

Installation of PROFLEX Commander for E46 330i and 330ci (M54B30)

Remove stock fuel line, both sides of fuel line have quick connects that only require pushing in on the sleeve or tabs to release the line. System may be under pressure so use caution when removing line.

Remove fuel line from body to fuel rail. One end is connected to the fuel rail at the back of the engine and the other end is located under the driver side. To remove the fuel rail side first remove all plastic covers at the back of the engine compartment. This can be very challenging to reach and the installer should use caution to not disrupt any of the vacuum lines and connections as they can be very brittle with age and breaking them will cause issues with the car. The other end is located under the car close to the rear control arm mount.

Picture of stock fuel line removed.



Install new lines with fuel sensor in between the two lines. Connect shorter hose with the 90 degree fitting to the hard fuel line under the car where the stock line was removed. Then connect the sensor with the plug facing up to make installing the wiring harness easier. The longer 9.5" hose from the sensor to the fuel rail located underneath the intake manifold.

Moving to the top of the car, remove the fuel injector connectors from the injectors and allow you to route all the wires to the proper location in a clean and inconspicuous manner. All the connectors are housed in a single plastic cover over the top of the injectors. Pull straight up away from the injectors to release from all of the injectors. There is a sensor on the front of the engine that can be unplugged to allow for more slack if needed.

Once all the injectors are unplugged, you can plug in all the PROFLEX Commander leads. Leads are laid out by length so they should lay out with the longest lead to the front of the engine. once they are connected the extra wire length can be tucked under the cover for a clean stealthy look.



At this point you can route your fuel sensor wiring down the driver side of the engine compartment to plug it into the fuel sensor.

The PROFLEX Commander will sit in the compartment on the passenger side of the engine bay by the firewall.

Connect the ground eyelet lead to the main ground terminal located in this area.

Reinstall the plastic covers.

Before plugging in the PROFLEX Commander module, please start the car and ensure there is no check engine light. If everything has been installed properly there will be no check engine light. A check engine light means something was not installed properly and you will need to go back and check the connections.

After ensuring there is no check engine light you can plug the wiring harness into the PROFLEX Commander and begin running E85!