

UNIVERSAL K-SERIES CONVERSION WIRING HARNESS

This harness was designed to be used in situations where the OEM 02-04 K20 engine wiring is used, but very little chassis wiring is being utilized. All wires supplying voltage should be fused. Please refer to specific wiring and circuit diagrams before attempting an install. Email Support@hybrid-racing.com with questions regarding specific installation. Follow the wire description to aid in the installation.

ECU "E" CONNECTOR

- (SM BLACK) E26 RPM Output – This location is responsible for sending the TACH/RPM signal to a gauge. Connect this wire to the TACH/RPM input on your gauge of choice.
- (YELLOW) E31 MIL Output – This location is responsible for sending a Ground signal to illuminate a light bulb in the instance an ECU error code has been received. Connect this wire to the Ground side of a bulb to signal a CHECK ENGINE LIGHT.

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- (WHITE) 3 VSS Output – This location is responsible for sending the VSS signal to a gauge. Connect this wire to the Speed signal input on your gauge of choice.
- (PINK) 7 Fan Control – This location is responsible for sending a ground signal to a FAN RELAY. Connect this wire to the ground leg of a FAN RELAY in order to activate the cooling fans. The ground signal will come from the K-Series ECU (KPRO Only, check other aftermarket ECU's for connectivity.) *If you are NOT using KPRO, you will need an OEM K series fan switch and should connect the switch directly to the FAN RELAY. This wire would NOT be used.*
- (LRG BLACK) 16 To Start Relay – This location is responsible for receiving a 12v signal which will engage the starter. Connect this wire to a STARTER RELAY so when the ignition is turned to the START position, this wire receives 12v. Push buttons can also be used to supply voltage to this wire.
- (PURPLE) 18 Oil Press Warn Light – This location is responsible for sending a Ground signal to illuminate a bulb in the instance the ECU a low oil pressure warning has been received. Connect this wire to the Ground side of a bulb to signal a LOW OIL PRESSURE warning light.

FUEL PUMP RELAY

- (BLUE) To Fuel Pump 12v – This location is responsible for sending power to turn the fuel pump ON. Depending on the type of fuel pump & distance, a larger gauge wire may be needed. Always run a properly sized inline fuse.

MAIN RELAY

- (RED) To Constant 12v – This location is responsible for providing 12v to the ECU. Be sure to run an inline fuse and connect this wire to a constant 12v source.

O2 SENSOR RELAY

- (ORANGE) To Switched 12v – This location is responsible for providing an ignition ON voltage to the ECU. Be sure to use an inline fuse and connect this wire to an ignition ON voltage source.

This item may not be legal for highway use. Hybrid Racing is not responsible for any direct or indirect, actual or incidental expense attributed to the use of any performance parts sold by Hybrid Racing LLC. Purchasers agree to all of the terms of this agreement upon the purchase of parts.

More information can be found at www.hybrid-racing.com.