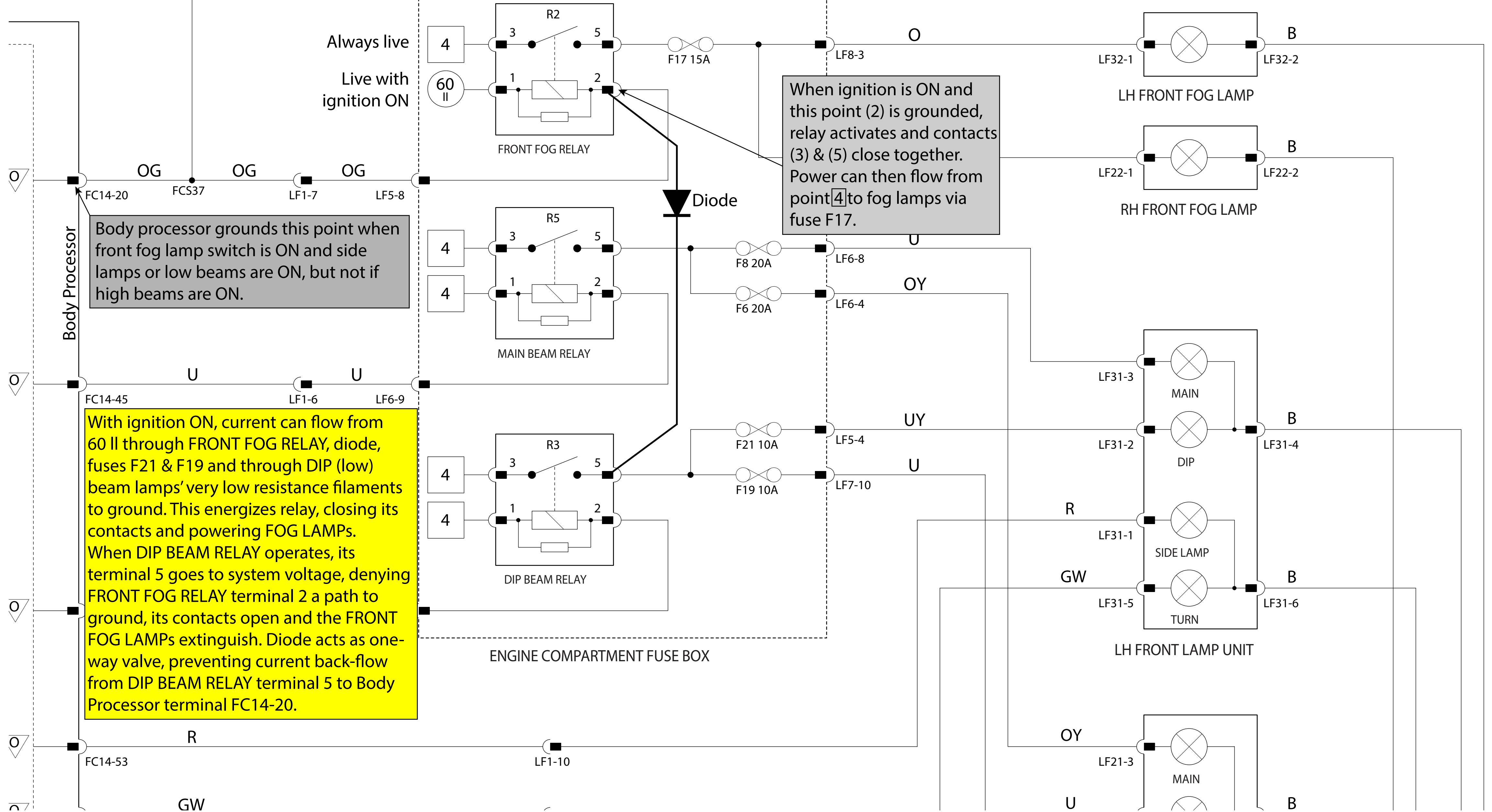


Fog Lamps Switched Via Low Beams



Always live
Live with ignition ON

Body processor grounds this point when front fog lamp switch is ON and side lamps or low beams are ON, but not if high beams are ON.

