

# MASERATI GHIBLI ELECTRICAL SCHEMATICS

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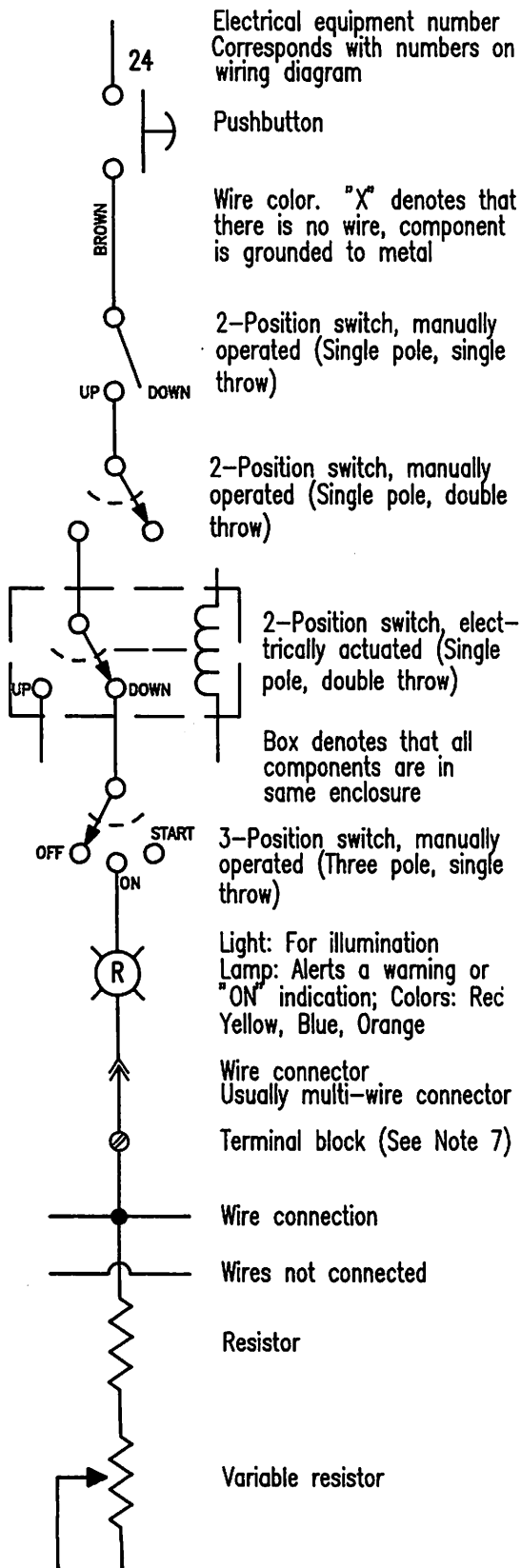
# MASERATI GIBLI ELECTRICAL SCHEMATICS

## ELECTRICAL EQUIPMENT

	PAGE
1 Left headlight low beam . . . . .	17,18
2 Left headlight high beam . . . . .	17,18
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10 Headlight raising motor relay . . . . .	16
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21 Ignition coil . . . . .	15
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28 Alternator . . . . .	8
29 Choke ON warning lamp limit switch . . . . .	10
30 Spark plug cables . . . . .	15
31 Oil temperature gauge sending unit . . . . .	12
32 Oil pressure gauge/lamp sending unit . . . . .	12
33 Starter motor . . . . .	8
34 Power antenna motor . . . . .	10
35 Heater/vent fan motor . . . . .	23
36 Under dashboard lighting . . . . .	20
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38 AC compressor thermostat . . . . .	11
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43 Oil pressure gauge & warning lamp . . . . .	12,20
44 Oil temperature gauge . . . . .	12,20
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46 Ammeter . . . . .	8,20
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47b Directional ON lamp - Red . . . . .	7,21,22
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52 Rear window defroster ON lamp - Amber. . . . .	23
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57 Headlight raising control switch . . . . .	16
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59 Instrument lighting dimmer switch . . . . .	20
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62 Fuel pump/tank selector switch . . . . .	13
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65 Interior light control switch . . . . .	19
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67 Radio . . . . .	10
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74 Alternator voltage regulator . . . . .	8
75 Hand brake ON warning lamp switch . . . . .	9
76 Backup light switch . . . . .	19
77 Fuse box, 12 fuses . . . . .	4
78 Fuse box, 4 fuses . . . . .	3
79 Left door courtesy light switch . . . . .	19
80 Left door power window motor . . . . .	24
81 Left door edge lamp - Red . . . . .	19
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83 Right door power window motor . . . . .	24
84 Right door edge lamp - Red . . . . .	19
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96 Right rear lamp unit . . . . .	N/A
96a Right rear stop/parking lamp . . . . .	9,20
96b Right rear directional lamp. . . . .	21,22
96c Right rear backup light . . . . .	19

# MASERATI GHIBLI ELECTRICAL SCHEMATICS

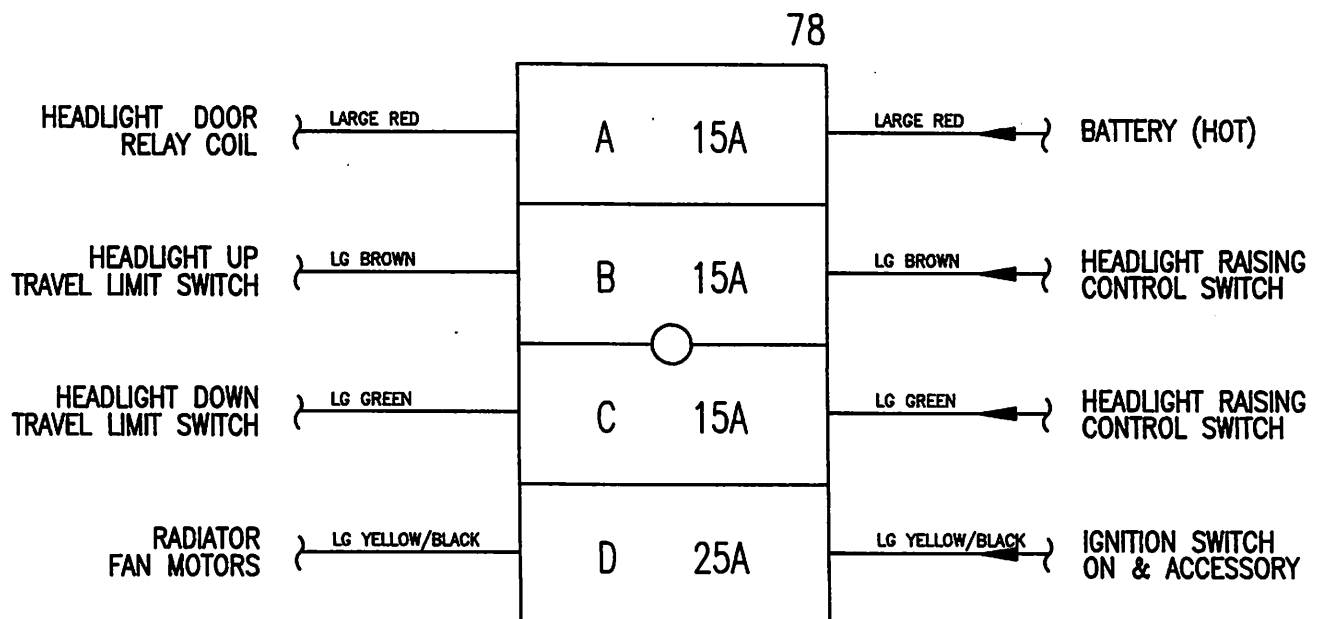
## SYMBOLS & NOTES



### GENERAL NOTES:

1. This type of schematic is called a ladder wiring schematic.
2. Circuits are generally read from top to bottom and from left to right. That is, electricity flows from top to bottom.
3. The Electrical Equipment list on Page 1 matches the components shown on the original Maserati wiring diagram.
4. Components are shown in the OFF position, as when the car is parked.
5. Some circuits shown on different pages are interconnected. For example, Fuse 7 supplies power to Low Beam Headlights (Pages 17 & 18) and Windshield Wiper & Washer (Page 25). All circuits receiving power from Fuse 7 are connected.
6. Use wire colors only as a guide. Do not rely on them when tracing circuits. I found several instances of different colored wires spliced together in the wire harness. Colors shown are from Ghibli 115-652. This is an early car with toggle switches rather than rocker switches.
7. A terminal block has two screws, electrically connected, to which two wires can be attached. This is considered a single wire terminal. Two point terminal blocks are common and provide for two circuits.
8. All wires are medium diameter unless listed as small (SM) or large (LG). There are more than three wire gauges but this simplified notation helps in troubleshooting.
9. Original wiring diagrams are available from MIE Corp. at 1950 116th Avenue N.E., Suite 220, Bellevue, WA 98004, 800-627-3728.
10. All circuits are shown as accurately as I could decipher them to be. This is a disclaimer to state that I am not responsible if you damage your car.

# MASERATI GHIBLI ELECTRICAL SCHEMATICS

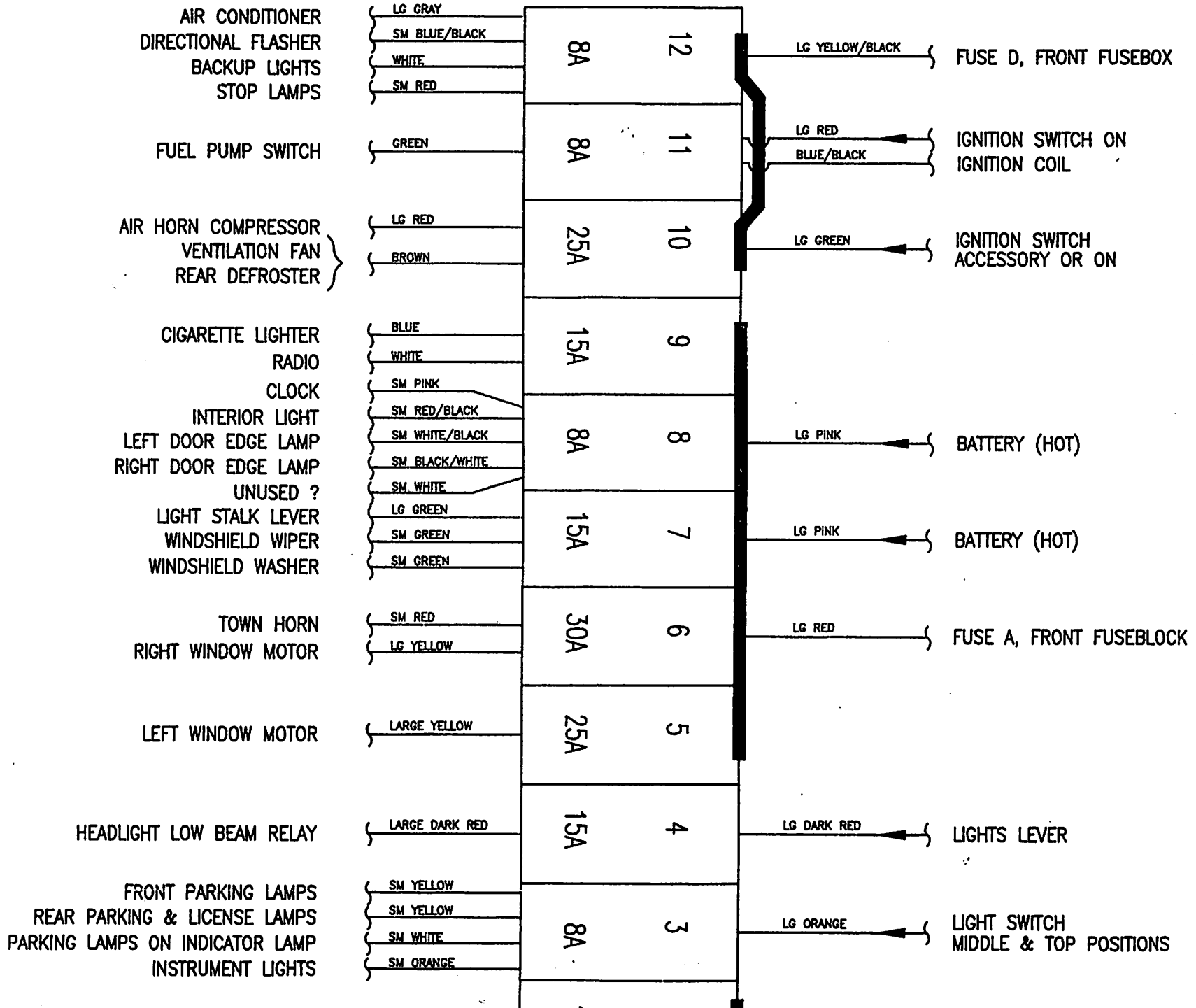


**NOTE:**

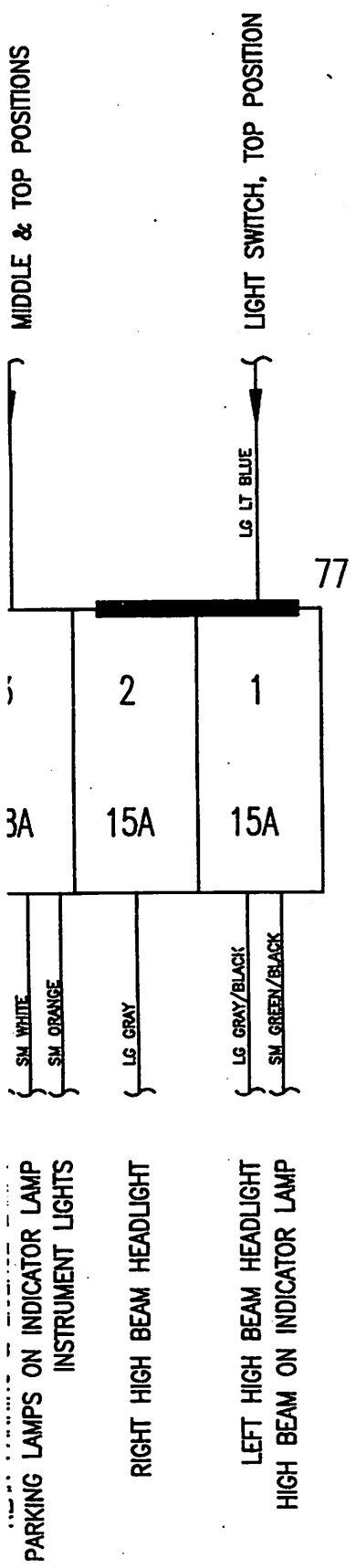
1. See Table Of Contents for associated circuits.

**TROUBLESHOOTING NOTES:**

1. Fuse A is always hot.
2. Fuse D is hot when the Ignition Switch is in the ON or ACCESSORY positions.
3. Arrows show power in. All other wires go to loads.



# ELECTRICAL SCHEMATICS



**NOTE:**

1. See Table Of Contents for associated circuits.

**TROUBLESHOOTING NOTES:**

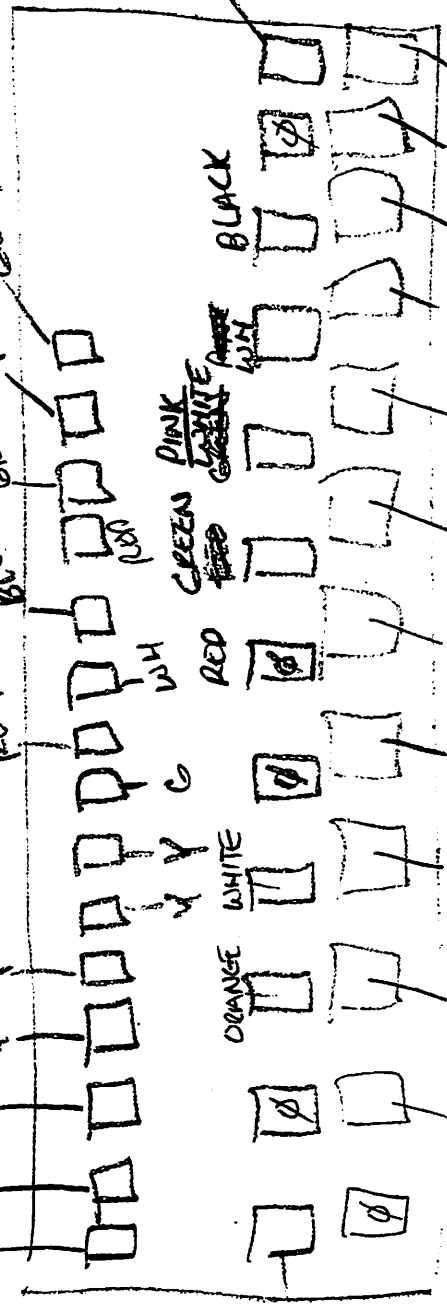
1. Fuses 5 through 9 are always hot.
2. Fuses 10 through 12 are hot when the Ignition Switch is in the ON position.
3. Fuses 10 and 12 are hot when the Ignition Switch is in the ACCESSORY position.
4. Arrows show power in. All other wires go to loads.

RED/BL  
RED

WHITE  
BLUE/BLACK

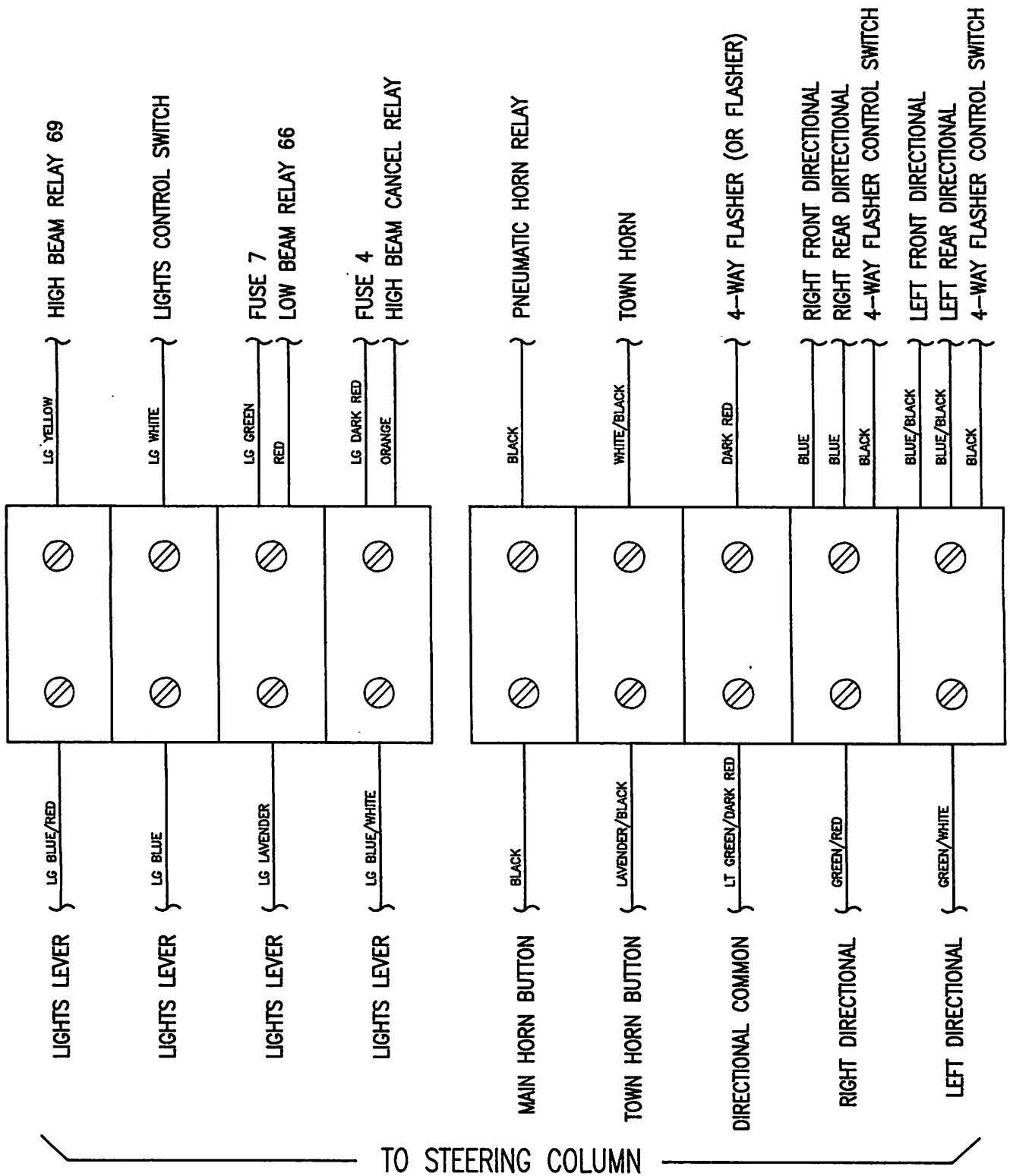
Rear of fuse box  
RED/PURPLE  
BLUE  
GREEN  
RED  
GREEN  
PINK  
WHITE  
BLACK  
RED  
WH  
Y  
C  
ORANGE  
WHITE  
RED  
ORANGE  
BLUE  
ORANGE

GREEN/BL



RED/BL  
RED  
WHITE  
BLUE/BLACK  
RED/PURPLE  
BLUE  
GREEN  
RED  
GREEN  
PINK  
WHITE  
BLACK  
RED  
WH  
Y  
C  
ORANGE  
WHITE  
RED  
ORANGE  
BLUE  
ORANGE  
RED  
ORANGE  
PINK  
PINK  
GREEN  
YELLOW  
BLACK

