

# Uncontrolled Copy

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ID # CBR-2326

Version 1

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## Title

Engine Control Module (EMS) Software (MSW) Information – October 2023 Improvement List (Change Log) - US20-OB23 Emissions

## Abstract

The purpose of this solution is to give information on Engine Control Module (EMS) Software content. This document lists issues or problems (DTCs, Fault Codes) mitigated or resolved in specific EMS software. The newest EMS Main Software (MSW) part number typically includes improvements from previous EMS software releases and updating to the latest part number will most often cover items listed for older software releases.

Valid For: All vehicles model year 2024

## Content

Published 1 December 2023

## Valid For

All vehicles model year 2024

## Software Release Table (Latest information at top)

Date Available Via PTT	VGT MSW Part #	TC MSW Part #
October 2023 (Current)	24571848	24487697
September 2023	24529970	24541476
January 2023	24352217	24352221

**EMS software improvements with MSW Part Number 24571848 / 24487697. Available from October 2023**

## All Vehicles

 Live UI

## VGT and TC EMS Software

### Reduction of faults

P2201-64 – NOx Sensor Bank 1 Sensor 1

P1136-00 – NOx Sensor ½ Correlation Error

P0234-00 – Turbocharger Over-boost Condition

**Improvements to DEF reversion process to improve internal DEF retention.**

## 13L TC Only

### Reduction of faults

P0471-64 - Engine Exhaust Back Pressure Circuit Range/Performance

P055B-64 - Piston Cooling Oil Pressure Sensor Range/Performance

**EMS software improvements with MSW Part Number 24529970 / 24541476 Available from August 2023**

## All Vehicles

**Introduction of Oil Monitor system. Must be paired with instrument cluster software to display.**

### Tags

p2201-64

p2201

p1136-00

p113600

p023400

p0234

p0471-64

p0471

p055b-64

p055b

volvo

mack

### Categories

Make and Model > Mack > CXU/CHU/PI - Pinnacle

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Make and Model > Mack > LR

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Make and Model > Volvo > VNL

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Make and Model > Volvo > VNR

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Make and Model > Volvo > VNX

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Make and Model > Volvo > VAH

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Make and Model > Volvo > VHD

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Make and Model > Mack > MRU/TE - TerraPro

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 Live UI System > Engine

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Vehicle System > Control Systems

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Make and Model > Mack > AN - Anthem

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Make and Model > Mack > GU/GR - Granite