



Global MX-5 Cup Car Technical Service Bulletin #2020-27-08

Required: Global MX-5 Cup ND2, Bosch MS6 Cup ECU Update, Release 0107

This TSB describes:

An Update is available for the Bosch MS6 Cup ECU for the Global MX-5 Cup ND.2. This update includes the following:

- SADEV Updated Shifting Quality
- Voltage Control Update
- Live Calibration and Measuring Tools
- User Download Availability
- User Analyst Tools

The EUC update will show as Software ID “MS6A_MX5CUP_0107” and the Software Version will show as “MX50039” under the Calibration/Measuring tab.

Calibration / Measuring

The screenshot shows the RaceCon software interface with the Calibration/Measuring tab selected. The main window displays the following information:

Software ID	
CAR ID	Flis_2020
SOFTWARE ID	MS6A_MX5CUP_0107
ECU Serial Num.	1466

Below the Software ID table is the Software Version table:

Software Version	
v	M
e	X
r	5
s	0
i	0
o	3
n	9

Callouts in the image point to the following elements:

- Analyst Tools:** Points to the 'Analyst Tools' button in the top toolbar.
- Software ID:** Points to the 'SOFTWARE ID' row in the table, with the value 'MS6A_MX5CUP_0107' highlighted.
- Software Version:** Points to the 'Software Version' table, with the value 'MX50039' highlighted.

The FLIS PERFORMANCE DAYTONA USA logo is also visible in the center of the interface.



Analyst Tools:

Located in Calibration/Measurement tab (Shows Live Data)

Engine Measurement

- **SW Update** (Car ID, Software ID, ECU Serial Number, and Software Version – as shown above)
- **Engine** (Driver Controls, Other Controls, and Cam Controls)
- **Gear Detection** (Shift Voltages, Shift Force sensor notes, Gear Position Sensor Setup, Gear Detected by Sensor, Shift Force Sensor, and Gear Position Sensor)
- **Errors** (Engine, Injection, Ignition, Throttle, Cam Control, Gear, Error State, Can, Power, Switches, and Wheel Speed)

Calibration

- rl, Ignition, Injector, Lambda Control, Rail Pressure, Start/idle, Rev/Speed Limit, Throttle and Pedal, Intake CAM, Exhaust CAM, Sync, Cam Edges and ADAP, ECUSEC, Shift Parameters, Torque, and ALTCO.

Inputs/Outputs

- Gear Detection CAN, Sensors and Switches, Lambda Sensor, Univ Outputs, Wheel Speed, Speed Limitation, Sadev, Alternator Ctrl

Errors

- Errors, Active Errors, and Error Monitors

User Download Availability

Teams now have access to download Logger 1 (Engine) in WinDarab

Logging 1 Engine:

PW = GMX5_Team

Hint = Team

The Update Instructions and all supporting files can be found on the ND.2 Documentation page of the Flis Performance website.



Global MX-5 Cup ND.2 ECU Update Instructions 0107 Document- [LINK](#)

Global MX-5 Cup ND.2 ECU Update Instructions 0107 Video - [LINK](#)

TEAM License file: MazdaMX_2020_TEAM.lic - [LINK](#)

TEAM Project file: MX5 Cup_0107_Release_TEAM_03_10_2020- [LINK](#)

Firmware file: MS6A_MX5CUP_0107.psv- [LINK](#)

RaceCon Overview: MX5 RaceCon Overview - TEAM FP- [LINK](#)

If you have any questions about this Technical Bulletin, please contact Flis Performance at:
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