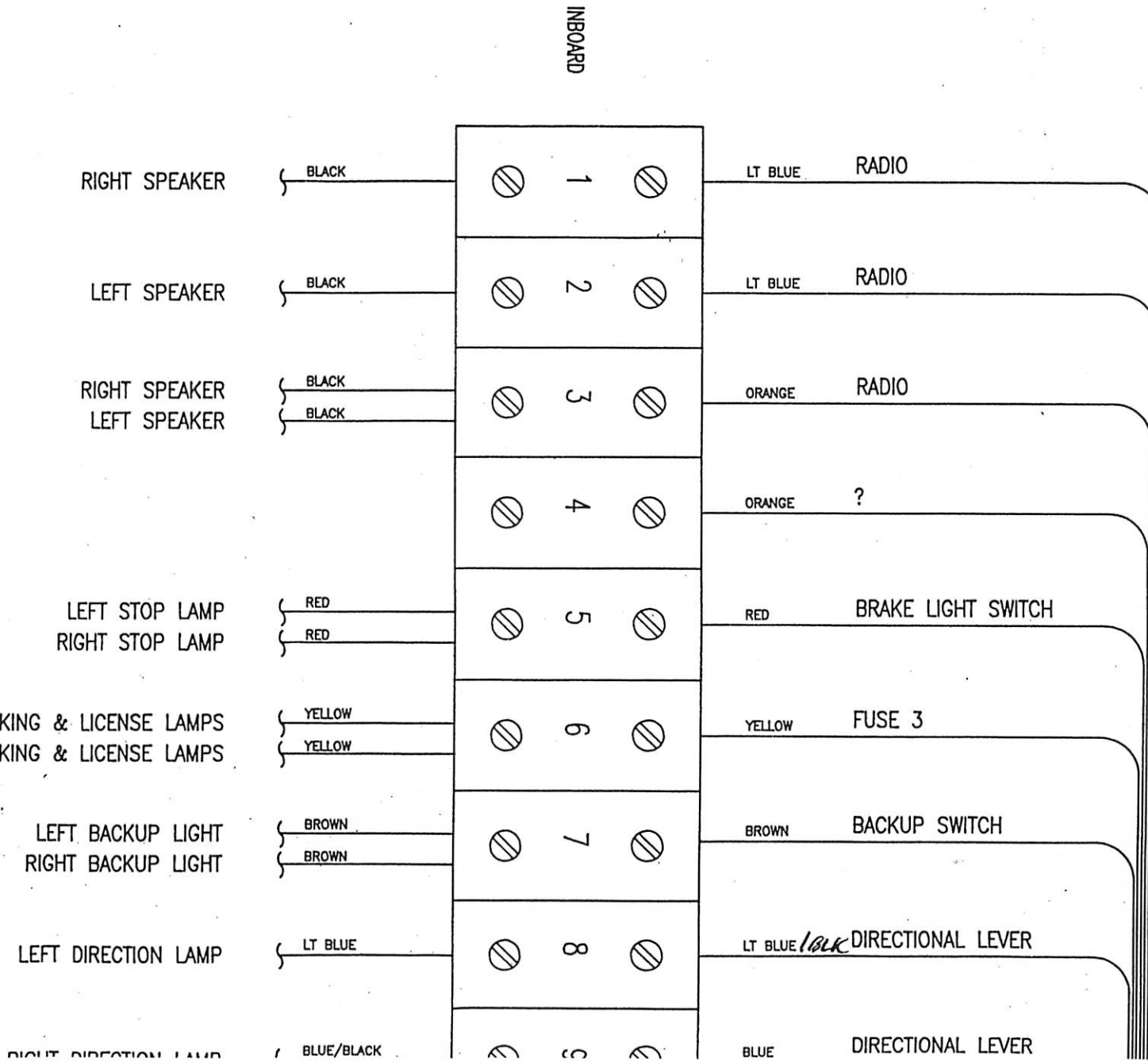
# MASERATI GHIBLI ELECTRICAL SCHEMATICS



TERMINAL BLOCKS, STEERING COLUMN



C. GROTH 5/2/96



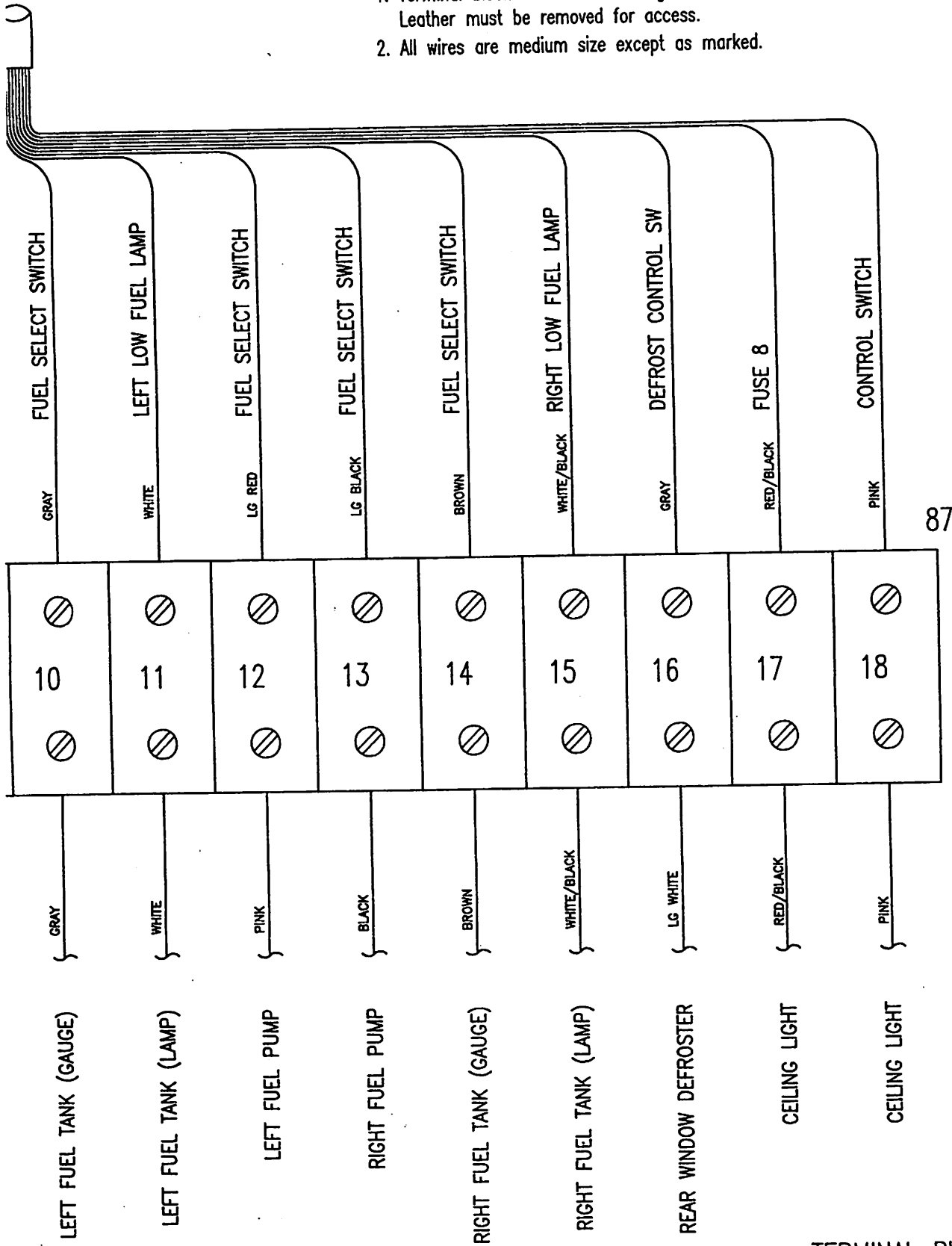
WIRE HARNESS FROM FRONT

MASERATI GHIBLI

# CRITICAL SCHEMATICS

**NOTES:**

1. Terminal block is mounted on right rear inner wheel well.  
Leather must be removed for access.
2. All wires are medium size except as marked.

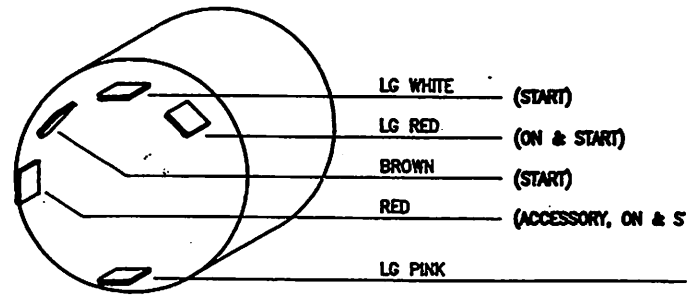


87

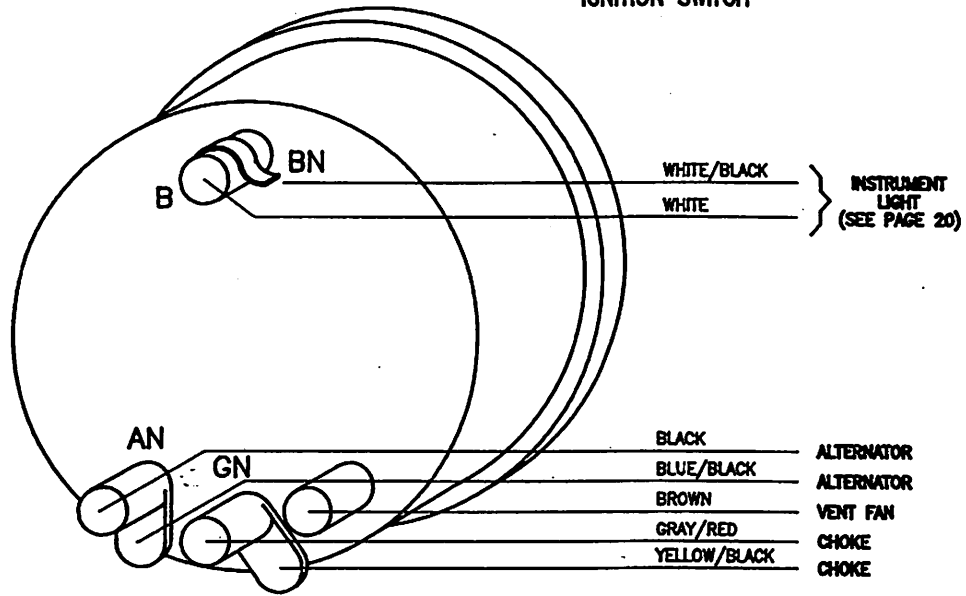
OUTBOARD

TERMINAL BLOCK, REAR

# MASERATI GHIBLI

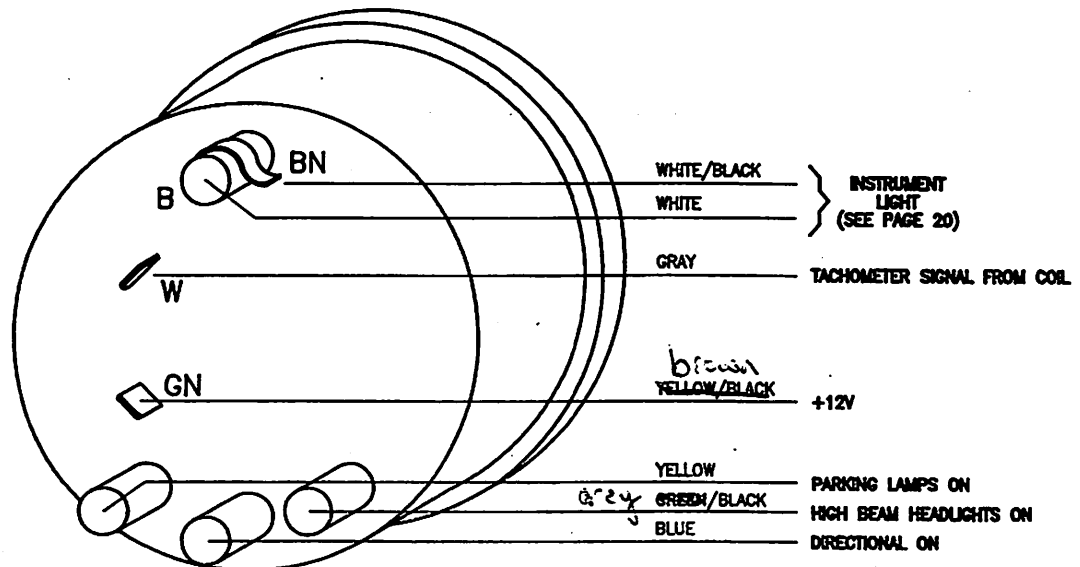


IGNITION SWITCH



SPEEDOMETER

TO SPEEDOMETER <



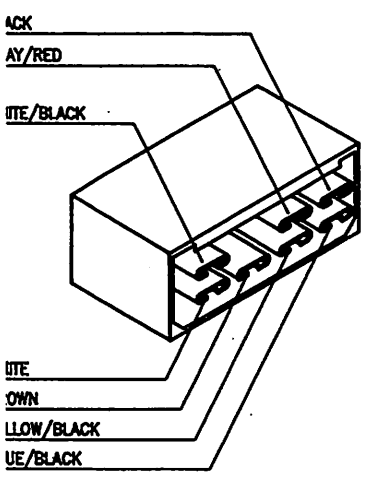
TACHOMETER

TO TACHOMETER <

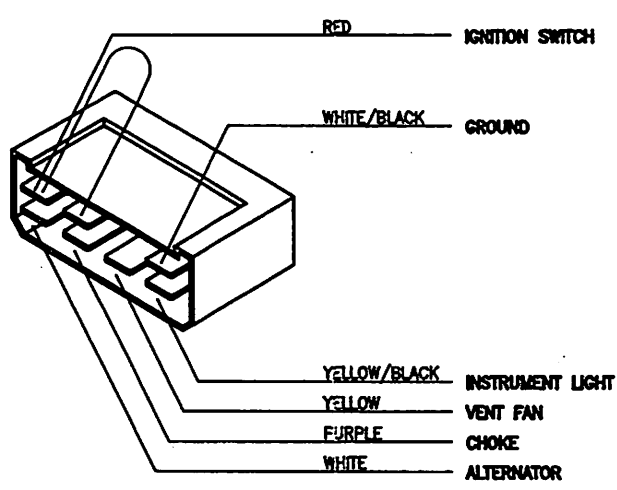
# CRITICAL SCHEMATICS

TO STARTER  
 TO FUSE 11 & ALL UNFUSED SWITCHED CIRCUITS  
 TO IGNITION COIL  
 TO IGNITION SWITCH RELAY (OR FUSES 10, 12 & D)  
 12V POWER IN

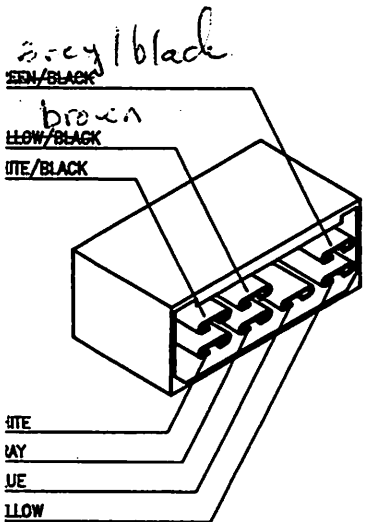
**NOTE:**  
 1. The Ignition Switch is shown as wired in Ghibli 115-652. Cars that do not have an Ignition Switch Relay may be wired differently.



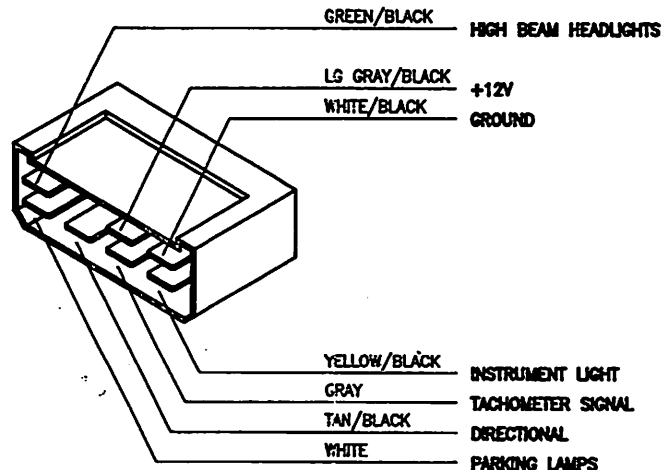
SPEEDOMETER CONNECTOR



WIRE HARNESS



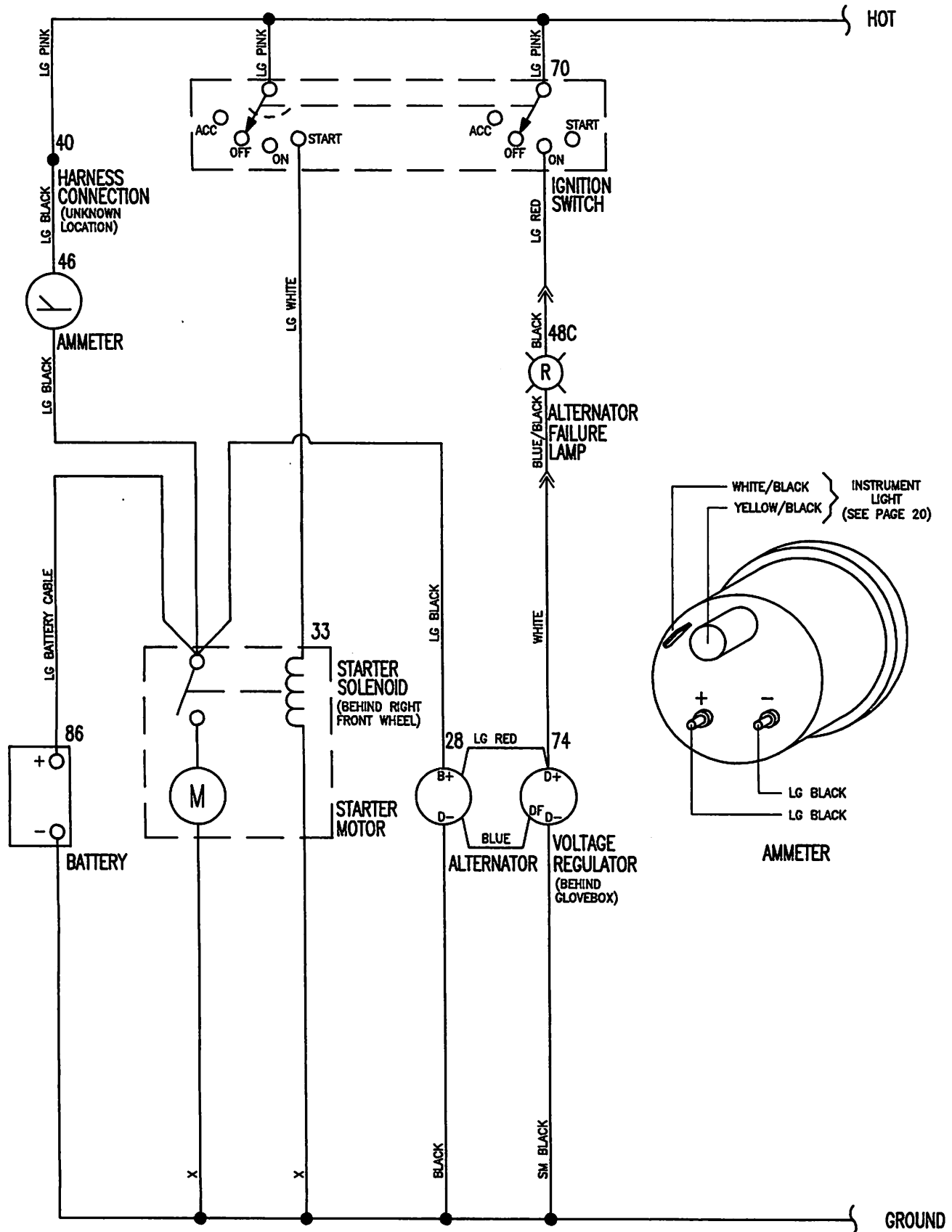
TACHOMETER CONNECTOR



WIRE HARNESS

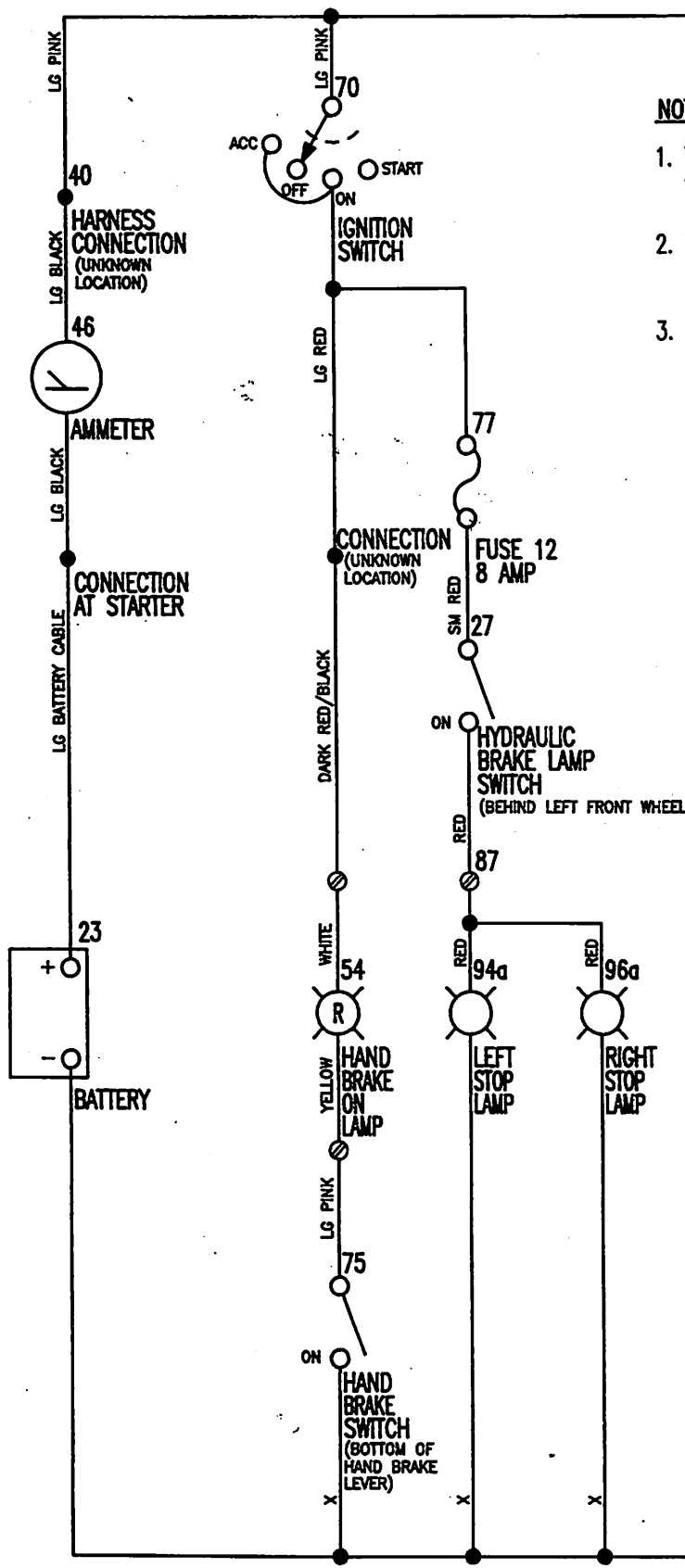
## IGNITION SWITCH, SPEEDOMETER & TACHOMETER

# MASERATI GHIBLI ELECTRICAL SCHEMATICS



## CHARGING & STARTING CIRCUITS

# MASERATI GIBLI

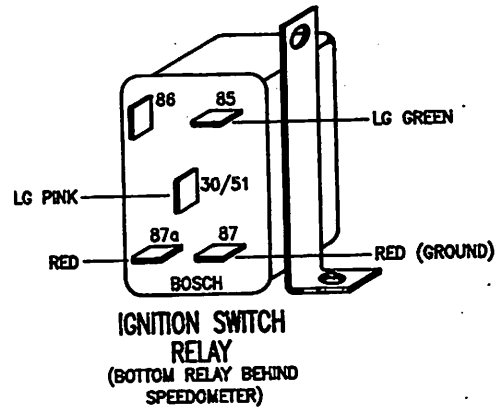
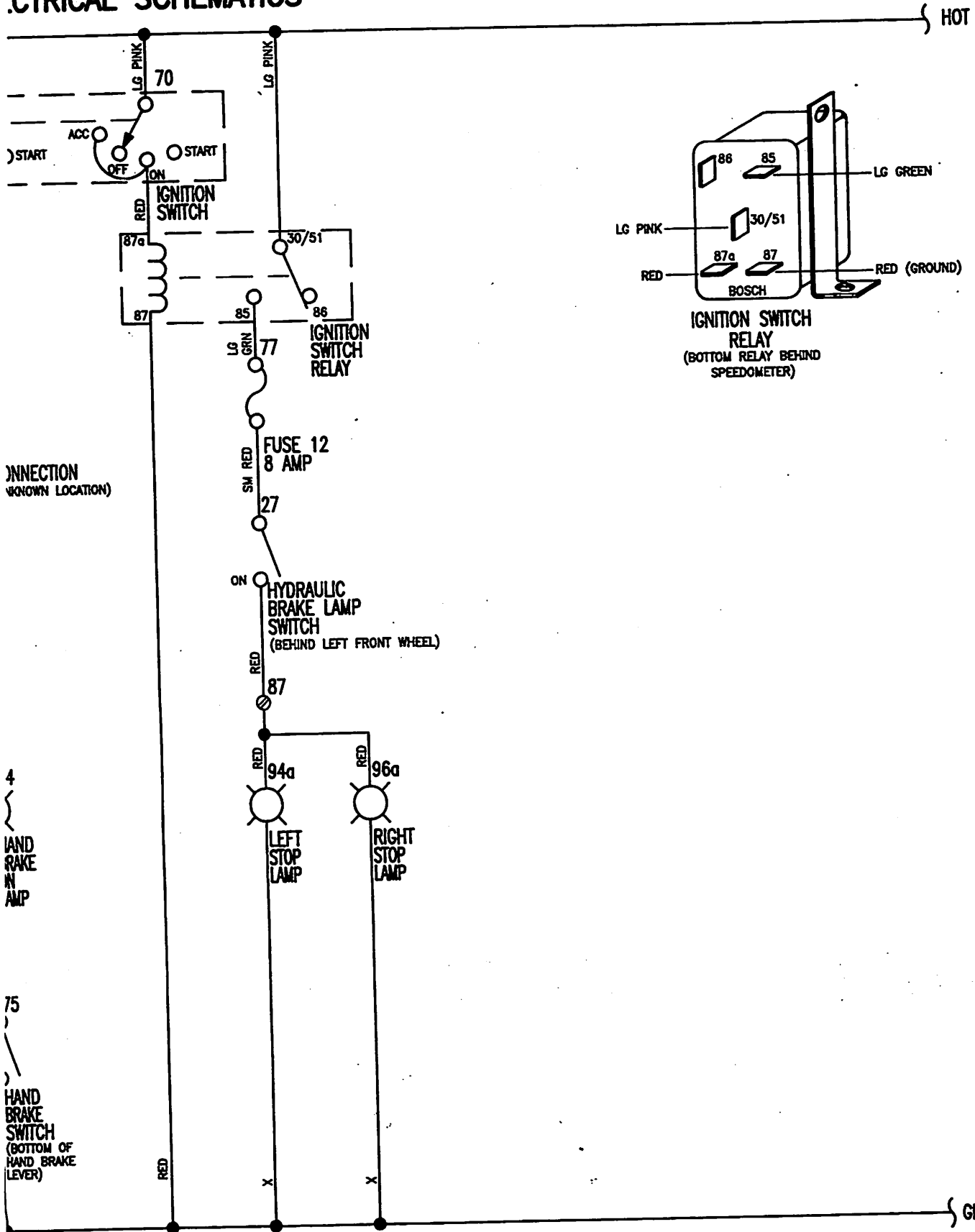


## NOTES:

1. The circuit at left is drawn as shown in the Maserati wiring diagram.
2. The circuit at right is drawn as wired in Ghibli 115-652.
3. For view of taillight assembly see Page 19.

