complete illustrated instructions see:

[PattonMachine.com](http://PattonMachine.com)  
[Product Support Center](#)  
[TBI Installation Home](#)

- Tape this list to the windshield. Check off as you complete each item
- Find the Service Tag on the ECM and make a note of the number and Chip file. It should be something like 1228062 or 16144288. It varies with model year so make sure you write it down and save it as you'll need it for setting the TPS and conducting data logging sessions later.
- Ensure that the gas pedal gives full throttle throw against the stops on the carbs
- Drain or run carbs out of fuel
- Disconnect battery
- Make supply and return fuel connections to tank <https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/fuel-tank-lines-and-pump-with-instructional-video/>
- Best TR6 ECM location is upside down above the passenger footwell. <https://www.pattonmachine.com/support-system/tbi-installation-home/>
- Mount check engine light and mount ALDL diagnostic connector under dash. CE light can mount in place of choke knob
- If you are converting the distributor do it now. <https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/tbi-electronic-distributor-conversion-with-instructional-video/>
- Install the TPS sensor- be mindful of its rotational limit to avoid damage!
- TPS video: <https://www.pattonmachine.com/support-system/throttle-position-sensor-tps-installation-adjustment-videos/>
- Before stepping on the throttle set the sensor per instructions <https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/installing-the-throttle-position-sensor-tps/>
- Turn on key and verify that check engine light illuminates
- Connect laptop and start WinALDL WinALDL set up: <https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/creating-a-datalog-file/>
- Install & connect TPS sensor & use laptop for per cent readings per installation instructions
- Move throttle linkage by hand ensuring that there is no binding. Bracket may need tweaking for best alignment.
- Install Idle Air Control <https://www.pattonmachine.com/Files/IdleAirControl.pdf>
- Timing light to #1 cylinder- if Patton Machine distributor conversion, disconnect "Set timing wire", connector at the module, blue wire.. Ballast resistor or ballast wire should be bypassed with all Patton Machine distributor conversions..If timing light does not flash boost the battery with a charger or a fully charged battery.
- With injectors still unplugged crank engine and set static timing (Patton Machine dist conversion to 14BTDC)
- If your distributor is a Pertronix, MSD, Crane, etc and you are using a Tach filter set timing to factory specs.
- Reconnect "Set Timing" Connector. Timing at idle will move out to near 22 degrees with Patton Machine dist..
- Check for fuel leaks, and connect injectors
- With a fire extinguisher nearby, start engine.
- Check for vacuum leaks including hose barb fittings under the carbs
- Allow engine to warm up, tap the throttle and ensure good acceleration.

- ❑ Go for a short ride!
- ❑ Check engine light for any fault codes. Code 12 is normal. See troubleshooting guide for help.  
<https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/accessing-understanding-ecm-trouble-codes/>
- ❑ After a few trips to be sure everything is operating well, you may want to create a data log and BLM files.

Email to [rick@pattonmachine.com](mailto:rick@pattonmachine.com)

Datalogging help <https://www.pattonmachine.com/support-system/why-throttle-body-injection-tbi/creating-a-datalog-file/>

**When working with gasoline always have a fire extinguisher handy!**