

INSTALLATION INSTRUCTIONS

Radio Power-Off Delay – Part Number 12005

Congratulations on your purchase of this Radio Power-Off Delay. Adding this controller to your radio power supply line will enhance your vehicle experience. Whenever the switched power line is on, the radio power will be on, but once the switched power is turned off, the radio power remains active until a door is opened or 15 minutes passes. Installation of this unit will require you to know how your radio is wired into your vehicle harness or the patience to figure it out. Installation may be easier if you have access to a digital voltmeter.

Parts Included in this Kit

1-Controller Unit	1-Small crimp ring
2-T-tap	2-Male 1/4" Connector
2-Zip-ties	2-Female 1/4" connector

Mounting the Unit

The Radio Power-Off Delay may be mounted in any location where the electrical connections are easily accessible. Mounting in a weatherproof location is recommended. Use two self-tapping screws, rivets, or zip-ties through the mounting tabs to securely mount the unit.

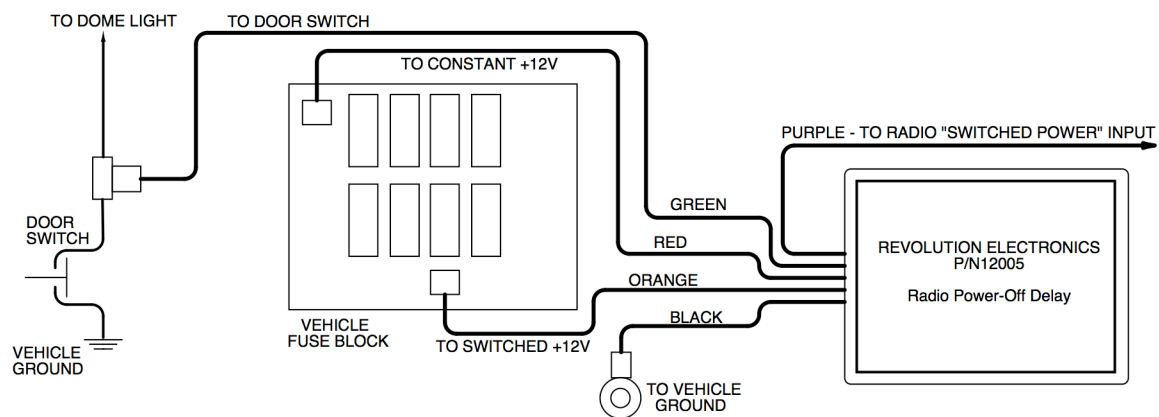


Figure 1

Electrical Connections

The Radio Power-Off Delay needs connections to constant power, switched power, the radio power lead, the dome light ground wire (to sense when a door is opened), and a main ground lead. Figure 1 shows a basic schematic of how the unit should be wired.

Red Wire Connect this wire to a CONSTANT power source. This wire must have battery voltage at all times (even when the key is off). The supplied female connector can be used to attach this wire to a switched 12v source on the fuse box. This is where the radio will now be getting power.

Black Wire Connect this wire to a good vehicle ground. The small ring terminal can be used to attach this wire to a mounting bolt or another source of vehicle ground.

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Orange Wire Connect this wire to a switched power voltage source. Voltage to this wire needs to turn on and off with the ignition key.

Green Wire Connect this wire to the door switch lead. This wire senses the door opening. Attach the supplied T-tap connector to the wire running from the door switch up to the dome light. Next attach the insulated male connector to the end of the green wire and insert into the T-tap. Voltage to this wire should read +12V when the door is closed (dome light off) and 0V when the door is open (dome light on.) Typically, this wire is either white (GM) or yellow (Mopar), but check voltages to be certain.

Purple Wire Connect this wire to the radio power lead. This wire will get power from the red wire whenever the radio is to be turned on. If the radio power lead has a female terminal to plug into the fuse box, a female terminal can be crimped to this purple wire to make installation easier. The controller contains an internal resettable 7.5A fuse to limit the current on the purple wire. If the fuse should trip, resetting the fuse is a simple matter of turning off power for a few seconds. If additional current is needed, you can use the purple wire to power a relay.

Trouble Shooting:

Radio doesn't power up:

- make sure the red wire is connected to +12V
- make sure the black wire is connected to a good ground
- Check for +12V on the purple wire when the ignition key is on
- Check that the purple wire is connected to the correct "Switched power" input wire on the radio

Radio shuts off immediately when key turned off:

- Green wire not connected to the correct wire to the door switch; It should show +12V with the door closed and 0V with the door open.
- Red wire not connected to a constant +12V power source.

Radio doesn't shut off when door opened

- Green wire not connected to the correct wire from the door switch; it should show +12V when the door is closed and 0V when the door is open

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