

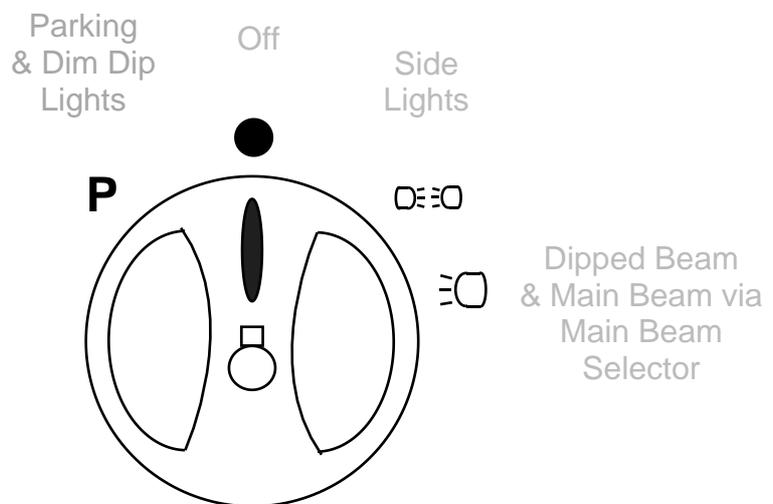
# Functional Overview of the Ford Scorpio 95+ Headlights

## Introduction

The 95+ Scorpio, utilises standard automotive headlamp technology. H1 Halogen 55W lamps are used for the Dipped Beam and Main Beam illumination. And standard filament lamps are used for the side lights.

The Head lighting system contains 6 lamps, 3 per side.

1. *Dipped Beam*
2. *Main Beam (& Headlight Flasher)*
3. *Side lamps/Parking Lights/Dim dip Running Lights (Pre facelift models only).*

