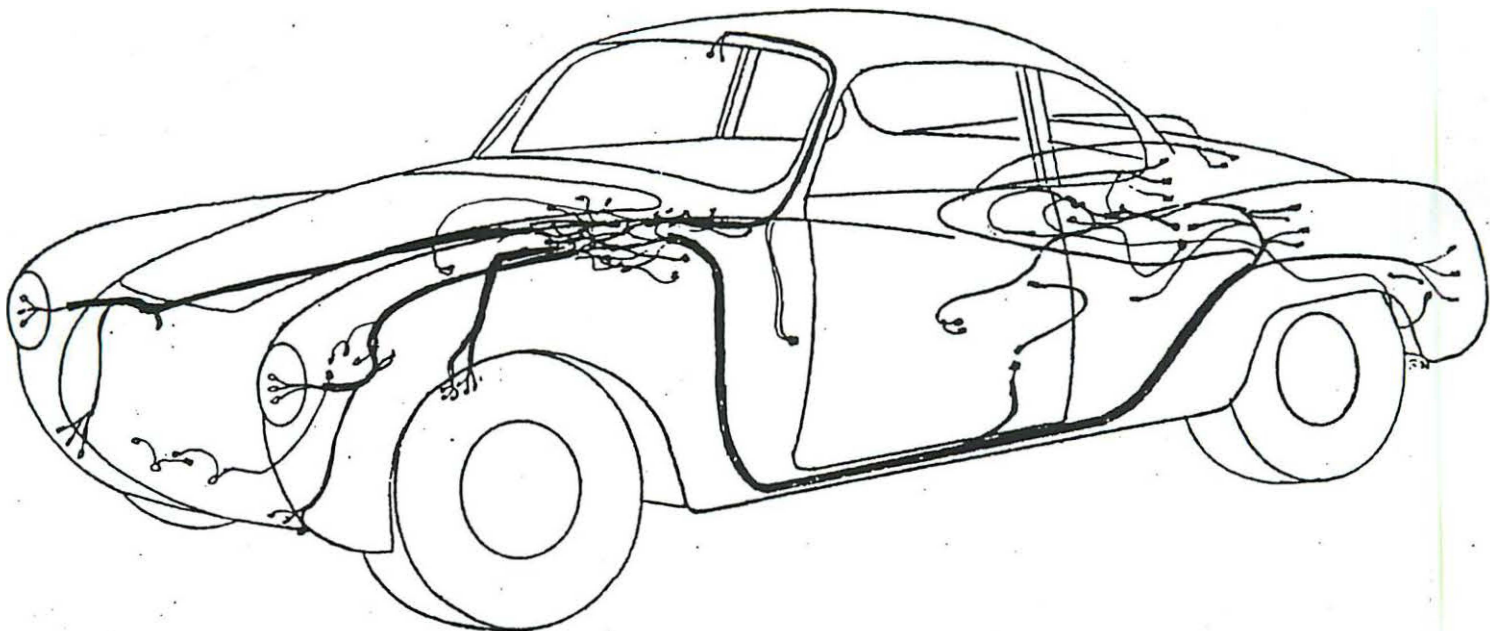




10695

Replacement Wiring Parts
for U.S. Import Version VW Karmann Ghia
Complete Kit



This harness kit fits 1972-1973 Karmann Ghia hardtop cars and convertible as shown above. Kit is for cars with D.C. Generator. Kits do NOT come with Steering Column wiring. Due to the multitude of configurations produced, be certain you have the correct parts; PARTS WHICH HAVE BEEN INSTALLED MAY NOT BE RETURNED. Please match original parts to new parts before installation.

Basic electrical knowledge is essential. Refer to Official VW Manual for further information. Harness diagrams are for REFERENCE only. Seller cannot be held responsible for any omissions or errors herein. User assumes all risk and liability whatsoever arising out of the use of this product.



PART NO. 10695
1972-1973½ VW ONLY

KARMANN GHIA HARDTOP & CONVERTIBLE
U.S. IMPORT VERSION

WIRING HARNESS SET

READ DIRECTIONS COMPLETELY BEFORE STARTING

PARTS LIST:

- (1) Main Harness (See Page 7)
- (1) Front Harness (See Page 8)
- (1) Brake Master Cylinder Harness (See Page 8)
- (1) Dome Light Harness (See Page 9)
- (1) Gas Tank Harness (See Step 13)
- (1) Back Up Light Harness (See Page 6)
- (1) Back Up Light Link (See Page 6)
- (1) Starter Power Link (See Step 15)
- (1) Ground Link Assembly (See Page 10)
- (25) Misc. Wires or Sub Assemblies
- (2) Headlight Socket Housings
- (13) Spade Connectors
- (2) Quad Bus Connectors

NOTES ABOUT WIRING DIAGRAMS:

- Wiring diagrams are not drawn to scale. All wires are not shown. Refer to instructions for installation of misc. wires and sub assemblies.
- Numbers # on wiring diagram refer to tab circuit written on switch or device.
- Check off boxes on wiring diagram as each connection is completed.
- Grommets must be installed to protect wiring. Grommets are NOT included. Specialized grommets are available from VW parts dealer.
- Note how old wiring was installed before removal.
- Use WHITE 8 AMP fuses only.

