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www.cbmmotorsports.com

2.2L I 2.4L E37 ECOTEC L61 I LE5

Connector:	Description:	Wire colors:
Diag/Data	6 pin black - OBD II	black, black, tan, tan w/white stripe, pink
Crank sensor	3 pin black w/white insert	green, yellow w/black stripe, blue w/white stripe
Knock sensor	2 pin black w/green seal	blue, grey
Ignition coils	4 pin black w/purple insert	black, black, purple, pink (1) black, black, red, pink (2) black, black, blue, pink (3) black, black, green, pink (4)
Injectors	2 pin black w/grey clip	pink, black (1) pink, green w/black stripe (2) pink, pink w/black stripe (3) pink, blue/black (4)
Cam sensor (intake)	3 pin black w/purple seal	green, tan, yellow w/black stripe
Cam sensor (exhaust)	3 pin black w/purple seal	green, brown, yellow w/black stripe
Oil pressure (optional)	4 pin black w/green seal	brown w/white stripe
MAF (mass air flow)	5 pin black w/purple insert	yellow, black w/white stripe, pink, tan w/white stripe, tan
MAP (Bosch) - or - Map (Delphi)	3 pin black w/orange seal 3 pin grey w/purple seal	grey, green, black grey, green, black
Coolant temp	2 pin black w/blue seal	yellow, black
Alternator	2 pin black w/orange seal	pink
O2 sensor	4 pin stacked white w/blue seal	pink, tan, black, purple
Ground	2 wire ring terminal	black, black
Throttle body	8 pin black w/purple seal - or - 6 pin black w/grey seal	yellow, brown, green, blue w/ black stripe, purple, grey, tan, tan w/white stripe brown, yellow, tan w/white stripe, green, blue w/black stripe, purple
Electric pedal	6 pin stacked w/blue seal	purple, lt. blue, tan, dk. blue, black w/white stripe

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*FOR OFF-ROAD RACING ONLY, NOT FOR SALE IN CALIFORNIA FOR CA REGISTERED VEHICLES, NOT FOR USE IN CALIFORNIA.

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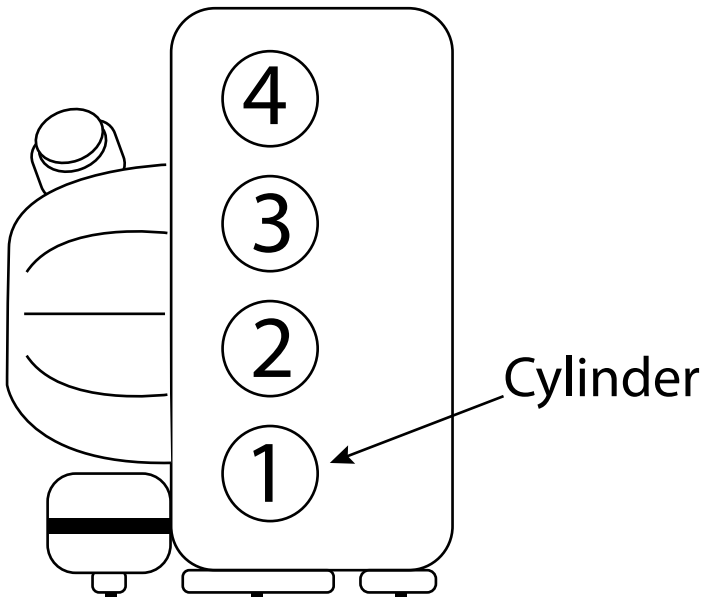
cont.

Blunt cut wires*:	Description:	Wire colors:
Temp sender	Coolant temp gauge	yellow
Pressure sender	Oil pressure gauge	brown

*These wires are provided for convenience only and do not need to be connected for the operation of our system. If your application uses analog gauges, simply connect the end of this wire to the sender. At the opposite end of the harness (by the relay pack) you will find the other end of the like colored wire. Connect this side directly to the gauge. This allows a clean installation without having to run additional wires through the harness. If you do not connect the harness end to a sender the gauges will not receive a signal and will display a zero value.

This ECU does not have a tach output. If you would engine RPM you will need a Dakota Digital STA-100 interface found at: https://store.custombuiltmotors.com/gauges/dakota-digital-obd-ii-tachometer-speedometer-interfaces.html



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cont.

These wires go to the fuse block.

Connector:	Description:	Wire colors:
Fan power (1 and 2)	Connect these wires to a full time 12v+ source. These wires supply power for the fans.	red w/black stripe (x2)
Ignition power	Connect this wire to a full time 12v+ source. This wire supplies power to the ignition/power relay.	red
Fuel pump power	Connect this wire to a full time 12v+ source. This wire supplies power to the fuel pump.	red

These wires come from the relay pack.

Connector:	Description:	Wire colors:
Ignition in	Connect this wire to a switched 12v+ source. This wire turns computer on and off.	pink w/black stripe
ECM power in	Connect this wire to a full time 12v+ source. This wire supplies power to the computer.	orange w/fuse block
Fan out (1 and 2)	Connect these wires to the fans. These wires power the fans when the computer triggers them.	red (x2)
Fuel pump out	Connect this wire to fuel pump. This wire powers the fuel pump when the computer triggers it.	red w/black stripe
*Coolant temp	Connect this wire to coolant gauge.	yellow
*Oil pressure	Connect this wire to oil pressure gauge.	tan

**Opposite end must be connected to sender. See harness diagram for details.*