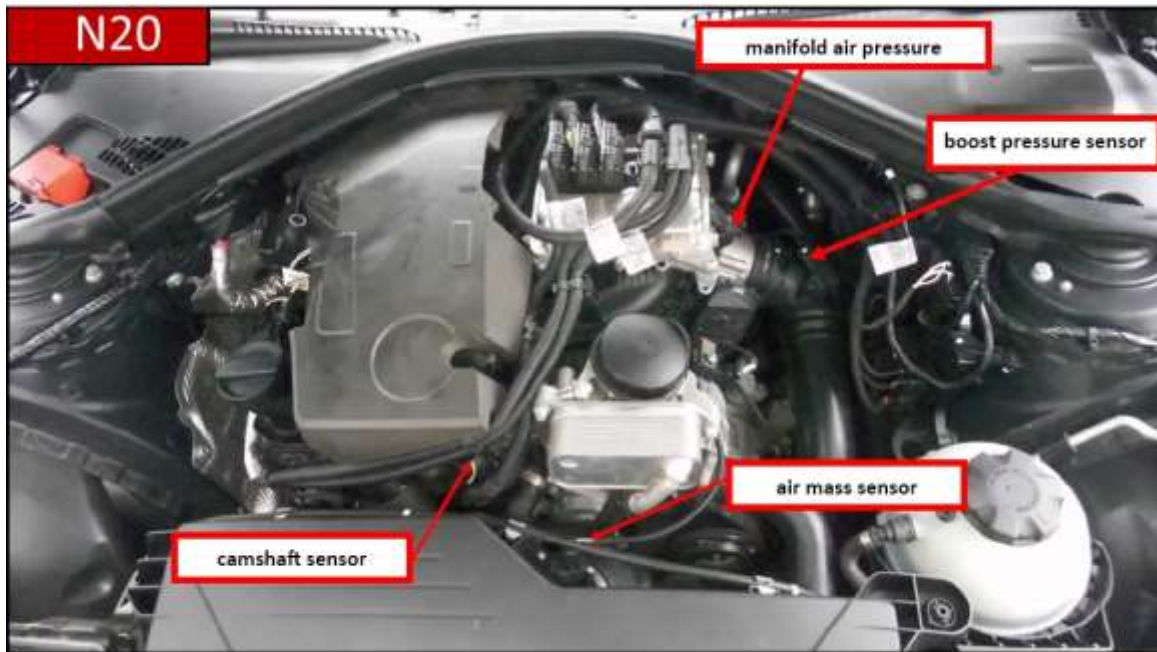




## How to install a Active 8 Module in a F30 N20

- Turn the ignition off.
- Open hood.
- Remove the ignition key
- Close doors.
- Do not open any doors while installing the Active 8 Module kit (will trigger fault codes).
- Wait for 5 minutes before beginning the installation (ECU will need to go to sleep).