- For more information, refer to official VW manual - (Orange Robert Bentley 70-79 Manual #V179)

IMPORTANT NOTE: The wiring and fusebox configuration used in this kit corresponds to the 1972 wiring diagram. Check the configuration of your car's fusebox and make the necessary adjustments for your model year. Terminal configuration and fusebox slot numbers may be different than shown in these instructions.

INSTALLATION DIRECTIONS:

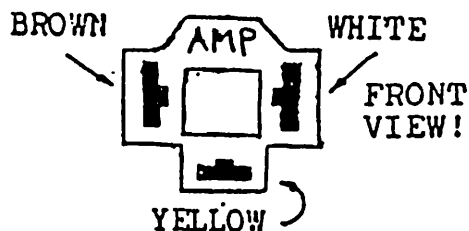
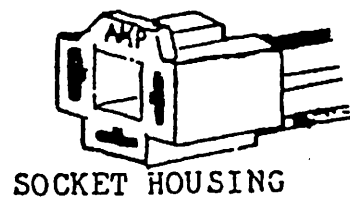
1. !!!!!Disconnect battery ground cable!!!!

2. This step describes how to replace the main harness traveling along the left floor of the body. Disconnect wires behind dash in front and wiring connected to the starter power link beneath rear seat. Use the wiring diagram on page 7 as a guide. Pry away the metal bands holding the harness to the chassis and untangle the harness so that it may be easily pulled out. Check carefully and remove any insulation that has been stuffed into the back of the side channel above the firewall. Remove the back seat cushion and side left rear door panel to gain access to the rear cavity. Carefully lift up the carpet along the bottom left door rail. Carefully secure a 1/4" diameter rope or heavy wire at least 12 feet long to the front of the old main harness so that the harness path through the body is not lost when the harness is pulled out. Remove the old main harness by pulling it out the back of the car. The guide rope will feed in from the front and into place. Tie the guide rope pulled through to the front of the new main harness. The guide rope should be tied securely to the harness, but in such a way as not to damage the harness or impede it's travel through the roof channel. This is very important. Use electrical or duct tape to carefully wrap the loose wires and guide rope into a compact streamlined bundle to pull through. Carefully pull the new harness in by pulling the guide rope from the front and feeding the harness through the rear cavity. DO NOT FORCE. If it is not going through easily, check to see where it is hanging up and correct the problem! Reconnect the wires as shown on page 7. Bend metal tangs back to secure harness. Also install the following wires:

- Double Blue wire with .110 clips: See diagram page 7.
- Brown Ground wire with lug: Connect from left Tail light ground #31 to chassis. Note that right Tail light ground is attached to main harness.

3. Attach a dragline to the old dome light at the light slot. Pull the old harness out the front of the roof channel while feeding in the dragline through the light slot. Attach the dragline to the new domelight harness and pull into position by feeding harness through front. Connect the dome light wiring as shown on page 9 and bend metal tangs back.

4. Disconnect and remove the front harness. Install new one and connect as shown on page 8. See note Step 8 below. Install headlight wires into socket housings as shown below:



5. Install Brake Master Cylinder harness and connect as shown on page 8. Also install the following wires:

— 14" Red wire with .110 clip: Connect from #K Brake warning light to red wire on harness using connector.

6. Install misc. Turnsignal/Emergency Flasher wires:

NOTE ABOUT TURNSIGNALS: There are several different types of 3 prong flasher relay units. THEY ARE NOT ALL THE SAME. The German style unit is usually labeled with the terminal codes #31, #49, and #49a. The terminals of this unit correspond with the slots in the relay deck as per the official wiring diagram. The other types do not necessarily have the same configuration, so caution should be exercised to insure that the proper 3 prong flasher is used.

Turnsignal/Emergency Flasher Wires:

— Double Blue and double Blue-Red wire ass'y: See diagram on page 10.

Note: It is best to install all wiring to Emergency Flasher switch first and then install switch into dash.

- White wire: #49 (slot 2 on relay deck) Flasher relay to Emergency Flasher switch #+. (or #49)
- Green and Black wire ass'y: See diagram on page 10.
- 21" Red wire: #30 Emergency Flasher switch to fusebox terminal marked "E" on harness diagrams.
- Black-Grn wire: #R Emergency Flasher switch to Blk-Grn Quad Bus connector. (See top of page 7)
- Black-Wt wire: #L Emergency Flasher switch to Blk-Wt Quad Bus connector.

7. Install misc. wires for Front Lights:

Note: It is best to install all wiring to Light switch first and then install switch into dash.