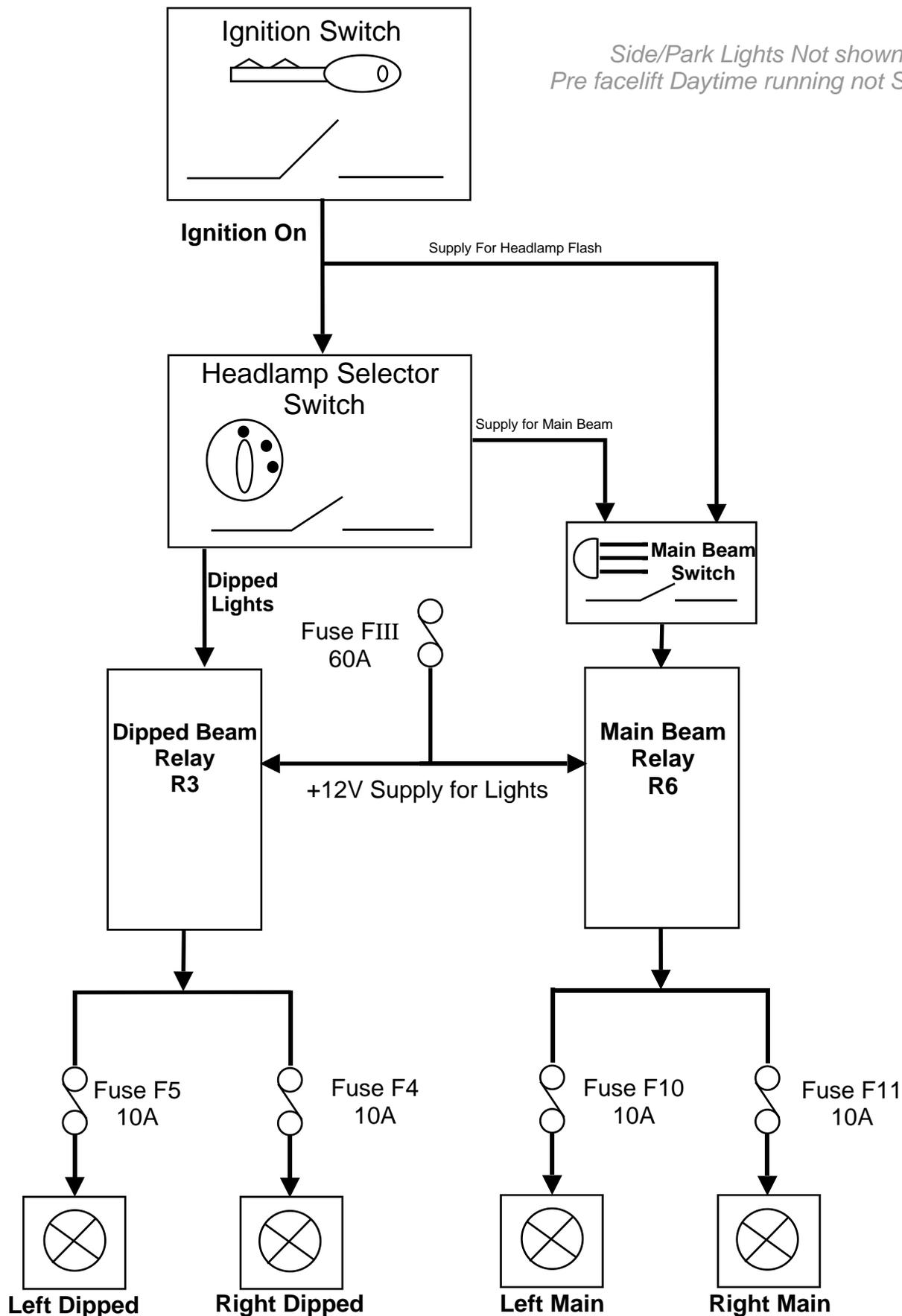


## Changing Halogen Lamps

When fitting replacement or upgraded headlamp bulbs, its important that no grease from the fingers is allowed to contaminate the glass envelope of the bulb. Grease will cause hot spots, resulting in black marks and premature failure of bulbs due to overheating. If you touch the glass envelope, use methalated spirits or IPA cleaning fluid to fully remove any grease reside.

Refer to [www.fordscorpio.co.uk/headlighttech.htm](http://www.fordscorpio.co.uk/headlighttech.htm) and [www.fordscorpio.co.uk/Headlights.htm](http://www.fordscorpio.co.uk/Headlights.htm)

