2-2-23

8L90 - 10L90 TAP SHIFT
GEN5 LT E92
REVERSE LAMP

Positive 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
VIOLET	Reverse Lamp Output

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.

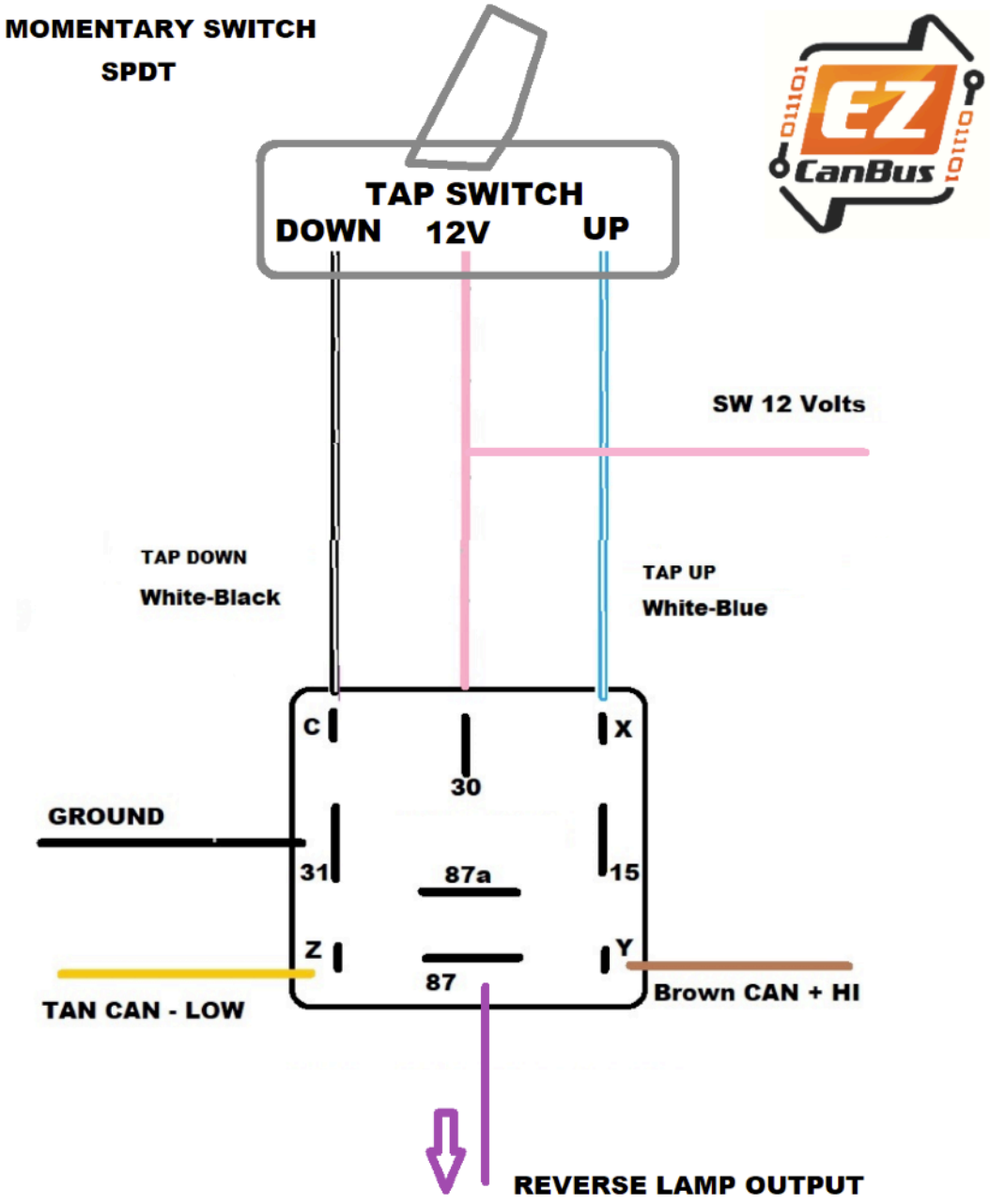
If both TAP inputs are “open” it will send a (no request) message
If the TAP UP input has 12 volts applied it will send a (TAP UP) message
If the TAP DOWN input has 12 volts applied it will send a (TAP DOWN) message

