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Turner Module Install Guidelines
F80 M3, F82/F83 M4

Please review these guidelines before starting the install.
This kit must be installed properly to avoid damage to the components and to the vehicle itself. Do not modify the kit or the wiring harness in any way.

Contents of module kit:

1 Turner Performance Module with model-specific calibrations
1 Plug and play engine harness
- camshaft sensor
- boost pressure sensor (TMAP)
- intake manifold pressure sensor

1 Valet mode plug

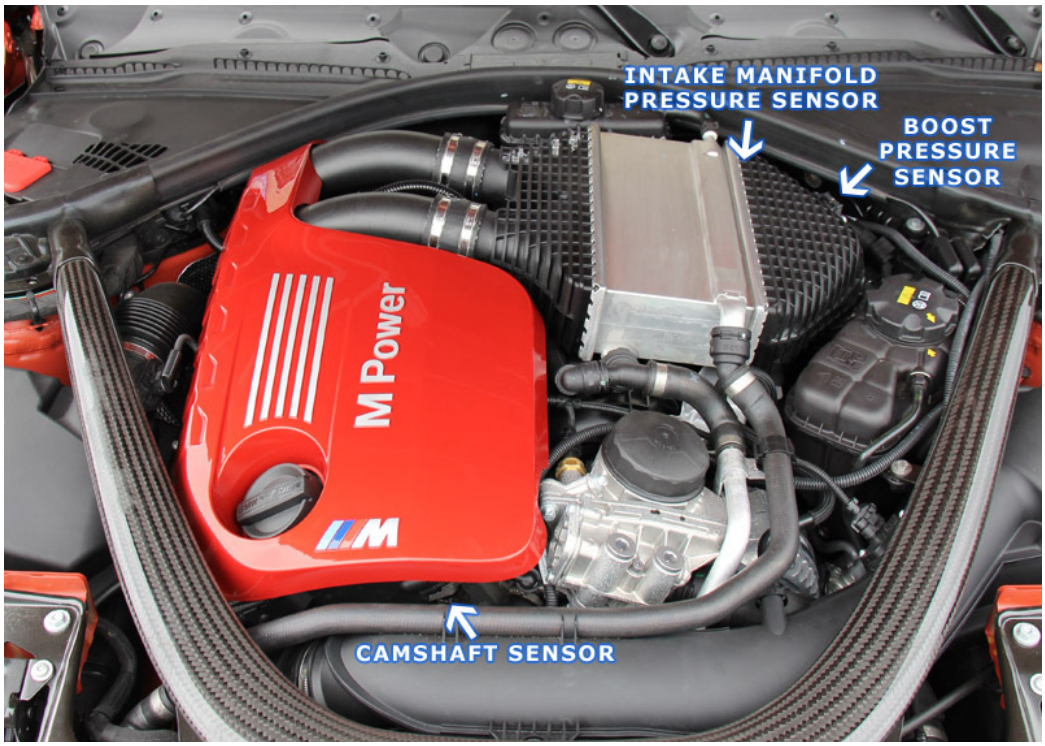
Tools required: none
No tools are required but having a pick or very small screwdriver is helpful for disconnecting wiring harnesses.

Step 1
Turn the ignition off and remove the key from the dash. Open the hood but close all of the other doors. Do not open the doors during the harness installation.

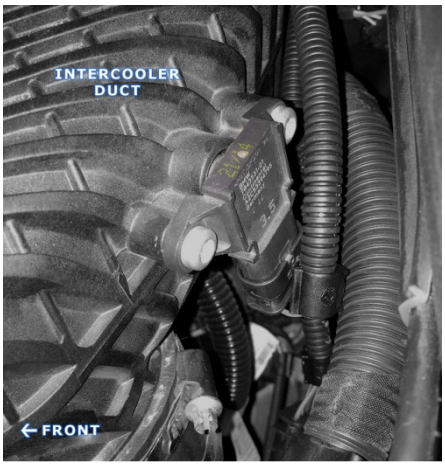
Wait a minimum of 5 minutes for the car to go into "sleep mode" and do not perform any other work or open any other doors while it goes to sleep. You do not have to disconnect the battery.

Discharge any static electricity by grounding yourself on a large metal object (tool chest, engine lift, etc.).

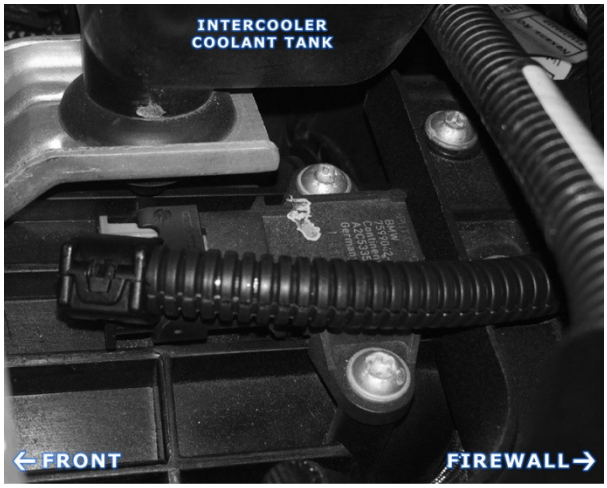
Step 2
The M3/M4 module will plug into 3 sensors: camshaft sensor, intake pressure sensor, and boost pressure sensor (TMAP). Locate each sensor in your engine bay. You may need to remove some panels or shift parts aside for easier access (M Power engine cover, for example). It's better to move something aside than struggle for access later.