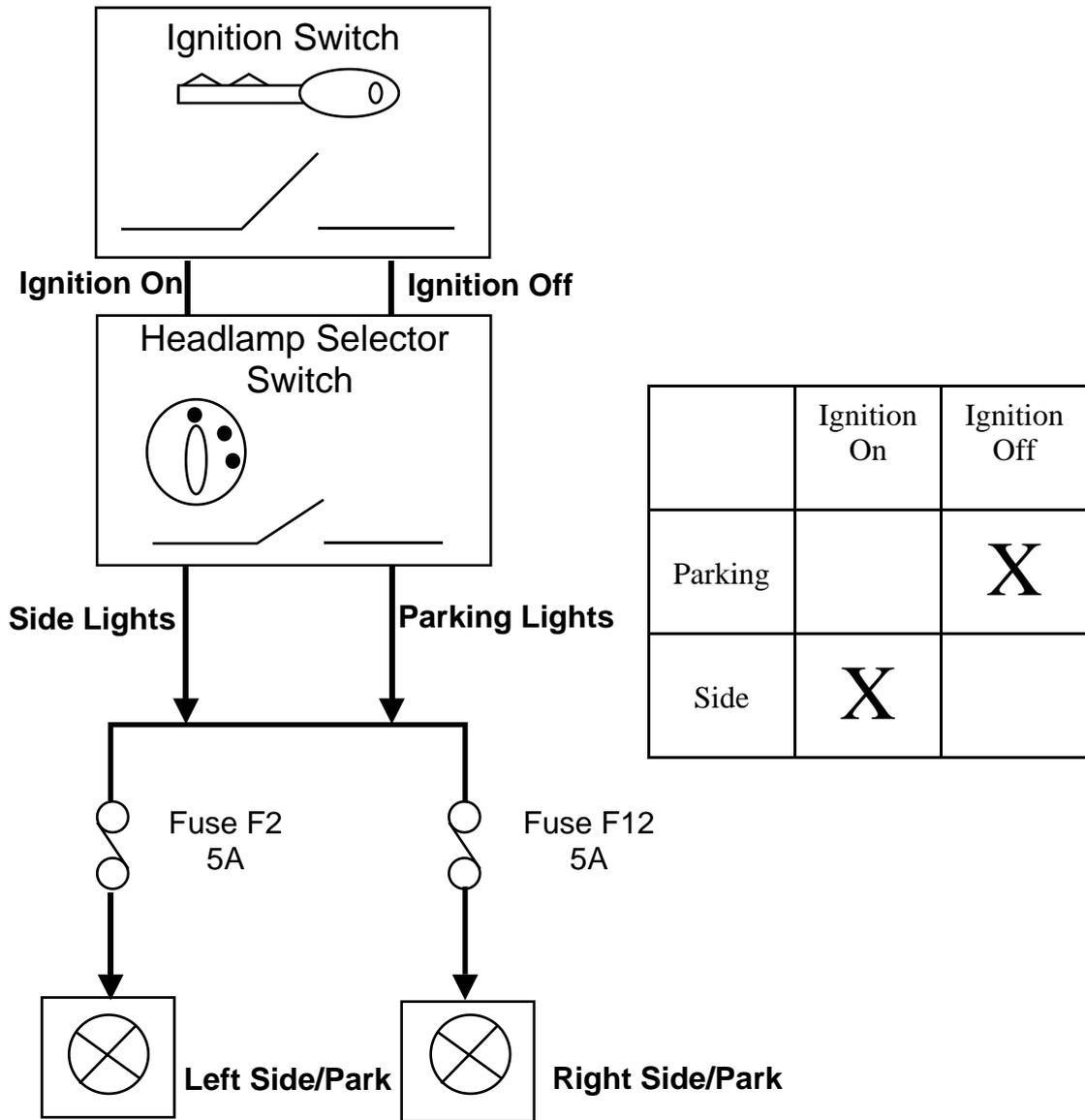
### Main & Dipped Beam Overview



*Side/Park Lights Not shown  
Pre facelift Daytime running not Shown*

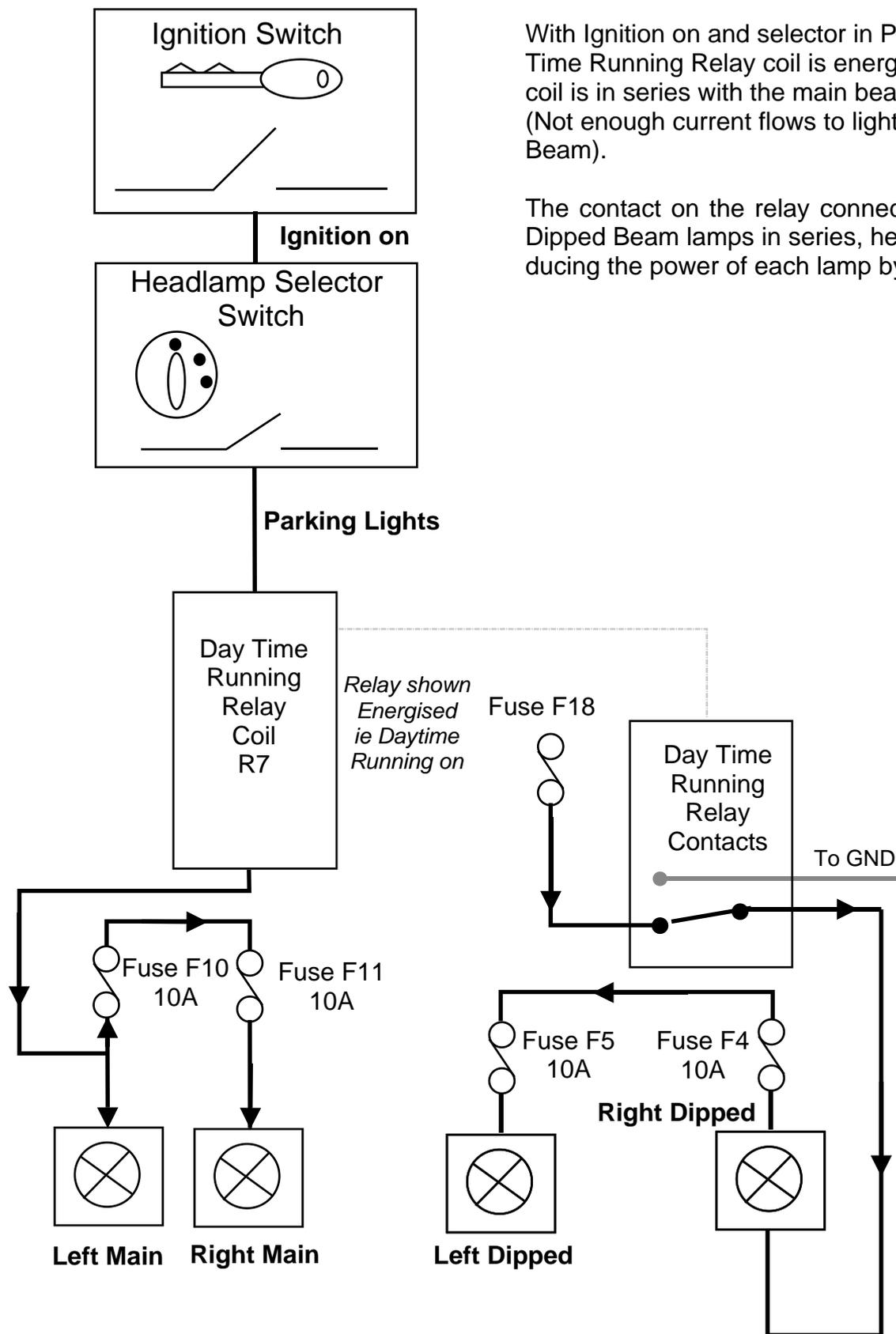
*Simplified overview of Scorpio Headlights (Side/Park lights not shown).*

