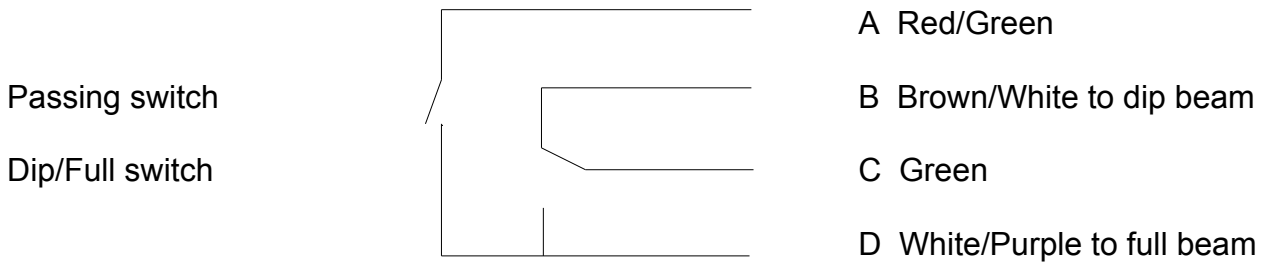


Dipped lamp always on mod for X9 250 EVO

(may not apply to other models)

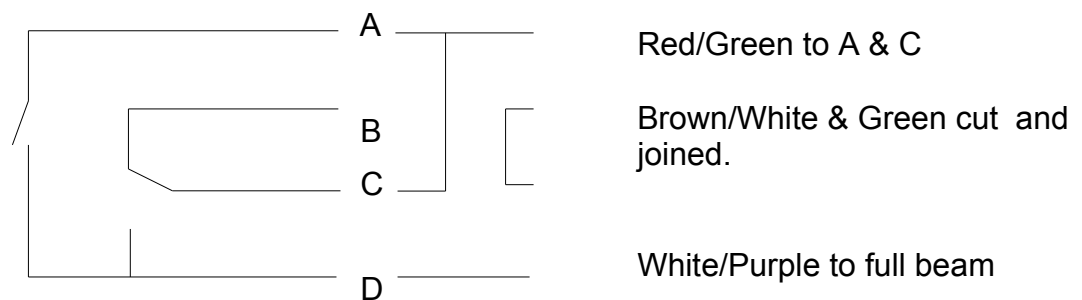
I thought I'd try to investigate the headlamp switching. The switch is actually two switches:



The Green wire is evidently what would have been enabled by the now missing light switch, and the Red/Green is merely ignition controlled. If there are light relays, these are only for ignition control of these two feeds, as the current (engine not running) is nearly 4A for each lamp through the switch.

A diode can be used between any of A, C or D to B (cathode to B) so that the dipped beam is always on, however a fairly hefty diode is needed so as not to generate excessive heat. I'd suggest at least a 10A diode.

Alternatively, the wires to B and C can be cut, joined and insulated, and the feed to A also paralleled to C. This ensures the dipped beam is always on, and the switch merely turns on the full beam either latched or momentarily.



This is what I've done, and it works well.