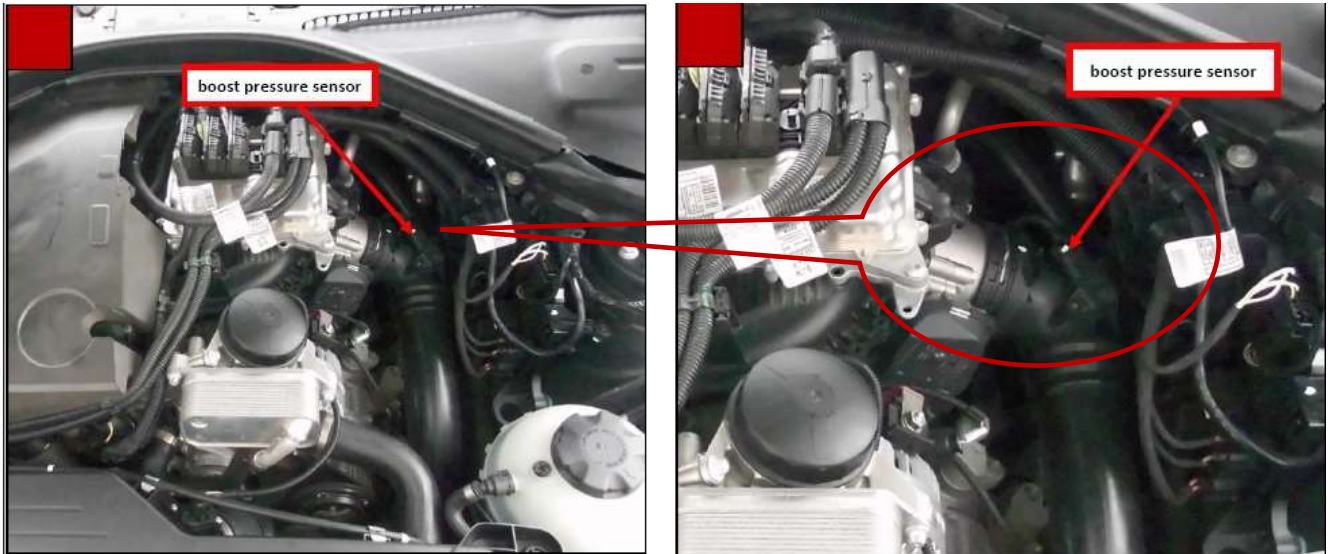




The Active 8 harness will have 4 labeled connectors: Boost pressure sensor, manifold air pressure sensor, air mass sensor and the camshaft position sensor. On most applications the boost pressure sensor will be before the throttle (usually on the throttle body or throttle pipe) while the manifold sensor will come after somewhere on the manifold.

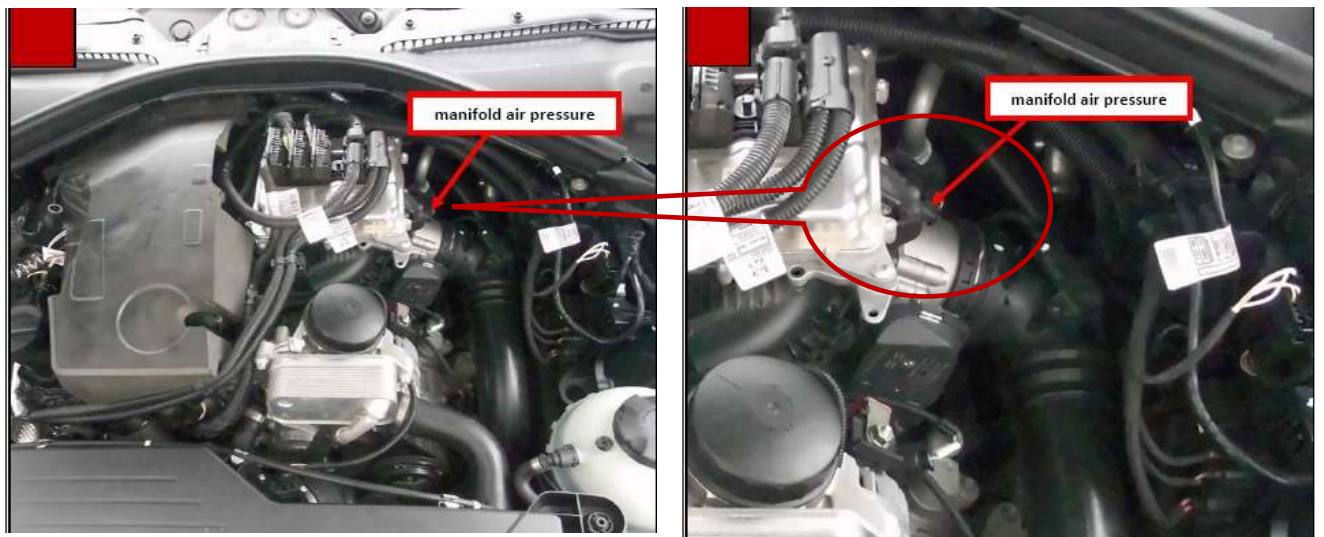
- Remove engine covers and lay harness over engine to find a suitable path for cables away from heat sources and moving parts. Module will be mounted below panel, under passenger side windshield.
- **Hint: Channel cables from passenger side behind motor, towards driver's side with Cam sensor and Air mass cable, coming down center between cylinder head and ECU towards front of car.**
- Unplug boost pressure sensor connector (some have locking tabs). Connect boost pressure male connector on harness to sensor (lock Grey tab), connect female side of harness to original sensor connector.