- Yellow wire: Fusebox terminal labeled "Y" on harness diagrams to #F (or #56b) Highbeam relay (slot 7 on relay deck).
- White wire: Fusebox terminal labeled "W" on harness diagrams to #56a Highbeam relay (slot 8 on relay deck).
- White-black wire: #56 Light switch to #56 Highbeam relay (Slot 6 on relay deck).
- Grey wire: #58 Headlight switch to fusebox terminal labeled "G" and "GG" on harness diagrams.
- White-Red wire ass'y: See diagram on page 10.
- Blue-Wt wire: Blue high-beam dashlight to fusebox terminal labeled "BW" on harness diagrams.
- Short Red wire: Fbox to #30 Highbeam Relay (Optional)

- Black-Red wire: Green parking light dashlight to #57 Headlight switch.
- Black-Yel wire: Headlight switch #X to fusebox terminal labeled "BY" on harness diagrams.
- 19" Red wire: #30 Headlight switch to fusebox terminal labeled "RR" on harness diagrams.

(The following wires are attached to Turnsignal T/S switch and are NOT included in kit.)

- Brown wire (Large gauge)(Horn): T/S switch to Front left harness (See page 8).
- Brown wire (Small gauge): T/S switch to Chassis ground
- Brown-White wire: T/S switch to #S Highbeam relay (Slot 9 on relay deck).
- Black-Green wire: T/S switch to Bus connector.
- Black-White wire: T/S switch to Bus connector.

8. (The following wires are attached to ignition switch and are not included in kit.)

- Connect Red power wire from ignition switch harness to fusebox terminal marked "R" on harness diagrams.
- Connect Red-Blk starter wire from ignition switch harness to #50 main harness. (See page 7)
- Connect Black #15 ignition wire from ignition switch harness to fusebox terminal marked "B" on harness diagrams.
- Connect Black-Yel wire from ignition switch to fusebox terminal marked "BY" on harness diagrams. ~~#X~~ ckt.

9. Connect rear window defroster wiring :

- Black 15" wire with .110 clip: Connect from Defroster switch to fusebox terminal marked " D " on harness diagrams.
- Black 10" wire: #30 Defroster relay to IN-LINE fuse. (Note: IN-LINE fuse MUST be installed to protect the circuit. IN-LINE fuse is NOT included in kit. Use 8 Amp white fuse.)
- Brown 5" wire with lug: #85 Defroster relay to ground.

(The following wires are not included in kit.)

- Attach White wire from window heater to #87 De-froster relay. Note White wire exits from rear left roof post.
- Attach small Red wire from #30 volt. regulator terminal (+) to In-line fuse. Be certain this circuit is secure.

10. Connect windshield wiper wires from wiper motor to wiper switch. These wires are attached to the switch and are NOT included in the kit. See diagram on page 9.
Check wiper mechanism for binding.

11. Connect Horn wiring:

- Black 18"+10" double wire: #87 Horn relay to Horn #1 (+) to Horn #2 (+).
- Brown double wire ground lug: Horn #1 (-) to ground stud to Horn #2 (-).

12. 11" Red wire: Fusebox terminal marked "RR" on harness diagrams to clock (+).

13. Connect long Brown harness wire from tank sending unit to Gas gauge #G output.

14. Install Ground link assembly as shown on page 10.

15. Connect red starter cable from main harness (under back seat - see page 7) to starter motor terminal #50.

16. Connect Red power cable (not included in kit) from Battery positive (+) terminal post to #30 (#B+) voltage regulator. Be certain this cable is secure.

