

EZ CANBUS

6L80E TAP SHIFT

Negative Control



Wiring For Negative TAP SWITCH Control

Pink Wire to switched 12volts
Black Wire to ground
BROWN Wire to GM CAN + High
TAN Wire to GM CAN - Low
WHITE/ BLUE TAP SHIFT SWITCH UP
WHITE/BLACK TAP SHIFT SWITCH DOWN

OPERATION:

Once the unit is wired in and powered up it will send a CAN message to the transmission indicating one of three TAP shift request.

If both TAP inputs are “open” it will send a (no request) message

If the TAP UP input is “Grounded” it will send a (TAP UP) message

If the TAP DOWN input is “Grounded” it will send a (TAP DOWN) message

FYI: if you ground both inputs it will send a (no request) message

The TAP switch you use should be a momentary type switch. It should ground the input only when you have it activated and then return to a open state once you release the button.

This unit is not designed for a shifter button that uses a GM style resistor logic. A GM resistor type would have 1 power wire and 1 output wire that would send different voltage out based on position. We do offer a unit for this application, please check out website for details.

WIRING:

Attach the **PINK** wire to a switched 12 volt source that is hot in the run position.

Attach the **BLACK** wire to a good ground

Attach the **BROWN** wire to a CAN + wire. This can be found at the ECU or the OBD2 connector

Attach the **TAN** wire to a CAN - wire. This can be found at the ECU or the OBD2 connector

SWITCH WIRING:

You will need a single pole double throw momentary switch (Described below) or a combination of two single throw momentary switches.

Attach the **WHITE-BLACK** wire to the “DOWN SHIFT” pole of your switch

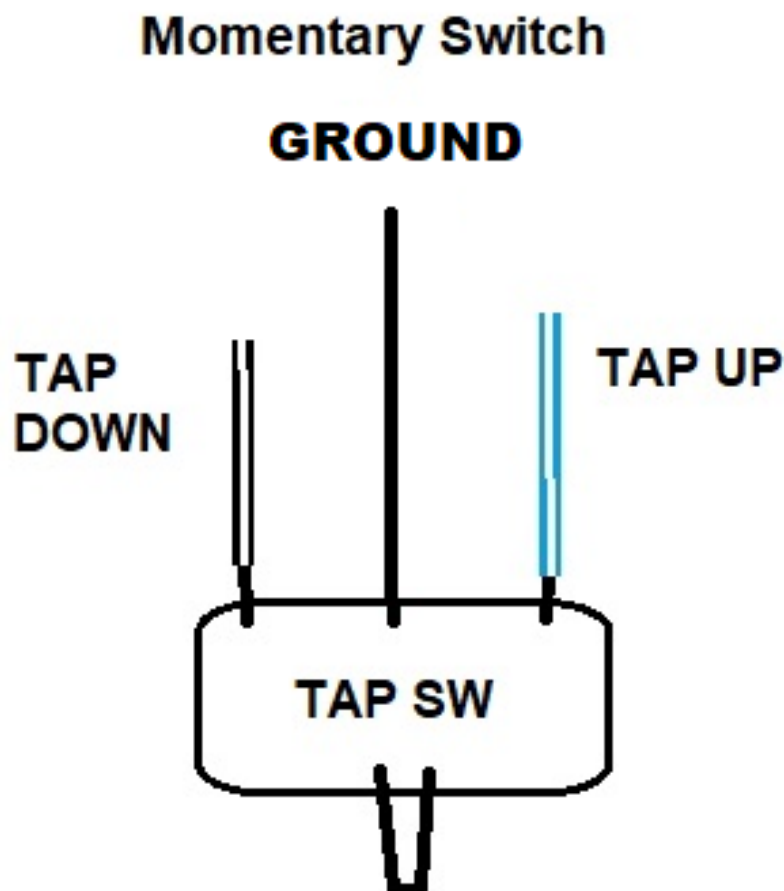
Attach the **WHITE-BLUE** wire to the “UP SHIFT” pole of your switch

Attach a ground wire to the “COMMON” pole of your switch

Proper operation would be neither TAP shift wires are grounded unless the switch is activated.

If the switch is in the “UP” position the **WHITE-BLUE** wire would have ground applied to it.

If the switch is in the “DOWN” position the **WHITE-BLACK** wire would have ground applied to it.



If you are using a GM E38 ECU you can pick up the sw 12 volts, ground, CAN + and CAN - at the X1 connector on the ECU. Diagram is shown below.

GM E38 ECU

