



9252 HYSSOP DRIVE RANCHO CUCAMONGA CA 91730

909.291.7550

www.cbmmotorsports.com

2.4L Ecotec LE5 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 seal | black, black, purple, pink (1) black, black, red, pink (2) black, black, blue, pink (3) black, black, green, pink (4) |
| O2 sensor | 4 pin stacked white w/blue seal | pink, tan, black, purple |
| 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 |
| Ground | 2 wire ring terminal | black, black |
| Alternator | 2 pin black w/orange seal | pink |
| Coolant temp | 2 pin black w/blue seal | yellow, black |



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2.4L Ecotec LE5 MEFI 5 cont. 2

| 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 | | |
| TPS | 3 pin black w/purple seal | grey, black, blue w/white stripe |
| IAC | 2 pin modified w/orange seal | yellow, brown |
| Air temp | 2 pin grey w/blue seal | black w/white stripe, tan |
| Fan | Not Used | blue |



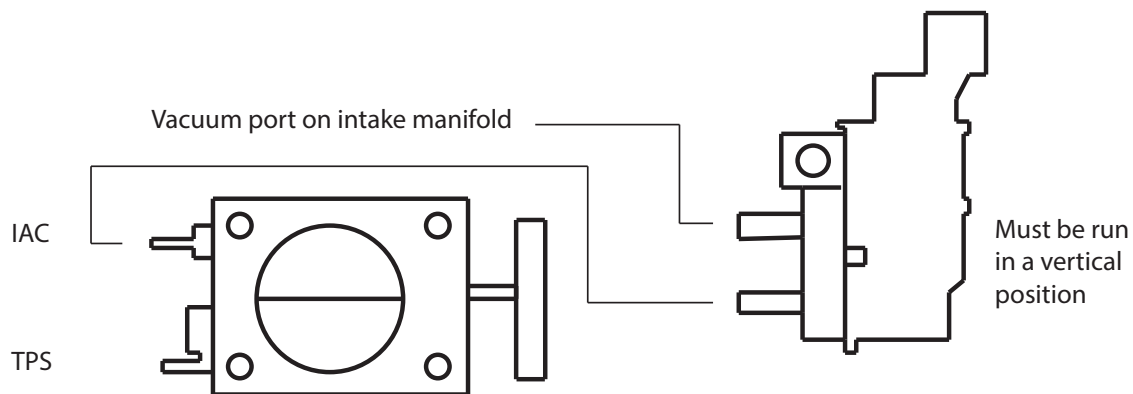
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2.4L Ecotec LE5 MEFI 5 cont. 3

| Connector: | Description: | Wire colors: |
|--------------------------------------------------|---------------------------|-------------------------------------------------------|
| Electric pedal (not used in all applications) | 6 pin stacked w/blue seal | purple, lt. blue, tan, dk. blue, black w/white stripe |
| *Blunt cut wires* | | |
| 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.