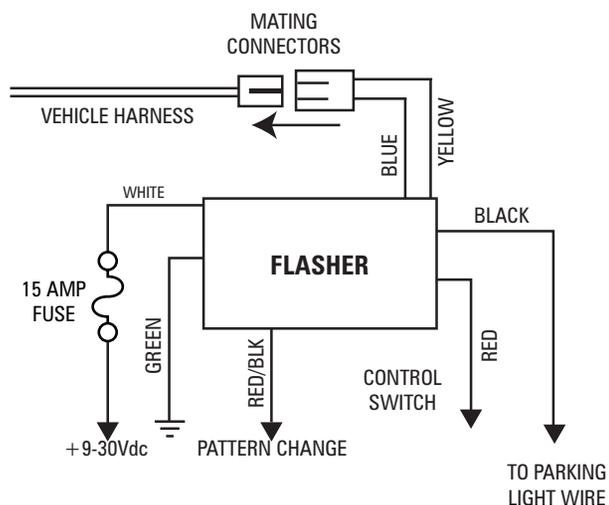


FORD CROWN VICTORIA POLICE INTERCEPTOR SELECT-A-PATTERN PLUG-IN HEADLIGHT FLASHER (2006 and NEWER)

ETHFSS-CV



Important Information:

- NOTE: Do NOT use on 2005 and older vehicles. Use flasher #ETHIFP0 ONLY.

Please see reverse for Technical Specifications



To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product please visit our website at www.soundoffsignal.com and select the "Warranty & Returns" link along the left column of our home page. If you have questions regarding this product please contact Technical Services, Monday - Friday, 8 am to 5 pm at 1.800.338.7337, press #4 to skip the automated message. Questions or comments that do not require immediate attention may be emailed to techsupport@soundoffsignal.com.

1.800.338.7337. / www.soundoffsignal.com / Thank you for trusting us with your safety!

Congratulations! You are now the proud owner of the most technically advanced true 100% Solid State Selectable Pattern Headlight Flasher System in the market today. Add to it our never ending commitment to quality, when properly installed this new Flasher System will provide you with years of dependable trouble free service.

When used at night, the low beam headlights remain ON for proper illumination while the high beams flash to gain attention and increase the vehicle's visibility. When the dimmer switch is activated to high beam, the flasher system's "High beam over-ride" interrupts the flasher sequence to allow normal high beam function. Flashing automatically resumes when the dimmer switch is de-activated.

Note:

Flashing Headlight and Taillight Systems are intended for approved vehicles only. The user of this system is responsible to ensure compliance to any Federal, State or Municipal regulations, which may apply.

Mounting:

The enclosed headlight flasher has been designed to be water resistant. However, to ensure years of trouble free operation of the flasher system, it should be mounted in a location that is protected from direct water spray and high temperatures.

Electrical Installation:

1. Locate the 3 pin connector in front of the radiator under the cross brace.
2. Remove the loop connector and store for future use if flasher is ever removed from vehicle.
3. Carefully route the 2 wire harness (YELLOW and BLUE WIRES) with the connector to the vehicle's mating connector making sure the harness will not interfere with the moving vehicle components and will not get damaged in field operation. Connect flasher with mating vehicle connector.
4. Connect the GREEN WIRE to a reliable ground, preferably close to ground post of battery.
5. Connect the WHITE WIRE to a +8-30Vdc power source capable of providing 12Amps through a 20A fuse.

WARNING:

DO NOT USE A CIRCUIT BREAKER, FUSIBLE LINK, OR SLOW BLOW TYPE FUSE.

6. Connect the RED WIRE to a powered switch through a user supplied 1 amp fuse.

7. (Optional) If an "Automatic Night time Flasher Disable" is required (check with state and municipal regulations) simply "T" tap the black wire into the parking/marker light wire. This feature will disable the flasher whenever the parking/marker lights are turned ON.

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ELECTRICAL SPECIFICATIONS	
Input Voltage:	8-30Vdc
Output Current:	9.5 Amps / output
Standby Current:	< 10mA
Number of Flash Patterns:	7

Flash Patterns	
Flash Pattern Sequence	F.P.M. (Flashes per Minute)
1. RoadRunner™	115 f.p.m.
2. PowerPulse™	180 f.p.m.
3. ETM™	215 f.p.m.
4. Double Flash	50 f.p.m.
5. Q-Switch™	Multi-Pattern
6. Cycle Flash	Multi-Pattern
7. Single Flash	56 f.p.m.

Final System Check:

1. Verify Headlight Flasher properly flashes headlights when 8-30Vdc is applied to RED wire.
2. With Flash ON, turn High beam switch ON and verify both high beam headlights turn ON steady.
3. If NTCO is required: With Flash ON, turn parking / marker lights ON and verify Flasher does not function.

Troubleshooting:

Symptom:

No Operation

Interference with Radio equipment

Flasher stops functioning when marker lights are turned ON

Headlights turn ON for short time then OFF for a couple of seconds and repeats

Solution:

Verify fuse is not open.
Verify voltage of 8-30Vdc is present on WHITE wire and RED wire.

Verify power and ground wires are not connected to same circuit as radio equipment. Connect ground wire as close to ground terminal of battery as practical.

NTCO (Night Time cut-off) wire is connected to parking / marker lights. If flashing of headlights is allowed at night, remove NTCO wire from marker light wiring.

Over-current shutdown of the flasher has detected too much load on the flasher. Verify a maximum of 2-55Watt lamps are connected to each output.

Flash Pattern Selection:

To change the pattern, momentarily touch RED/BLK WIRE to ground. The pattern will change each time RED/BLK WIRE is touched to ground.

Once the pattern is selected, the flasher will retain the selected flash pattern.