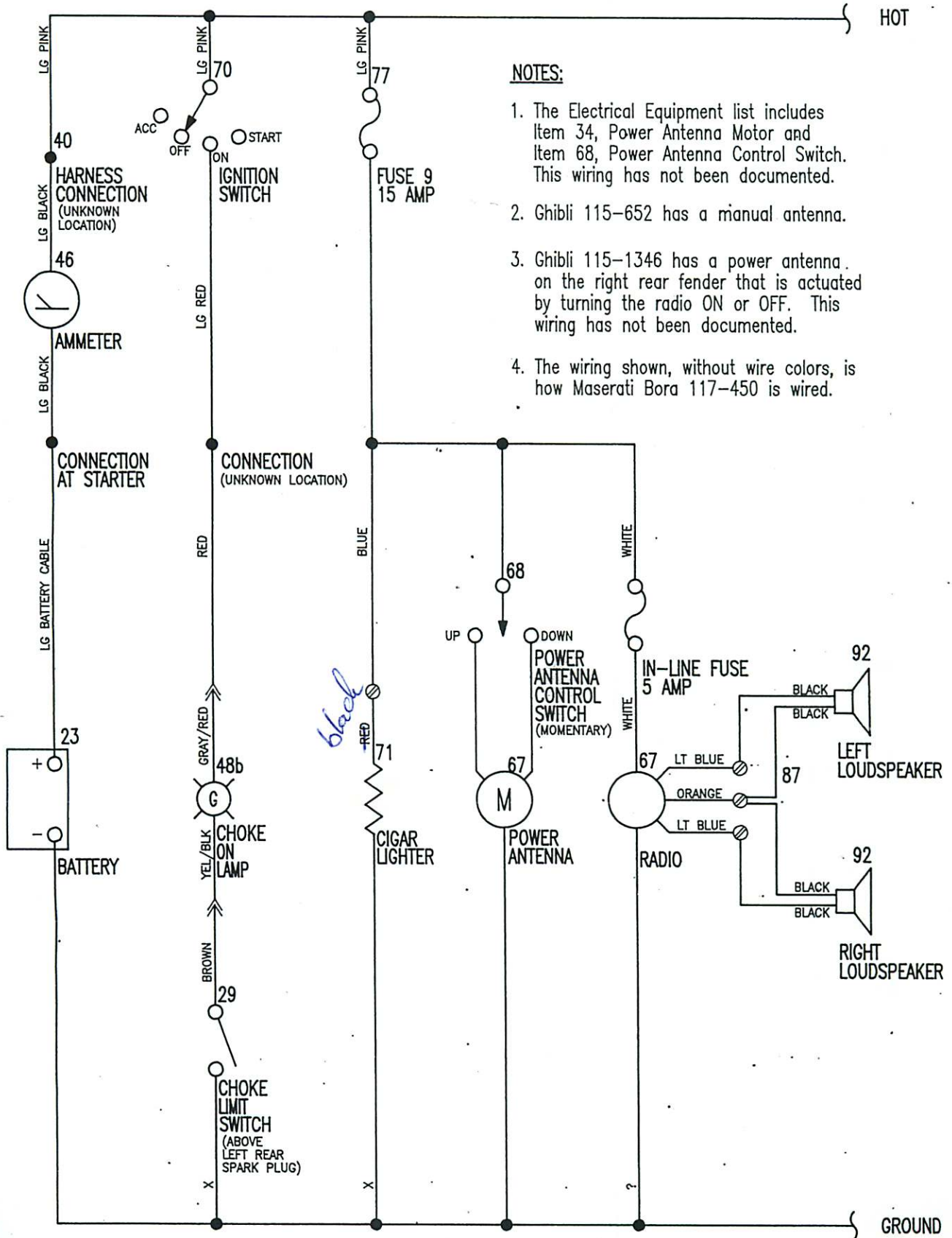


# ELECTRICAL SCHEMATICS



## BRAKE CIRCUITS

# MASERATI GIBLI ELECTRICAL SCHEMATICS



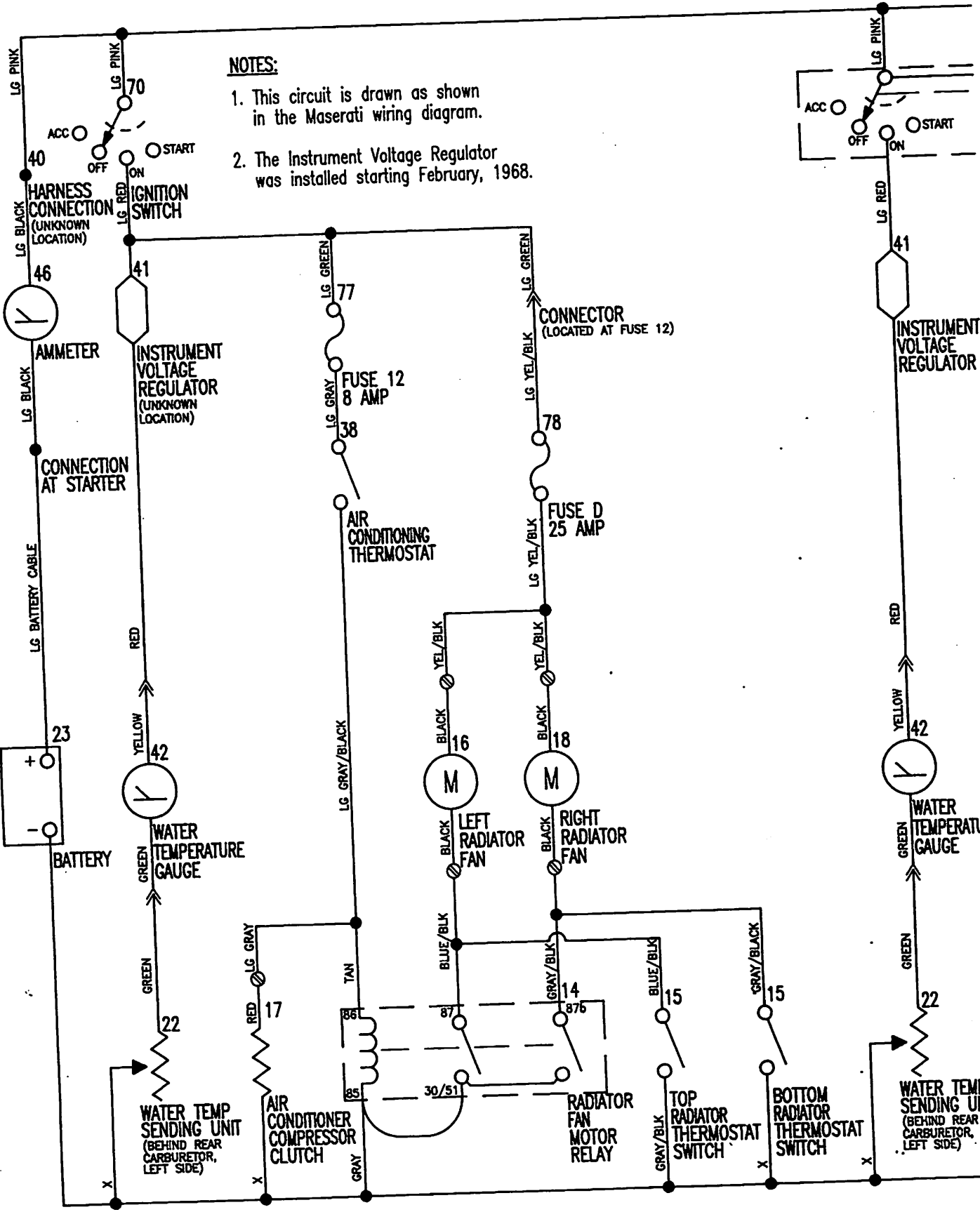
## NOTES:

1. The Electrical Equipment list includes Item 34, Power Antenna Motor and Item 68, Power Antenna Control Switch. This wiring has not been documented.
2. Ghibli 115-652 has a manual antenna.
3. Ghibli 115-1346 has a power antenna on the right rear fender that is actuated by turning the radio ON or OFF. This wiring has not been documented.
4. The wiring shown, without wire colors, is how Maserati Bora 117-450 is wired.

## CHOKE, LIGHTER & RADIO CIRCUITS

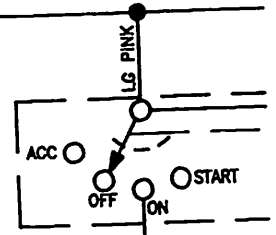


# MASERATI GIBLI E



### NOTES:

1. This circuit is drawn as shown in the Maserati wiring diagram.
2. The Instrument Voltage Regulator was installed starting February, 1968.



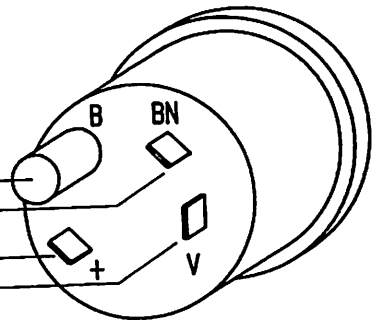
# ELECTRICAL SCHEMATICS

HOT

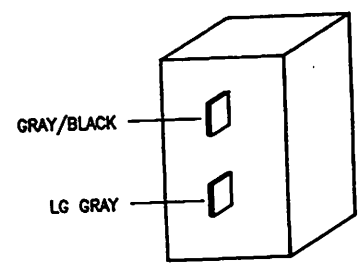
**NOTE:**

1. This circuit is drawn as wired in Ghibli 115-652.

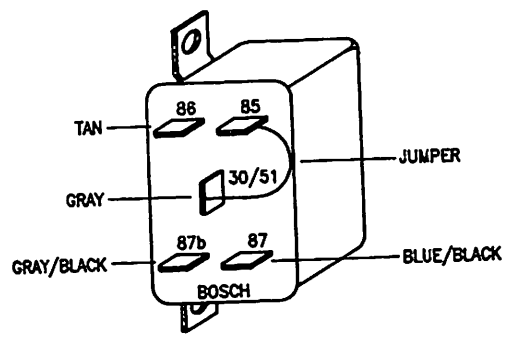
INSTRUMENT LIGHT (SEE PAGE 20)  
 WHITE/BLACK  
 WHITE  
 YELLOW (+12V)  
 GREEN (SENSOR)



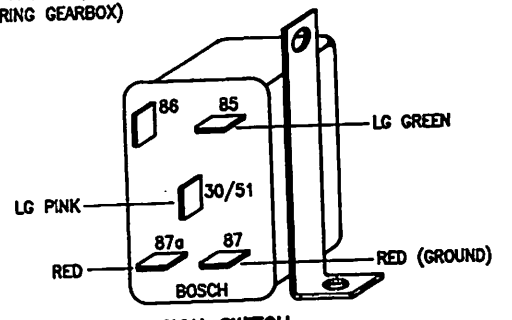
WATER TEMPERATURE GAUGE



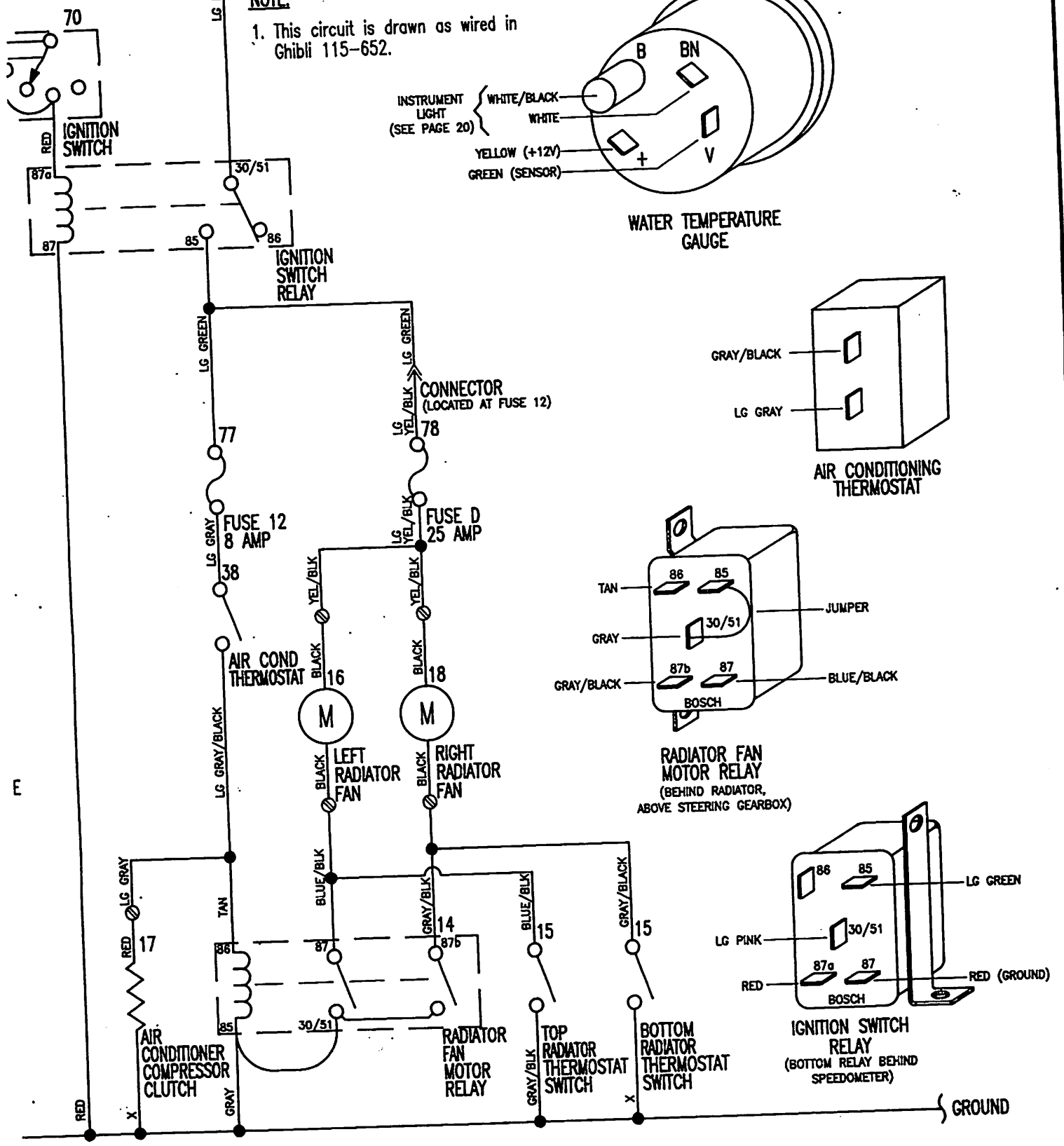
AIR CONDITIONING THERMOSTAT



RADIATOR FAN MOTOR RELAY (BEHIND RADIATOR, ABOVE STEERING GEARBOX)

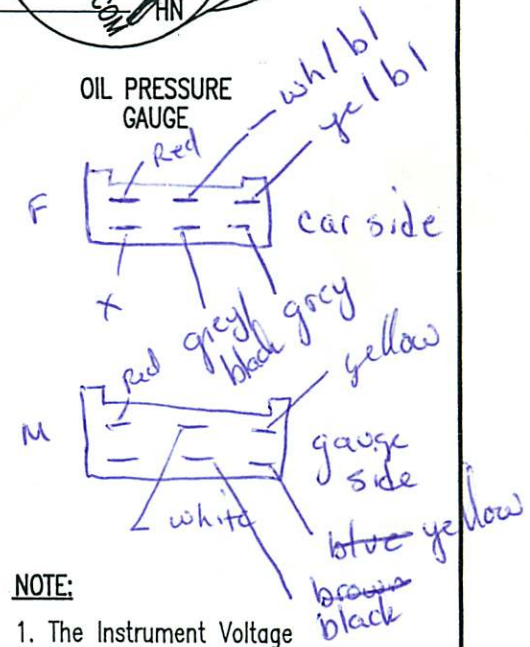
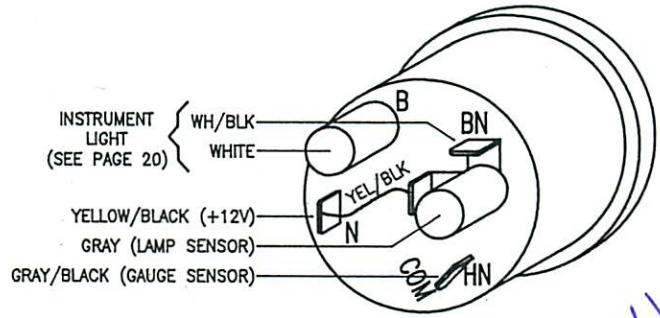
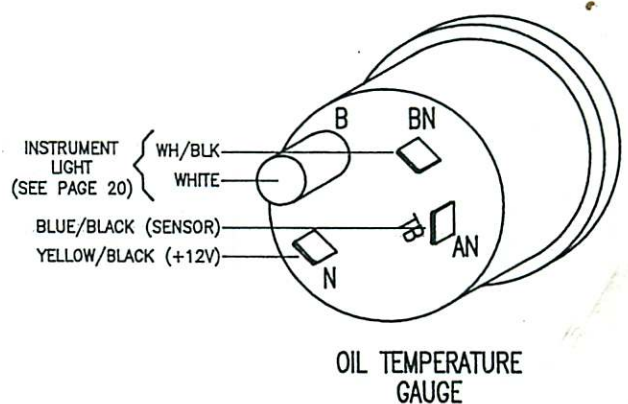
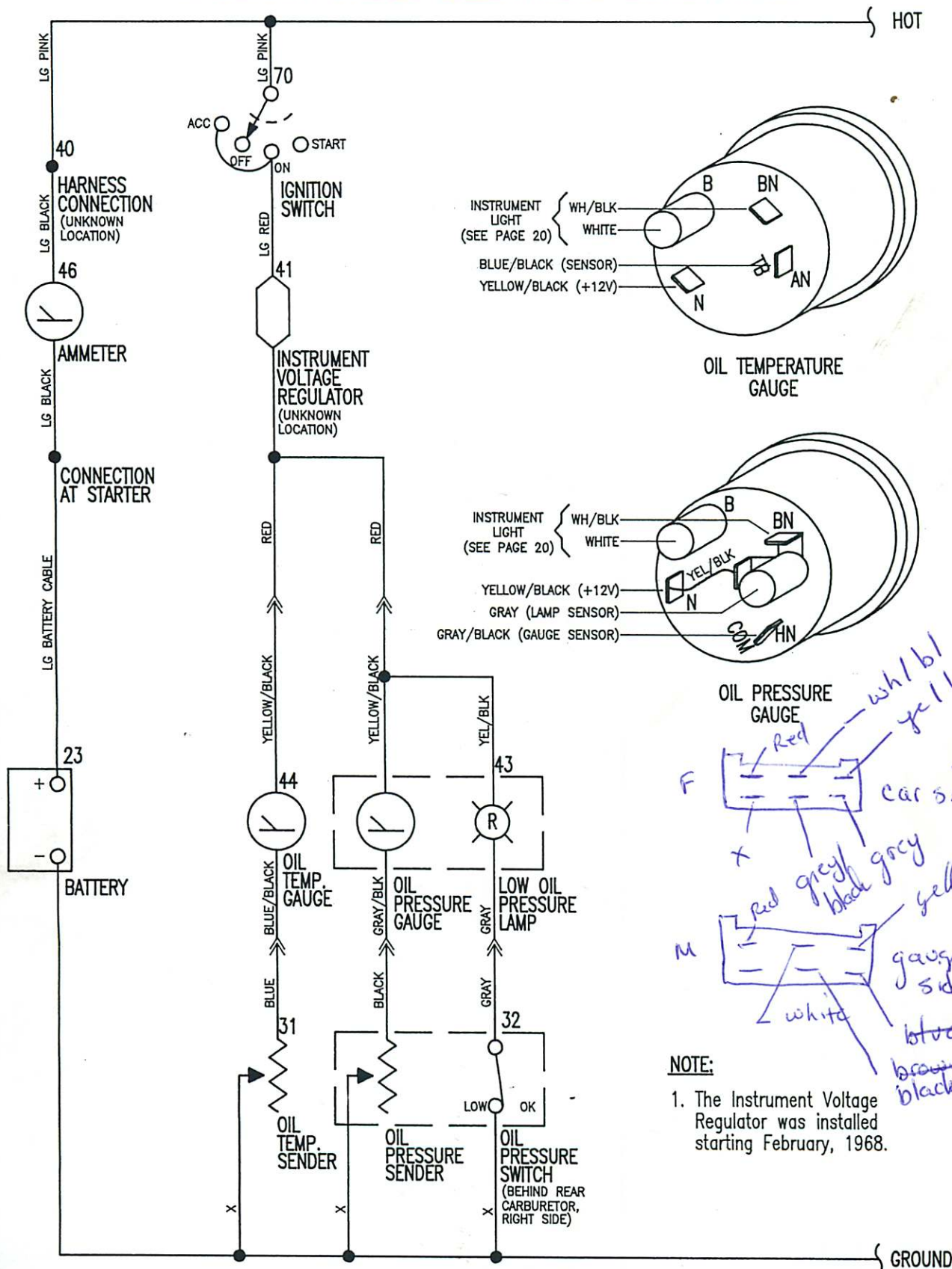


IGNITION SWITCH RELAY (BOTTOM RELAY BEHIND SPEEDOMETER)