FYI: if you apply 12 volts to both inputs it will send a (no request) message

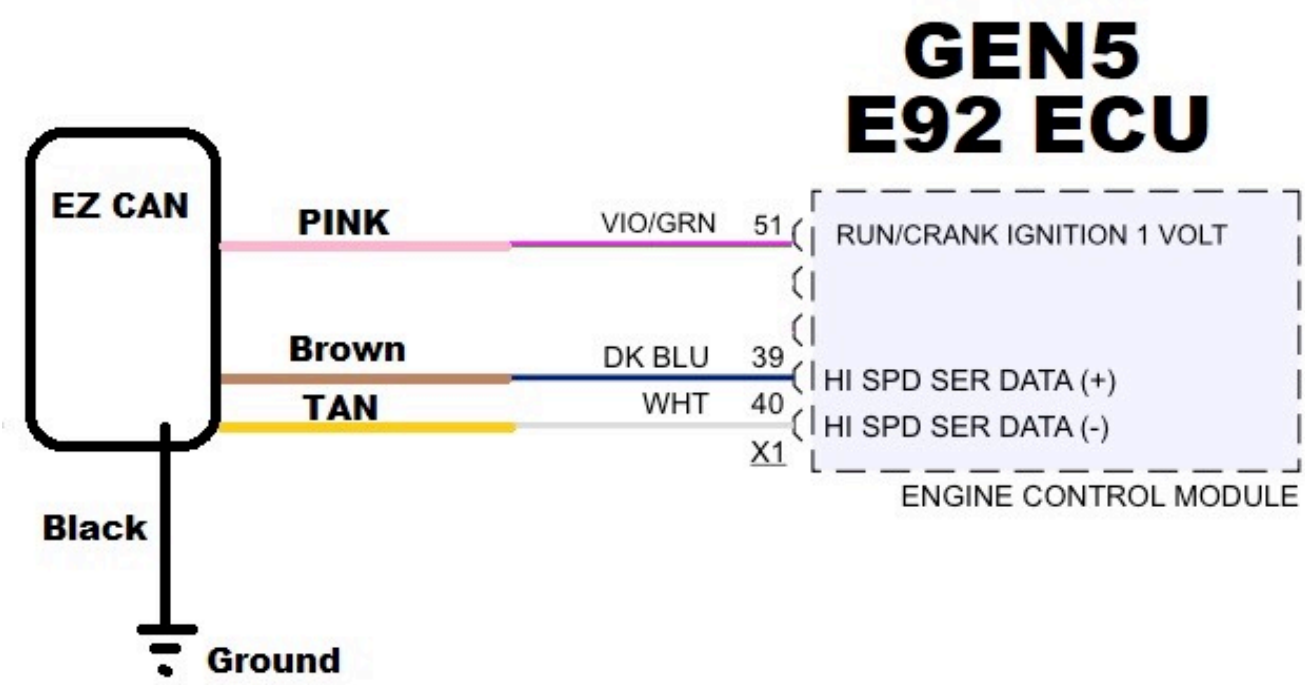
The TAP switch you use should be a momentary type switch. It should power the input only when you have it activated and then return to a open state once you release the button.

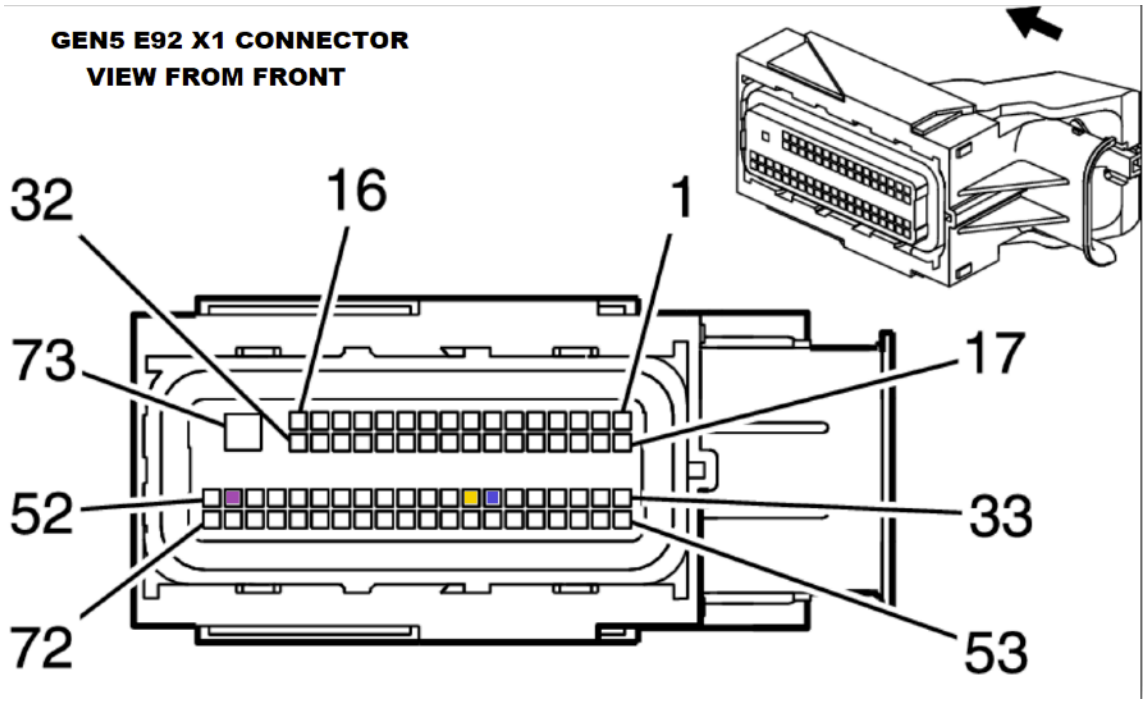
REVERSE LAMP:

When the transmission is in reverse there will be 12 volts on the VIOLET wire. This wire can power your reverse lamps (10 amps max) or power a relay for your reverse lights.


