



Long Road Racing

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Global MX-5 Cup Car Technical Service Bulletin #5-10.0-16 GEMS ECU Update

EFFECTIVE May 10, 2016

No cost to competitors – parts update

Purpose for this TSB:

Provide an update on the GEMS ECU

The GEMS (General Engine Management Systems) ECU (Engine Control Unit) was made available to all GMX-5 competitors at the Mazda Raceway Laguna Seca event, plus a few additional cars.

There are several enhancements that the GEMS ECU offers that the stock ECU did not, they are:

1. Elimination of traction and stability control
2. Horse power and torques increases
3. Increase electronic steering feel
4. Tuned for octane ranging from 93 – 96
5. Flat shift rev cut

It was discovered at the MRLS event that one of the water tight connections were allowing water to pass. We are replacing all the GEM ECU's that are in the field, with updated units starting at the Watkins Glen Event (WGI) on May 13 – 15th.

Our plan to address the three groups of customers in the follow method:

- 1. GMX-5 Competitors at WGI**
 - a. You will receive a replacement ECU before going on track (May 12)
- 2. GMX-5 Customers who have a GEMS ECU but will not be at WGI**
 - a. As soon as we have replacement ECU's for you we will send a UPS call tag for your existing GEMS ECU, and upon receipt send you a replacement on or about May 26
- 3. GMX-5 Customers that have not yet received their GEMS ECU yet**
 - a. We will send you your GEMS ECU on or about May 26
 - b. PLEASE NOTE: With the stock ECU traction control may come on unexpectedly while driving, please use caution until you receive your GEMS ECU

If you have any questions about this Technical Bulletin, please contact Glenn Long at:

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