## COOLING & AC CIRCUITS

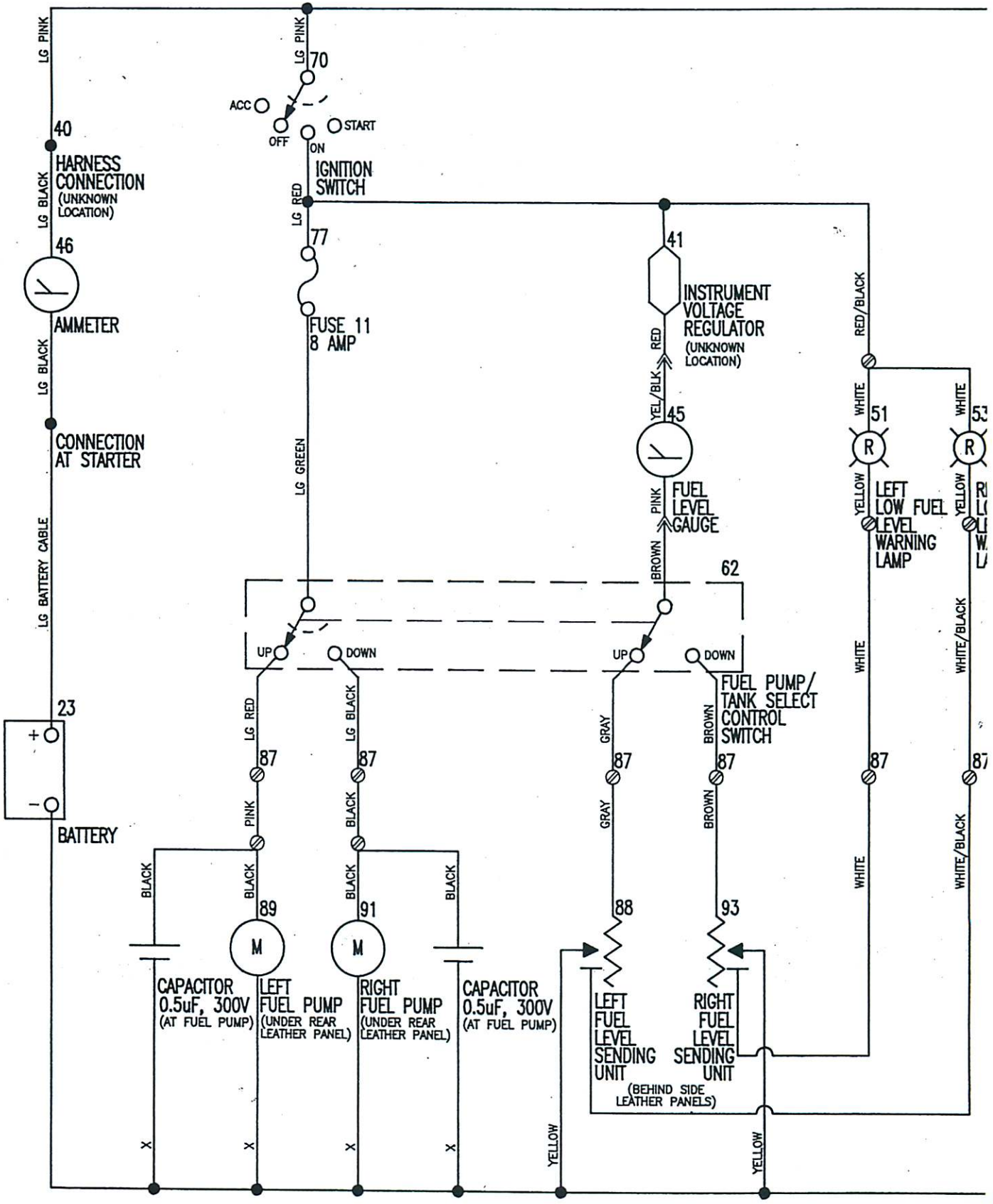
# MASERATI GIBLI ELECTRICAL SCHEMATICS



**NOTE:**  
1. The Instrument Voltage Regulator was installed starting February, 1968.

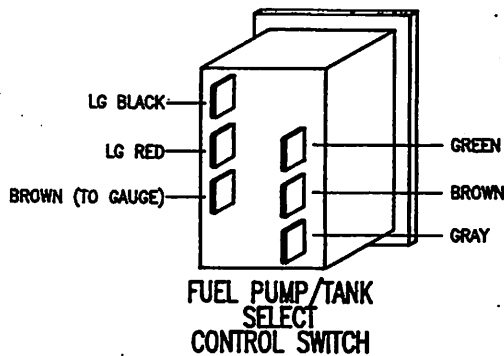
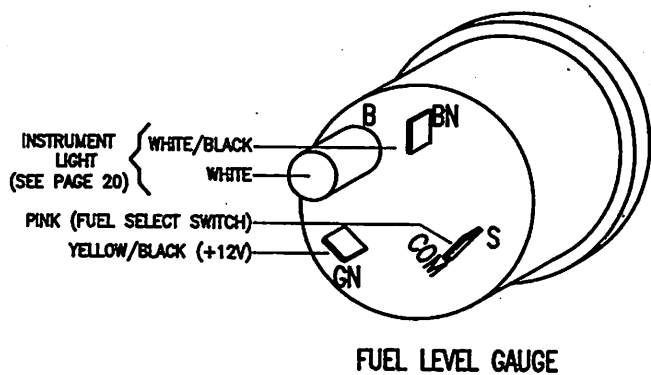
## ENGINE OIL CIRCUITS

# MASERATI GHIBLI

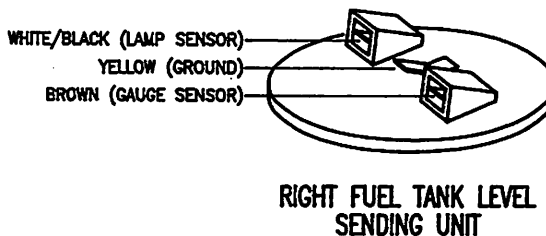
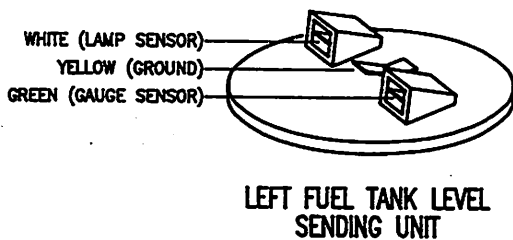


# ELECTRICAL SCHEMATICS

→ HOT



FUEL  
NG

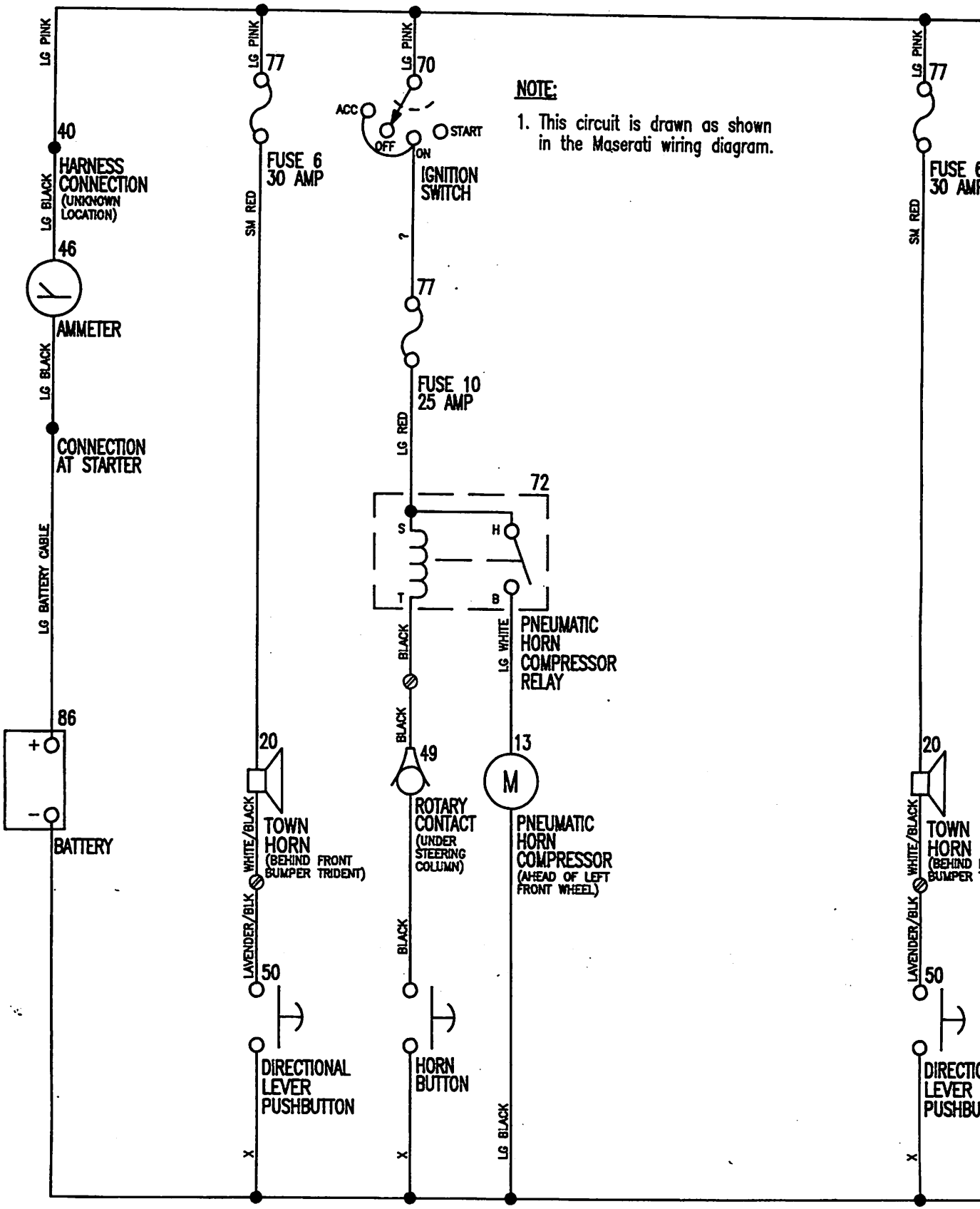


**NOTE:**

1. The Instrument Voltage Regulator was installed starting February, 1968.

→ GROUND

# MASERATI GHIBLI

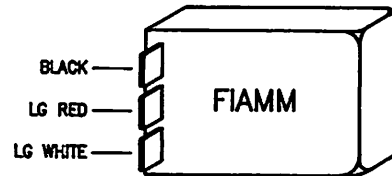
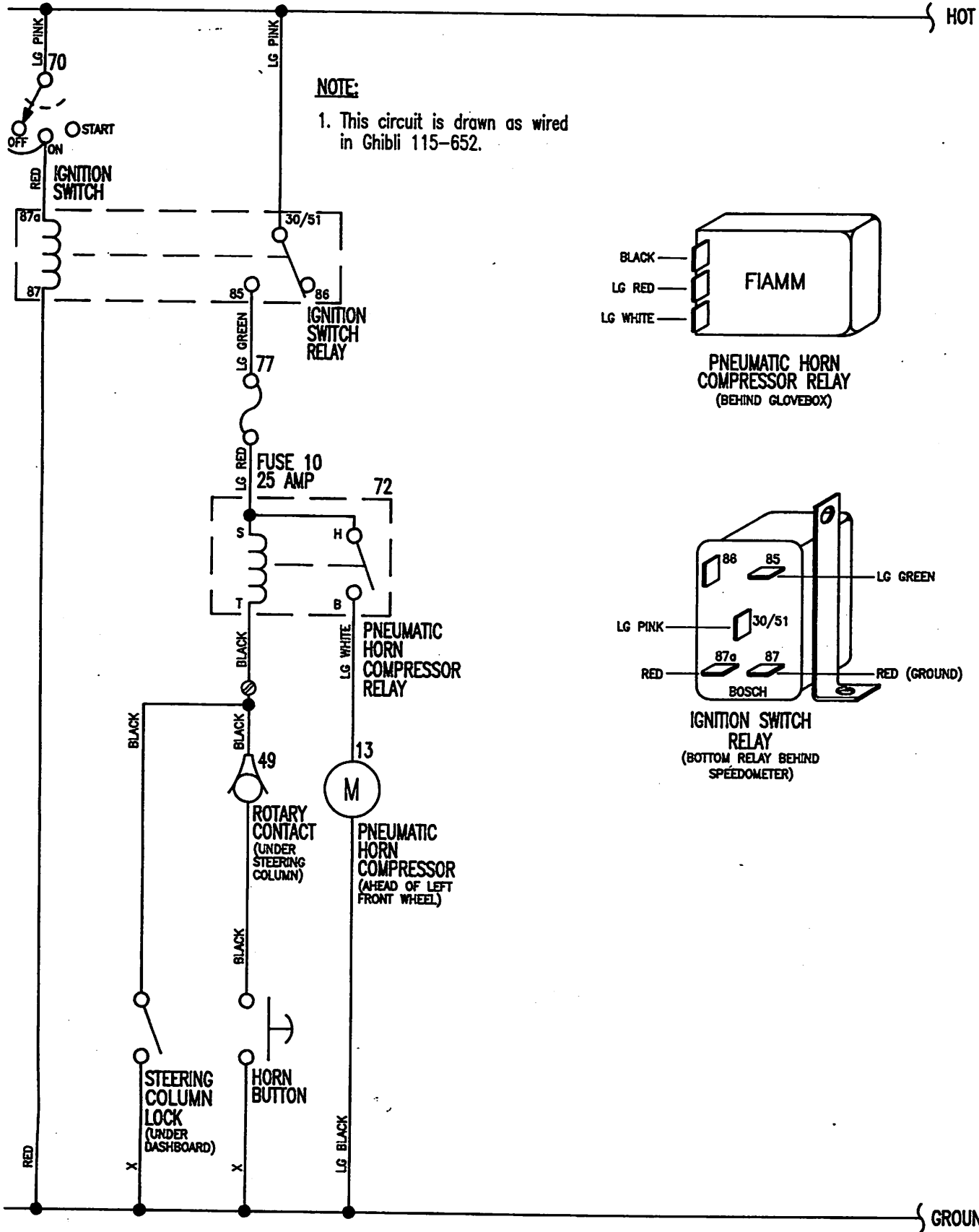


Red = ON      High  
Green = ON

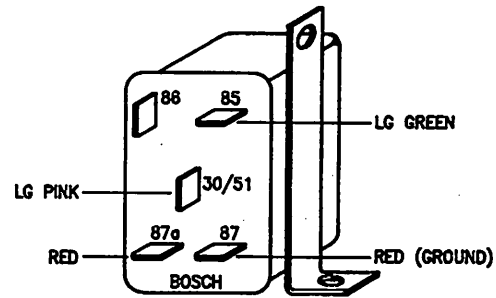
Green = ON      Low  
Brown = ON

Brown = ON      OFF  
Green = ON

# ELECTRICAL SCHEMATICS



**PNEUMATIC HORN COMPRESSOR RELAY**  
(BEHIND GLOVEBOX)

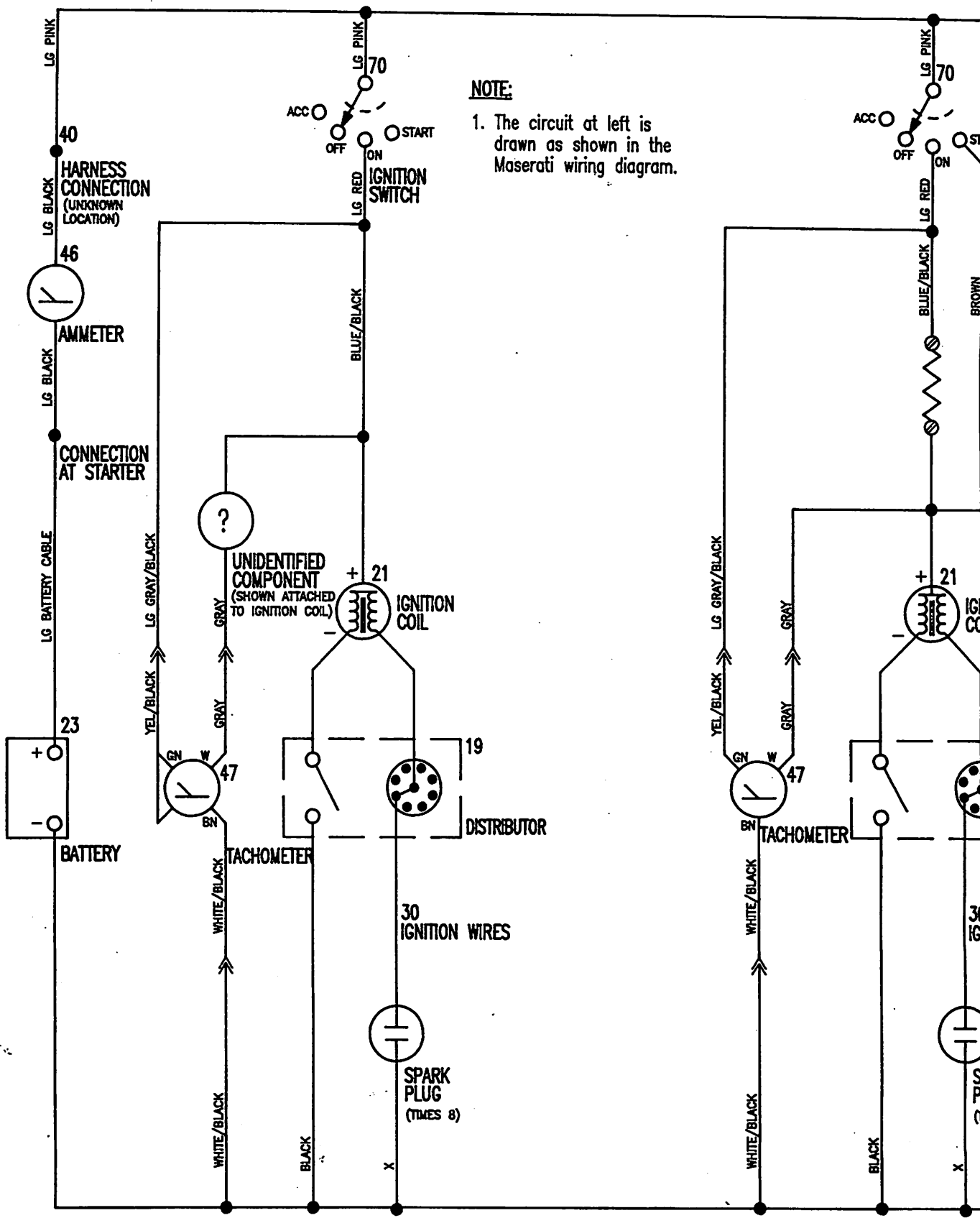


**IGNITION SWITCH RELAY**  
(BOTTOM RELAY BEHIND SPEEDOMETER)

## HORN CIRCUITS



# MASERATI GIBLI



**NOTE:**  
 1. The circuit at left is drawn as shown in the Maserati wiring diagram.

# ELECTRICAL SCHEMATICS

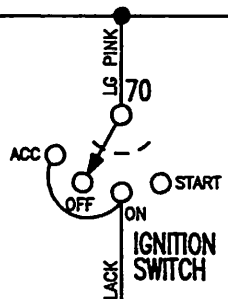
HOT

**NOTE:**

1. The circuit at left is drawn as wired in Ghibli 115-652.

**NOTE:**

1. This circuit is drawn as wired in Bora 117-450. Ghibli 115-1346 contains the same electronic ignition module and may be wired the same. Bora colors are shown and are probably different in the Ghibli.



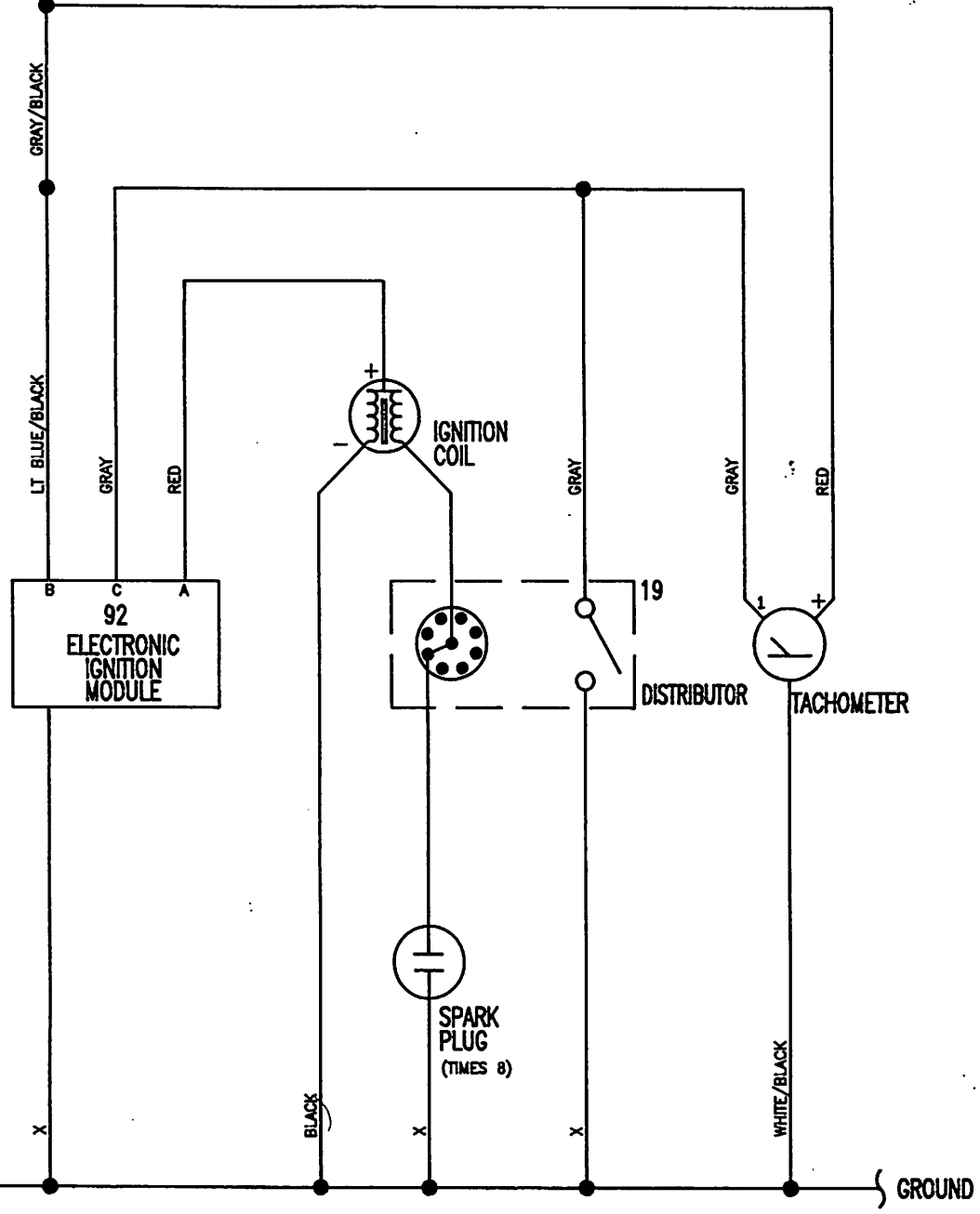
SECTION (SWN LOCATION)

START RESISTOR (FROM COIL)

