



725 SOUTH LA CADENA DRIVE COLTON CA 92324

909.291.7550

www.cbmmotorsports.com

2.5L LCV D.I.

Connector:	Description:	Wire colors:
Diag/Data	OBD II port	orange, green, black, black, tan, tan white stripe
Crank sensor	3 pin black w/white clip	green, yellow/blk., blue/wht.
Knock sensor x2	2 pin white w/purple seal	lt. blue, grey (even) dk. blue, grey (odd)
Ignition coils	4 pin grey w/blue seal	(1) pink, green, brown, black (2) pink, lt. blue, brown, black (3) pink, red, brown, black (4) pink, purple, brown, black
Injectors	12 pin black w/white insert	drk. green w/blk. drk blue w/blk red w/blk., lt green, yellow w/blk., brown, brown w/wht drk. green, lt blue w/wht. lt green w/wht., drk blue, purple,
MAF	8 pin black w/red clip	blue/wht, white, green/blk, yellow, pink/black, green, black, grey
MAP	3 pin black w/green seal	grey, green, orange/blk.
Coolant temp	2 pin black w/blue seal	yellow, black A B
Alternator	2 pin black w/orange seal	grey, brown
O2 sensor	4 pin dark grey /white clip	purple, tan, pink, black



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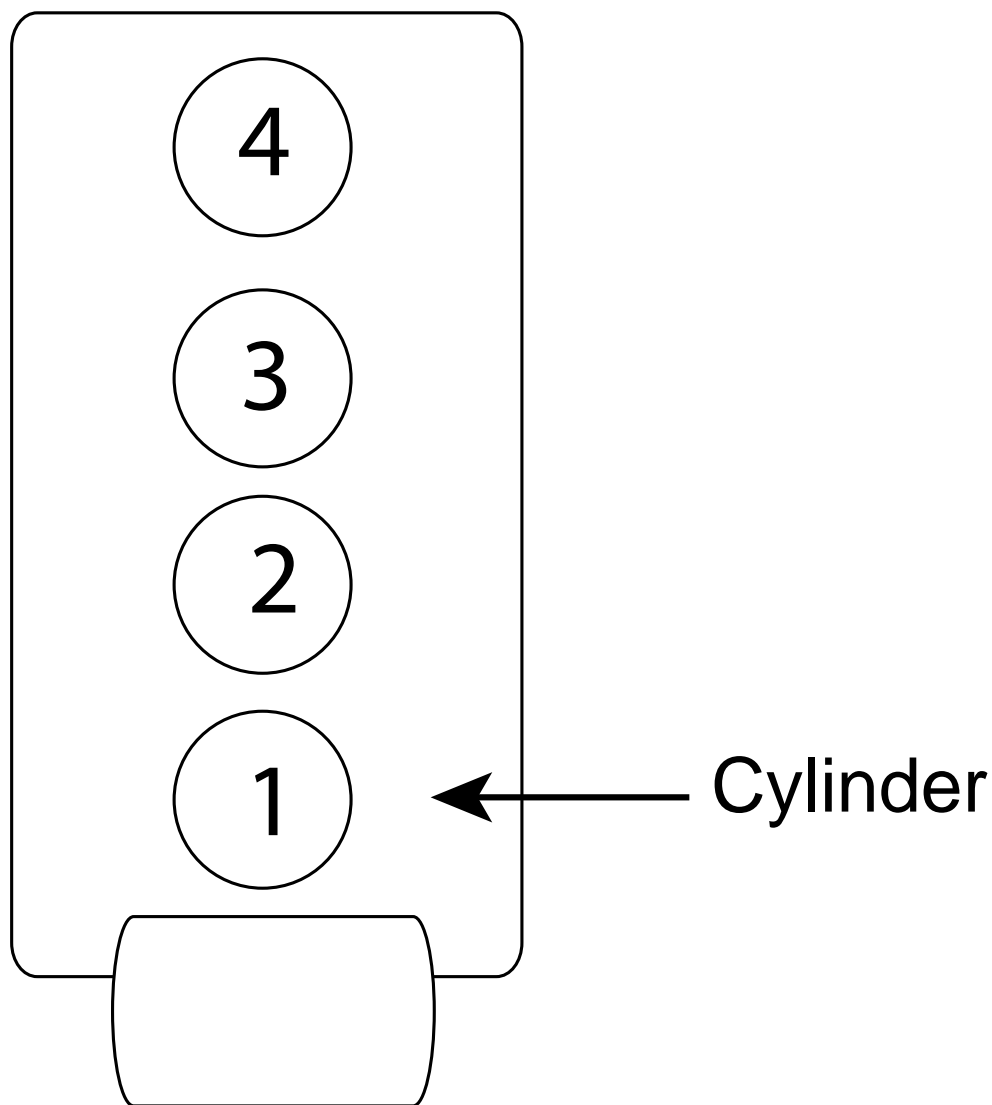
2.5L LCV D.I. cont.

Connector:	Description:	Wire colors:
VVT Solenoid (exh)	black 2 pin	purple, black
VVT Solenoid (int)	grey 2 pin	yellow, black
Cam Position Sensor (exh)	black 3 pin	grey, black, purple
Cam Position Sensor (int)	black 3 pin	black w/white, grey, yellow
High Pressure Fuel Pump	black 2 pin	purple, yellow
Oil Pump	black 2 pin	lt blue, pink
Throttle body	6 pin black /red clip	brown,yellow, blu/wht., dk. blue/blk., tan
Oil pressure	3 pin black w/white clip	white, yellow, purple

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.

2.5L LCV D.I. cont.



FRONT OF ENGINE



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2.5L LCV D.I. 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
Tach out	Connect this wire to tach signal input. This wire shows one pulse per revolution.	grey
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.*