

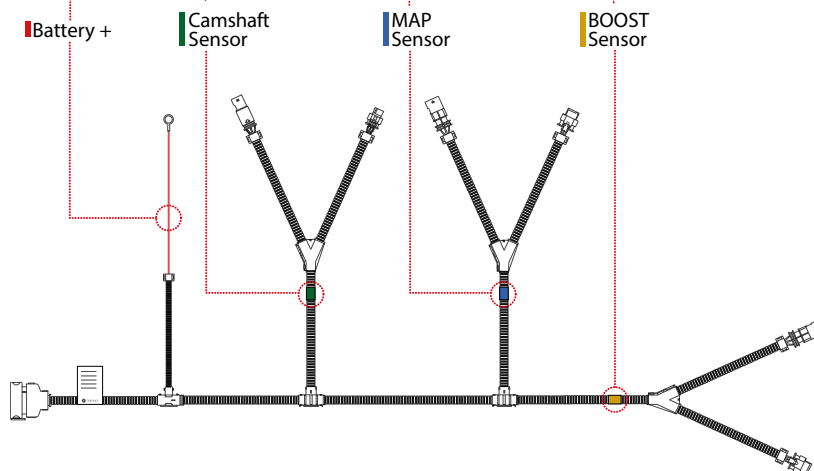
# VORTEX1

## Quick Installation Guide

Rev02 - Jan 2020

Vortex1 Part#	Brand	Model
40105	FORD	F-150 Ecoboost 2.7L 325HP

### Sensors overview



## INSTALLATION STEPS:

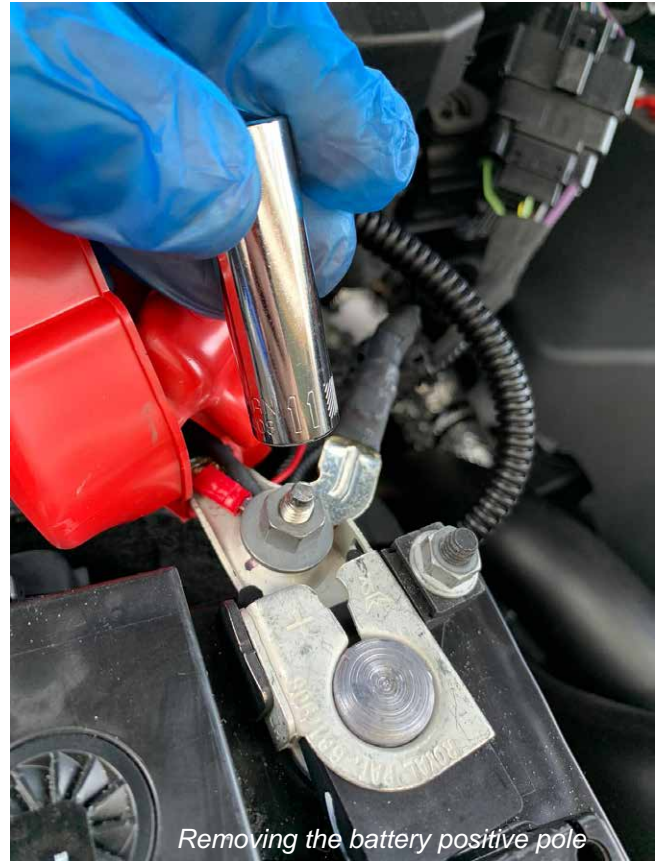
The engine must be cool and a small ladder will be needed for better access.

### STEP1 - Disconnecting the battery

Remove the positive pole of the battery with a 11 mm hex long socket

### STEP 2 - Removing the cover

Remove the engine cover. Two 10 mm hex bolts need to be removed.



