



## FROG ENGINE CONTROLS

Thank you for purchasing one of our quality products.

**Product:** OBD Conversion Harness

**Model:** OBD0 to OBD2 ECU

In order to complete the installation of your conversion harness, additional sensors and/or equipment may need to be connected to the subharness.

<u>Colour</u>	<u>Function</u>	<u>Colour</u>	<u>Function</u>
<b><i>12 Wire Pigtail</i></b>		<b><i>9 Wire Pigtail</i></b>	
Purple	Vtec Solenoid Signal	Black/White	Knock Sensor
Blue	EGR Solenoid Valve	Blue/White	Intake Air Bypass Power
Green	O2 Sensor Heater Control	Black/Green	Vtec Pressure Switch Control
White	Intake Air Bypass Signal (P72/ P13 ECUs only)	Brown	Fuel Tank Pressure
Orange	Alternator Control	Black/Orange	CKF-P
Grey	EVAP Bypass Solenoid Valve	White/Yellow	CKF-M
Red(power)	O2 Sensor Power	White/Orange	Service Check Signal
Yellow	EVAP Control Canister Vent	White/Green	Second O2 Sensor Signal
Pink	Second O2 Sensor Heater Control	Black(ground)	Service Check Ground
Black(ground)	Second O2 Sensor Ground	<b><i>4 Wire Pigtail</i></b>	
Black(ground)	Vtec Pressure Switch Ground	Red(power)	Second O2 Sensor Power
Black(ground)	O2 Sensor Ground	Black(ground)	IAB Ground(Used in Some OBD2a applications)
		Black/ Yellow	O2 Sensor Signal
		Blue/Red	EGRL

### Installation Notes:

#### **IAB-**

Used only with P72 or P13 ECUs

#### **Service Check (ground and signal)-**

These connections have been added for your convenience only, a simple toggle switch can be used to connect the two wires. The use of this alternate service check connection is optional, if you choose to continue using the original system, simply cap the connections so as to not accidentally ground the signal wire and activate the service check circuit.

#### **Powers and Grounds-**

These are suggested connections, other suitable locations may be used for powers and grounds.

### **IMPORTANT:**

-The above connections may not be used in all configurations, JDM ECUs will not require most of the extra sensors.

-To simplify the **installation** of the new **distributor**(OBD1 or OBD2), some sensor wires have been interchanged in the wiring harness. CKP-P swapped with CYP-P and CKP-M swapped with CYP-M, this change allows the installer to wire the distributor using matching colours. Visit our website for distributor wire colour coding and other installation FAQ. [www.vtecfrog.com](http://www.vtecfrog.com)

**-Please consult a professional installer in order to avoid serious damage to the vehicle's components.**

**This product is designed for off road use only**