With ignition ON, current can flow from 60 II through FRONT FOG RELAY, diode, fuses F21 & F19 and through DIP (low) beam lamps' very low resistance filaments to ground. This energizes relay, closing its contacts and powering FOG LAMPS. When DIP BEAM RELAY operates, its terminal 5 goes to system voltage, denying FRONT FOG RELAY terminal 2 a path to ground, its contacts open and the FRONT FOG LAMPS extinguish. Diode acts as one-way valve, preventing current back-flow from DIP BEAM RELAY terminal 5 to Body Processor terminal FC14-20.

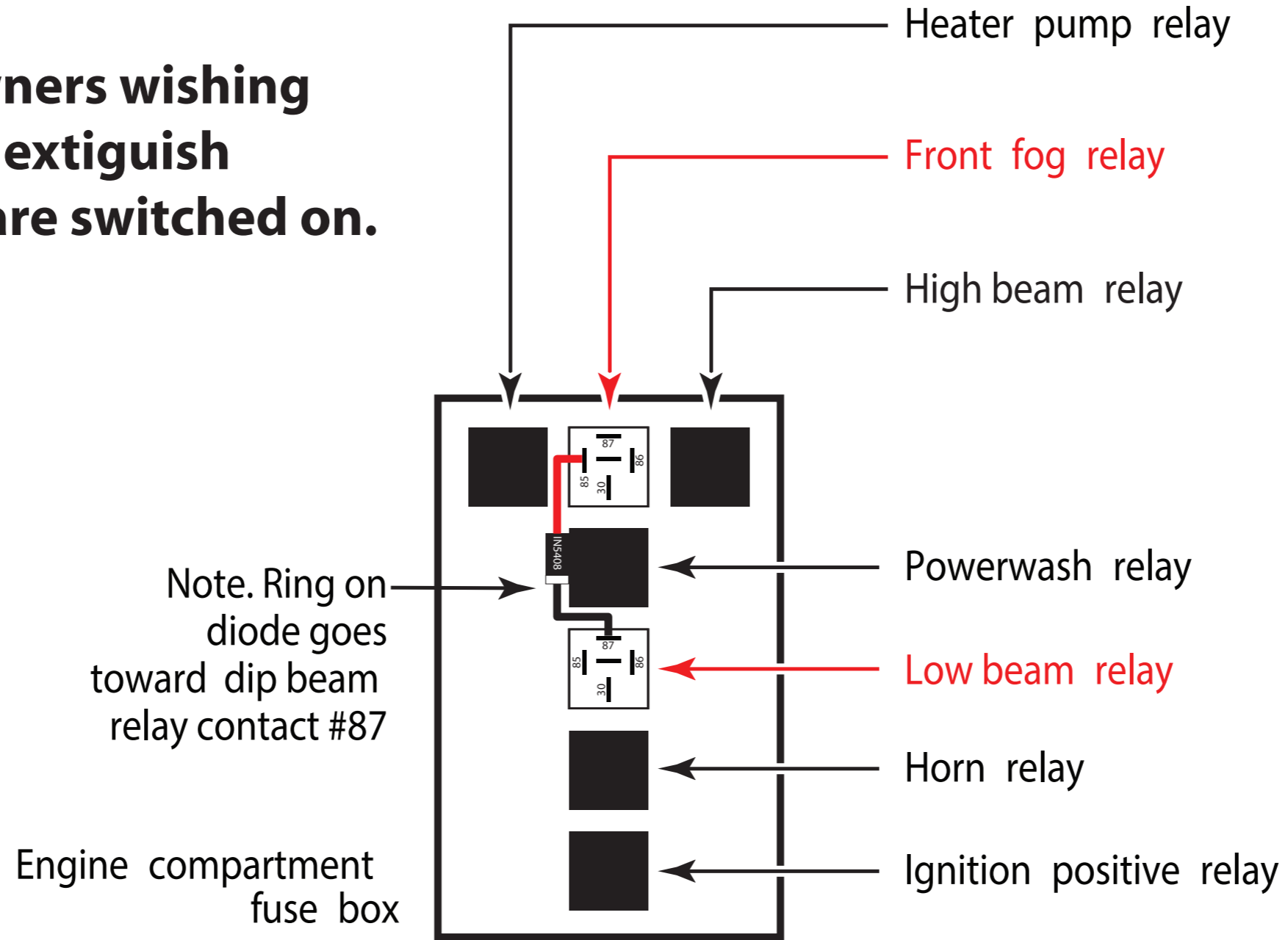
When ignition is ON and this point (2) is grounded, relay activates and contacts (3) & (5) close together. Power can then flow from point 4 to fog lamps via fuse F17.

