

EURO+DRIVE OBDII FLASH TUNING - FIAT 500L 1.4L TURBO MULTIAIR



ABOUT EURO+DRIVE:

EUROCOMPULSION is proud to present the ultimate engine control unit (ECU) upgrade for the Fiat 500L 1.4L Multiair platform. This flash tune upgrade is available in octane-specific variations, bolt on specific calibrations, and is conveniently flashed to the vehicle's factory ECU through the OBD-II port without any physical modification to the factory ECU. Each map written to the ECU is calibrated exclusively for your exact ECU file and vehicle VIN.

The Magnetti Marelli ECU is responsible for the intelligent operation of the 1.4L Multiair during constantly changing environmental and load conditions. Using compensational data for environmental variables and other various running conditions, the 500's factory ECU is far more complex and intelligent than many other units in the automotive market.

Using dynotesting and various road test scenarios, we've gained an extensive understanding of the 500L's torque and very complex boost structure, both for the manual and automatic transmissions. This upgrade focuses on increased positive range of transmission shift points, while utilizing control over ignition timing and lambda behavior for productive power output without stifling the engine's efficiency, reliability, or drivability. All factory knock controls and built in safety features are absolutely maintained with this upgrade.



EURO+DRIVE:

The EURO+DRIVE Phase 1 for the Fiat 500L is designed to work without any required engine hardware upgrades, although we recommend an **air intake system**, GFB DV+, and **upgraded spark plugs** for better optimization. It will also accommodate standard 91 octane pump gas, as well as 93 octane levels.

Phase 1 includes:

Phase 1 - 91/93 Octane

-Throttle enhancement, maximized torque output, aggressive shift points, raised top speed power limiter, and 10 all new power control maps **exclusive to EURO+DRIVE**.

Stock File (always included)



TORQUE

The ECU's Torque Management system regulates torque under varying conditions both in the AT and MT setups. We increased these limits to allow for consistent power delivery and aggressive throttle response as provided with our calibrations.



OEM QUALITY PERFORMANCE

Our primary goal with this tune was to improve upon drivability, smoothness, and linear pull over the stock tune. We did just that, and mastered the inconsistencies of the stock powerband, giving it consistent smoothness and finesse.



EUROCOMPULSION

V 1.0

TECHNICAL INFO

EURO+DRIVE

FIAT 500L



THROTTLE BOOSTER ENHANCEMENT

Aside from power and torque enhancements, we also wanted to eliminate dreadful tip-in and throttle lag commonly known on the Fiat 500L. We can now fully control this feature to any comfort or liking.



TRANSMISSION RANGE

For the DDCT 500L, we have adjusted positive shift range throughout the RPM range, giving the car a more aggressive feel when shifting. This change also allows for an efficient distribution of torque to the wheels across the powerband.



POWER/SPEED LIMITER REMOVAL

Our Phase 1 map removes the power limiter governed by the 500L ECU at a top speed of 125mph to 160mph.

EURO+DRIVE FLASH TIMES: READ (5 MIN.) WRITE (25 MIN.)



EURO+DRIVE:

PHASE 1

PERFORMANCE

Peak Horsepower (WHP)

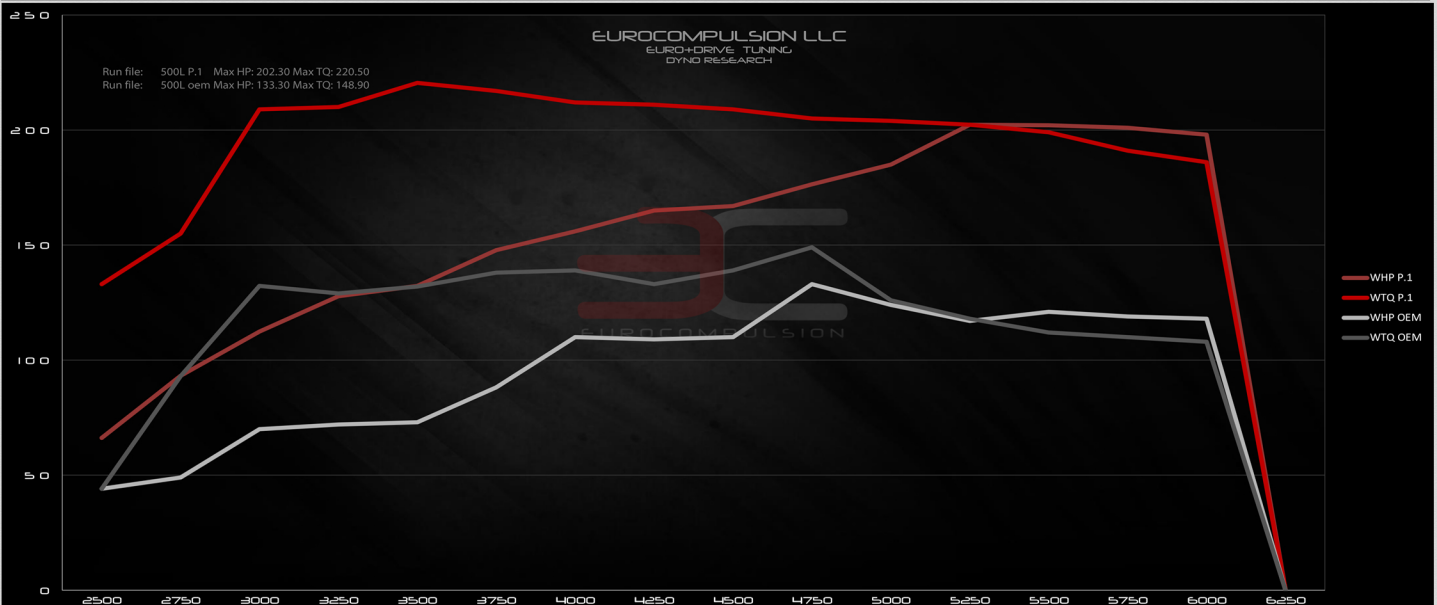
202.3

@5100rpm

Peak Torque (ft/lb)(WTQ)

220.5

@3500rpm



*Please note, manufacturers issue many ECU part numbers and revisions throughout their vehicle lineup. As such, some ECU part numbers may be temporarily unavailable when new parts or revisions are released. If the vehicle's ECU box code and revision is known, availability can be checked by calling EURO+DRIVE TUNING.
-Reported wheel figures measured on Road Dynamometer with a US Spec 2014 Fiat 500L DDCT using no correction and a performing of multiple runs. Results will vary depending upon environmental conditions, vehicle, transmission, vehicle health, operating conditions, temperatures, fuel grade, dyno type, dyno setup, and other modifications