## Side & Park Lights Overview



*Side & Park Lamps*

## Pre Facelift Daytime Running Lights



With Ignition on and selector in P, the Day Time Running Relay coil is energised, the coil is in series with the main beam lamps. (Not enough current flows to light the Main Beam).

The contact on the relay connects the Dipped Beam lamps in series, hence reducing the power of each lamp by half.

*Pre facelift (prior 04/97) Daytime Running lights*

## Wire Identifications

| Description     | Wire          |
|-----------------|---------------|
| Left Dipped     | VIOLET/ORANGE |
| Right Dipped    | VIOLET/WHITE  |
| Left Main       | VIOLET/BLACK  |
| Right Main      | VIOLET/ORANGE |
| Left Side/Park  | ORANGE/BLUE   |
| Right Side/Park | ORANGE/GREEN  |

## Faults

### Failure of a Lamp to Illuminate

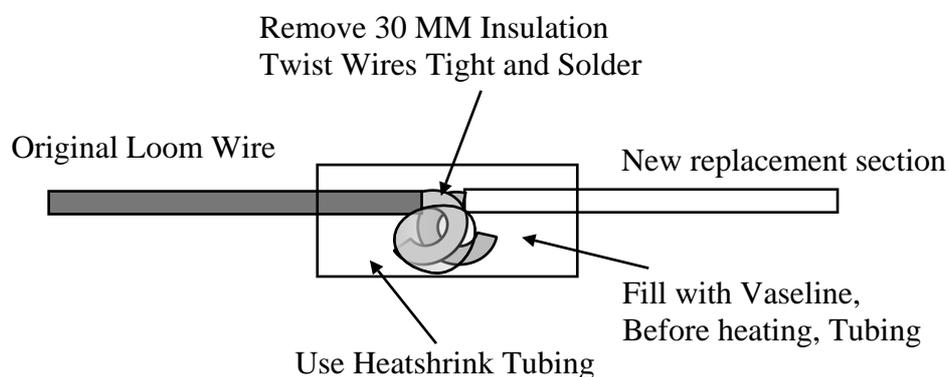
1. Faulty Bulb, check visually or with DMM.
2. Bad connection on Multi Pin plug to Headlamp Unit, check clean and reseal.
3. Activated Fuse in relevant circuit, replace fuse, check visually for damaged wiring loom, then retry. See [www.fordscorpio.co.uk/fuseboxes.htm](http://www.fordscorpio.co.uk/fuseboxes.htm)
4. Faulty associated Relay, replace Relay.
5. Wiring Loom Open Circuit fault, investigate loom for damage and repair appropriately.
6. Fuse Box fault, see [www.fordscorpio.co.uk/fusebox.htm](http://www.fordscorpio.co.uk/fusebox.htm)
7. Faulty Headlamp Selector Switch or associated wiring Loom.

