



INSTALLATION INSTRUCTIONS FOR THE TRM MS41 LOGGING SYSTEM

!!!! IMPORTANT !!!!

Please read the instructions thoroughly before proceeding. Damage to the DME is possible if the instructions are not followed correctly. The end user is responsible for any and all damages to the DME!!!

What is in the box:

- Flasher
- 20-pin diagnostic port to OBD2 plug adapter cable – Only needed for flashing.
- Wideband Datalogging cable

Additional tools needed:

- Wideband O2 sensor with 0-5v output (Innovate LC2, NGK AFX, etc)
- Electronic Multimeter
- Wire crimping tools

Wiring the connection for the wideband:

- Configure the wideband for a standard 0-5v output
 - Please note which “standard” is used and what type of O2 sensor you have when you send log files
- The connection to the wideband is a standard mono 1/8” audio cable
 - Ring is ground, tip is signal.
 - The ground should be connected to the analog ground wire from your wideband
 - If there is no analog ground wire, connect the datalogger ground to the ground of the wideband controller.
 - The signal should be connected to the analog output that you previously configured
 - Generally the signal is a white wire and the ground is a shield around it
 - Wire colors may vary. verify the wiring with your multimeter

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Connecting the flasher/logger to the car:

- Plug the flasher into the car's OBD2 port
 - On an e36 2- or 4-door sedan, it is under the dashboard near the drivers feet
 - On a coupe or roadster, it is on the center console on the passenger side
 - Extending the OBD2 port to a more convenient location is recommended
- Plug the O2 sensor cable into the flasher.
- Take care driving with the datalogger installed.
- The datalogger must be removed before reading codes via the OBD2 or 20-pin BMW diagnostic port.

**The 20 pin adapter is not required to be used for datalogging, only flashing.
Do not drive the car with the flasher/logger under the hood as it may melt.**

If you have any questions please email us at: info@trmtuning.com