



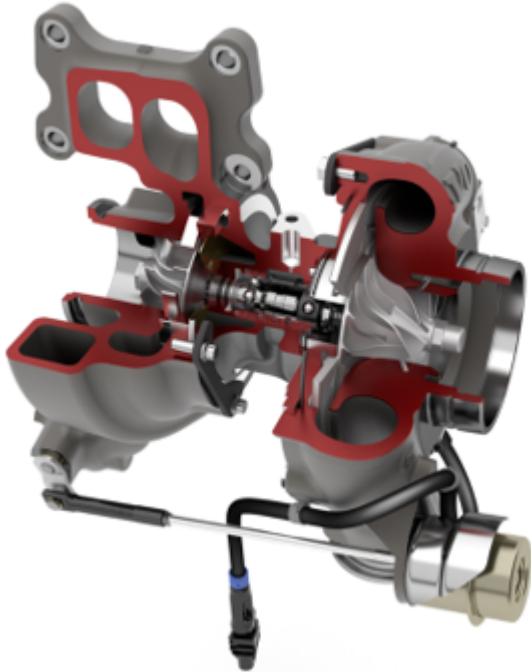
# Engine Control Module (EMS) Software Information - Improvement List (Change Log), US21+OBD2020 - US21+OBD2021 Emissions Turbo compound Engines ONLY



## Software Release Table (Latest information at top)

Date Available Via PTT	TC US20 MSW Part #	TC US21 MSW Part #
December 2021 (Current)	24207685	24207665
June 2021	23973841	23972419
December 2020	23945579	23992337

Changes in the software refer to Gen 2 TC Engines only. The start time for building these Engines was from November 2020. These Engines have Turbos with Wastegates as seen in the picture below.



**EMS software improvements with MSW Part Number 685/24207665. Available from December 2021.**



## TC EMS Software

### Reduction of EGR valve false faults

**P049D00 EGR "A" Control Position Exceeded Learning Limit**

**P04FD00 EGR Actuator "A" Control Processor Performance**

### Reduce Waste Gate Stuck Closed Faults When Chassis Air Pressure is Insufficient:

**P024400 Wastegate stuck close**

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