Diode

ENGINE COMPARTMENT FUSE BOX

1996 -2003

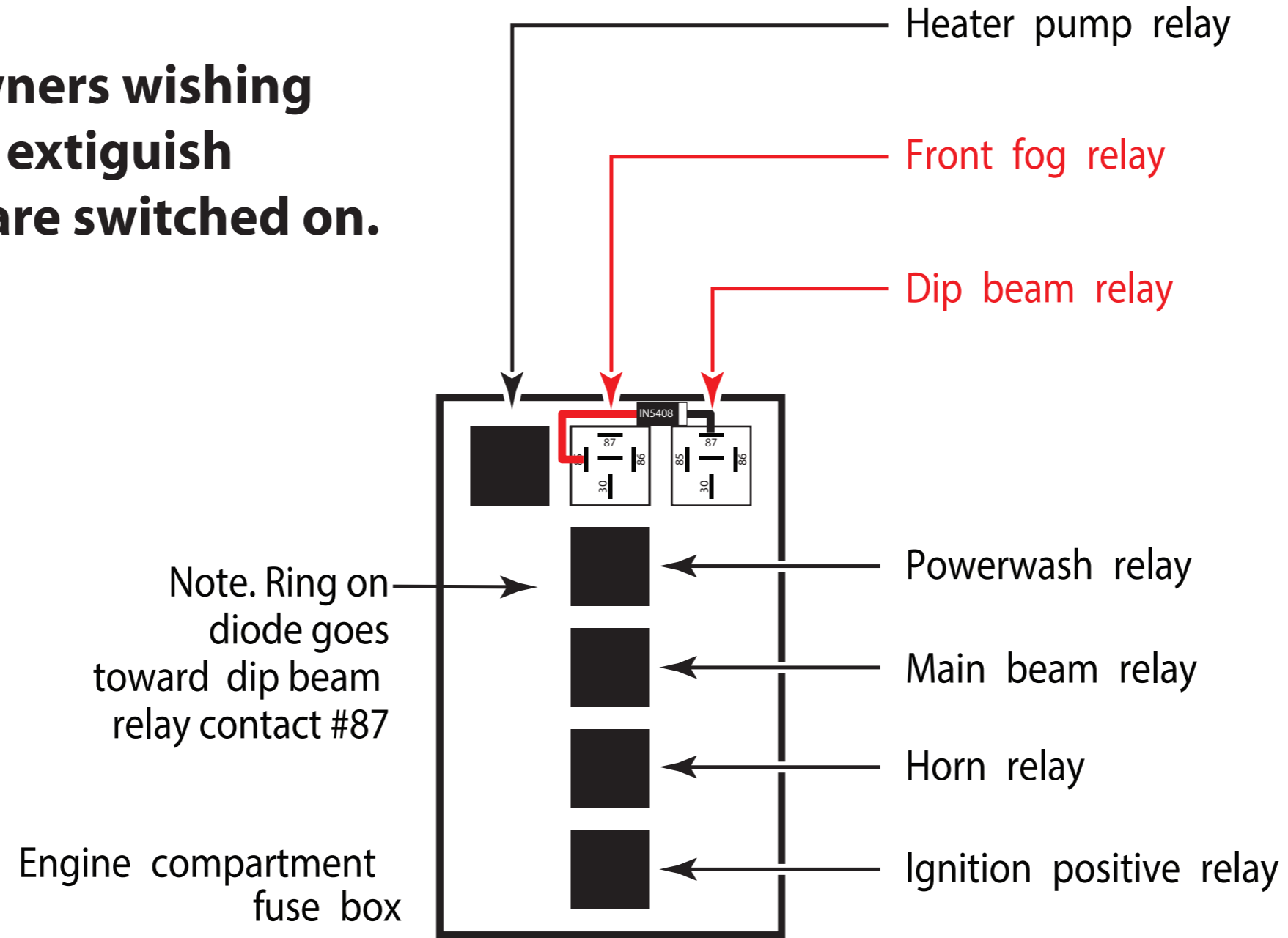
This diagram is for owners wishing the Fog/DRL lamps to extinguish when the low beams are switched on.