19

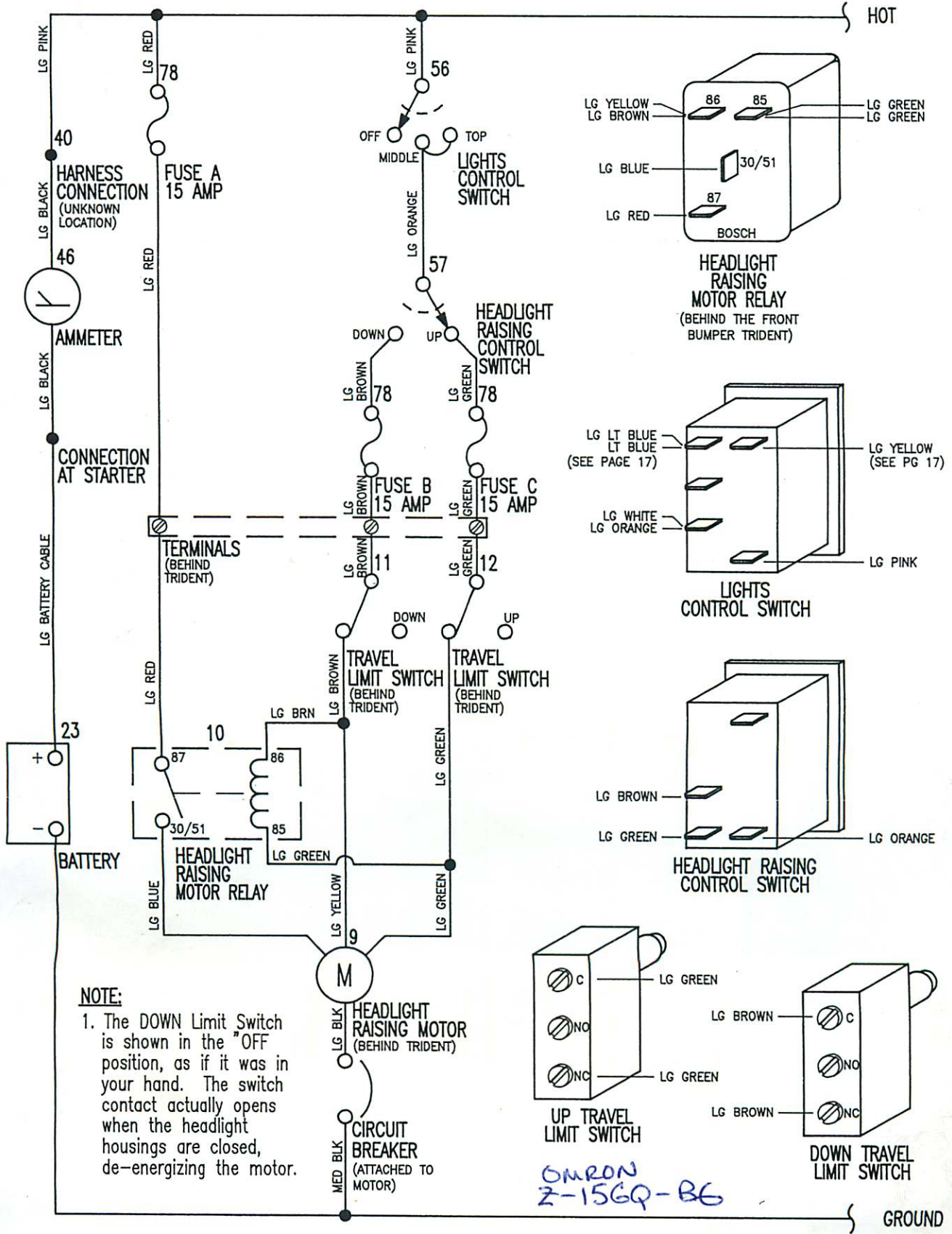
DISTRIBUTOR

WIRES

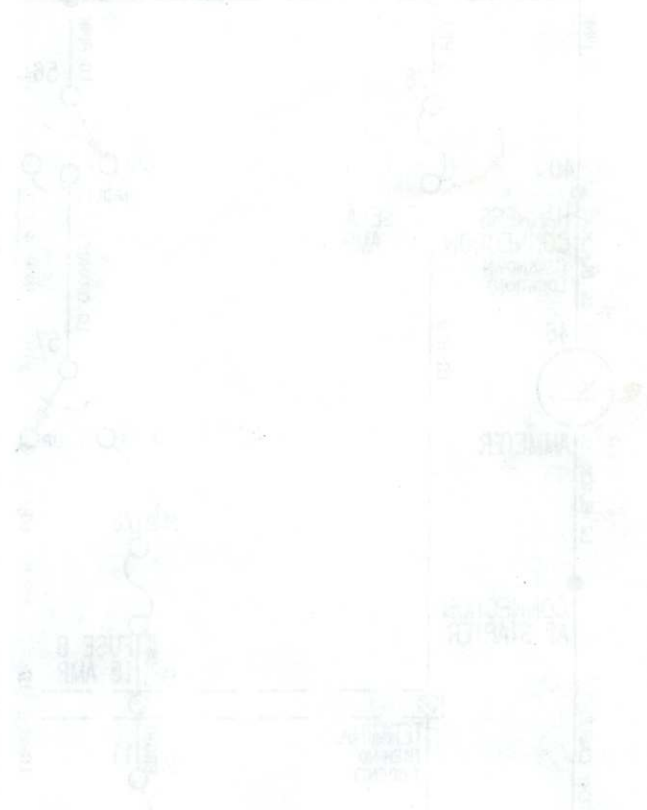
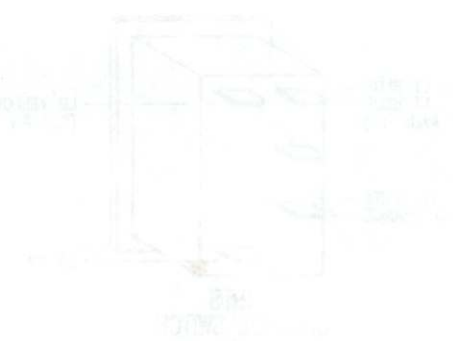
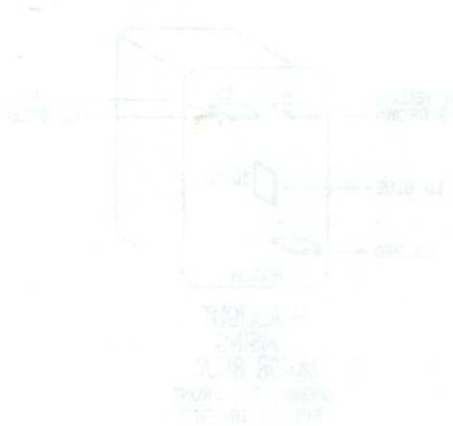


**IGNITION CIRCUIT**

# MASERATI GIBLI ELECTRICAL SCHEMATICS



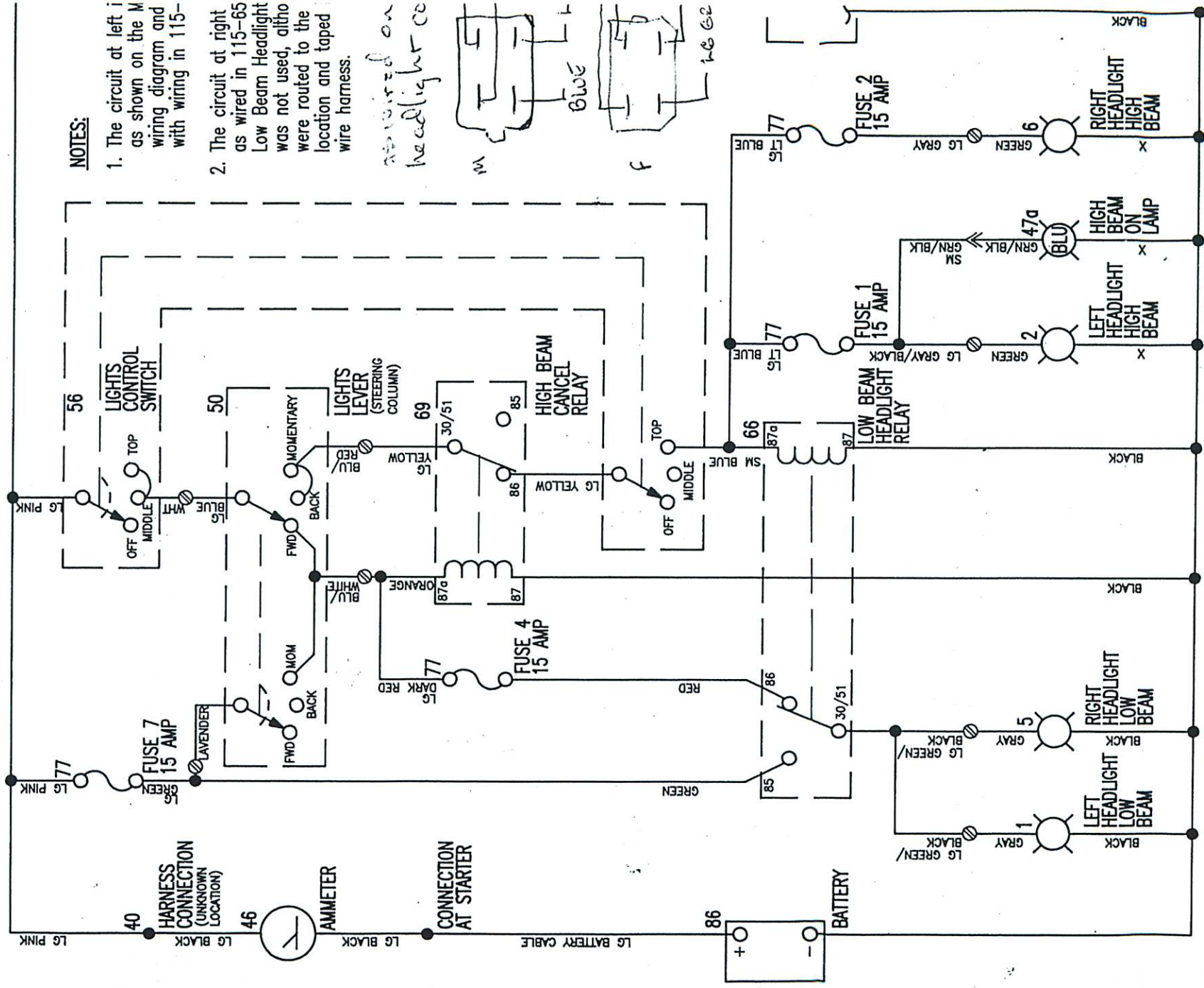
## HEADLIGHT DOOR CIRCUITS



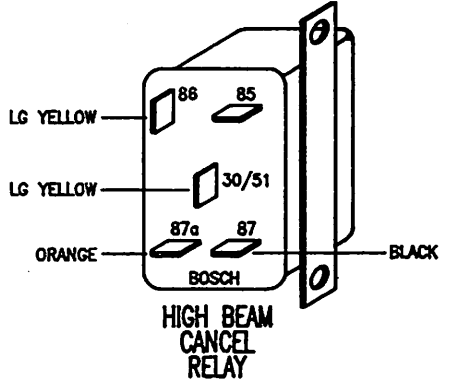
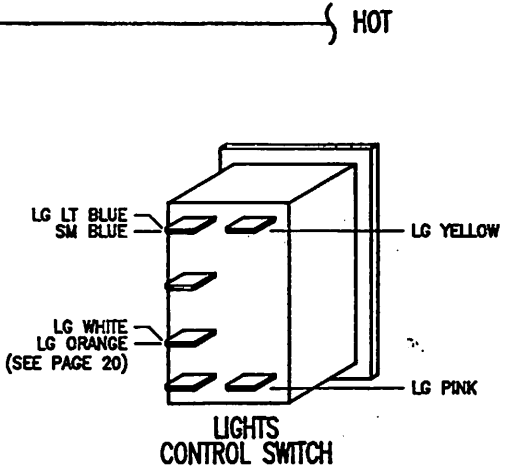
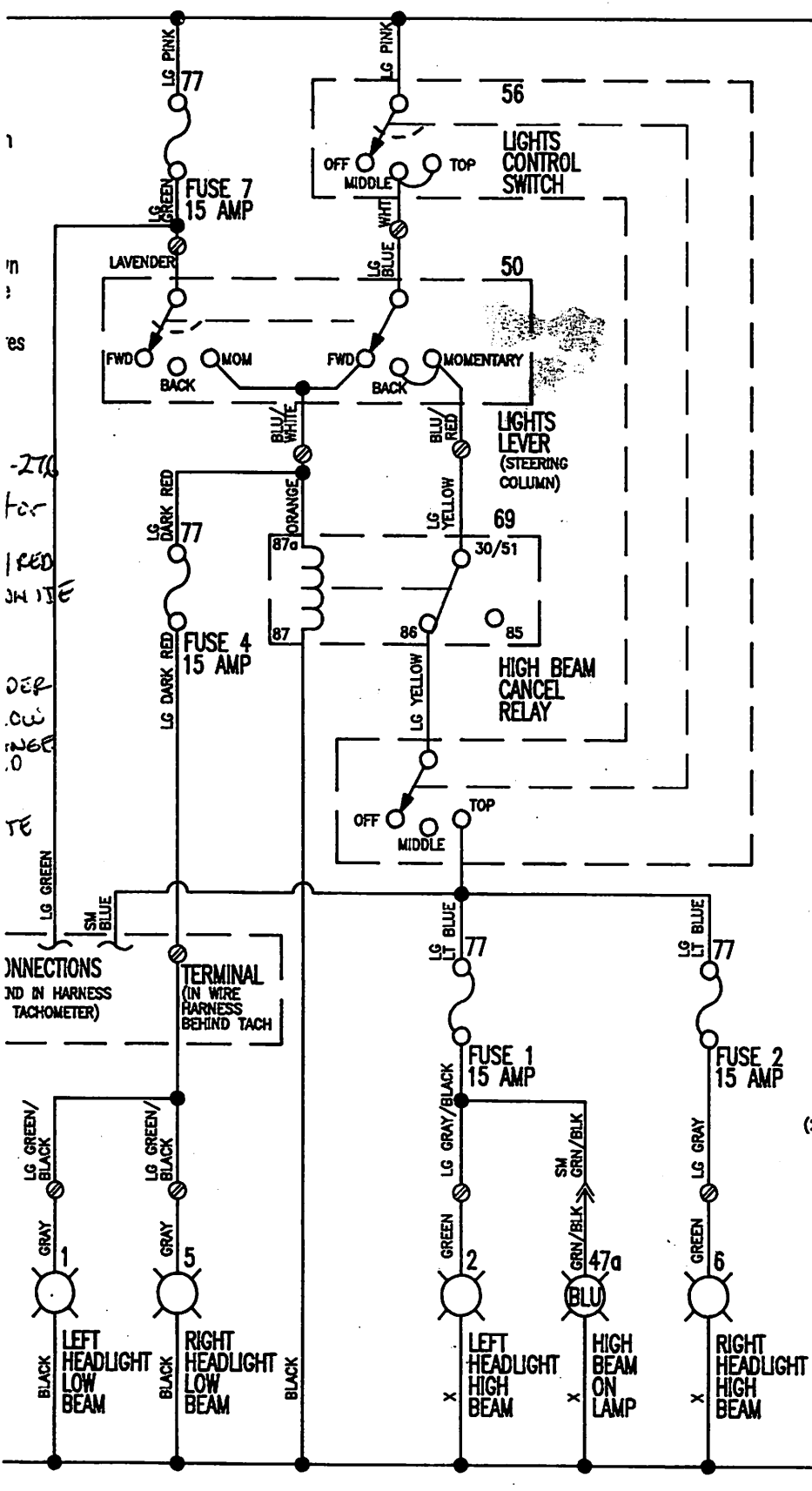
Need  
Mish beam relay  
Fan Motor relay



# MASERATI GHIBLI

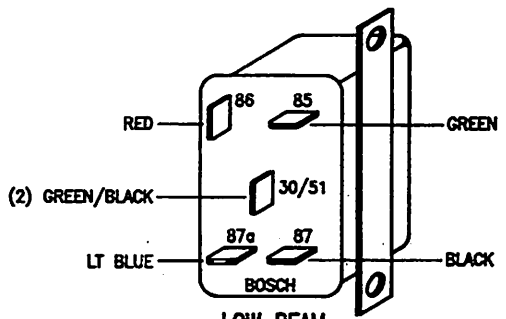


# ELECTRICAL SCHEMATICS



(BEHIND SPEEDOMETER)  
(TOP RELAY IN 115.652)  
(SINGLE RELAY IN 115.1346)

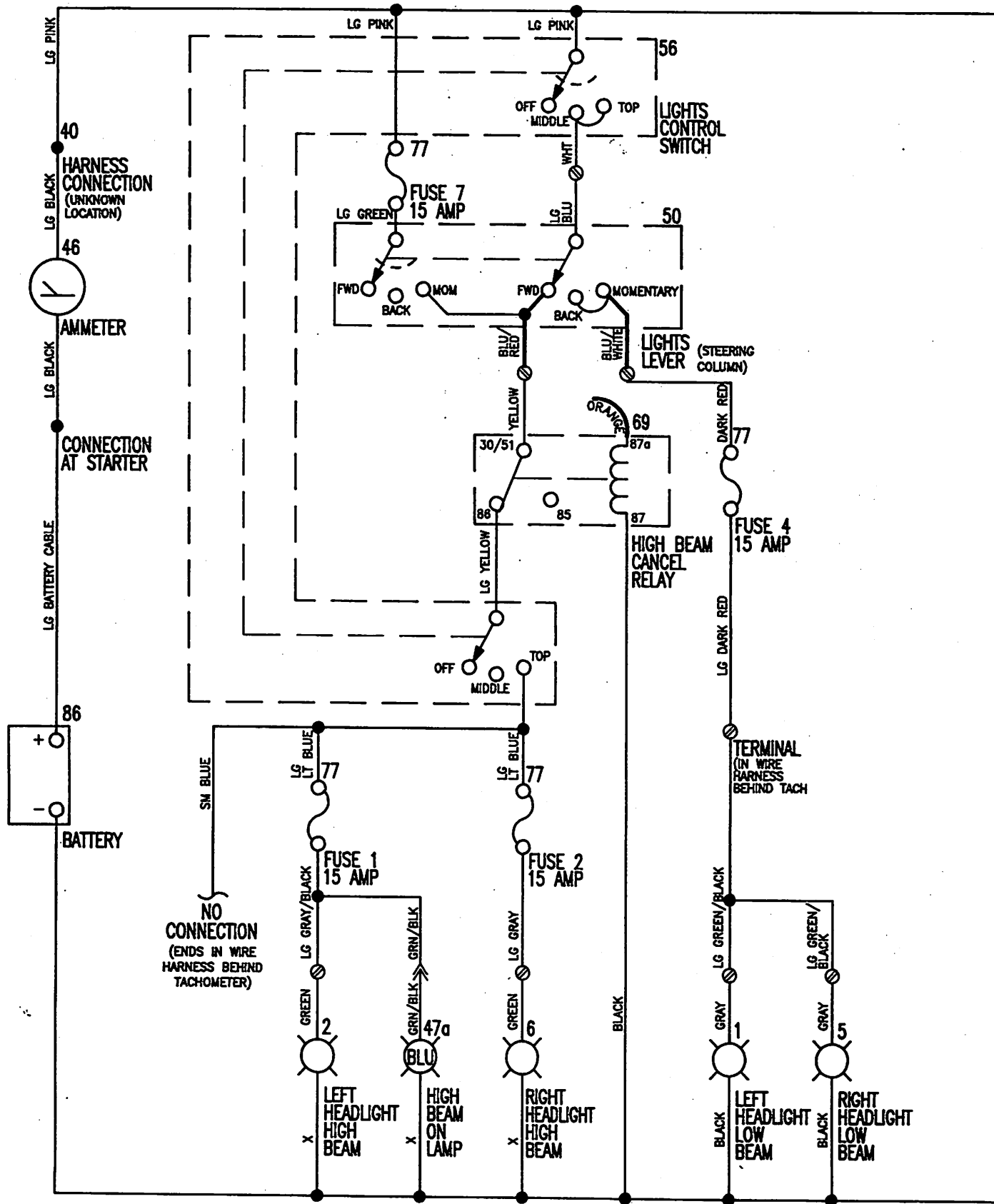
*BOSCH SIZE 22AZ 12V*

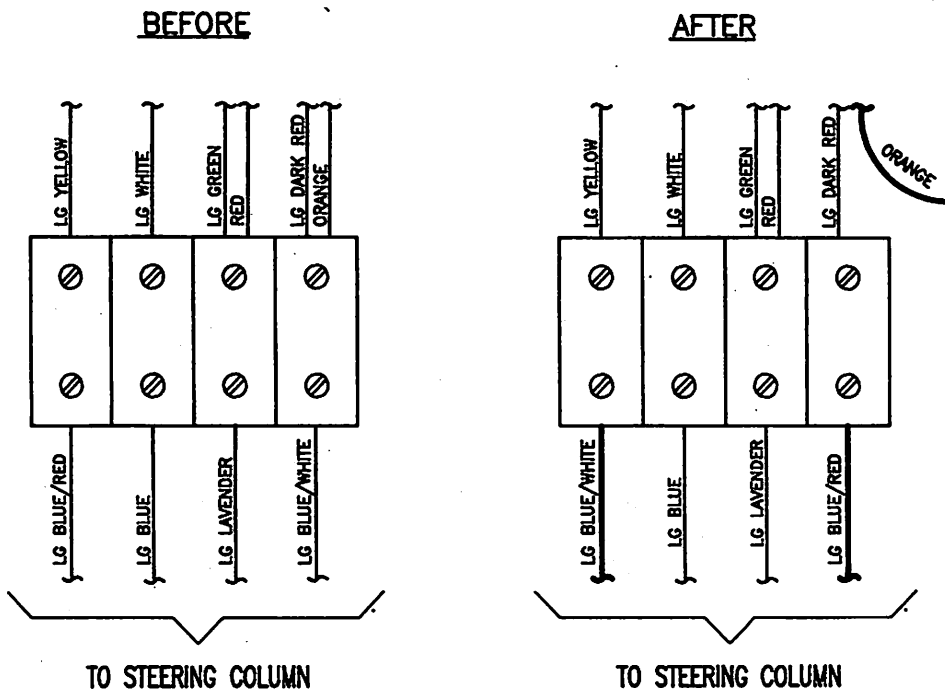


(BEHIND TACHOMETER)  
(NO RELAY IN 115.652)  
(RELAY IS IN 115.1348)

## LIGHT CIRCUITS: HEADLIGHTS

# MASERATI GHIBLI

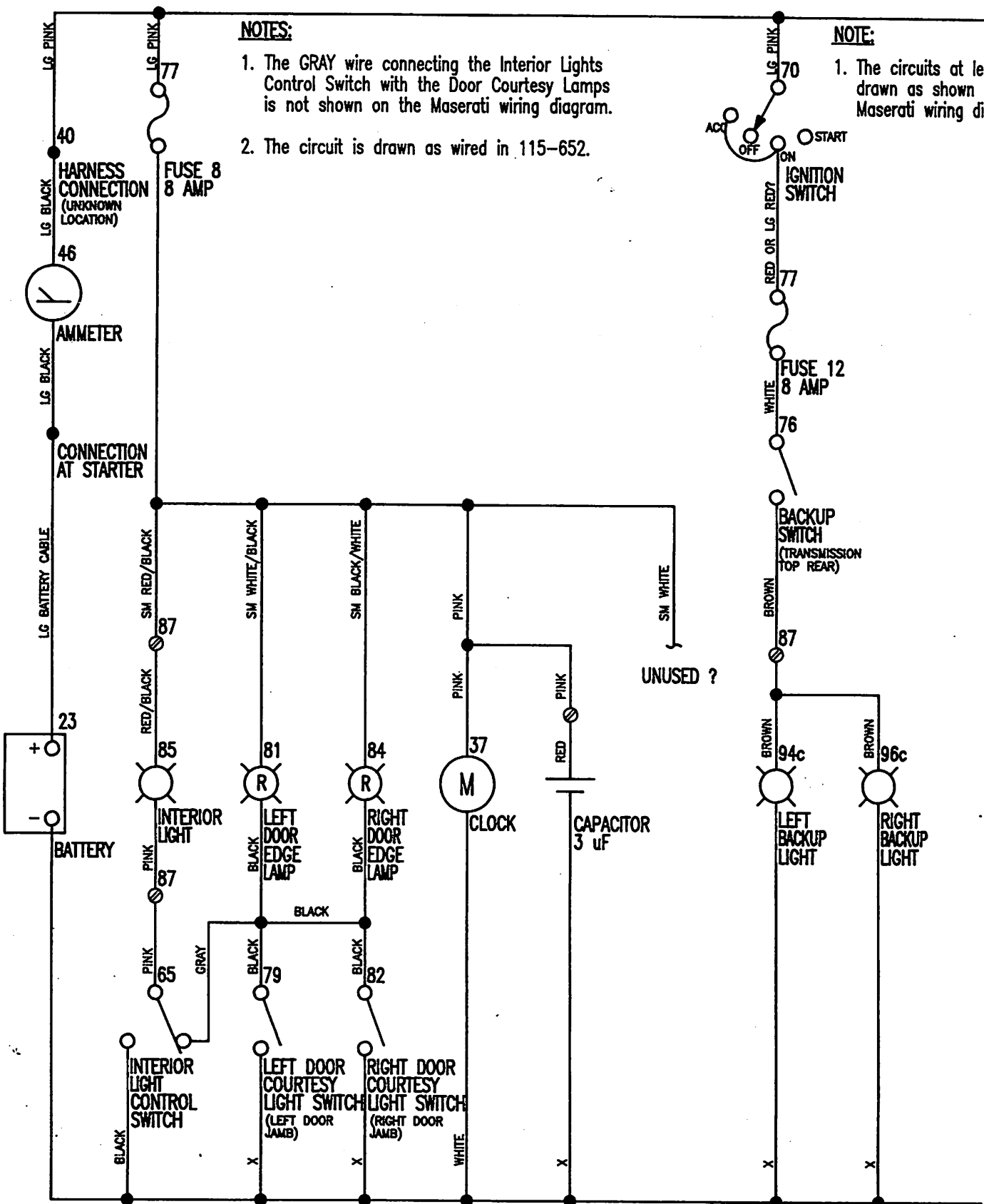


**NOTES:**

1. This is an easy modification that provides high beam flashing, instead of low beam flashing. With the ignition OFF, all wires are de-energized and there will be no chance of causing a problem.
2. Locate the terminal blocks along the left side of the steering column. Identify the BLUE/WHITE and BLUE/RED wires coming out of the steering column to the four point terminal block. Remove the two wires at the terminal block and reverse them.
3. Identify the Orange (Cantelope) wire at the same terminal block and remove it. Tape the wire end and leave it loose.



