

REVERSE LAMP

6L80-6L90 GEN4 or GEN5

- Pink** wire to switched 12 volts
- Black** wire to Ground
- Brown** wire to GM CAN+
- Tan** wire to GM CAN -
- Violet** wire to reverse lamp re lay. Will have 12 volts when in reverse.

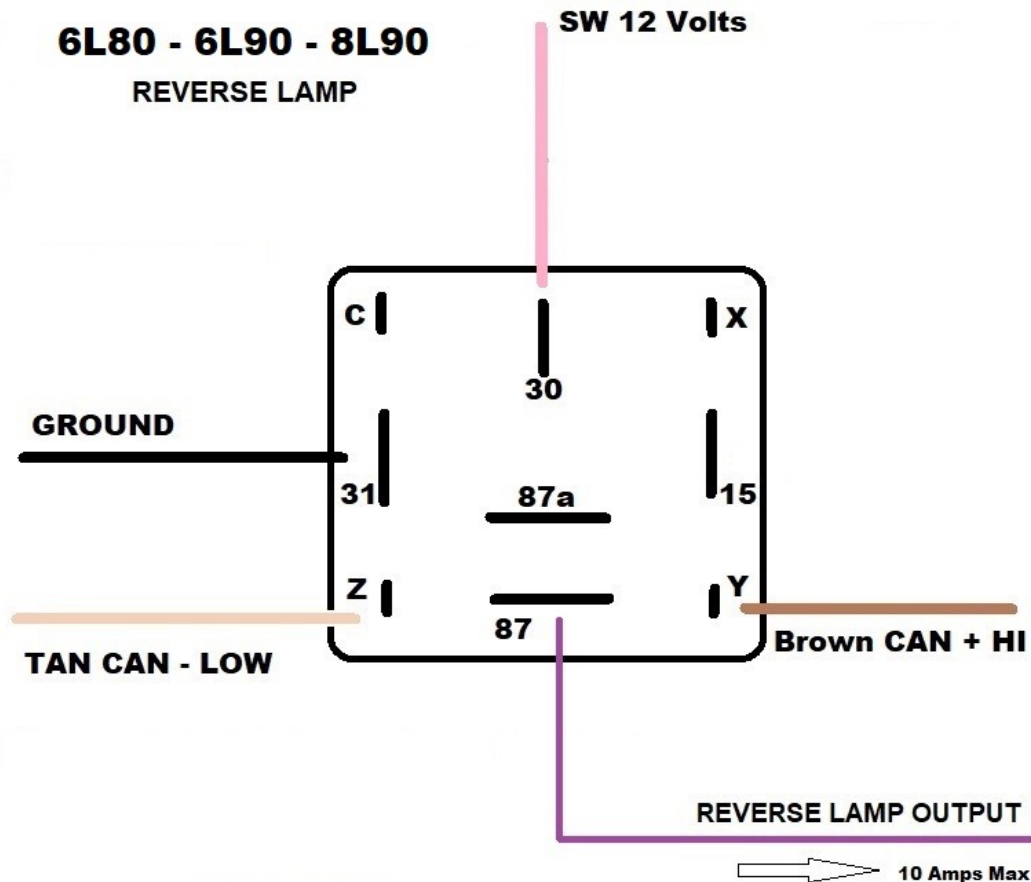


OPERATION:

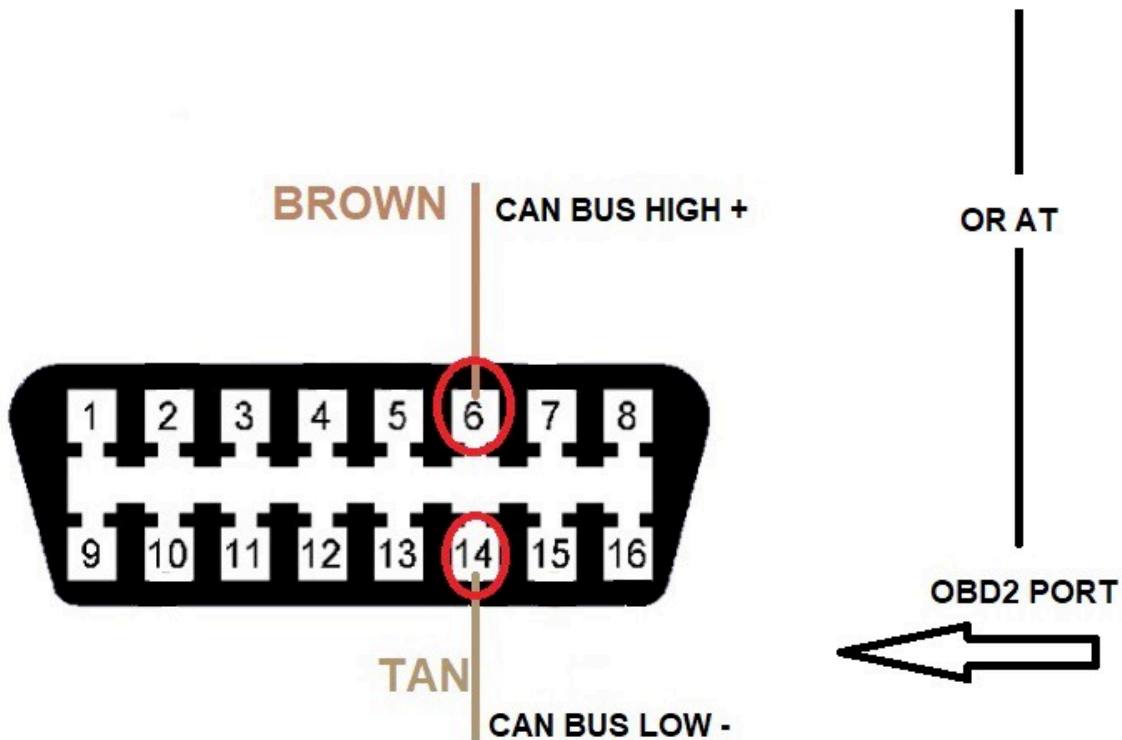
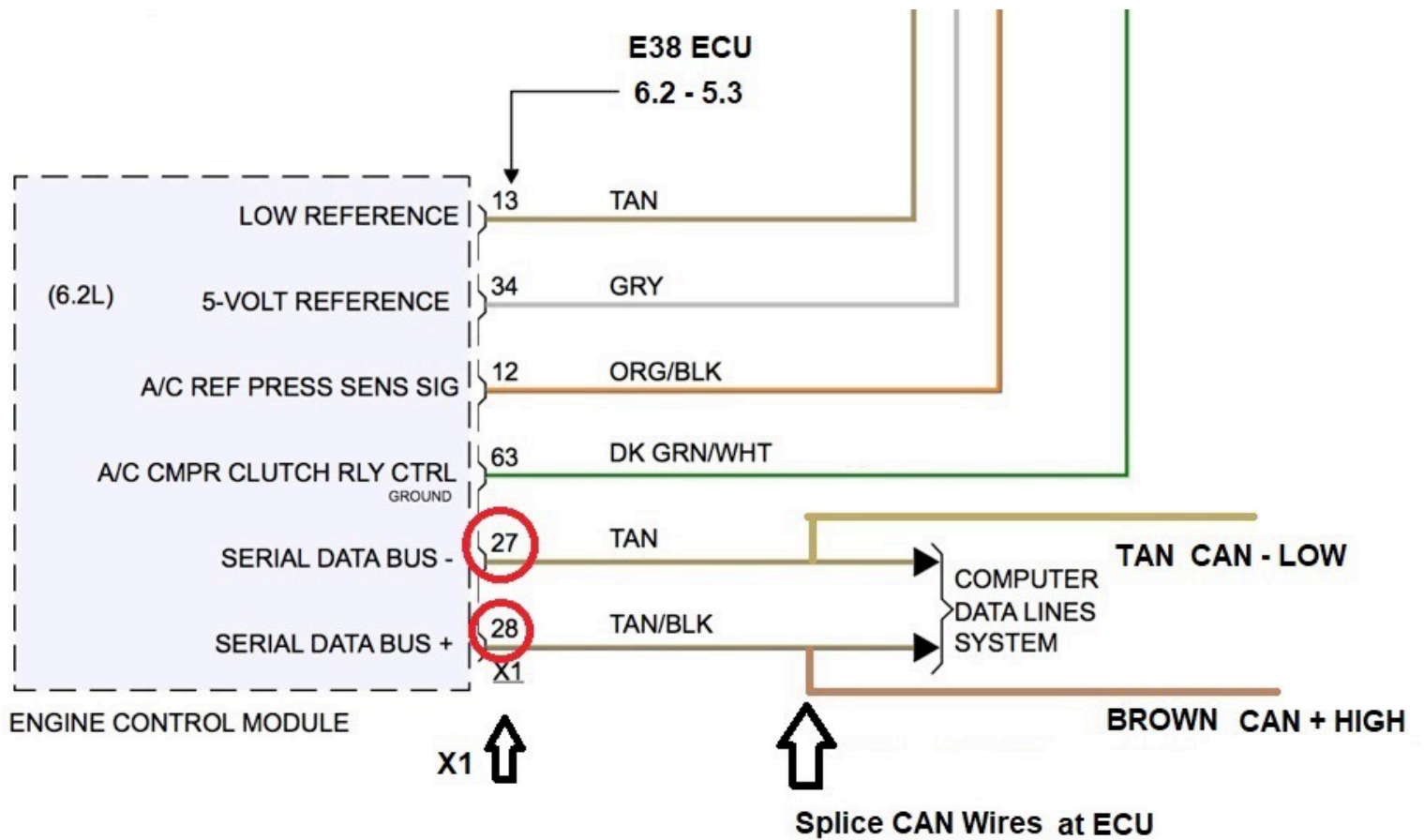
Once the unit is wired in and powered up it will monitor the CAN message from the transmission watching for the reverse position.