ENGINE COMPARTMENT FUSE BOX RELAYS

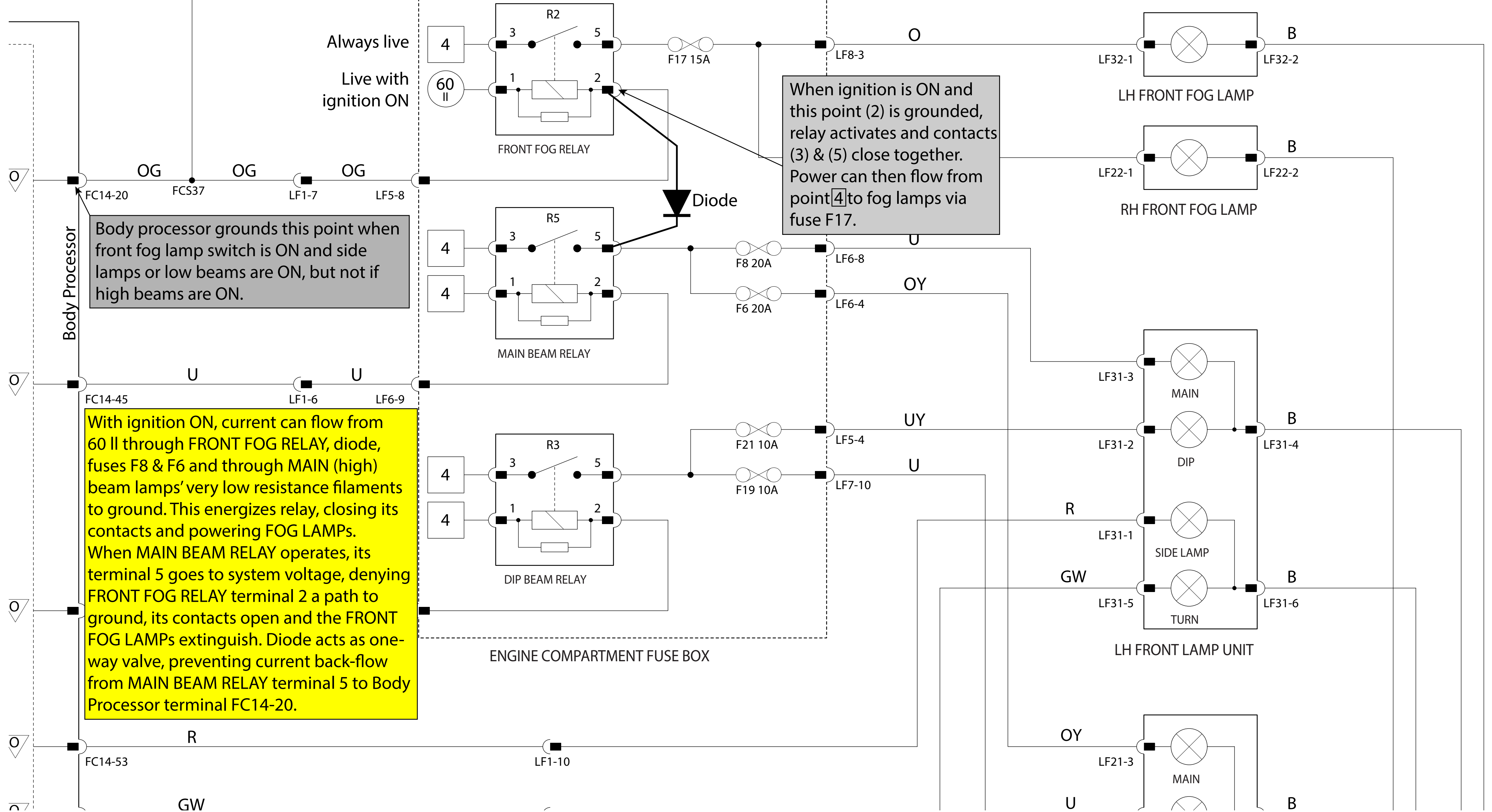
2003-2005

This diagram is for owners wishing the Fog/DRL lamps to extinguish when the low beams are switched on.