## Boost pressure sensor



## Manifold pressure sensor

- Unplug the wire from the manifold sensor (may require the use of small screw driver or pick) then connect the manifold pressure connector from the Active module harness.



- **Camshaft position sensor:** Unplug the wire from the camshaft position sensor (may require the use of a small screwdriver or pick) plug the cam sensor harness connector into sensor making sure it is fully inserted. (Only about 5mm of plug should be seen). Connect female side of Active 8 harness to original sensor connector.



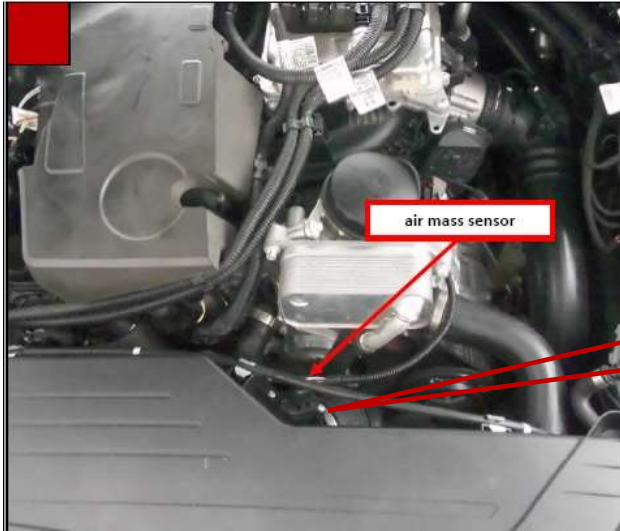
- **Note:** Tab with hole on female side of harness, sensor has similar tab that has to be lifted with pick to release male side connector.







- **Air mass sensor:** Unplug the sensor wire and attach connectors from Active 8 harness.



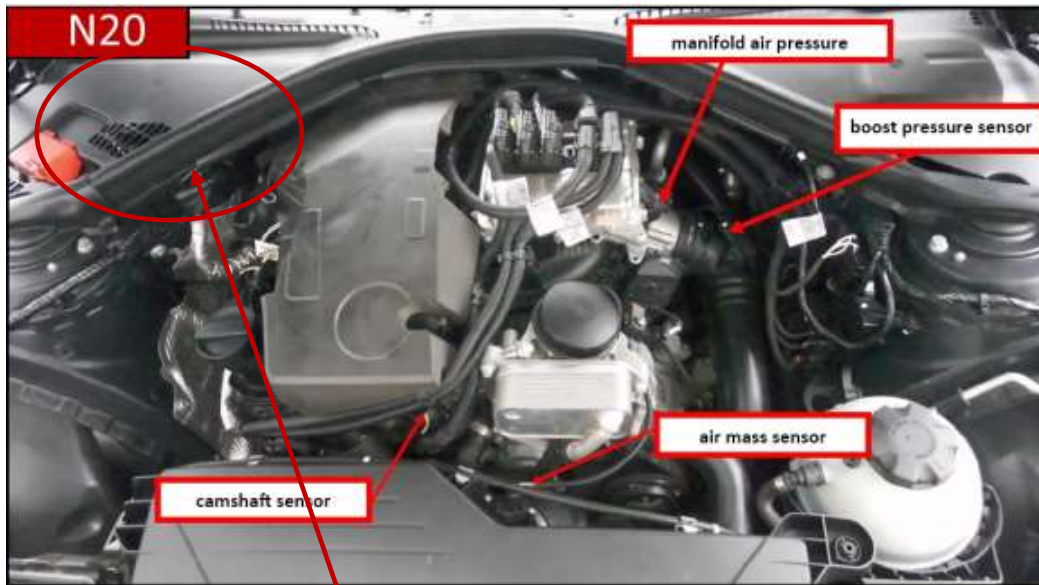
Before attaching the Active 8 module, connect the Bypass Bridge and start car to make sure harness connections are good. Leave car off for 5 minutes before taking off bridge and attaching module.



- **Connecting the Active 8 Module**



- Location of the Active 8 Module



Find suitable path for harness through cowling and mount module on ECU box using original 6mm bolt.



Tie strap harness in place and replace covers.