



INSTALLATION INSTRUCTIONS FOR THE TRM MS41 FLASHER-LOGGER 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

Additional tools needed:

- Good battery charger (10A or higher)

Connecting the flasher:

- Park the car on level ground.
- Set the E-brake.
- Turn the key to position 2. (2nd click. Engine run position, but do not start the car.)
- Turn off the HVAC and radio.
- Open the trunk and locate the Battery. (It will be in the passenger side rear corner of the trunk.)
- Connect the battery charger, but do not turn it on yet.
- Open the hood and locate the 20-pin diagnostic port. Unscrew the cap.
- Plug the 20-pin to OBD2 adapter cable into the diagnostic port.
- Plug the Flasher into the OBD2 plug end of the adapter cable.
- The LED on the flasher will blink to give you information about what it's doing.
- After it boots up, you should see one GREEN blink per second.
 - If you see any other pattern, please consult the error code information below.

**Please note the following steps involved timed procedures.
Please read before flashing!**

Flashing the vehicle:

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- Press and hold the button for >2 seconds.
- LED will turn off when the button is released, followed by green flashes on/off
- Within 10 seconds of the green flashes starting, press and hold the button for >2 seconds again.
- LED will turn yellow.
- Turn on the battery charger that was connected above.
- When voltage is raised (battery charger charging) the LED will turn green for one second.
- LED will flash yellow while programming.
- When the LED blinks green rapidly, programming is complete.

After flashing:

- Unplug the Flasher from the 20-pin to OBD2 adapter.
- Remove the 20-pin to OBD2 adapter from the diagnostic port. Reinstall the cap.
- Turn off the battery charger and disconnect it.

Trouble flashing:

Trouble codes are flashed via the LED. The pattern repeats forever.

5 very fast Red/Green flashes, then “N” Red flashes, then “M” Green flashes. The error code is “NM.”

Error codes:

23: The charger was not connected (or did not provide the voltage boost) in the required time.

24: The ECU was not identified as the one mated to the flasher.

32: The file in the flasher does not match the serial number of the flasher.

For any other error code try again or contact TRM.

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