

## **PreOBD to OBD1 ECU Conversion Harness Instructions**

The following instructions will assist you in completing your installation of your conversion harness.

### **Additional Parts Needed**

Some additional plugs may be required, such as the OBD-1 or OBD-2 distributor plugs and the 4-wire O2 sensor plug. Other plugs, such as the VTEC solenoid plug, VTEC pressure switch plug and knock sensor plug may be required, depending on what ECU and engine your are running. It is recommended to use the original OBD-1 plugs for a cleaner installations. If you are unable to locate the plugs, you may splice directly in the existing plugs.

<b><u>Wire Color</u></b>	<b><u>Item</u></b>	<b><u>Function</u></b>
Blue	P02SHTC	O2 Sensor Heater Control (02BLK Wire)
White	PH02S	O2 Sensor Signal (02 WHT Wire)
Violet	VTS	VTEC Solenoid Signal
Gray	VTM	VTEC Pressure Switch Signal
Green	IAB	Intake Air Bypass Signal
Orange	KS	Knock Sensor Signal
Red or Pink (2)	IGP	Power (IAB, 02, BLK Wire)
Black or Brown (3)	PG	Ground (SCS, VRM, 02 GRN Wire)
Yellow	SCS	Service Check Signal

### **Installation Notes**

IAB is only used on certain engines and only looked for by certain ECU's (P72) & P13). For all other applications, it is not required.

SCS is used to check for the sensor codes. A toggle switch can be placed between the YLW wire and the BLK wire, or directly to a ground source. If you choose this options, keep the YLW wire covered so it does not make contact with anything that may activate the SCS.

IGP and PG (power and ground) connections are only recommendations and active locations on the ECU. Other locations may be used.

### **Distribution Wiring**

OBD-0	OBD-1	
Thick WHT	YLW/GRN	Match the same colors from the OBD-0 distributor to the new OBD-1 or OBD-2 distributor.
Thin WHT	WHT	
ORG	ORG	
WHT/BLU	WHT/BLU	
BLU/YLW	BLU/YLW	
BLU/GRN	BLU/GRN	

### **Notes**

Some ECU's including both USDM and JDM may not require all of the connections listed above, as extra sensors are not used for a particular engine.

Please note that some sensors were already changed simplify the installation of a new OBD-1 or OBD-2 distributor. CKP-P with CKP-M wires have already been color matched to the OBD-0 wires.