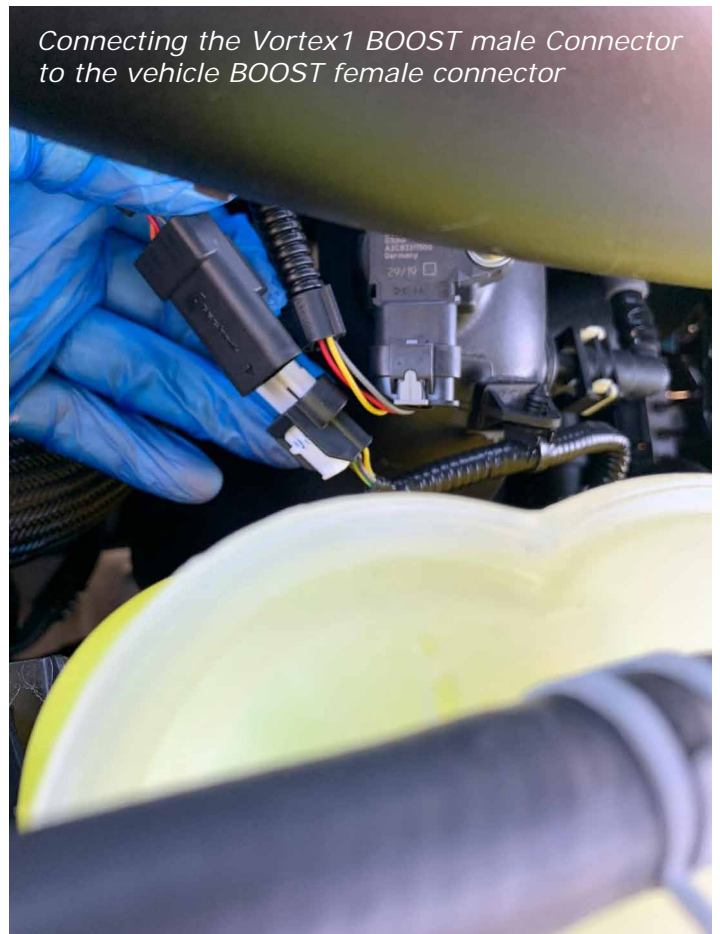
### STEP 3 - BOOST Sensor

The BOOST Pressure Sensor is located on the air-inlet tube near the engine throttle body.

Pull the lock down then press and remove the vehicle BOOST connector

Insert the Vortex1 BOOST Connector (Yellow Label) and push the lock.

Connect the vehicle BOOST female connector to the Vortex1 male connector

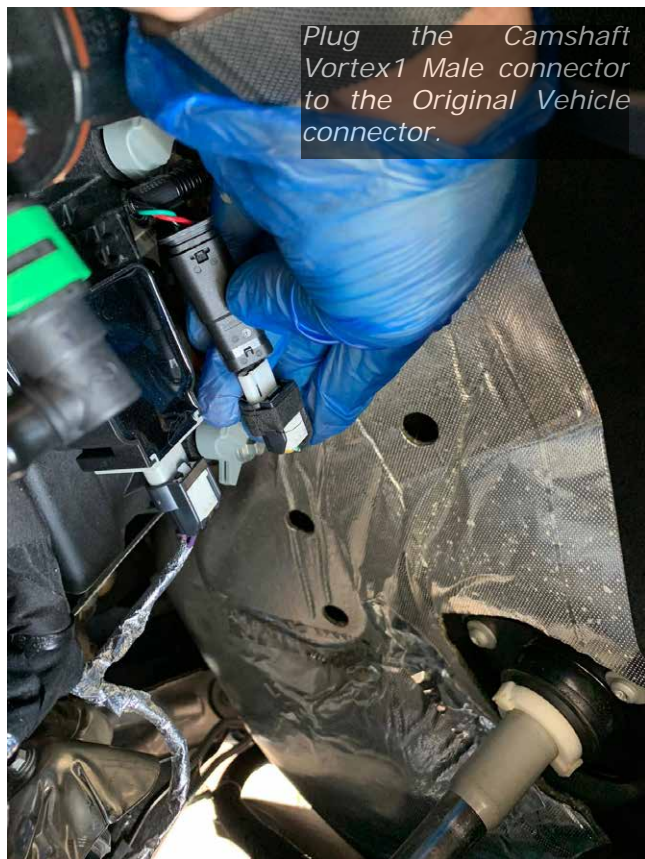
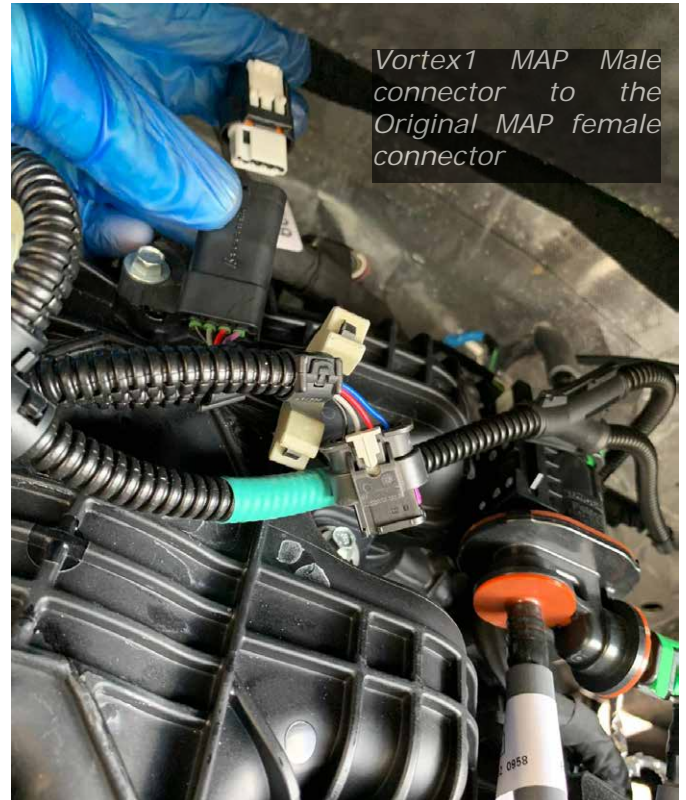