# MASERATI GHIBLI

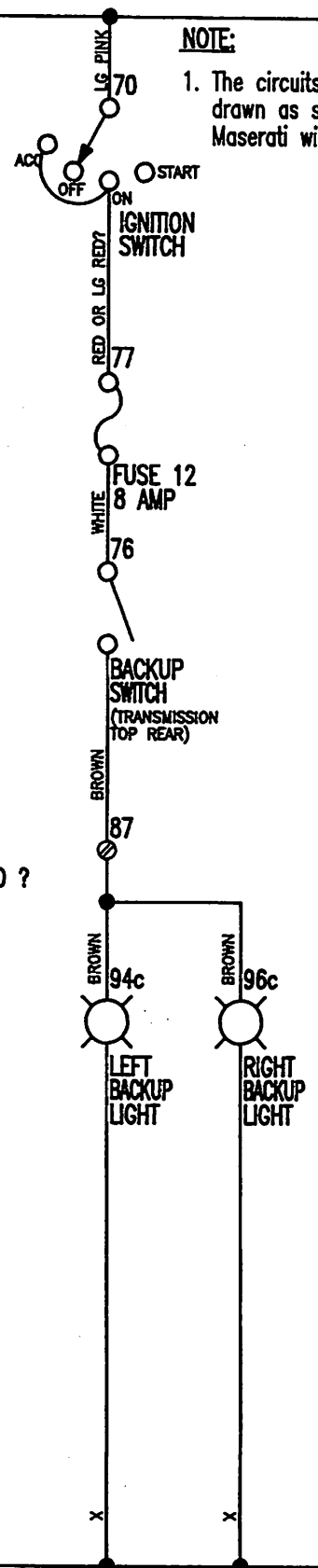


**NOTES:**

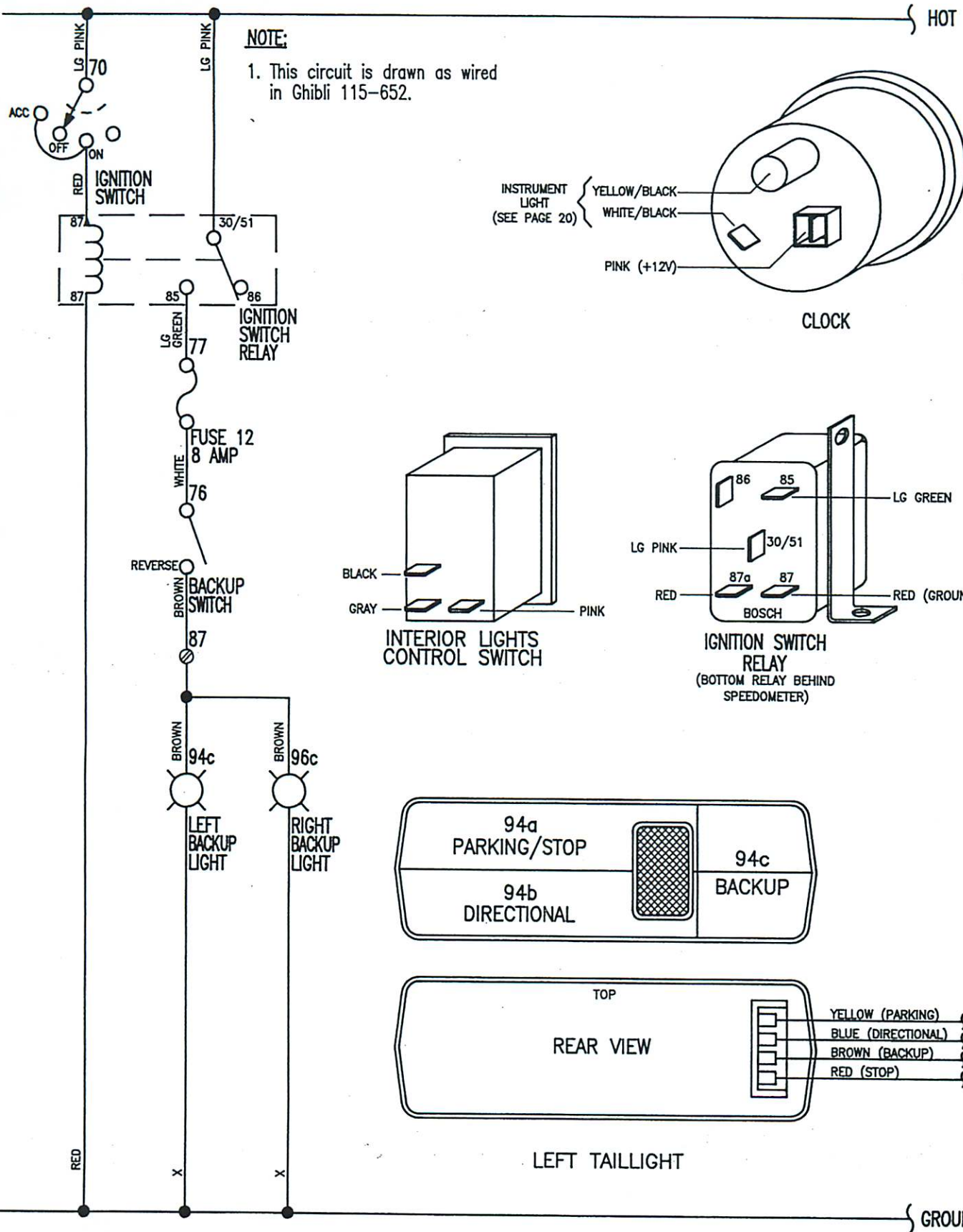
1. The GRAY wire connecting the Interior Lights Control Switch with the Door Courtesy Lamps is not shown on the Maserati wiring diagram.
2. The circuit is drawn as wired in 115-652.

**NOTE:**

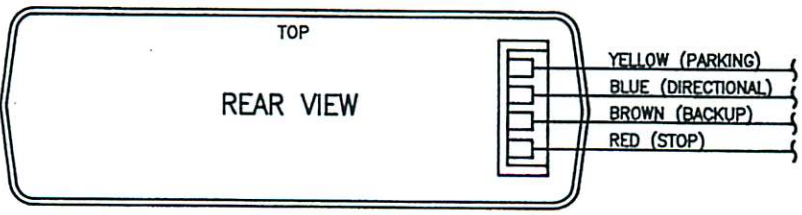
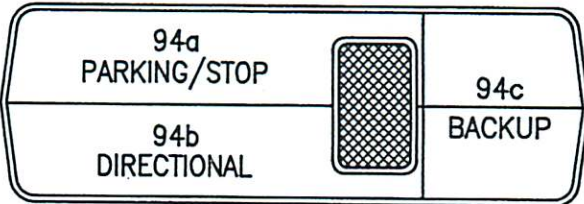
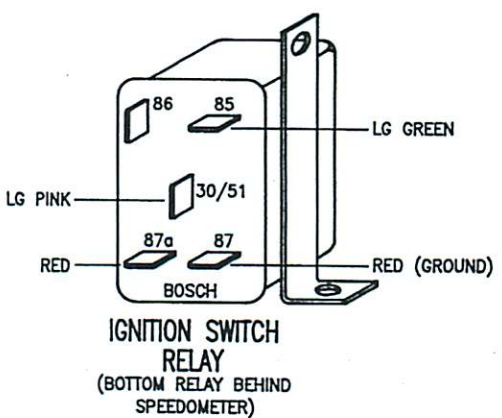
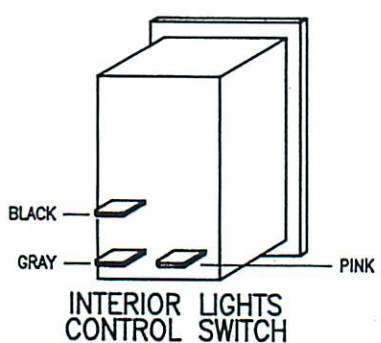
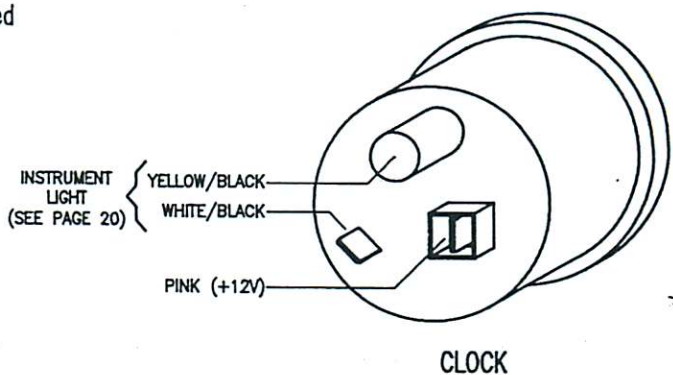
1. The circuits at the bottom are drawn as shown on the Maserati wiring diagram.



# ELECTRICAL SCHEMATICS

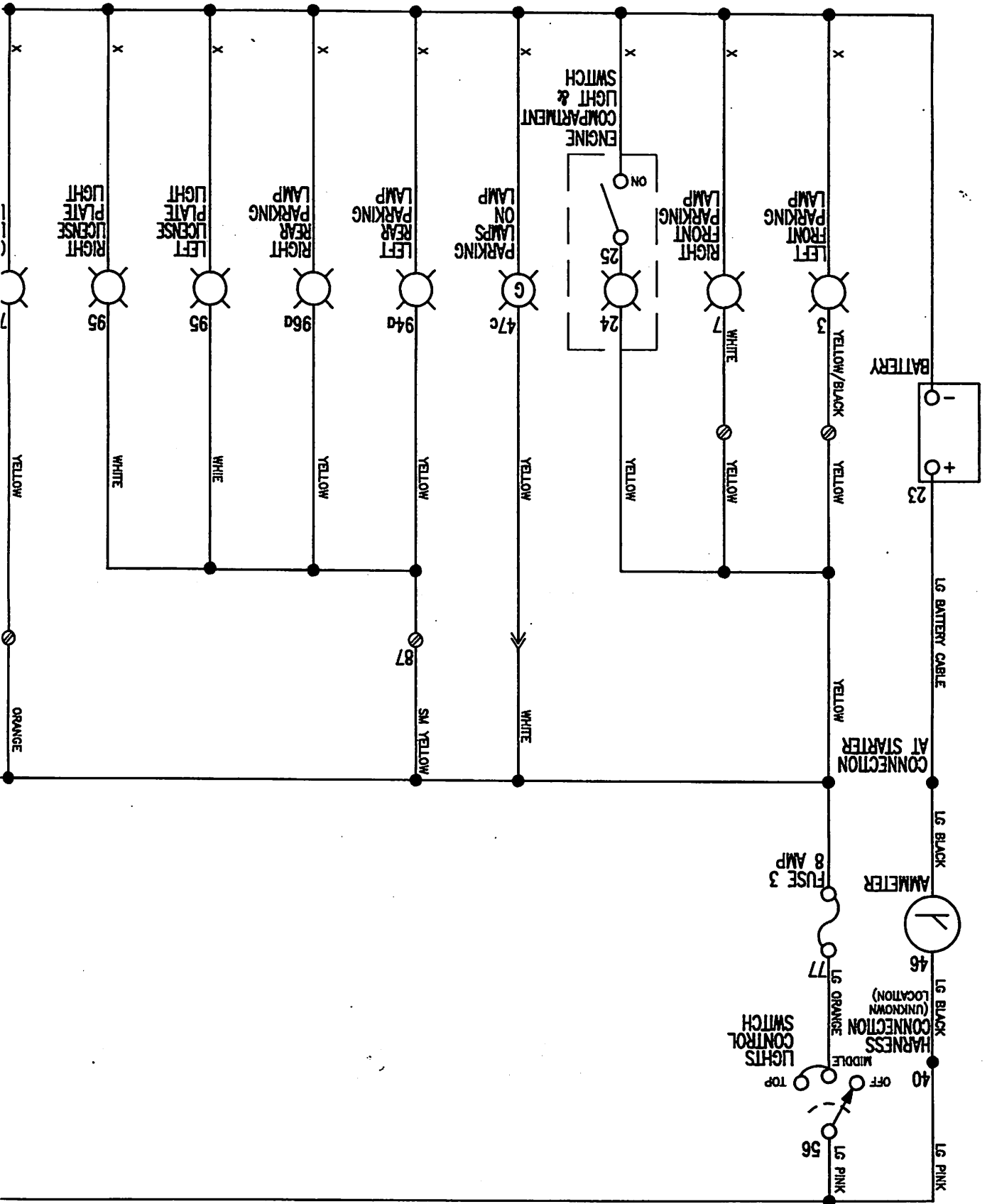


**NOTE:**  
1. This circuit is drawn as wired in Ghibli 115-652.

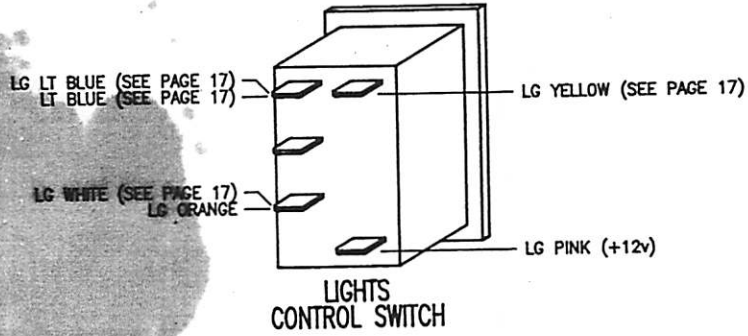
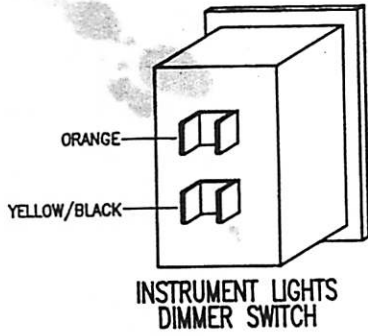


LEFT TAILLIGHT

## LIGHT CIRCUITS: INTERIOR, DOOR, BACKUP

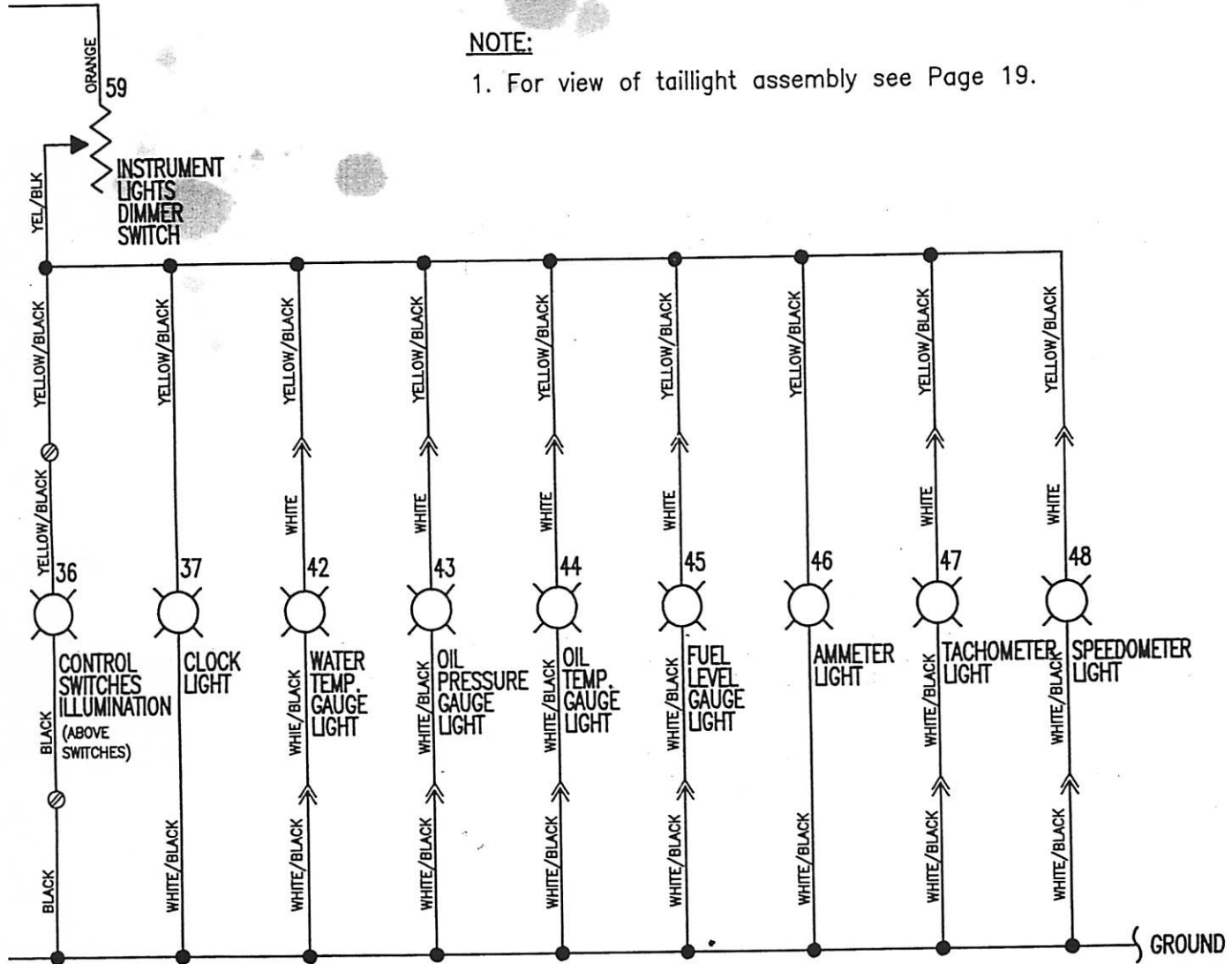


HOT

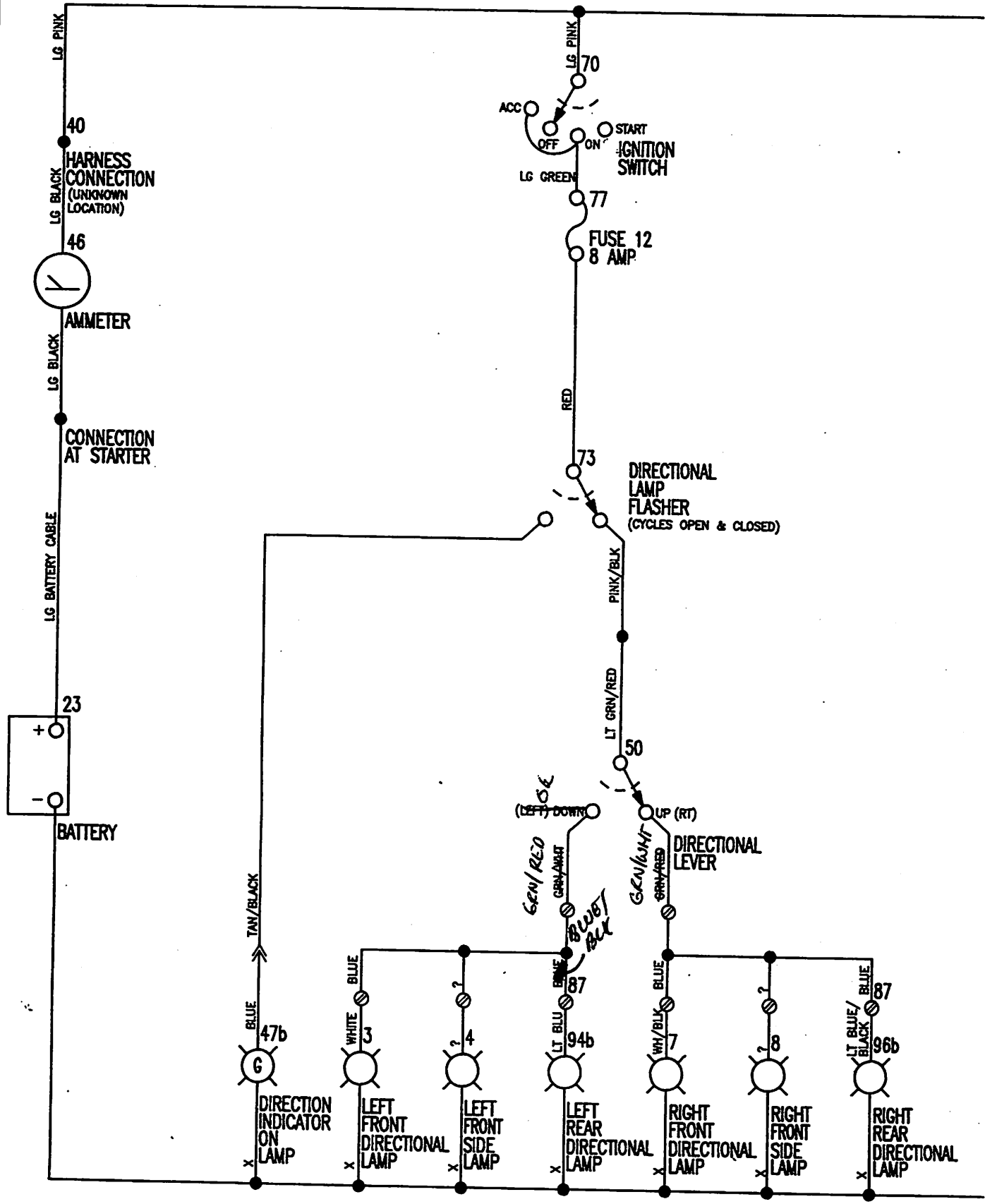


**NOTE:**

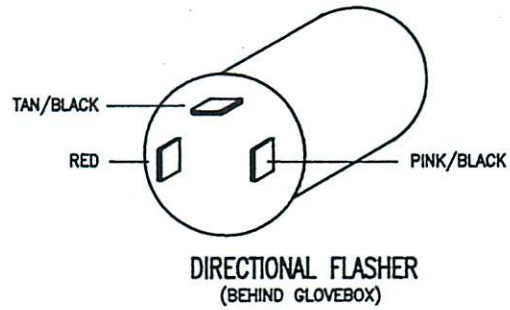
1. For view of taillight assembly see Page 19.



