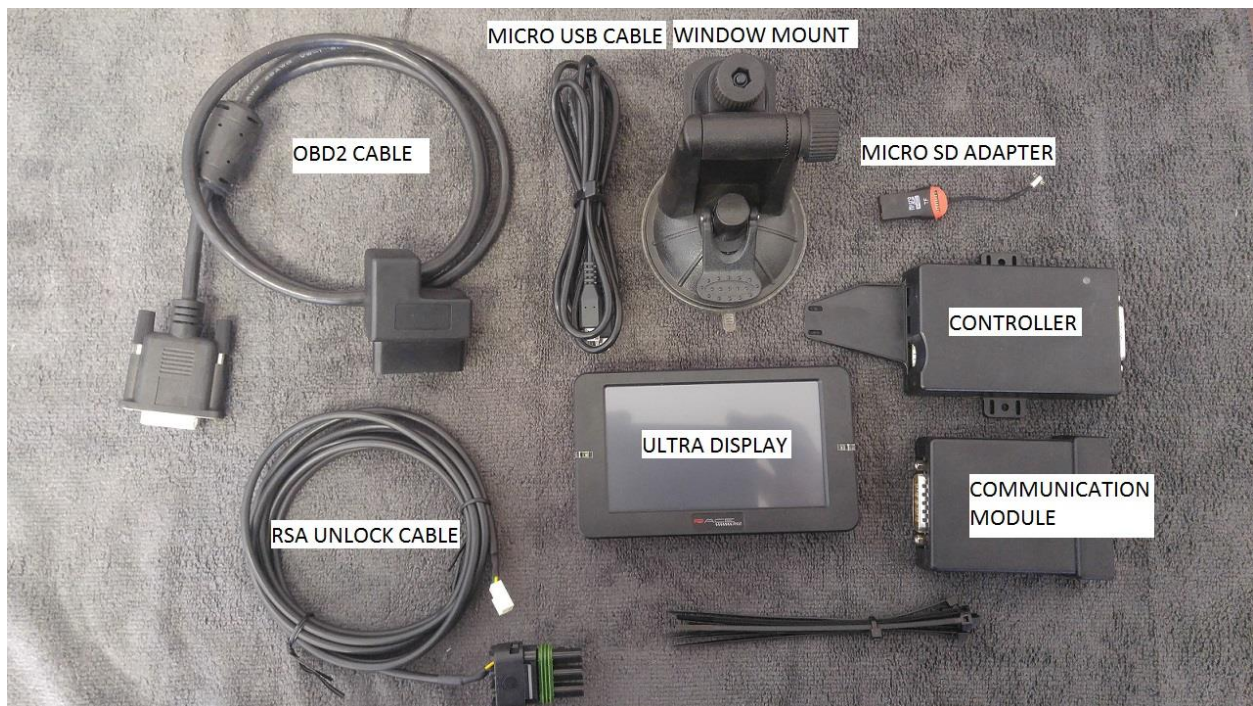# Physical Hardware Connections

This guide will walk you through the physical connections required to make the Ultra function properly. Below are the proper names for all the parts included.

First, the Ultra display connects to the controller via the micro USB cord. Please note the orientation of the plugs to the cord as these are delicate and do NOT need to be forced.

Then the controller attaches to the communication module (comm mod). These two units are press fit together.

The two prong plug in the side of the comm mod is for the RSA unlock cable which will be connected to

the data link port in the engine bay. The data link connection (through the RSA cable) is required for the use of RT or real time programming for all trucks 2010 to present. The 2013 to present trucks require this connection for the initial programming session and to return the truck to stock. The data link location is a follows,
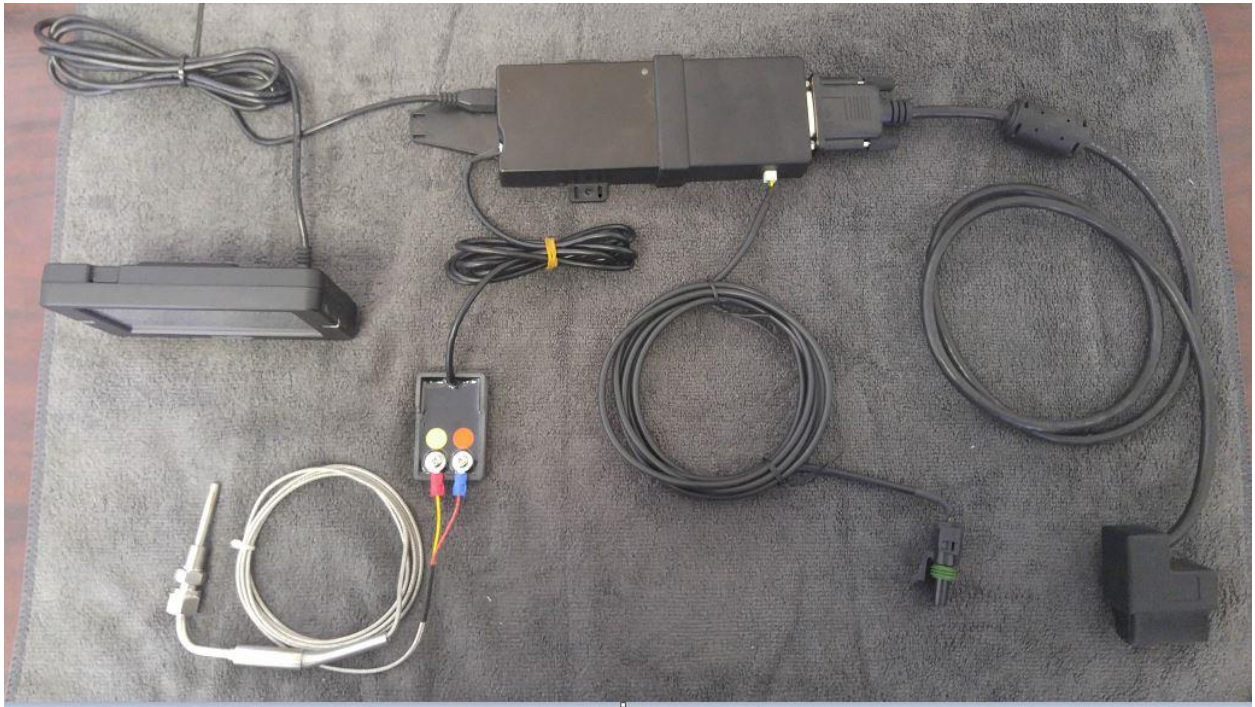
There is a cover on the plug that has to be removed.

There are three ports in the end of the controller. The port on the left goes to the Ultra display. The port in the center is for remote updating with a computer. This is mostly used for custom tuners who want to make real time changes as they tune. Lastly, the port on the right is for the optional

pyrometer kit shown below.

This is how all connections should look when completed.