## STEP 4 - MAP Sensor

Locate the MAP sensor at the center of the engine, at the top of the plastic part.

Repeat the BOOST Sensor procedure, remove the original connector from the MAP sensor and connecting the Vortex1 Female Connector to the MAP Sensor. After, plug the Original Female MAP Connector to the Vortex1 male MAP Connector, with the Blue Label.



## STEP 5 - Camshaft Sensor

The Camshaft Sensor is located at the top of the back side of the engine.

Repeat the procedure, remove the original connector and plug the Vortex1 connector to the sensor. The Vortex1 Camshaft Connectors are labeled Green.

## STEP 6 - Connecting the Vortex1 Module

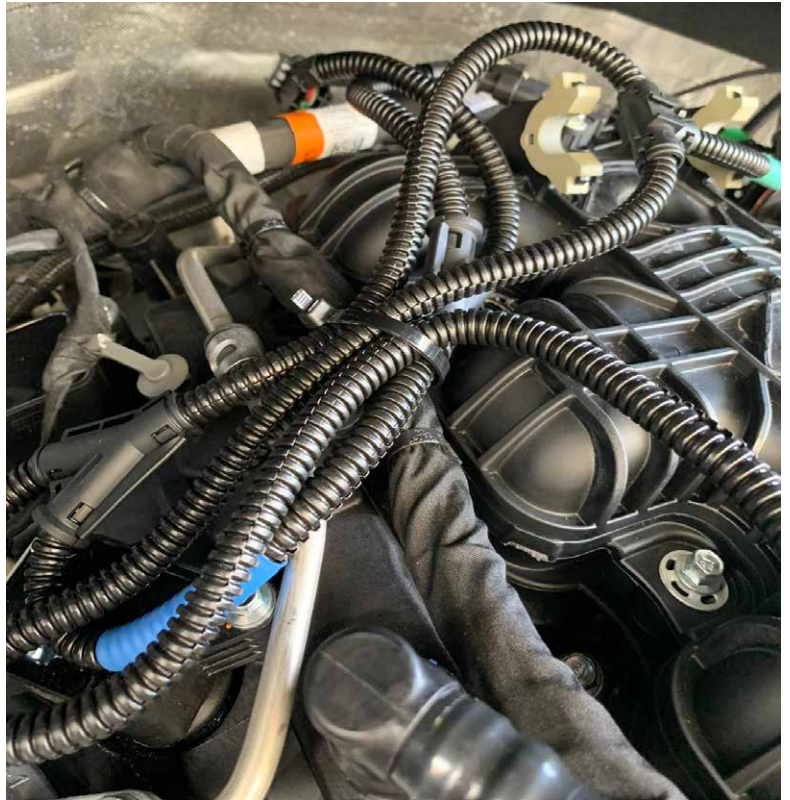
Connect the Vortex1 Module to the harness and position it inside the battery cover.



### **STEP 7 - Fixing the wiring**

Use the nylon cable ties to fix all the Vortex1 wiring, placing it away from the engine's hot parts.

Then, connect the positive pole of the battery.



### **STEP 8 - Download the App**

Download the Vortex1 App and follow the steps to register.  
In a few seconds, your Vortex1 will be powered on! Drive safe and have fun!