ENGINE COMPARTMENT FUSE BOX RELAYS

Fog Lamps Switched Via High Beams



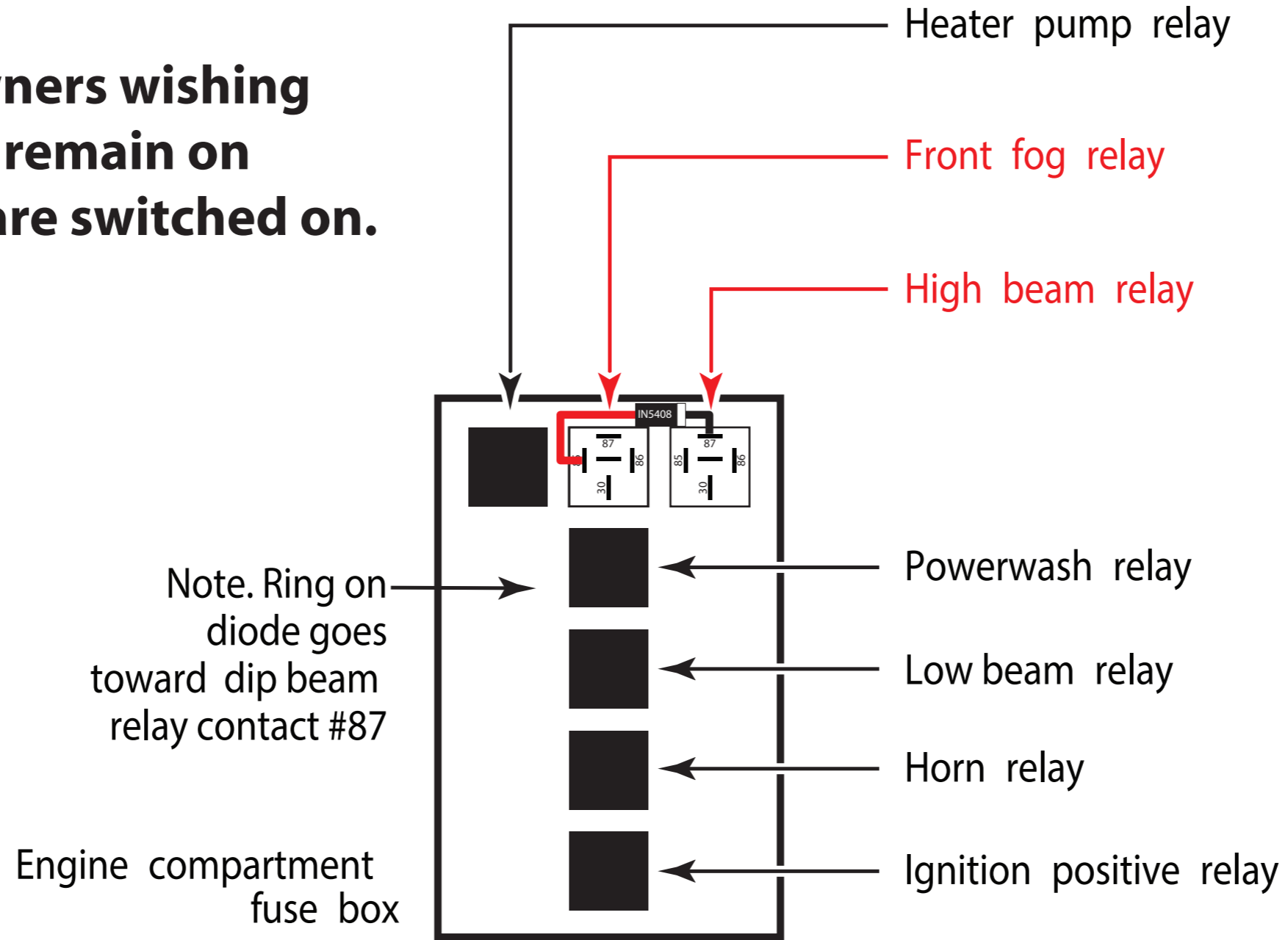
Body processor grounds this point when front fog lamp switch is ON and side lamps or low beams are ON, but not if high beams are ON.

With ignition ON, current can flow from 60 II through FRONT FOG RELAY, diode, fuses F8 & F6 and through MAIN (high) beam lamps' very low resistance filaments to ground. This energizes relay, closing its contacts and powering FOG LAMPS. When MAIN BEAM RELAY operates, its terminal 5 goes to system voltage, denying FRONT FOG RELAY terminal 2 a path to ground, its contacts open and the FRONT FOG LAMPS extinguish. Diode acts as one-way valve, preventing current back-flow from MAIN BEAM RELAY terminal 5 to Body Processor terminal FC14-20.

When ignition is ON and this point (2) is grounded, relay activates and contacts (3) & (5) close together. Power can then flow from point 4 to fog lamps via fuse F17.