MOMENTARY SWITCH
SPDT
TAP SWITCH
DOWN
12V
UP
SW 12 Volts
TAP DOWN
White-Black
TAP UP
White-Blue
C
X
30
GROUND
31
87a
15
Z
Y
87
TAN CAN - LOW
Brown CAN + HI
REVERSE LAMP OUTPUT

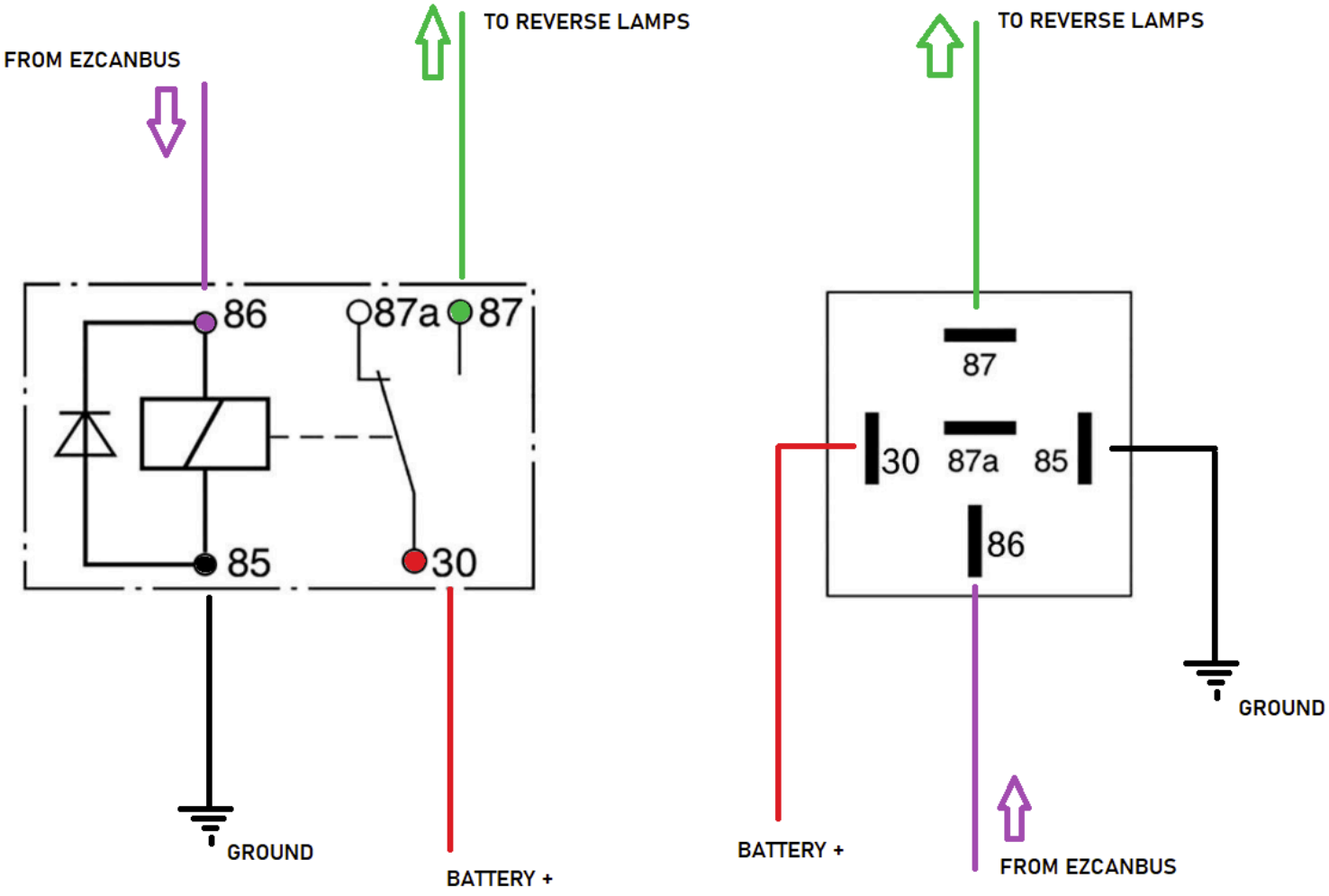
Wire Splicing: You will need to splice our module into a few wires at the GM E92 ECU. You will find the correct wire location in the diagram below. You will need to strip back a little insulation on the ECU side wire and wrap the ezcanbus wire around the exposed area. Then you will want to solder it and cover with electrical tape.





Typical Reverse lamp relay wiring:

We recommend running the reverse lamps off of a separate relay. This moves the load to the relay and not on our module. This will isolate the module and protect it in case the reverse lamps draw too much current or short out.



REVERSE LAMP RELAY WIRING