When the module receives a *Reverse Position Signal* from the TCM it will send 12 volts out on the **Violet** wire.

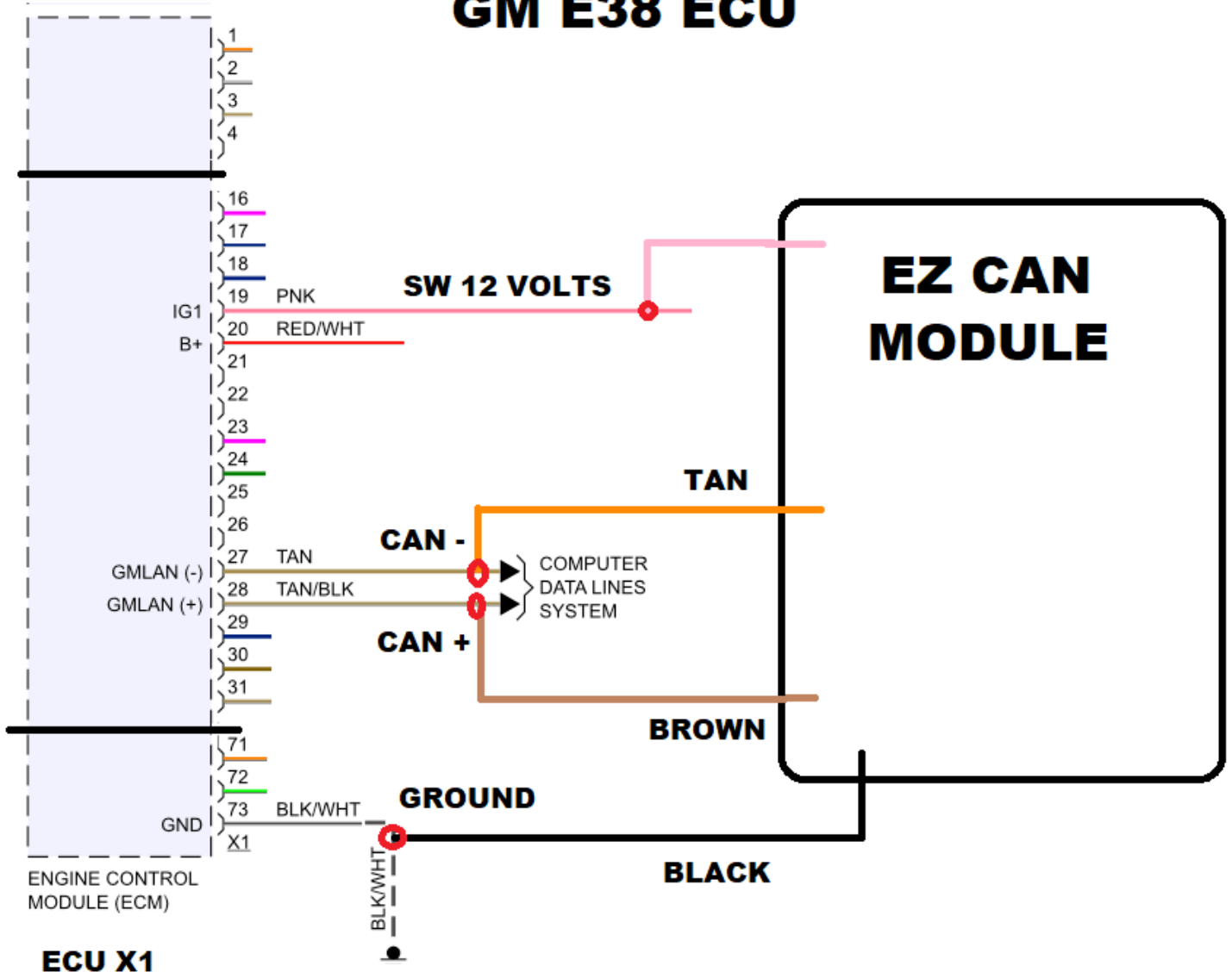
Pin 87 **Violet** wire has a max output of **10 Amps**. If you are running more than 10A worth of light we recommend running them from a separate relay and using our **Violet** output wire to turn on the relay.



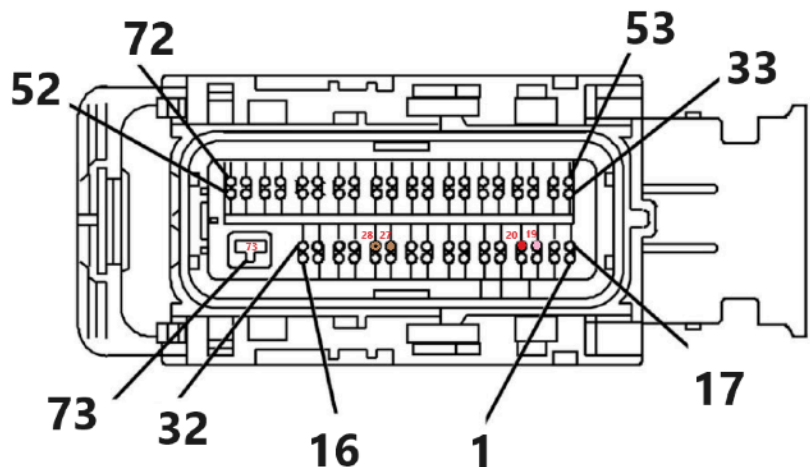
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GM E38 ECU