1996-2003

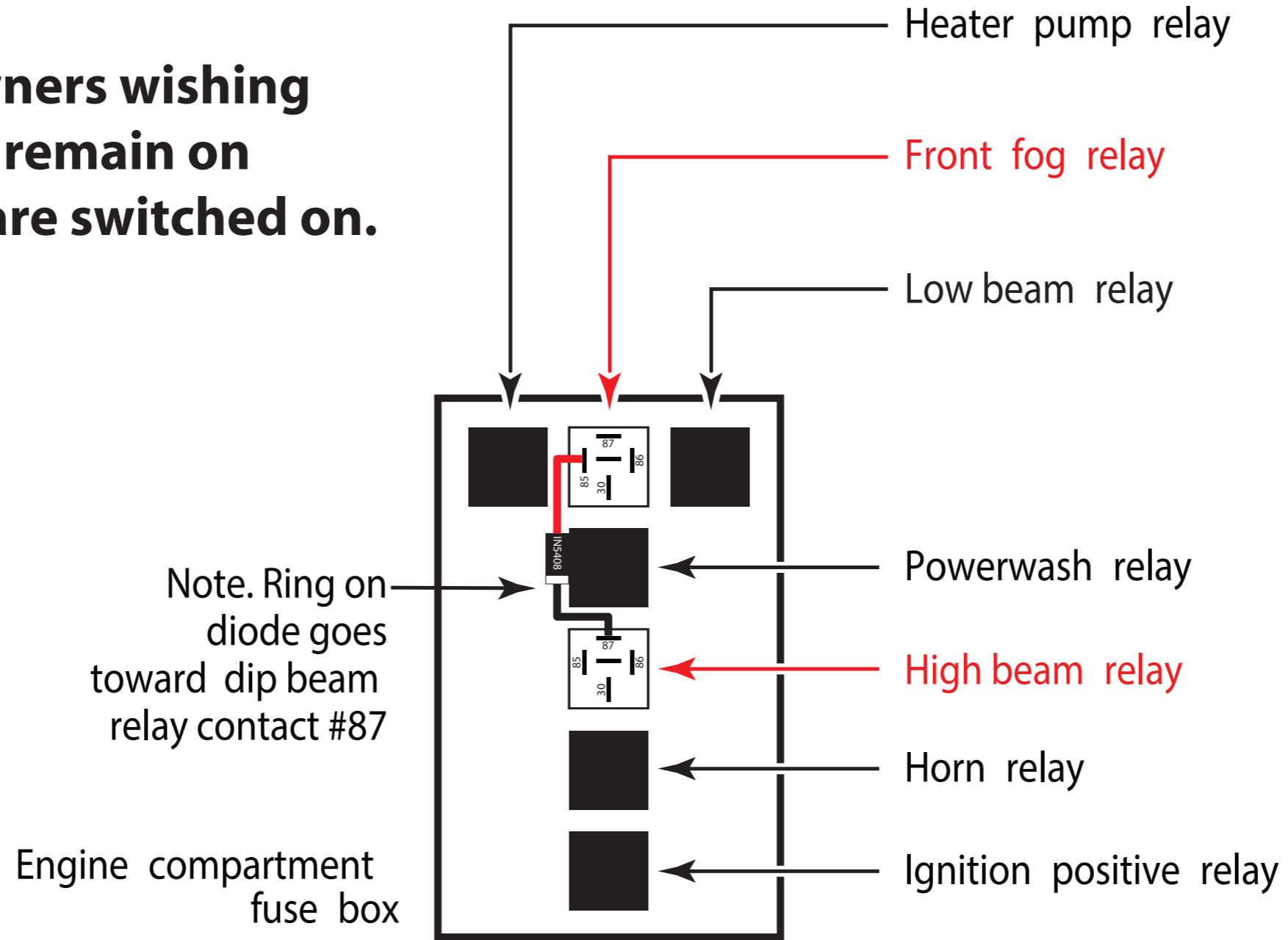
This diagram is for owners wishing the Fog/DRL lamps to remain on when the low beams are switched on.



ENGINE COMPARTMENT FUSE BOX RELAYS

2003 -2005

This diagram is for owners wishing the Fog/DRL lamps to remain on when the low beams are switched on.



ENGINE COMPARTMENT FUSE BOX RELAYS

XK8 Fog Lamp to DRL Conversion
Photo shows diode placement on a 2003 car
where the the fog lamp will extinguish when the
low beams operate.



XK8 Fog Lamp to DRL Conversion
Photo shows diode installed on a 2003 car where the the fog lamp will extinguish when the low beams operate.

