

HKS FCD SW20/ST185 INSTALLATION

The FCD becomes easy to install when you understand what it does. The boost sensor in your car reports a voltage to the ECU. When the ECU senses 4.4 volts, it will cut the fuel (fuel cut), and cause you to lose power. The FCD will intercept this voltage and put out a lower figure to the ECU, so that fuel cut cannot happen. The PIM wire tells the ECU the voltage, which must be cut. Each end of the PIM wire goes into the FCD so that the voltage can be altered. Only the PIM wire would be cut, the others would be "tapped", by connecting the wires to the harness, but not cutting them.

HKS FCD

What do the HKS wires mean?

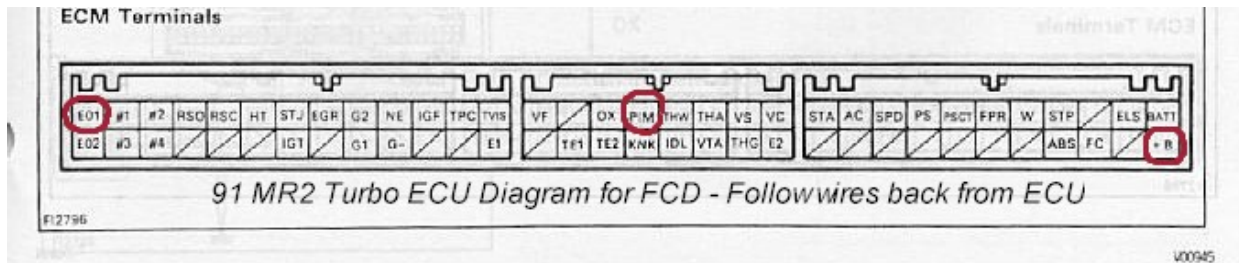
YELLOW - goes to the cut ECU side (PIM wire)

WHITE - goes to the cut harness side (PIM wire)

BLACK - ground (E1)

RED - IG power (+B)

notes: Suggested FCD setting for 3sgte is 7 on the dial



ST185:

E1 - Brown

+B - Black / Yellow Stripe

PIM - Red / White Strip

SA20:

E1 - Brown

+B - Black / Yellow Stripe

PIM - Light Blue