# MASERATI GIBLI



} HOT

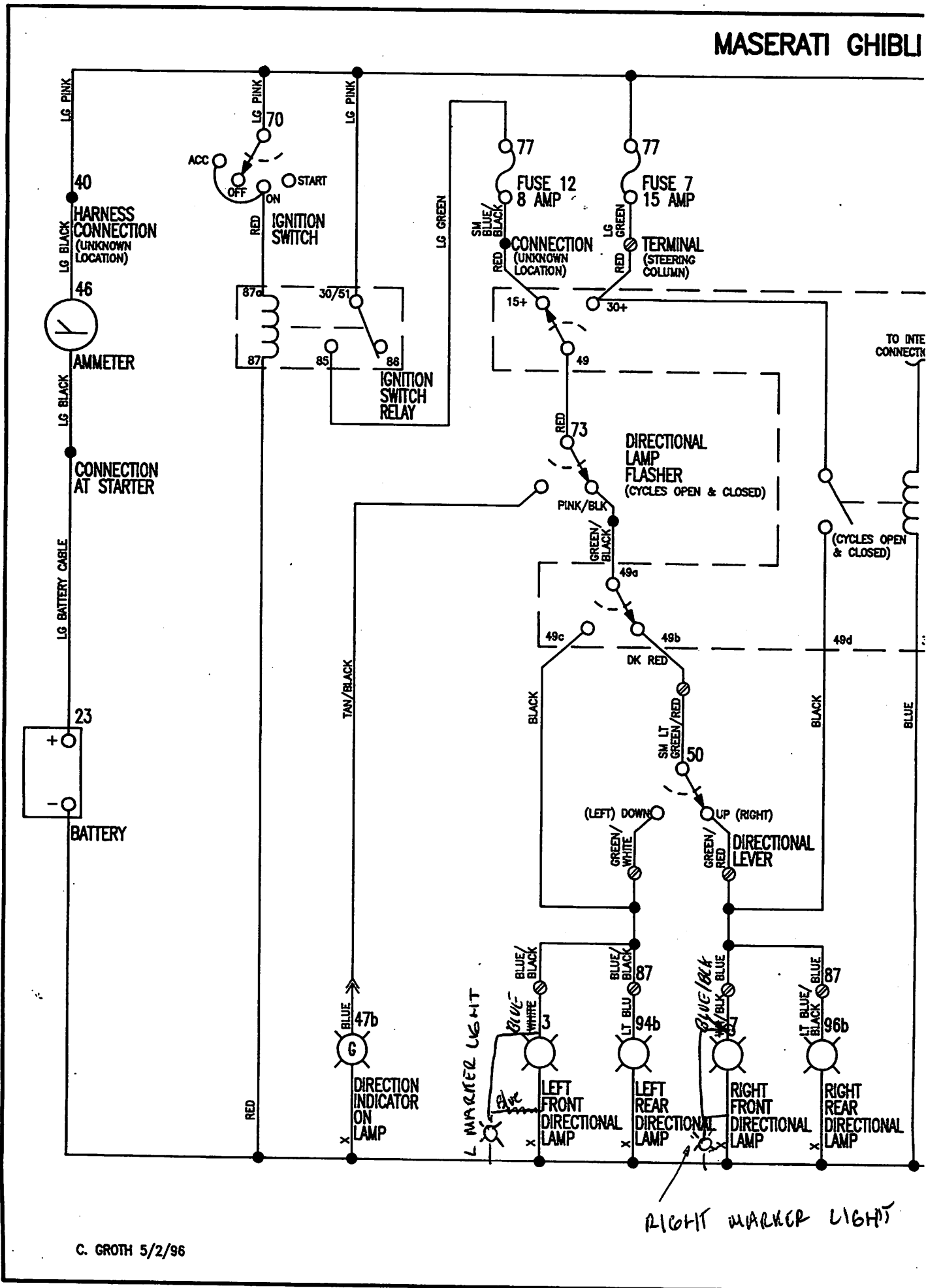


NOTES:

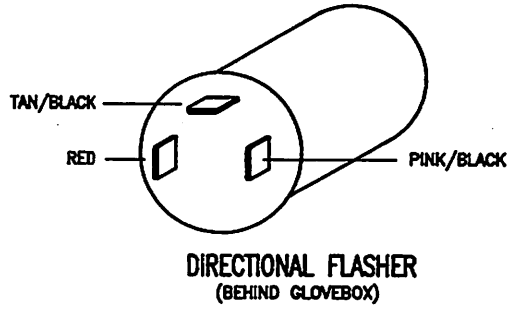
1. This circuit is drawn as shown in the Maserati wiring diagram.
2. For view of taillight assembly see Page 19.

} GROUND

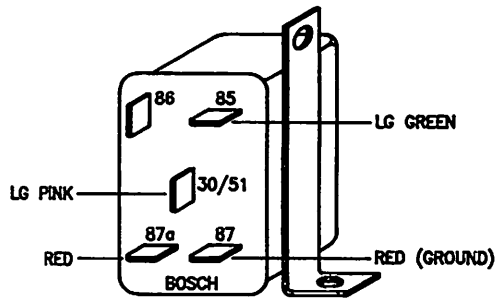
# MASERATI GHIBLI



↳ HOT

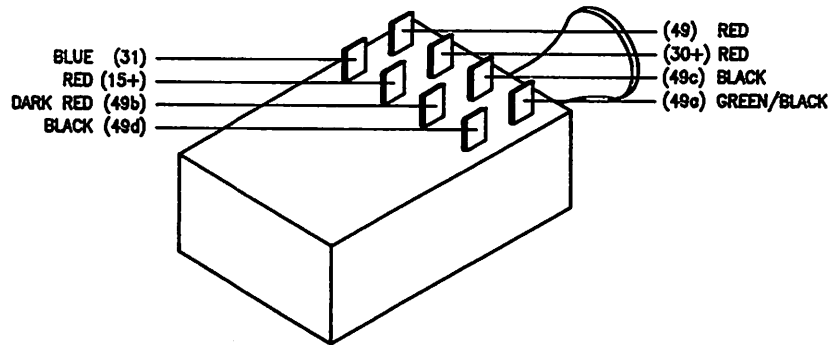


DIRECTIONAL FLASHER  
(BEHIND GLOVEBOX)



IGNITION SWITCH RELAY  
(BOTTOM RELAY BEHIND SPEEDOMETER)

4-WAY  
FLASHER  
CONTROL  
SWITCH



4-WAY FLASHER CONTROL SWITCH

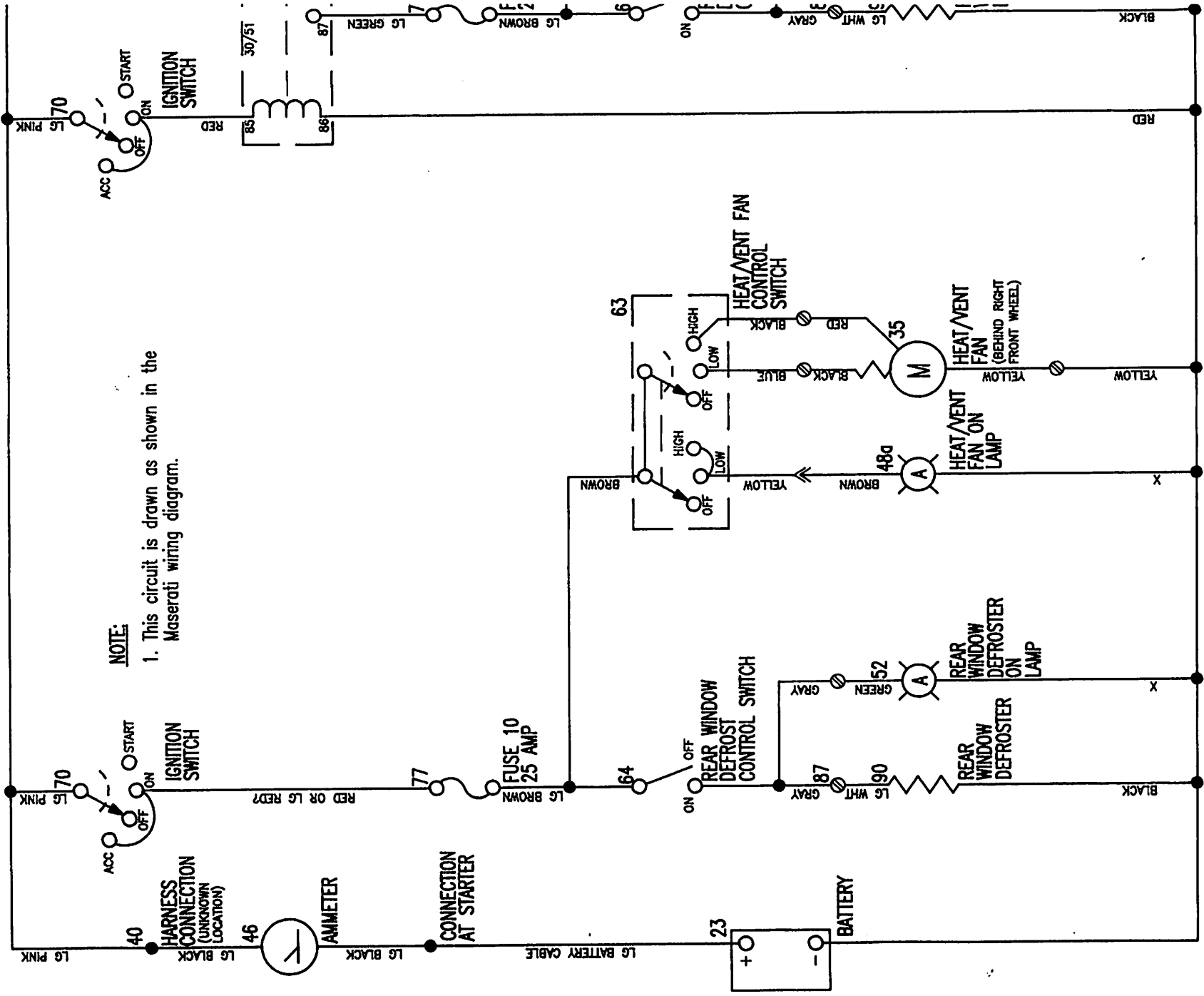
NOTES:

1. This circuit is drawn as wired in Ghibli 115-~~652~~ <sup>276</sup>
2. For view of taillight assembly see Page 19.

↳ GROUND



# MASERATI GHIBLI



**NOTE:**

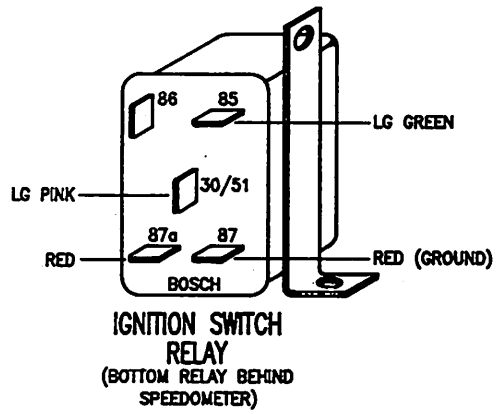
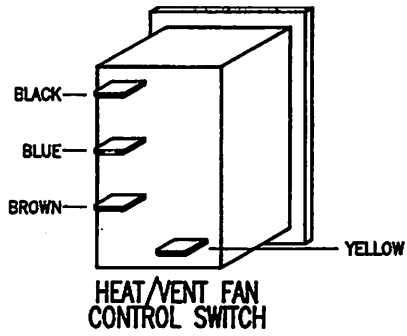
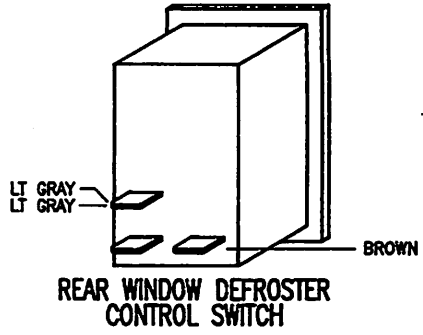
1. This circuit is drawn as shown in the Maserati wiring diagram.

# ELECTRICAL SCHEMATICS

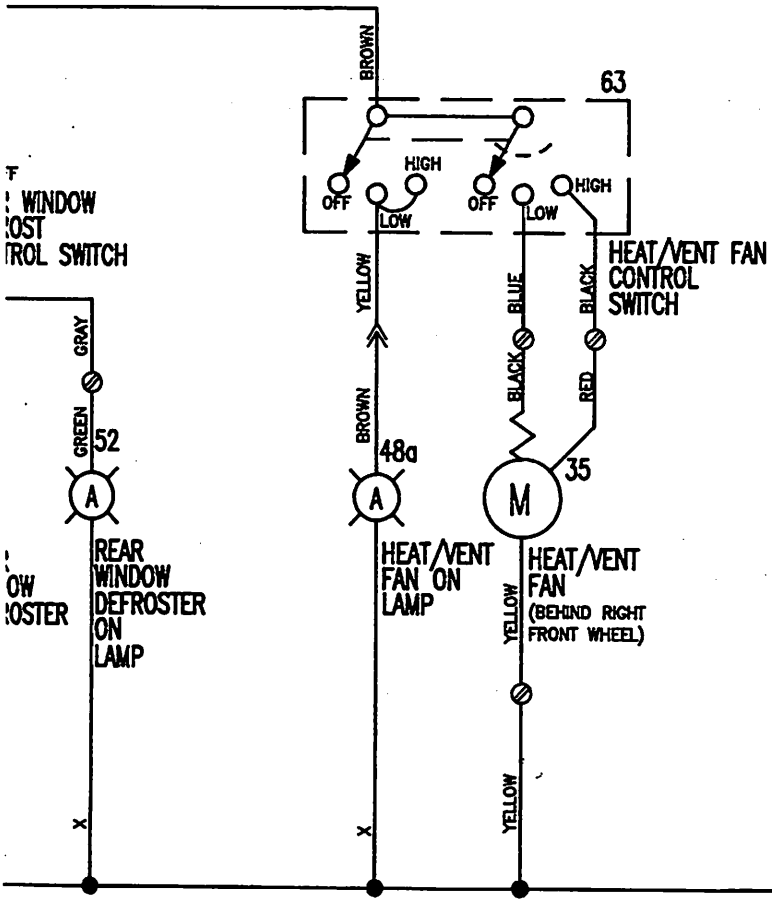
↳ HOT

**NOTE:**

1. This circuit is drawn as wired in Chibli 115-652.

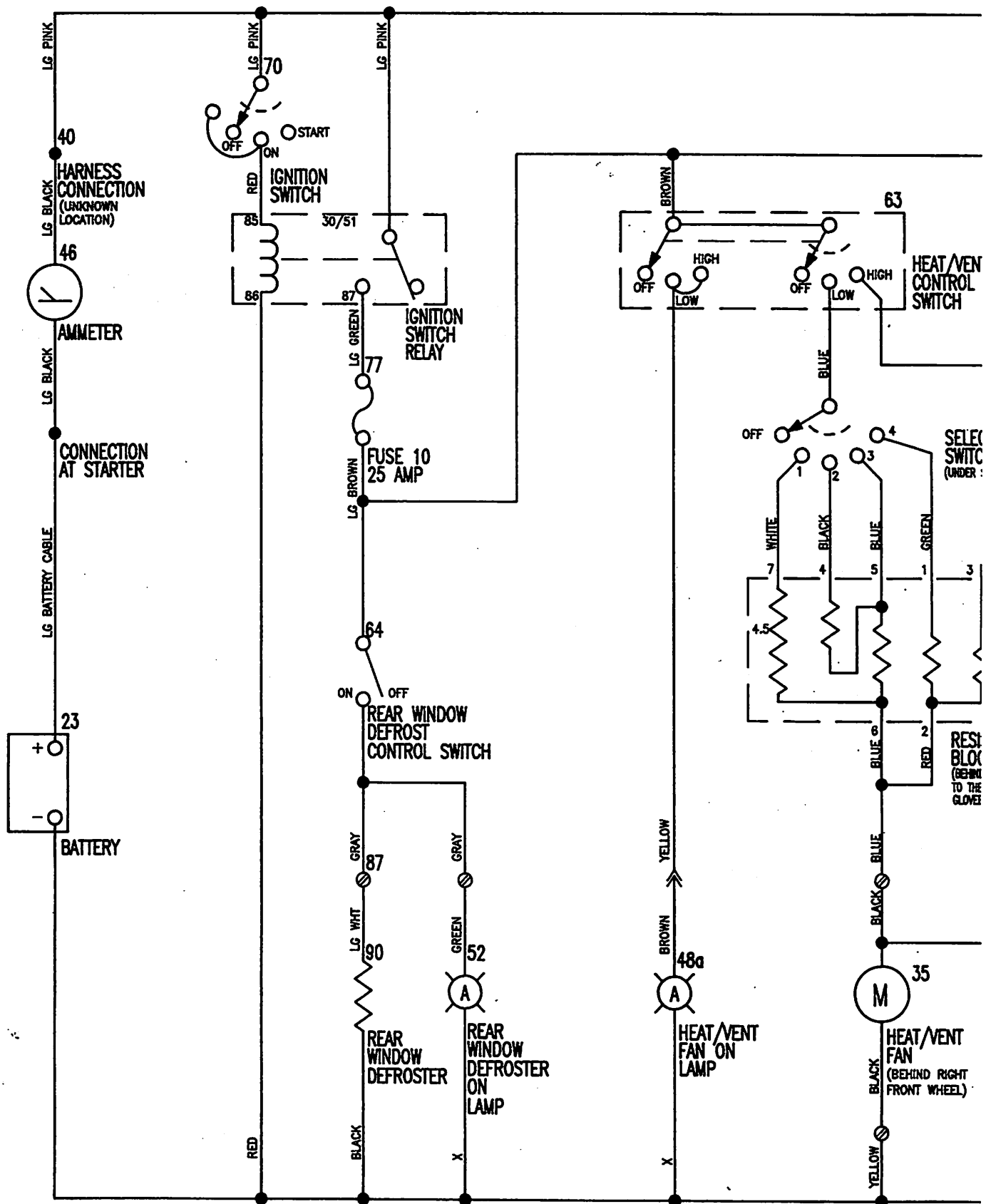


10 MP



↳ GROUND

# MASERATI GIBLI

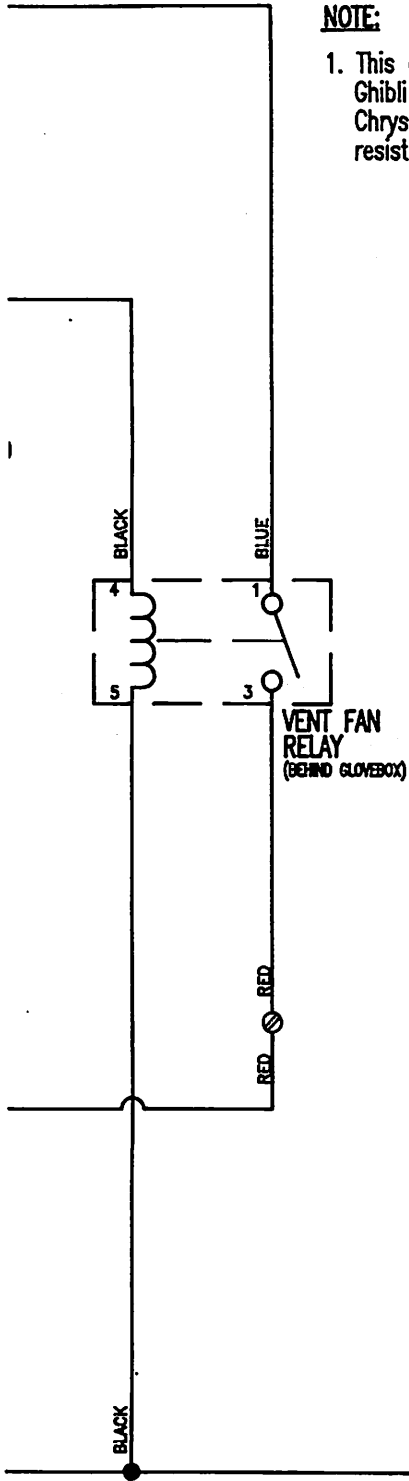
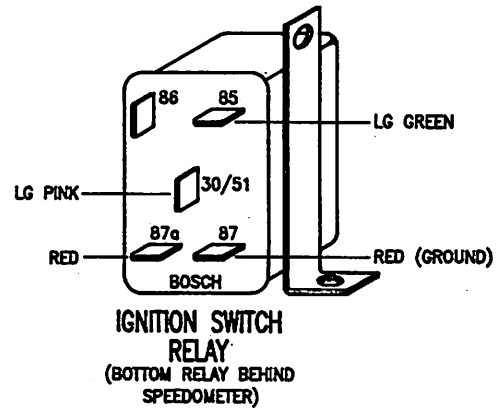
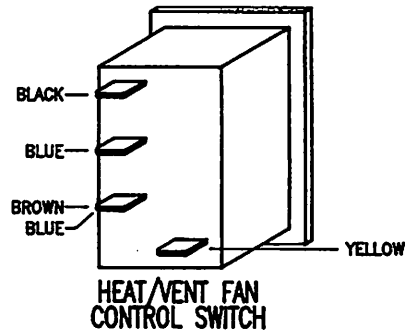
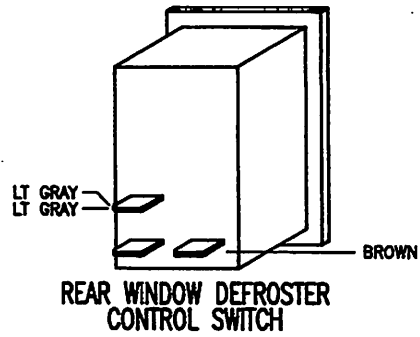


# ELECTRICAL SCHEMATICS

HOT

**NOTE:**

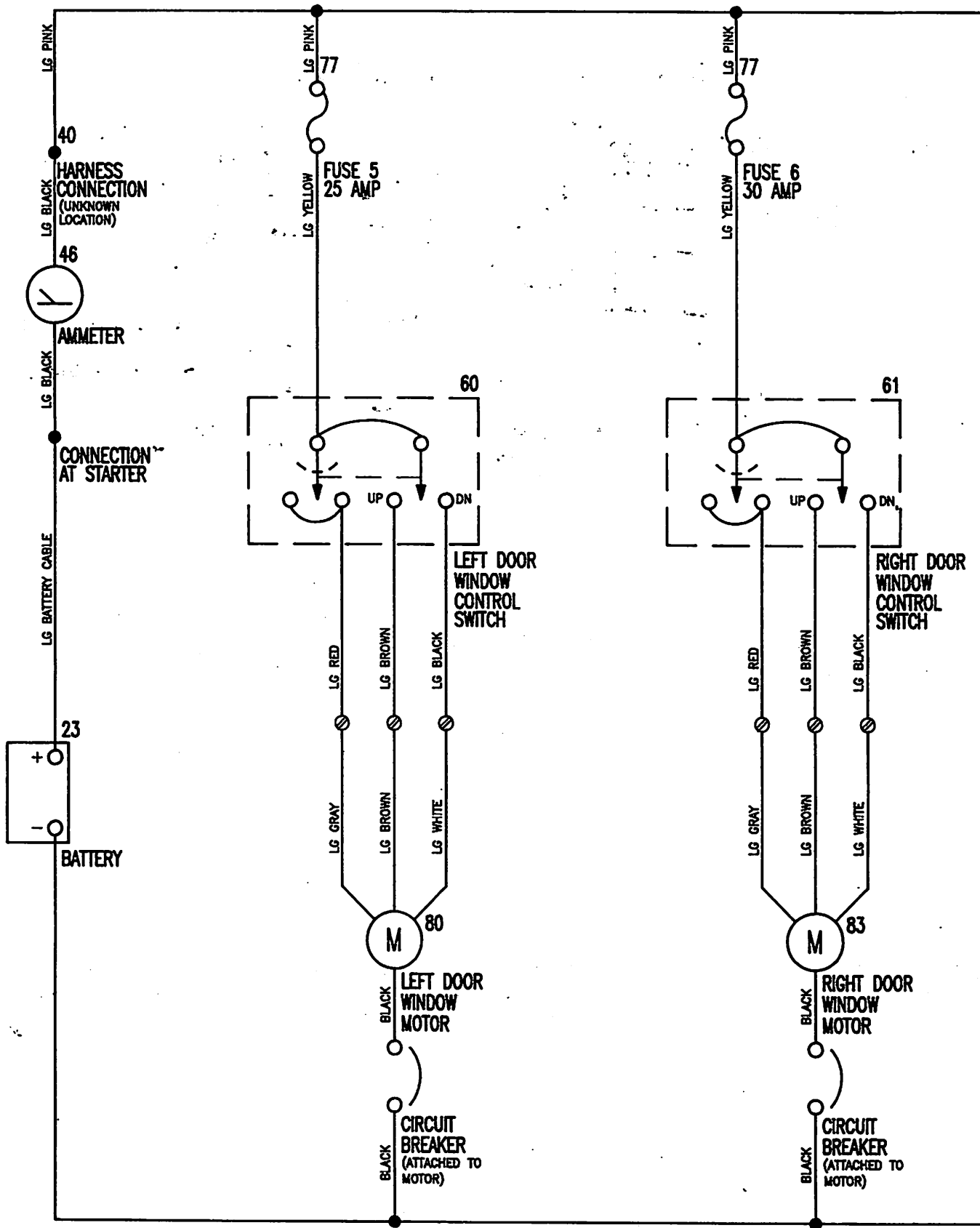
1. This circuit is drawn as wired in Ghibli 115-652. This includes a Chrysler blower fan and Ford resistor block.