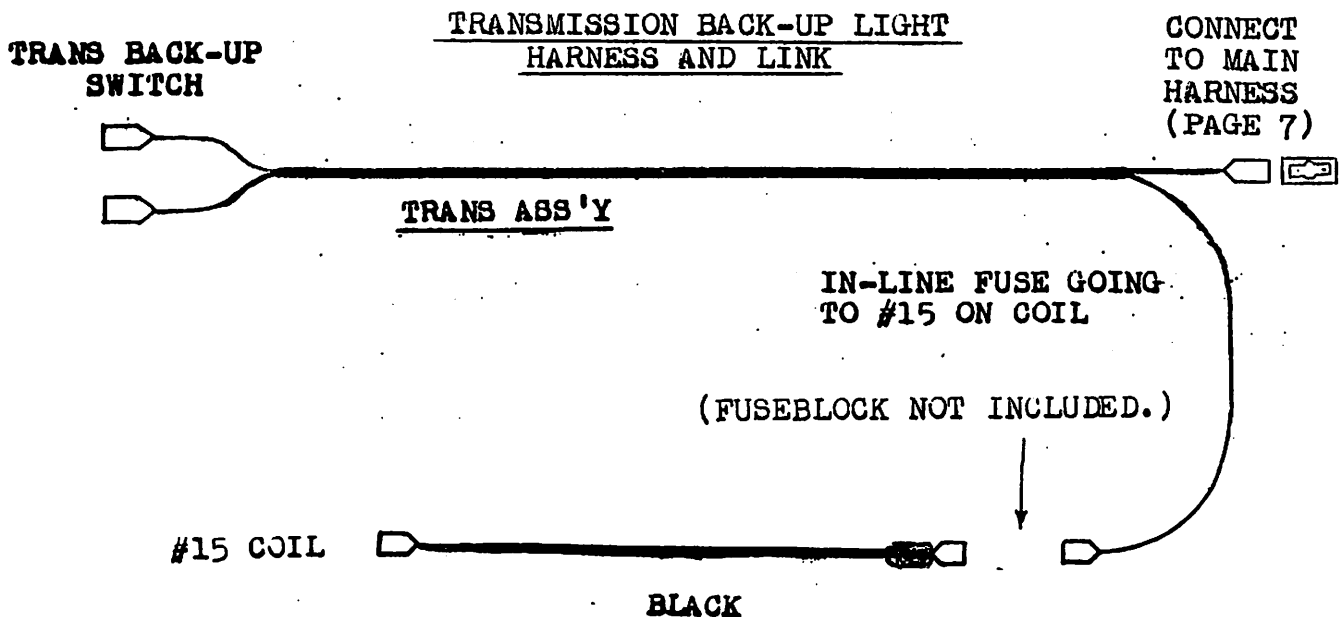
It is a good idea to install a master fuse or fuse link along this power circuit. NOMINAL fuse rating is 25-30 Amps.

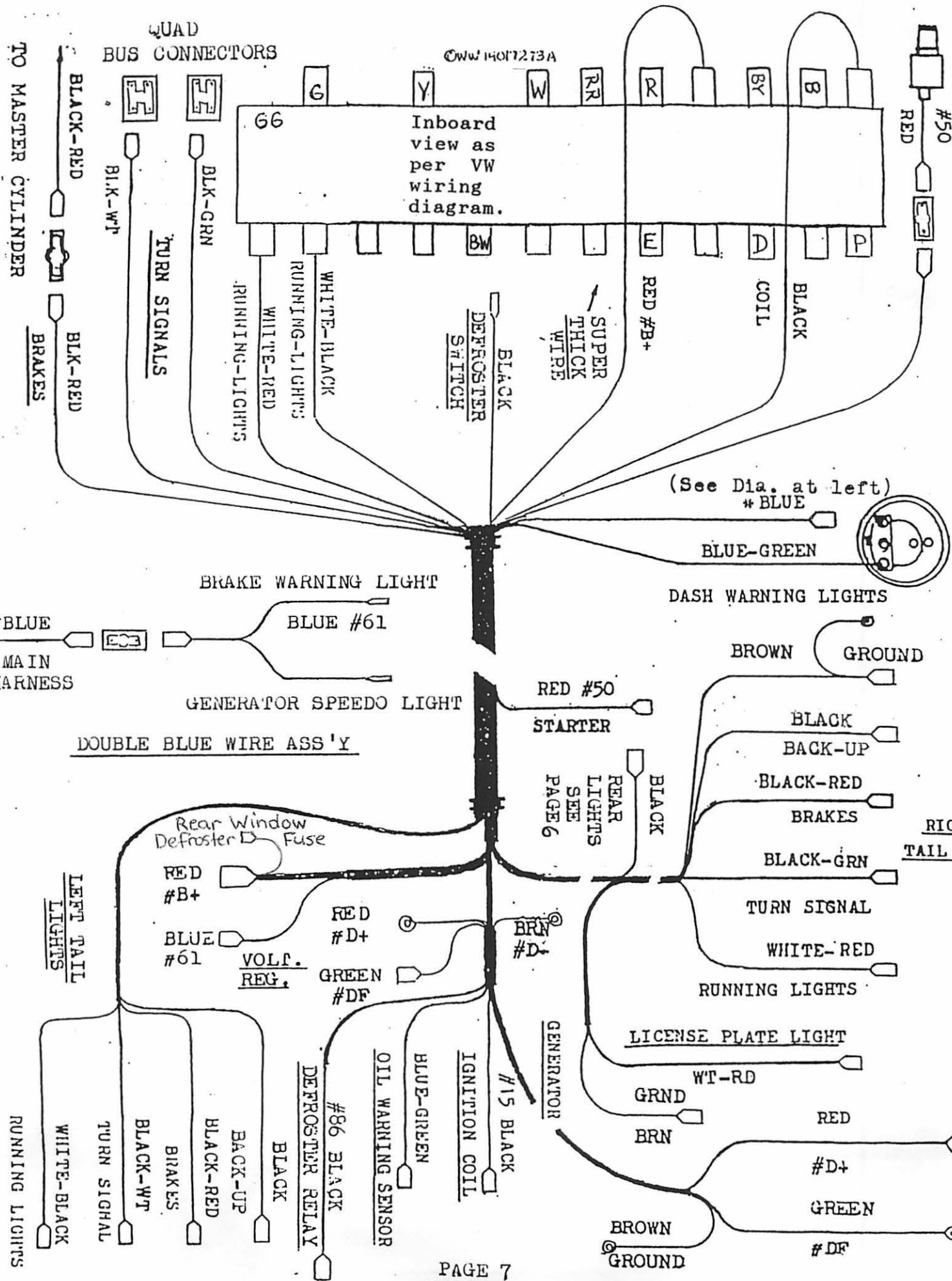
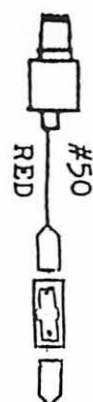
17. Connect double 16"+4" Black wire from #15 coil to choke to carb cut-out valve.