E38 X1 VIEW FROM REAR



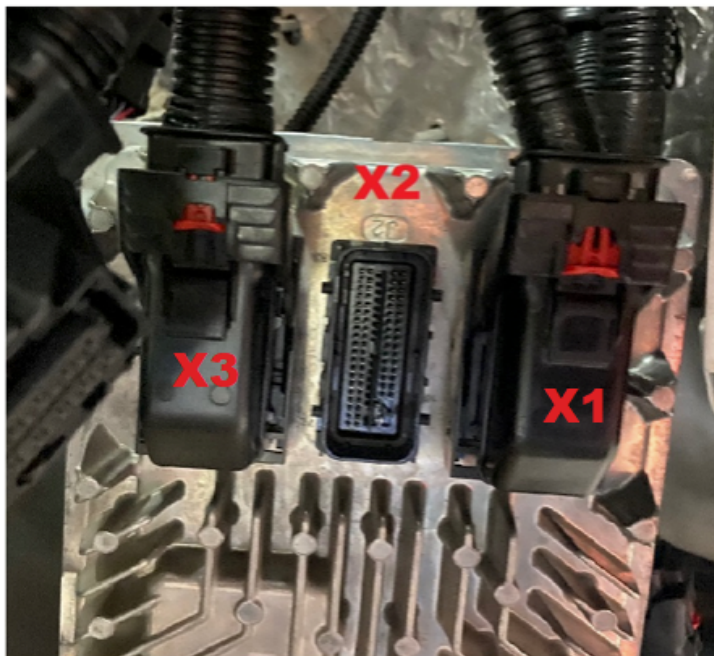
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	5V REF (2)	34	LT GRN/WHT
	APP SENS SIG 2	35	
		36	BLU/BLK
	GMLAN SERIAL DATA (+) (3)	37	WHT
	GMLAN SERIAL DATA (-) (3)	38	WHT
	FUEL TEMP/COMPOSITION SIG	39	DK BLU
X1-39	GMLAN SERIAL DATA (+) (1)	40	WHT
X1-40	GMLAN SERIAL DATA (-) (1)	41	
		42	
		43	
	DATA OUT SIG	44	GRY
		45	
	CHECK ENGINE INDICATOR CTRL	46	BRN/WHT
	BRAKE APPLY SENS SPLY VOLT	47	WHT
	BRAKE APPLY SENS SIG	48	BLU/YEL
		49	
		50	
		51	VIO/LT GRN
X1-51	RUN/CRANK IGNITION 1 VOLT	52	RED/BRN
	BATTERY POSITIVE VOLT	53	BLK/VIO
	APP LOW REF (2)	54	
		55	
		56	
		57	WHT/BLU
	CRUISE/ETC/TCC BRAKE SIG	58	
		59	BRN/YEL
	HIGH SPD COOLING FAN RELAY CTRL	60	YEL/WHT
	FOUR WHEEL DRIVE WHEEL LOCK IND	61	GRY/BLK
	FOUR WHEEL DRIVE LOW SIG	62	VIO/DK BLU
	RELAY FUSED SPLY (2)	63	YEL/BLK
	STARTER ENABLE RELAY CTRL		