### Lamps will not Turn Off

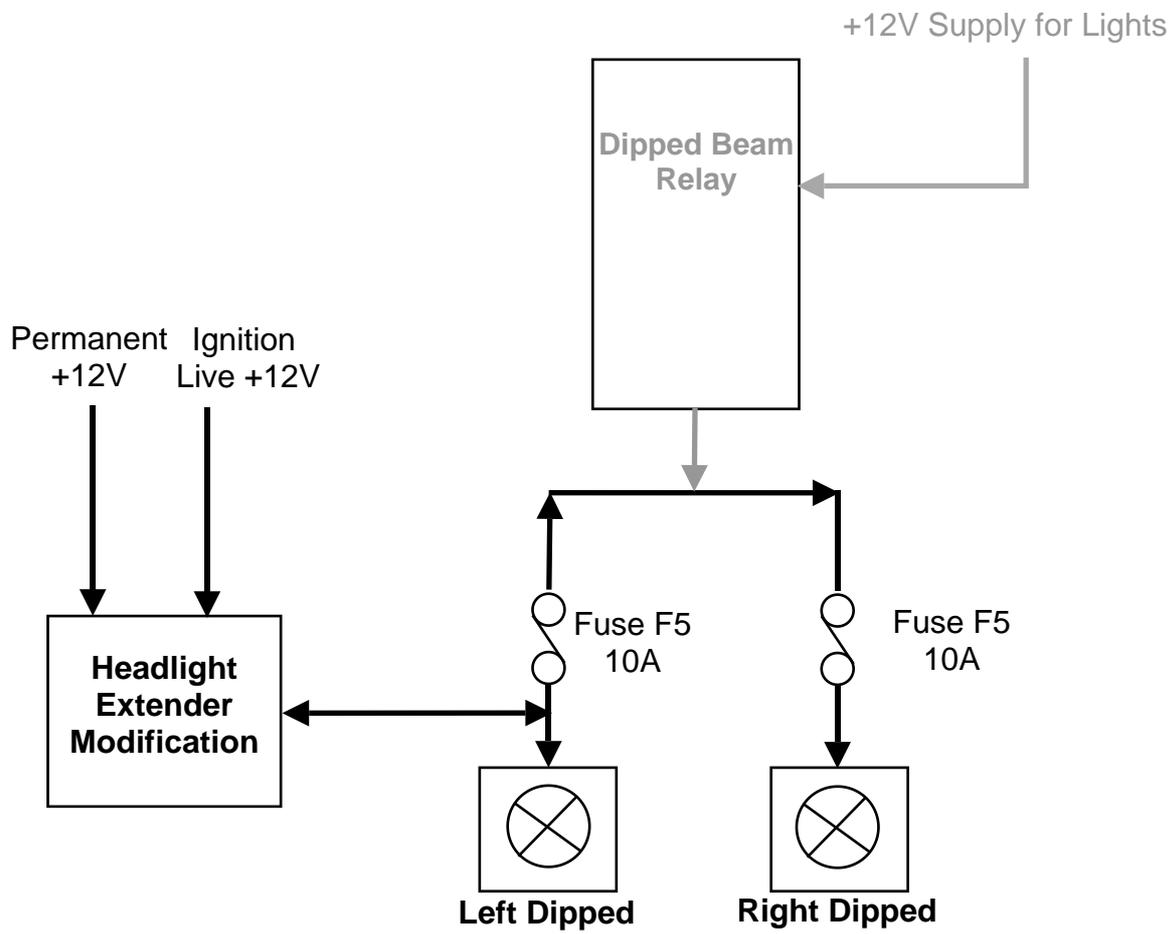
1. Wiring Loom Short Circuit, inspect loom and repair appropriately.
2. Short in Fuse Box, see [www.fordscorpio.co.uk/fusebox.htm](http://www.fordscorpio.co.uk/fusebox.htm)

## Loom Repairs

If Loom damage is found, it may be possible to make a localised repair. Remove the outer insulation Tape from the damaged area, then cut out the faulty wiring, then follow



## Automatic Headlight Extender Modification



*Headlight extender modification ([www.fordscorpio.co.uk/hlmod.htm](http://www.fordscorpio.co.uk/hlmod.htm))*