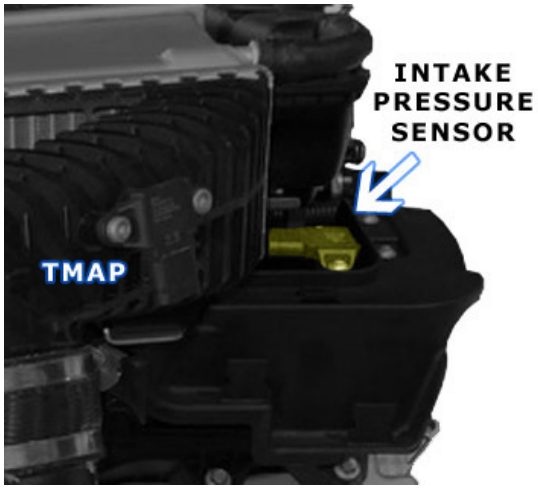


Step 3: Boost Pressure Sensor (TMAP Sensor)
Locate and disconnect the plug from the boost pressure sensor (TMAP). It's located at the back of the intercooler duct.
Connect the wiring harness plug to the Turner harness.
Connect the Turner harness to the TMAP sensor.

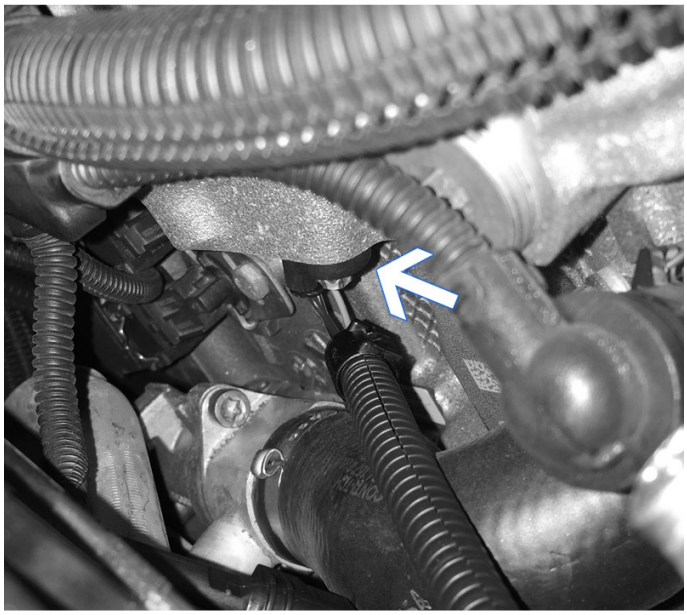


Step 4: Manifold Air Pressure Sensor (Intake Pressure Sensor)
Locate and disconnect the plug from the boost sensor. It's located on top of the intake manifold, behind the intercooler.
Access is tight here but unplugging the harness can be done without removing any other components.
Connect the wiring harness plug to the Turner harness.
Connect the Turner harness to the intake pressure sensor.





Step 5: Camshaft Sensor
Locate and disconnect the plug from the camshaft sensor. It's located on the front of the cylinder head but it's upside down (the connector is pointing to the ground).
Connect the wiring harness plug to the Turner harness.
Connect the Turner harness to the camshaft sensor.



Step 6
Lay out and route the Turner wiring harness so it does not interfere with any other components. Use zip ties to secure the harness to existing wiring harnesses or hard parts.

Step 7
Locate the Performance Module in a place where it will be protected from water, dirt, oil, or other debris. We suggest removing the windshield cowl on the passenger side and using the existing empty space under there. You can run the wiring through the weatherstrip near the strut brace.

Extend the purple sliding lock on the large plug of the Turner harness. Plug the big connector into the Module. It will only go in one way. Then push on the purple lock to secure the plug to the Module. When fully seated the plug should not come disconnected (test this by gently tugging on the black connector).

The Valet connector is used to bypass the tuning module and revert the tuning back to stock. With the Valet plug installed the engine computer will use the stock maps instead of getting modified data from the Turner module. To use the Valet connector, unplug the Turner module from the wiring harness by gently pulling on the purple sliding lock. Set it aside or store it. Plug in the Valet connector to the harness and secure with the sliding lock.

Step 8
Double check your harness connections. Reinstall the cowl covers, engine cover, and any other components that you removed or loosened. And check that the harness is secured and out of the way of any other components.

Enjoy your new power responsibly.