SPEARTECH
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GDI Reverse Light Relay Instructions

Specifications:

- The reverse light relay kit provides a +12V signal to your back up lights.
- The provided Light Green wire is the signal wire and is normally open. This wire will provide +12V when the key is in the on position and the transmission is in Reverse.
- The Pink/Black, Black/White, and Light Green wires are all 18-gauge wires.
- The provided connector house has a mounting tab on the back.
- This unit must be installed in a dry location and is not water resistant.
- This relay is intended to provide a reverse signal when using a 8L90 transmission.
- When possible, all connections should be made with solder and heat shrink.

Table A – Wiring (All loose wires are also labeled)

Wire Color	Label	Function
Pink/Black	Ignition	Connects to a switched and fused +12 volt DC source
Black/White	Ground	Connects to a vehicle ground
Dark BLue	CAN Hi (+)	Connects to a CAN + signal from engine harness (OBD2 port position 6)
White	CAN Lo (-)	Connects to a CAN – signal from engine harness (OBD2 port position 14)
Light Green	Reverse Light	Connects to the positive side of your reverse light bulb

Installation:

- Disconnect the negative battery terminal.
- Connect the black wire to a suitable chassis ground.
- Connect the Pink/Black 18-gauge wire to a fused and switched +12V ignition source. A 5-10 AMP fuse should be sufficient. The vehicles existing fuse block is typically a good place to tie into.
- Connect the Dark Blue wire to the wire in position 6 of your diagnostic port. You will need to splice in our Dark Blue wire to position 6 of the OBD2 port. The existing wire in your diagnostic port is Dark Blue on Gen V engine harnesses.
- Connect the White wire to the wire in position 14 of your diagnostic port. You will need to splice this wire into the existing wiring of your diagnostic port. The existing wire in your diagnostic port is typically White on Gen V engine harnesses.
- Connect the Light Green wire to the positive side of your chassis reverse light harness.
- Reconnect the negative battery terminal.

Relay output is 18awg and works fine for most LED reverse light bulbs. If using incandescent bulbs then a relay maybe needed that can support the amperage of your bulb.