![Split Second logo] **SPLIT SECOND**

AIC2-V66HI
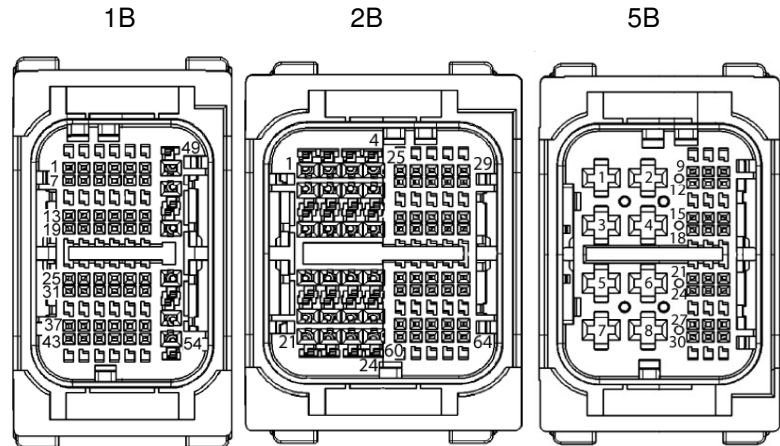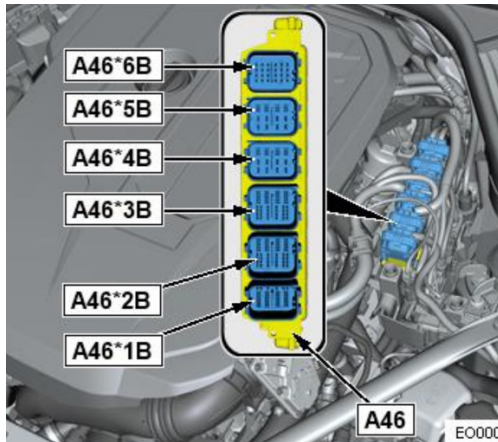# Additional Injector Controller

Installation Instructions on B58

This unit is specifically designed to provide supplemental fuel on an in-line 6-cylinder engine. It controls six additional injectors with EV6 connectors. The connector locations are shown below. Connections should be made a few inches away from the DME connectors.

Terminal Side View of Connectors

1B   2B   5B

☞ **WARNING!** Disconnect the battery before making wire connections

1) Wire colors in bold refer to wires on the AIC2. Harness wire colors may vary depending on model.
2) Disconnect the negative terminal of the battery.
3) Locate the unit in a protected area that gets minimum heat and moisture.
4) Route the injector harness to the supplemental injectors. Plug the connectors into the injectors.
5) For the best electrical connections, we recommend non-insulated barrel crimp connectors covered with heat shrink or solder and heat shrink.
6) Connect the **BLACK** (B-) wire to the power ground brown wire on 5B pin 3.
7) Connect the **BLACK/YELLOW** wire to the signal ground black wire on 2B pin 48
8) Connect the **RED** (IGN) wire to the red wire on 5B pin 2.
9) Connect the **GREEN** (Vin) wire to the charge pressure sensor yellow wire on 2B pin 49.
10) Connect the **YELLOW/BLACK** (tach) wire to the engine speed black/red wire on 1B pin 29.
11) OPTIONAL, Connect the **GRAY** (IAT) wire to the yellow/white wire on 2B pin 44.
12) OPTIONAL, Connect the **YELLOW** (user trim) wire to the 0-5 V output from the flex fuel sensor.
13) OPTIONAL, Connect the **ORANGE** (relay driver) wire to the low side of the fuel pump relay coil.
14) OPTIONAL, Connect the **BROWN** (map switch) wire to one terminal on a SPST switch. Connect the other terminal to ground. The switch can be used for on-the-fly selection of map A or map B.
15) Reconnect the battery.
16) Refer to the AIC2 data sheet for programming instructions. Make sure that the flag is set so Driver 2 Mirrors Driver 1. The tach pre-scaler should be set to 6. Set load source select to Vin1. Turn off the enable flags for temperature compensation, user trim and dead time compensation if they are not being used.

If you have any difficulty with installation, please call us at (949)863-1359 for assistance.

THANK YOU FOR CHOOSING SPLIT SECOND