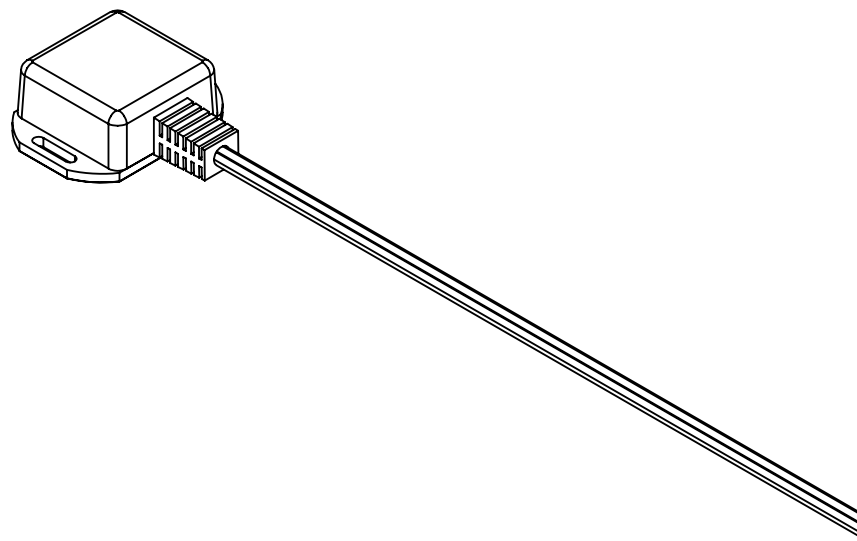


## WIRING SUMMARY

PARKING LAMP FLASHER WIRE...	CONNECTED TO...
Black	Vehicle body ground
Red	Continuous, unswitched power source (+12v)
Orange	Orange wire in ECU harness
Brown	Wire FROM parking lamp switch
Purple	Wire TO parking lamp

# PARKING LAMP FLASHER



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## PARKING LAMP FLASHER – DESCRIPTION

The Parking Lamp Flasher (PLF) is an electrical relay that is connected to the parking light and parking light controls as part of an ALCOLOCK alcohol interlock system. It is necessary in jurisdictions which require the vehicle lights to flash when the driver is late in providing a requested breath alcohol test while operating their vehicle. It is available in a positive [+] and a negative [-] version to accommodate the electrical systems of all vehicles.

## INTRODUCTION

This manual provides instructions for the connection of the Parking Lamp Flasher (94-001961 [+] or 94-001960 [-]), used for installation with ALCOLOCK alcohol interlock devices in certain jurisdictions.

### ATTENTION!

- This guide is intended for authorized service technicians only
- This guide is intended for use with an ALCOLOCK device installation manual
- Ensure vehicle is in park (or neutral with parking brake engaged) and there is sufficient ventilation for vehicle exhaust
- Ensure vehicle engine is off before installing Parking Lamp Flasher
- Do not connect Parking Lamp Flasher until vehicle electrical system is inspected
- Do not connect ALCOLOCK auto cable to ALCOLOCK device until all wiring is complete and visually verified
- ALCOLOCK device, Parking Lamp Flasher and all cabling must not obstruct vehicle operation
- Keep ALCOLOCK device, Parking Lamp Flasher and all cabling away from components that move or that may become excessively hot
- Use existing hardware and holes where available to minimize vehicle modification
- All wire connections must be soldered, taped and sealed only after ALCOLOCK device is installed and verified
- Do not use butt or clip connectors to seal wiring, as this may lead to corrosion and intermittent power/function

## ACS PARTS

- Positive [+] Parking Lamp Flasher (94-001961) or
- Negative [-] Parking Lamp Flasher (94-001960)
- Tie wrap (26-000026)
- Heat shrink (79-000251)
- Tamper proof label (65-000070)

## CONNECTION STEPS

1. To determine which Parking Lamp Flasher (PLF) to use, cut the wire coming from the vehicle's lamp switch and use a multimeter to determine if it is positive or negative. If it is positive, use the positive PLF (94-001961); if negative, use the negative PLF (94-001960).
2. Strip 1-2 cm off the wire ends of the PLF. Fit heat shrink (94-000251) over the purple, orange and brown wires.
3. With the vehicle ignition OFF, solder a ring terminal to the end of the black ground wire, and then connect it to a vehicle body ground.
4. Use a tamper proof screw (45-000054) to connect the ring terminal to a vehicle ground point.

**ATTENTION!** *It is important that the ALCOLOCK device is installed and verified before any connections are soldered, taped and sealed.*

5. Twist the end of the PLF red wire to a stripped section of the unswitched continuous power source (+12V) in the vehicle main harness. Do not cut the power source wire.
6. Connect the PLF orange wire to the orange wire in the ECU harness.
7. Connect the PLF brown wire to the end of the lamp switch wire coming FROM the vehicle lamp switch.
8. Connect the PLF purple wire to the end of the lamp switch wire going TO the parking lamp.

**ATTENTION!** *Do not continue to the next step until:*

- **Completing all ALCOLOCK auto-cable wiring connections**
- **Testing the installed ALCOLOCK device to ensure it works correctly**

9. Solder and apply electrical tape (3M brand or equivalent) to all wiring connections, except for the vehicle ground.
10. Seal the heat shrink around connections of the PLF orange, brown and purple wires.
11. Wrap tamper proof label over the PLF red wire connection.
12. Place tamper proof label over black wire ring terminal ground point.
13. Secure the PLF and harness to the main vehicle and ECU harness using tie wraps. Make sure it will not obstruct any parts or function of the vehicle.

**Parking Lamp Flasher installation is complete**