Be certain this circuit is secure - the coil is NOT fused.

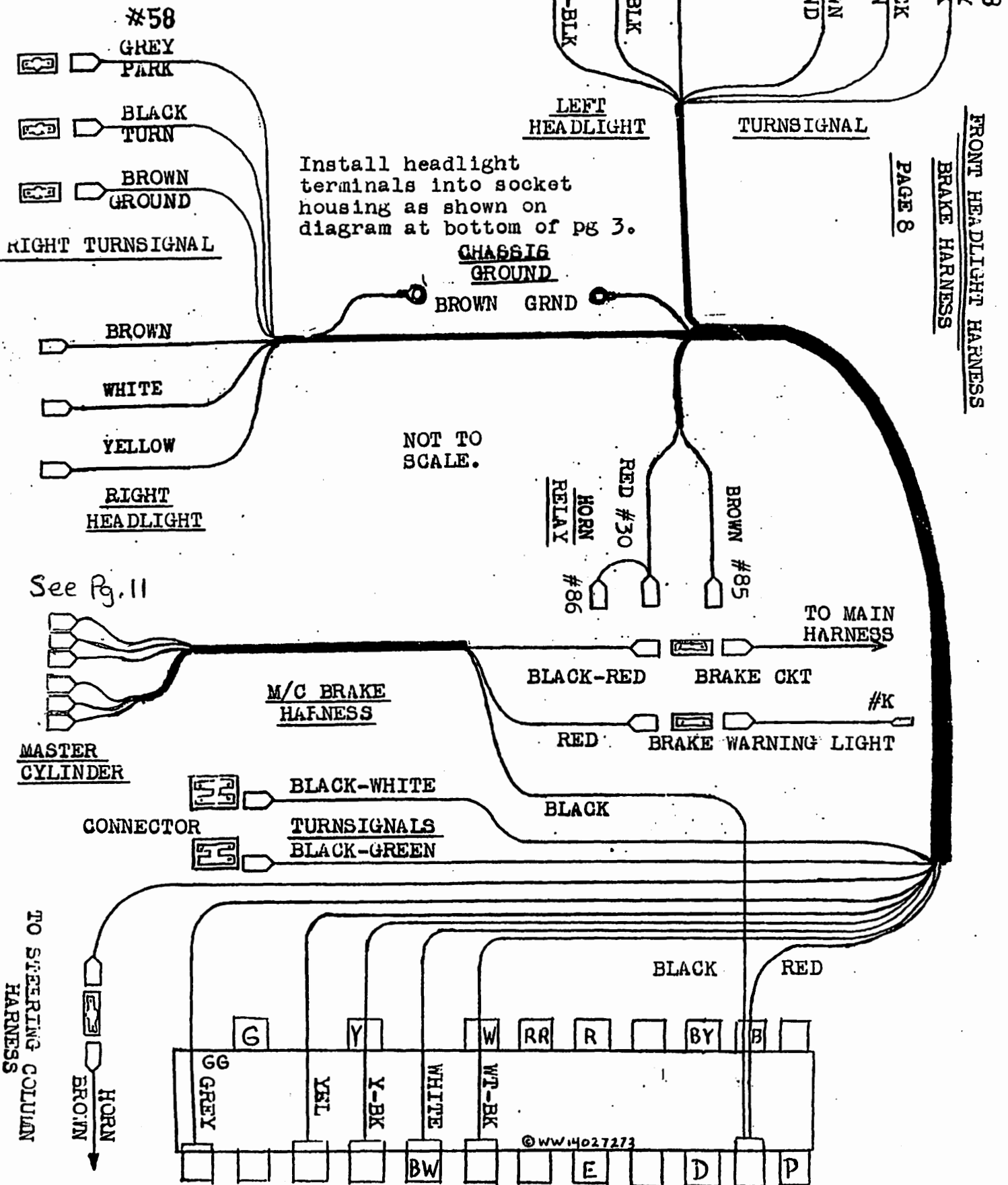
18. Install Back up light harness and link as shown below page 6. IN-LINE fuse MUST be installed because the #15 coil circuit is NOT fused. In-line fuse is NOT included in kit. Be certain wiring is secure. Use 8 Amp white fuse.

