



Turner Module Install Guidelines  
F10 M5, F06/F12 M6

800-280-6966

16 So. Hunt Road, Amesbury, MA 01913  
info@turnermotorsport.com

**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
  - TMAP boost pressure sensor, bank 1 intercooler
  - TMAP boost pressure sensor, bank 2 intercooler
- 1 Valet mode plug

**Step 1**

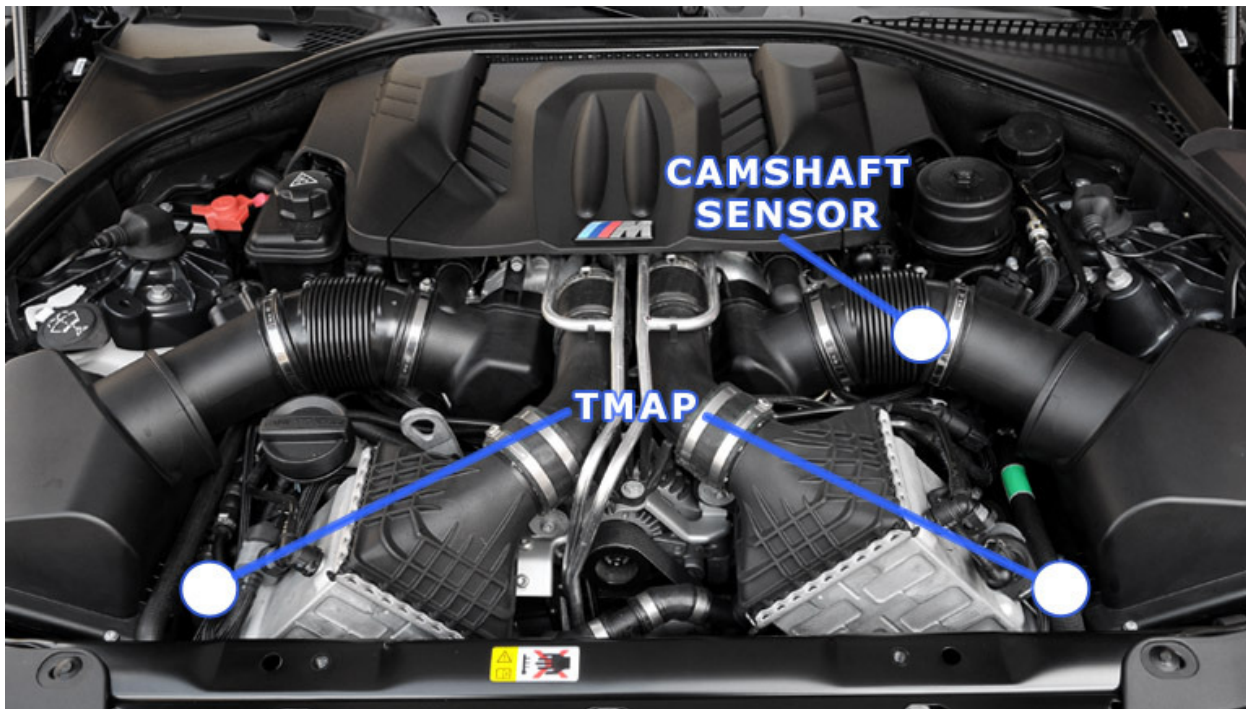
Turn the ignition off and remove the key from the dash. Open the hood but close all of the other doors.

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 M5/M6 module will plug into 3 sensors: camshaft sensor and both TMAP sensors on the intercoolers. Locate each sensor in your engine bay. You will need to remove the air boxes and some panels or shift parts aside for easier access. It's better to move something aside than struggle for access later.



### Step 3: TMAP Sensors

To access the TMAP sensors located at the bottom of each intercooler, you will need to remove the air box, intake piping, and HFM from each side of the engine.

Loosen the hose clamps on the accordion-style intake boot.  
Unplug the HFM connector from the intake boot.



Intake boot detail.

The upper and lower air boxes can be removed together. Unscrew the Torx screw on the outside of the air box where it meets the fender.

Remove the hoses clipped to the edge of the air box.

Disconnect the duct at the front of the air box.

Lift the air box out of the engine bay.

If you planned to delete the charcoal filters from the intake, now is the time to do so.

Remove the air boxes from both sides of the engine.

Locate the TMAP sensor on the lower edge of the intercooler. Disconnect the plug from the TMAP sensor.

Connect the wiring harness plug to the Turner harness.

Connect the Turner harness to the TMAP sensor.

Do this for the TMAP sensors located on each intercooler (both sides of the engine).



TMAP sensor location on intercooler.

#### Step 4: Camshaft Sensor

With the driver's side air box and intake boots removed you will see the top of the valve cover. The sensor is in the near the front of the cover. You will know it's the right one because it has a single Torx screw holding it in place.



Camshaft sensor location on valve cover.

Disconnect the plug from the camshaft sensor.  
Connect the wiring harness plug to the Turner harness.  
Connect the Turner harness to the camshaft sensor.

#### Step 5

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 6

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 and using the existing empty space under there.

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 computers 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 7

Double check your harness connections. Reinstall the cowl covers, air boxes, intake boots, 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.