

Map Notes for Maverick, Bronco Sport 2.0L Turbo

Supported Vehicles

- Ford Maverick 2.0L Turbo 2022
- Bronco Sport 2.0L Turbo 2021-2022

Map Revisions:

Each engine map is available with differing transmission tunes.

Ford Maverick ECU Map Versions	Ford Maverick Transmission Map Options
<ul style="list-style-type: none">• Stage0 v100• Stage1 87 OCT (91 RON) v100• Stage1 91 OCT (95 RON) v100• Stage1 93 OCT (98 RON) v100	<ul style="list-style-type: none">• Simulated Stock v100• COBB OEM+ v100• COBB Sport v100

Custom Features

- [COBB Custom Features: Auto Start-Stop](#)
- [COBB Custom Features: Dynamic Pedal Control](#)
- [COBB Custom Features: Tire Size Adjustment](#)
- [COBB Custom Features: Valet Mode](#)

Required Accessport Firmware

- FOR-009:

Map Availability:

All maps come pre-installed on the Accessport. Download maps via the COBB Website <https://www.cobb tuning.com/maps>



Fuel Requirements:

Each map lists the minimum required octane. A higher octane fuel can be used safely on a map designed for lower octane. **DO NOT** use maps designed for higher octane with lower octane fuels. [Top Tier](#) gasoline should be used where available.

FUEL REQUIREMENTS

- Maps designated **87 OCT or 91-94 RON** are for use with 87 to 90 octane (91 to 94 RON) fuel or better.
- Maps designated with **91 OCT or 95 RON** are for use with **91 and 92 octane/95 RON fuel** or better.
- Maps designated with **93 OCT or 98 RON** are for use with **93 octane/98 RON fuel** or better.
- **94 octane with 0% Ethanol should run the 91 Map.**



Running 0% Ethanol Fuels

These maps are designed for E10 fuel (fuel with 10% ethanol content). For those who only have access to E0 fuel (fuel with 0% ethanol) it is recommended to use the 91 octane version of the maps and datalog the car to ensure your fuel is performing to the necessary level. This is especially important for those using Canadian 94 octane E0 fuel.

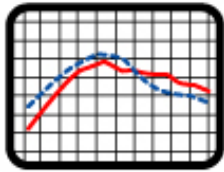


Peak Increase compares the highest value present for each run regardless of RPM

Max HP/TQ is the largest difference when comparing stock vs tuned at a single RPM point

Average HP/TQ refers to the average value present over the entire RPM range

Power Output



POWER OUTPUT

Stage 1

Stage1 Hard Parts Requirements

- **Exhaust Requirements:** Stock or upgraded catback exhaust.
- **Intake Requirements:** Stock air box with stock or optional upgraded panel filter
- **Intercooler Requirements:** Stock
- **Boost Limits**
- **93 Octane 98 RON Minimum:** ~21psi peak boost pressure tapering down as you approach redline, +/- 1.5

psi.

- **91 Octane 95 RON Minimum:** ~21 psi peak boost pressure tapering down as you approach redline, +/- 1.5 psi
- **87 Octane 93 RON Minimum:** ~17.5 psi peak boost pressure tapering down as you approach redline, +/- 1.5 psi

Stage1 Maps are covered under CARB Exemption D-660-125

Transmission Tunes

Simulated Stock

Factory transmission tune.

COBB OEM+

- **Shift Points**
 - Upshift schedules revised for updated power band, more predictive shifting.
 - Downshift schedules revised for updated power band, more reactive downshifts.
- **Shift Firmness**
 - Moderately increased during high power/RPM shifts in **Normal** and **Sport** mode
- **Upshift Backout**
 - upshift inhibit (zero Accelerator pedal position gear-holding) in 'Sport' mode following high-power acceleration and throttle backout has been disabled. Stock behavior would inhibit upshift until pedal position is re-applied above ~10%.
- **Torque Limits**
 - Increased torque limits for more aggressive launches and acceleration

COBB Sport

- **Shift Points**
 - Upshift schedules revised for updated power band, more predictive shifting. Will hold lower gears for longer than OEM+.
 - Downshift schedules revised for updated power band, more reactive downshifts. Will downshift sooner than OEM+.
- **Torque Converter**
 - Altered TCC unlock and slip schedules for more responsive power delivery
- **Shift Firmness**
 - Moderately increased during high power/RPM shifts in **Normal** and **Sport** mode
- **Upshift Backout**
 - upshift inhibit (zero Accelerator pedal position gear-holding) in 'Sport' mode following high-power acceleration and throttle backout has been disabled. Stock behavior would inhibit upshift until pedal position is re-applied above ~10%.
- **Torque Limits**
 - Increased torque limits for more aggressive launches and acceleration

COBB OEM+ and COBB SPORT TCM maps are covered under CARB Exemption D-660-125

Non-Performance Maps

Anti-Theft Mode

- Once Flashed will prevent the vehicle from starting

Stage0

A map with stock calibration for diagnostic use

✖ Flashing to the Stage0 map is not the same as uninstalling from the vehicle

Closing Warnings and Precautions:

- Use of inappropriate calibration/modification combinations will promote engine damage.
- [Top Tier](#) gasoline should be used where available. Use of lower quality fuels can result in catastrophic engine damage.

Version	Notes
v100	Initial Release

Contact Us:

Contact Us:

COBB Customer Support

Web Support and Tech Articles: [COBB Tuning Customer Support Center](#)

Email: support@cobbtuning.com

Phone support available 9am to 6pm Monday-Thursday. 9am to 4pm Friday (CST)

866.922.3059

return to www.cobbtuning.com