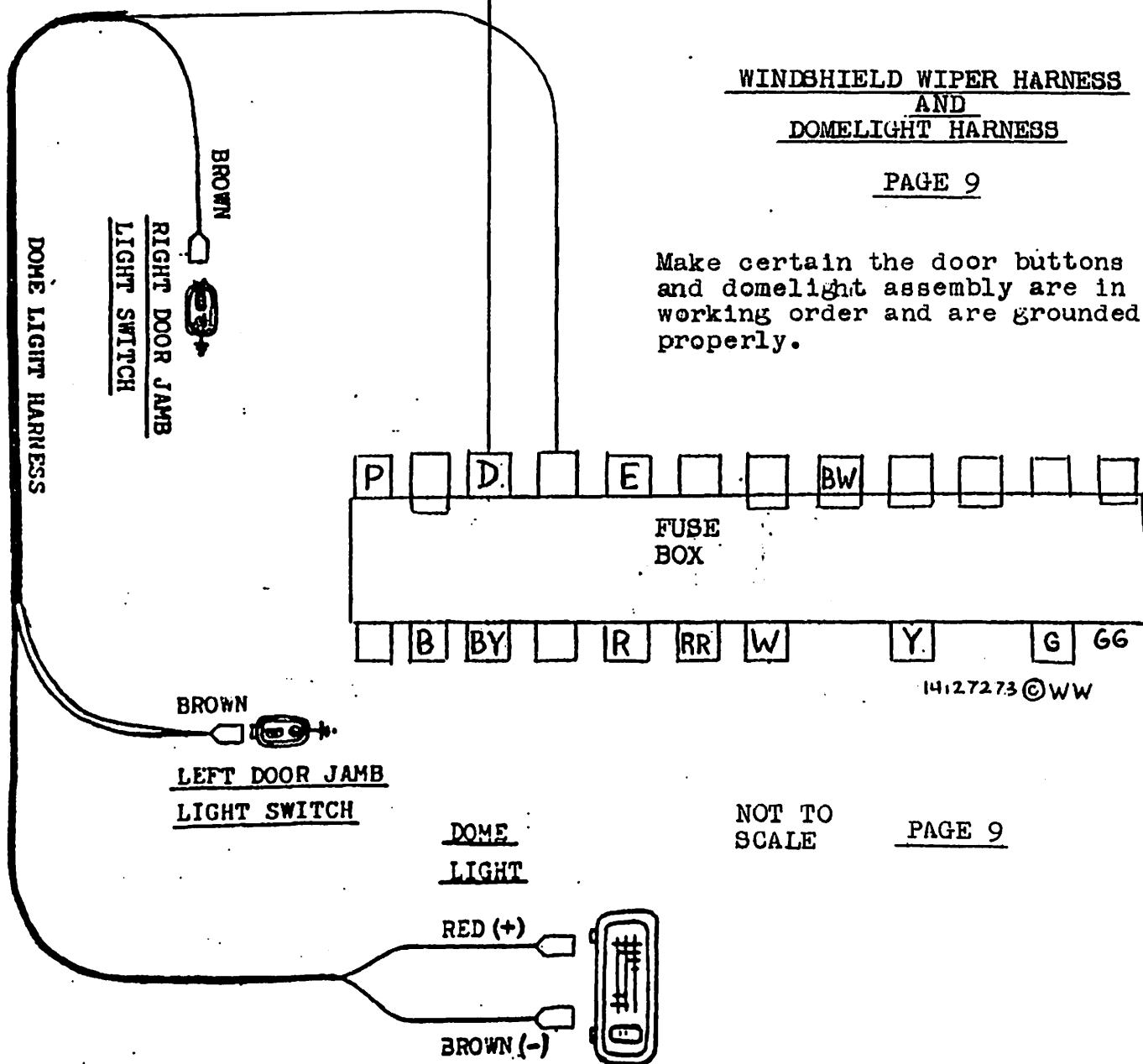
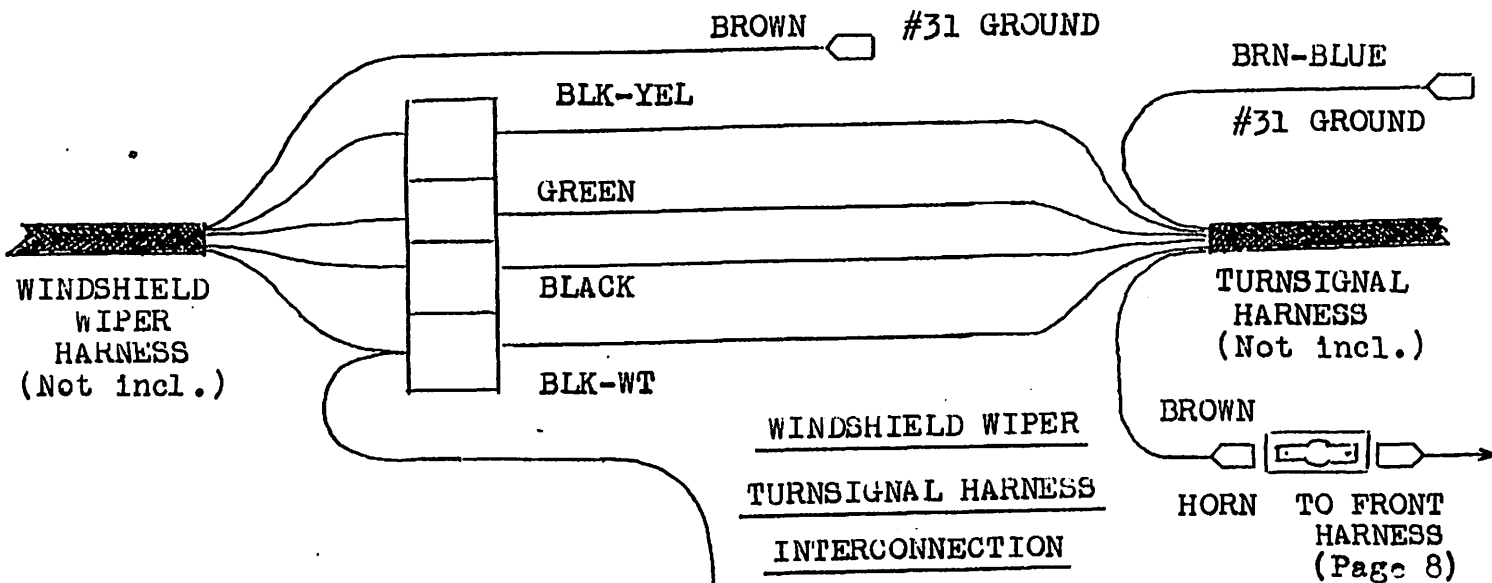
19. Installation should now be complete. Double check for potential shorts and incorrect installation. When everything has been checked, CAREFULLY reconnect the battery. Test the lights and accessories for proper operation. If there is a problem, be sure to check all connections, fuses, bulbs sockets, switches, relays and especially grounds. Use VOM to check circuits and refer to factory wiring diagram.

