



725 SOUTH LA CADENA DRIVE COLTON CA 92324

909.291.7550

www.cbmmotorsports.com

2.4L ECOTEC LES MEFI 5

Connector:	Description:	Wire colors:
Diag/Data	6 pin black w/purple seal	orange, red w/white stripe, purple w/white stripe
Crank sensor	3 pin black w/white seal	green, yellow w/black stripe, blue w/white stripe
Knock sensor	2 pin white w/purple 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
VVT (intake)	2 pin grey w/blue seal	orange, black
VVT (exhaust)	2 pin black w/blue seal	purple black
MAP	3 pin black w/orange seal	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
Electric pedal (not used in all applications)	6 pin stacked w/blue seal	purple, lt. blue, tan, dk. blue, black w/white stripe



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2.4L ECOTEC LES MEFI 5 cont.

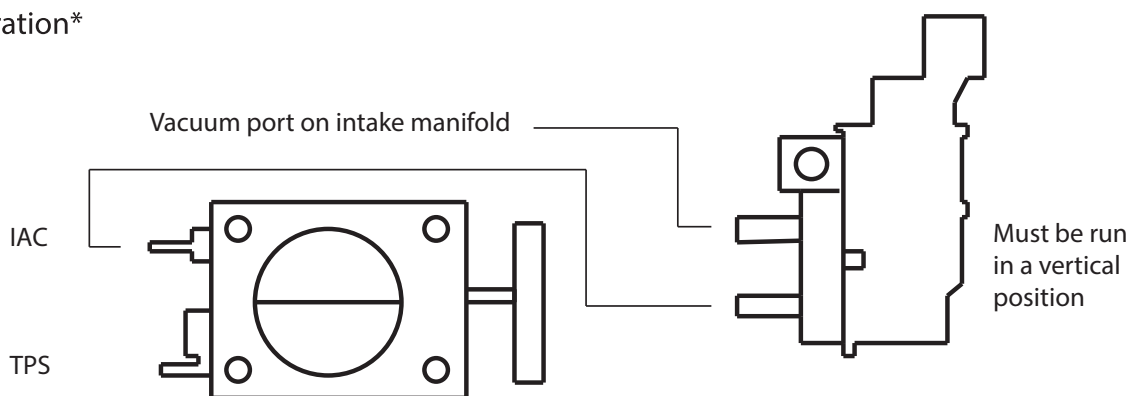
Connector:	Description:	Wire colors:
Electronic Throttle body	6 pin	brown, yellow, grey, green, black/white, purple
Air temp	2 pin grey w/blue seal	black w/white stripe, tan
MAP	3 pin black w/orange seal	grey, green, black
Fan	Used	blue
Electronic Throttle body	8 pin	yellow, black, brown, green/black, blue/black, purple, green, grey
Air temp	2 pin grey w/blue seal	black w/white stripe, tan
MAP	3 pin black w/orange seal	grey, green, black
Fan	Used	blue
Manual Throttle body	n/a	n/a
TPS	3 pin black w/purple seal	grey, black, blue w/white stripe
IAC	3 pin black w/orange seal	blue
Air temp	pin grey w/blue seal	black w/white stripe, tan
Fan	Not Used	blue

2.4L ECOTEC LES MEFI 5 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.

IAC configuration



*Remove factory electronic IAC valve from the throttle body. Install included aluminum IAC insert. Run 3/8" rubber hose from IAC insert to the bottom port on the IAC bracket. Run 3/8" rubber hose from top IAC port to vacuum port below the throttle body on intake manifold. Mount bracket and valve in a vertical position.