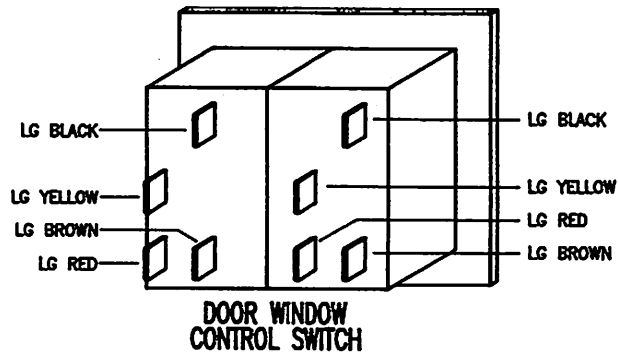
GROUND

## VENT FAN, REAR WINDOW DEFROSTER CIRCUITS

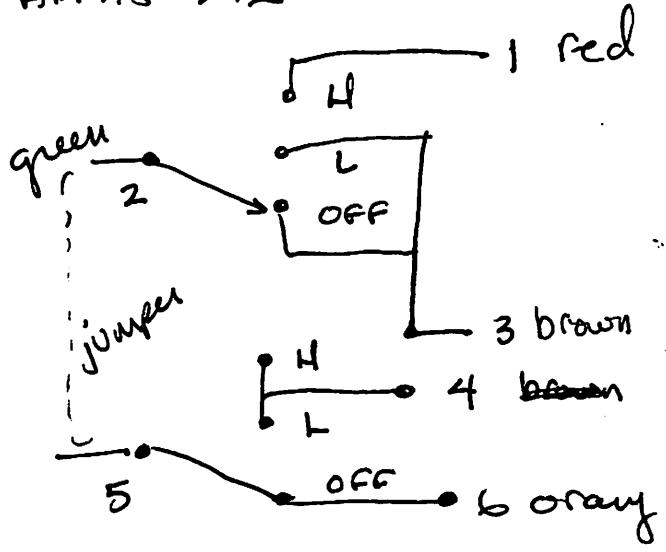
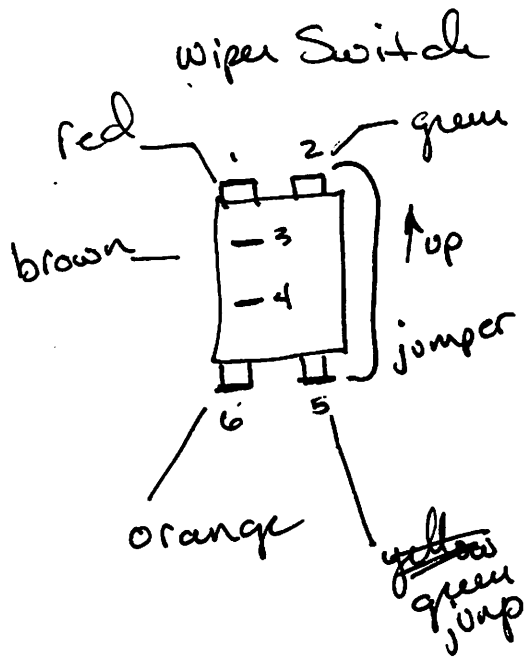
# MASERATI GIBLI



↳ HOT



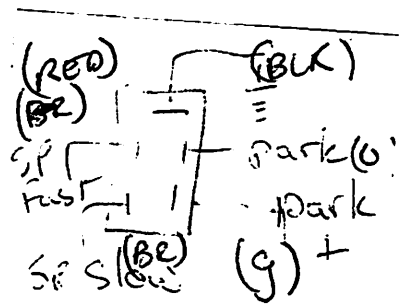
↳ GROUND

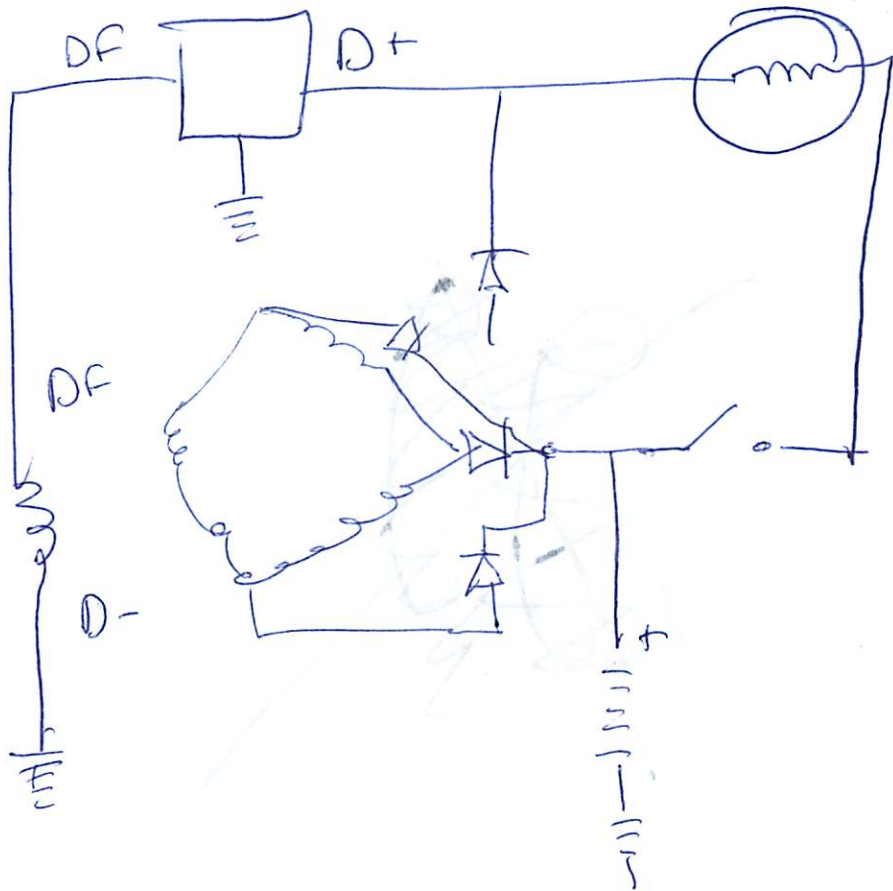


RED HIGH  
GREEN

BROWN LOW  
GREEN

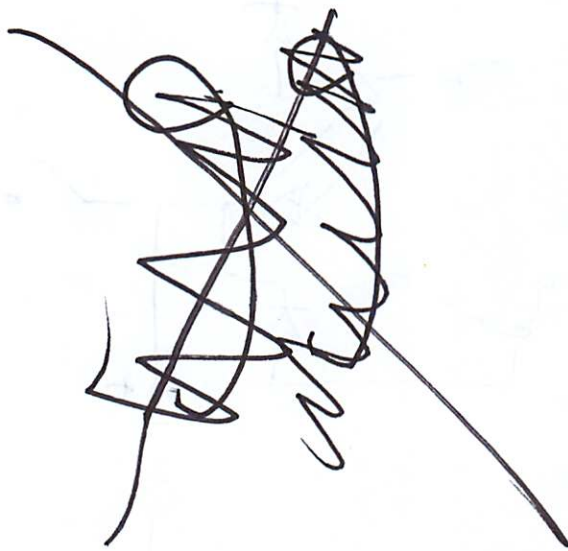
BROWN OFF  
GREEN  
ORANGE





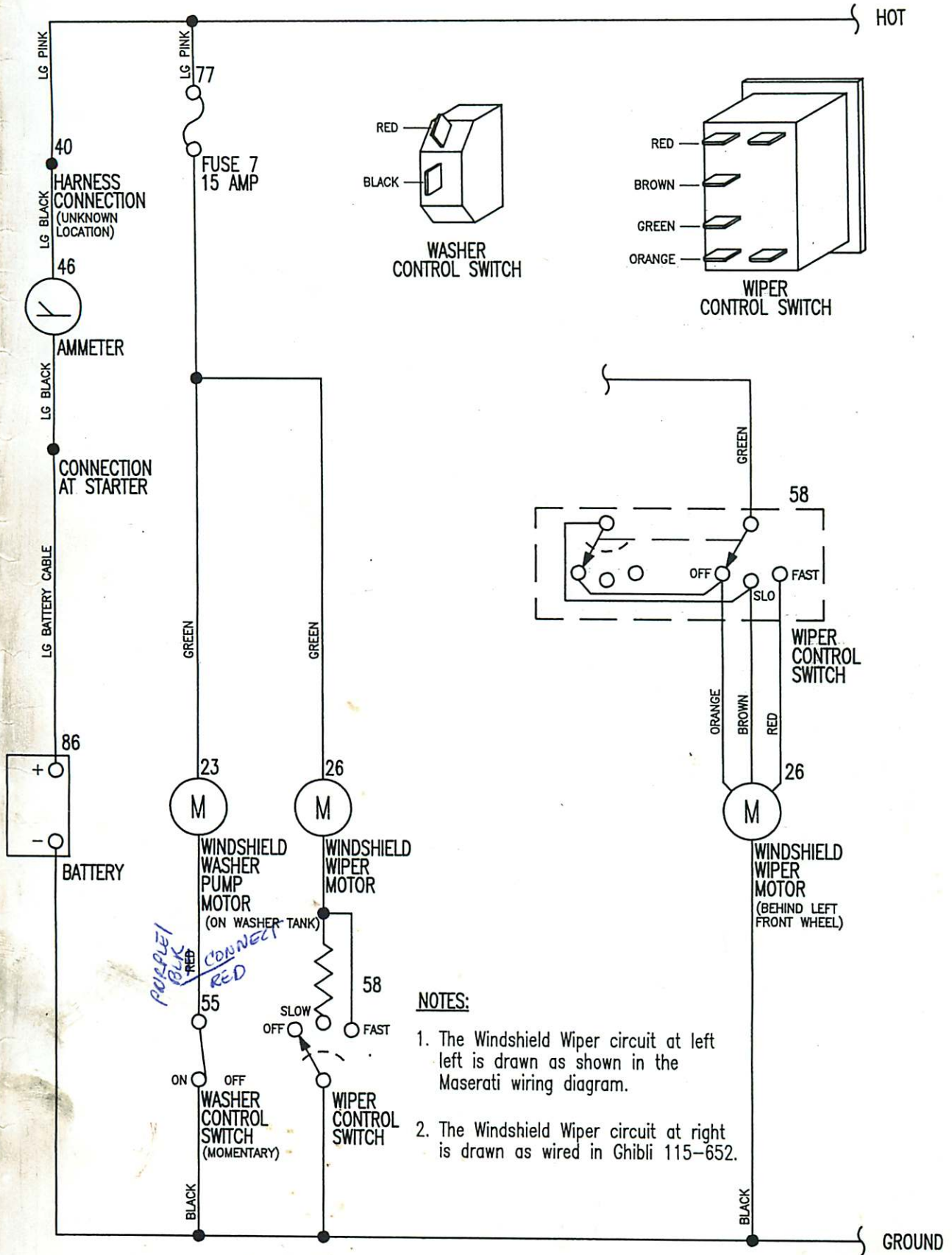


FLOAM;  
1-800-930-6067



9

# MASERATI GHIBLI ELECTRICAL SCHEMATICS

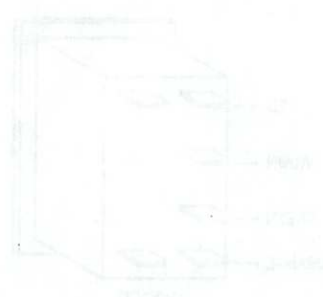


**NOTES:**

1. The Windshield Wiper circuit at left left is drawn as shown in the Maserati wiring diagram.
2. The Windshield Wiper circuit at right is drawn as wired in Ghibli 115-652.

## WINDSHIELD WIPER, WASHER CIRCUITS

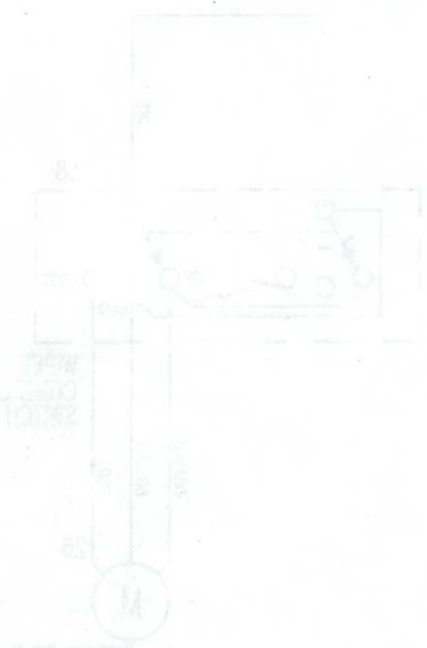
WASHER CIRCUIT ELECTRICAL SCHEMATIC



CONTROL PANEL



MOTOR WINDING



CONTROL PANEL CIRCUIT



MOTOR WINDING CIRCUIT

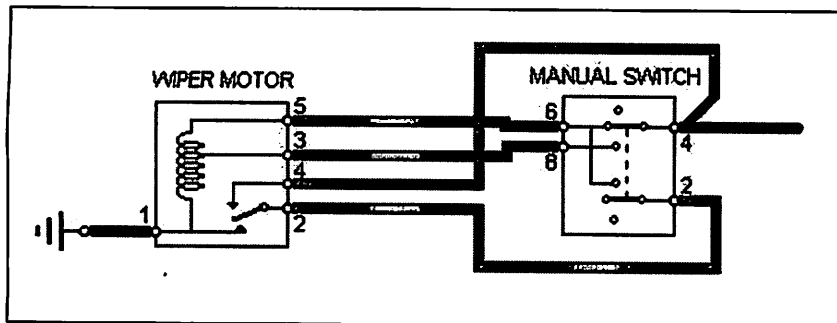
- 1. Washed with soap and water
- 2. Washed with alcohol
- 3. Washed with kerosene
- 4. Washed with turpentine
- 5. Washed with benzene
- 6. Washed with acetone
- 7. Washed with ether
- 8. Washed with carbon tetrachloride
- 9. Washed with chloroform
- 10. Washed with carbon disulfide
- 11. Washed with nitrobenzene
- 12. Washed with nitroethane
- 13. Washed with nitromethane
- 14. Washed with nitrobenzene
- 15. Washed with nitroethane
- 16. Washed with nitromethane
- 17. Washed with nitrobenzene
- 18. Washed with nitroethane
- 19. Washed with nitromethane
- 20. Washed with nitrobenzene

Last updated

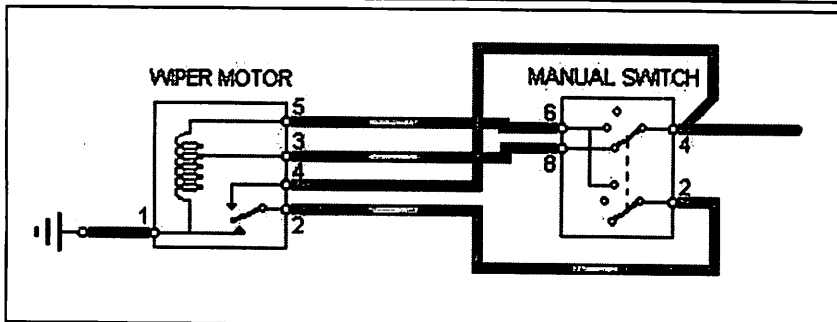
01/07/2006 10:05:18

## Later parking system (round motor)

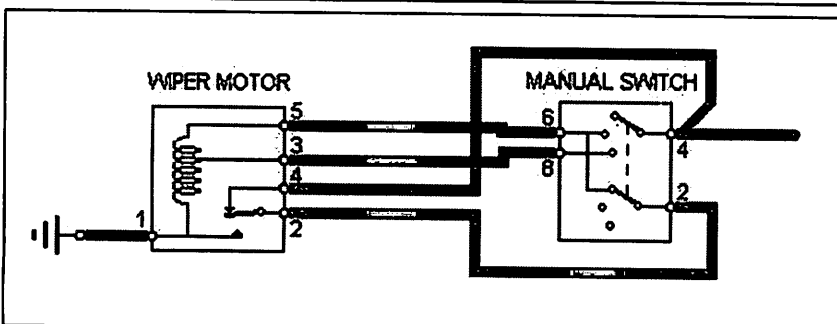
Hover over a wire to confirm the colour



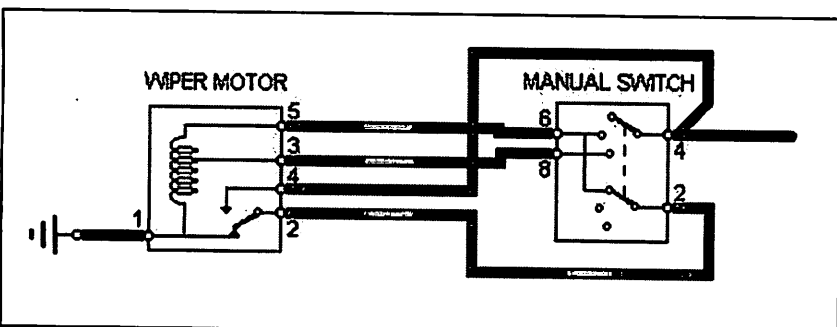
Wipers running at slow speed. 12v from Green through manual switch then via Red/Light-green to motor. Motor parking switch is disconnected.



Wipers running at fast speed. 12v from Green through manual switch then via Blue/Light-green to motor. Motor parking switch is disconnected.

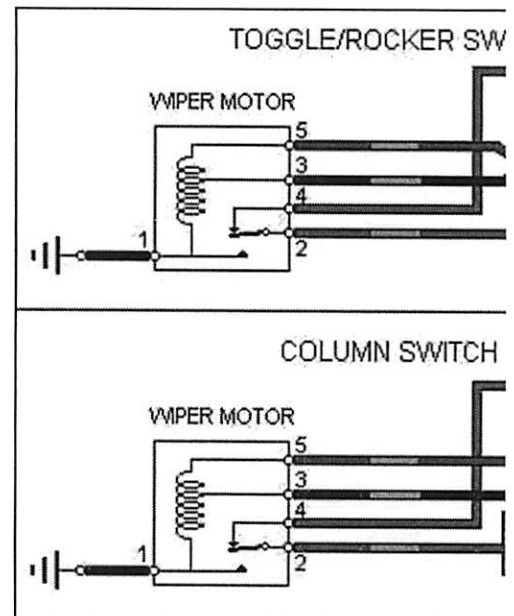


Wipers switched off but not yet parked. 12v from Green through motor parking switch, from motor to manual switch on Brown/Light-green, through manual switch (off) then to slow-speed winding of motor on Red/Light-green.



When the wipers reach the park position the motor park switch changes over and connects a ground, via the Brown/Light-green, the manual switch (off), Red/Light-green to the slow-speed winding, effectively shorting it out and rapidly stopping any residual movement of the wipers. The wipers are now switched off and parked.

The above diagrams show the 2-speed motor. The rare, early GT single-speed round motor is similar but does not have the additional switch position and wire for the fast speed, of course. The diagrams show a logical representation of the manual switch, in practice the physical arrangement of contact switching is quite different as follows:



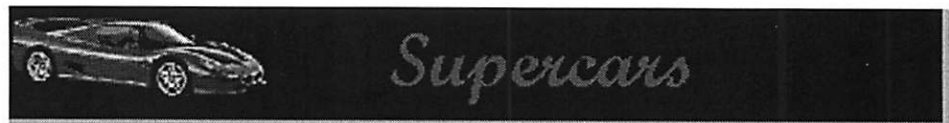
position, contacts 1, 2 (park, brown/light-green), 5 and 6 (slow, red/light-green) are connected together. In the slow position contacts 3, 4 (12v, green), 5 and 6 (red/light-green) are connected together, and in the fast position contacts 3, 4 (12v, green), 7 and 8 (blue/light-green) are connected together.

For the column switch in the off position the brown/light-green (park) and red/light-green (slow) wires are connected together. In the slow position the red/light-green and green (12v) wires are connected together, and in the fast position the green (12v) and blue/light-green wires are connected together. All of which the toggle/rocker switch does as well, but in a more complex fashion.

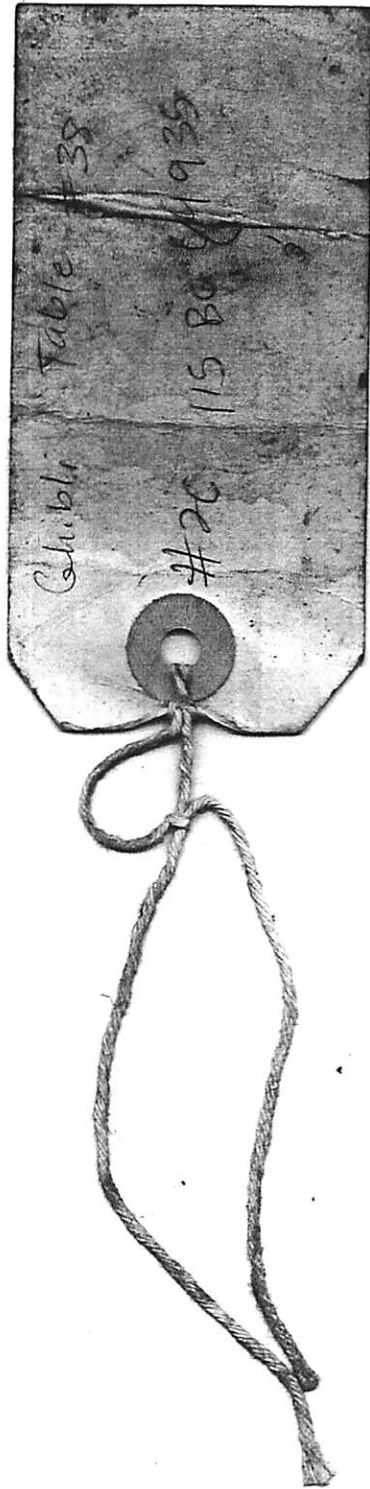
**FC** 1113499 FastCounter by

bcentral

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LinkExchange



Chibli

#20

Table

#38

115 B0

1939