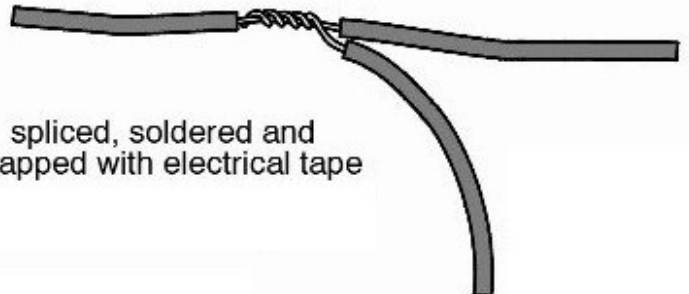
X1 or J1

Wire Splice Locations at E92 ECU

E92 ECU

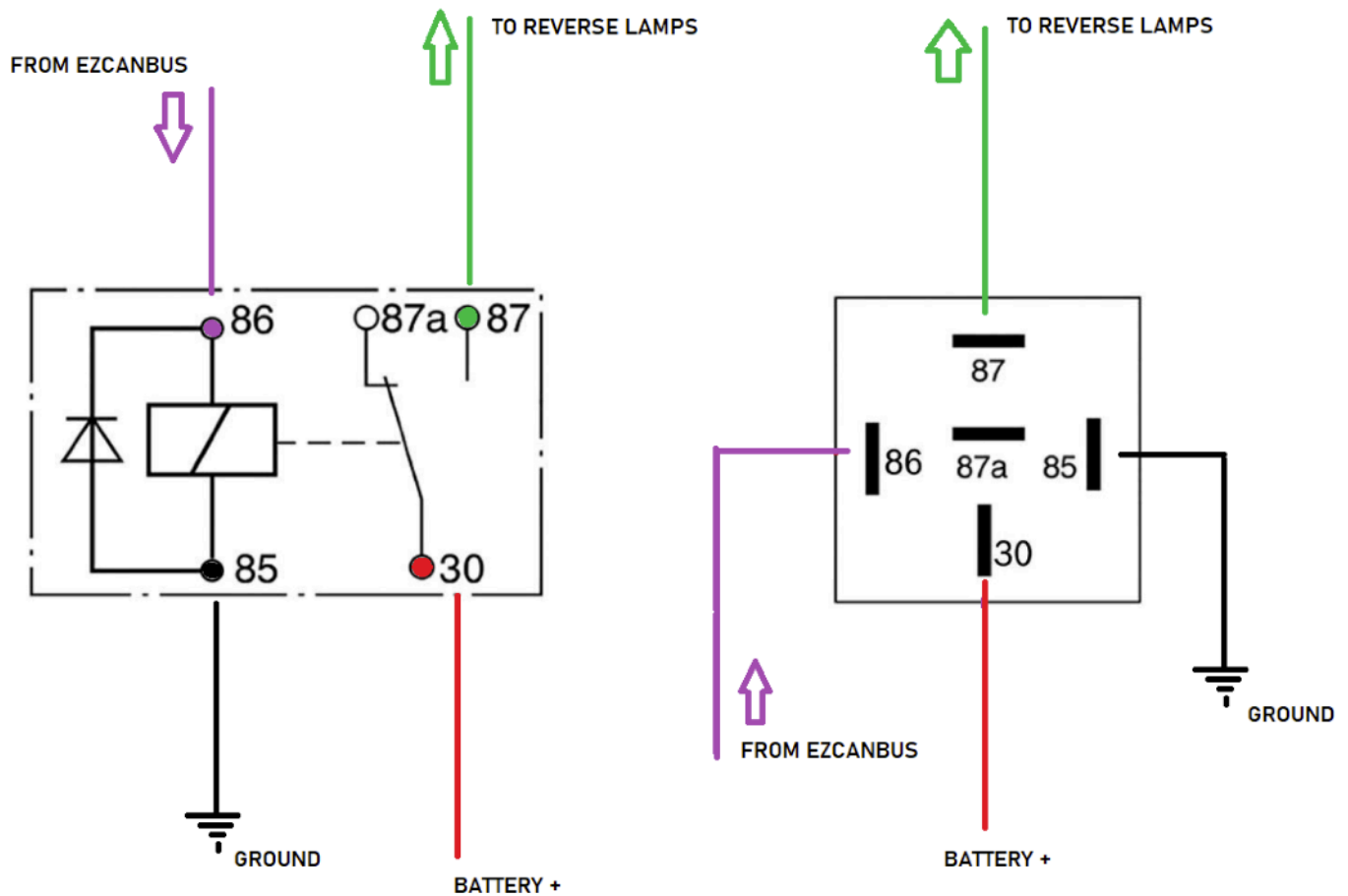


spliced, soldered and wrapped with electrical tape



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