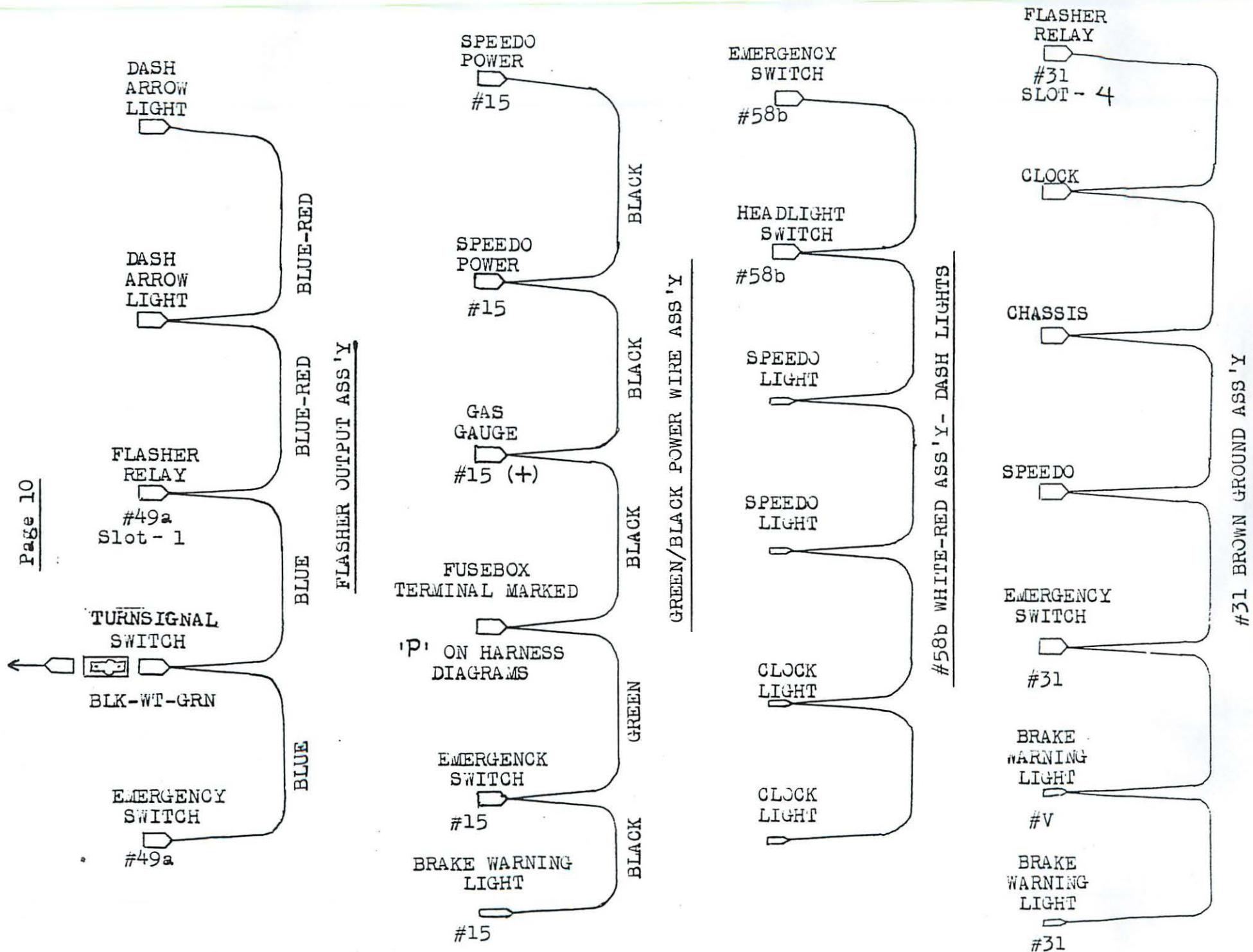




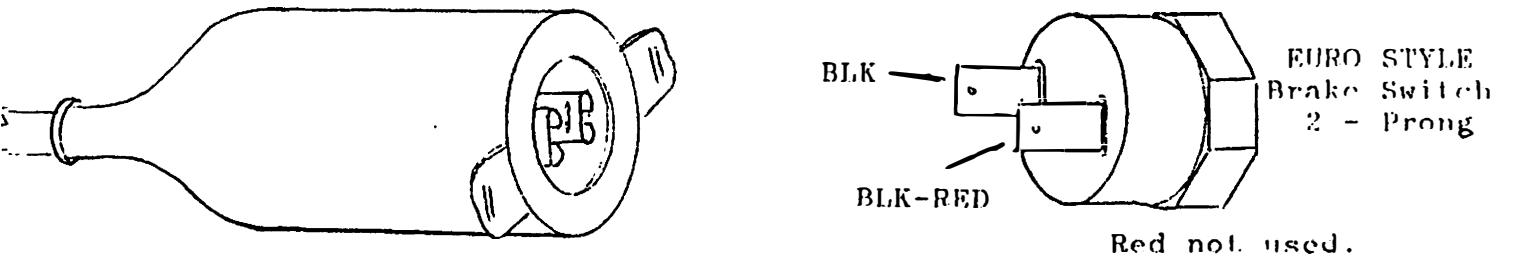
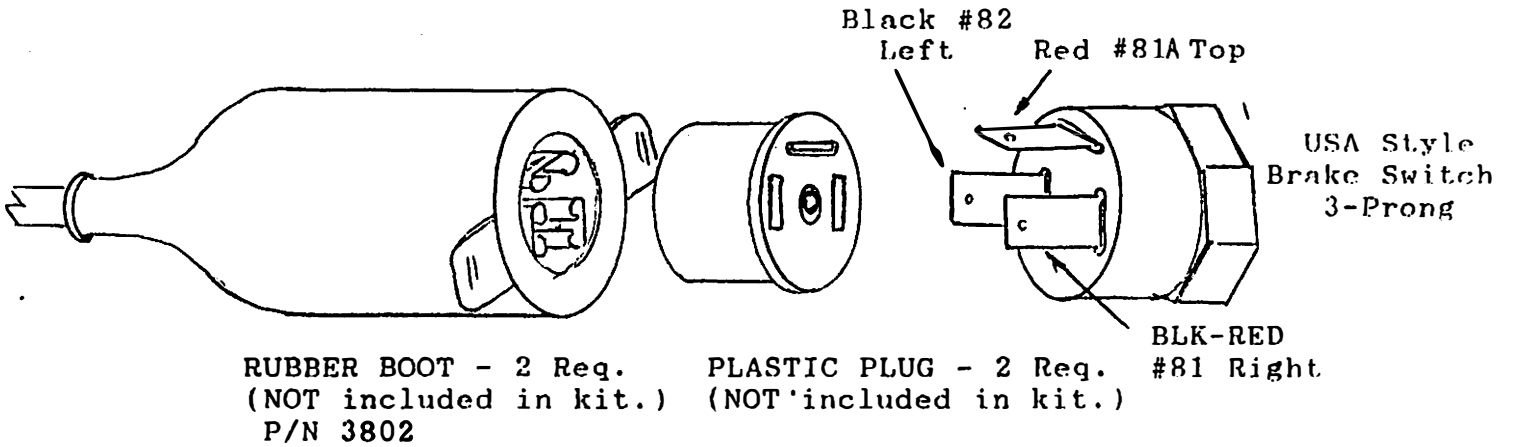
NOTE: Turnsignal wires are soldered to T/S light housing and are NOT included in kit. Feed these wires into headlight bucket and attach to loom wiring with connectors.



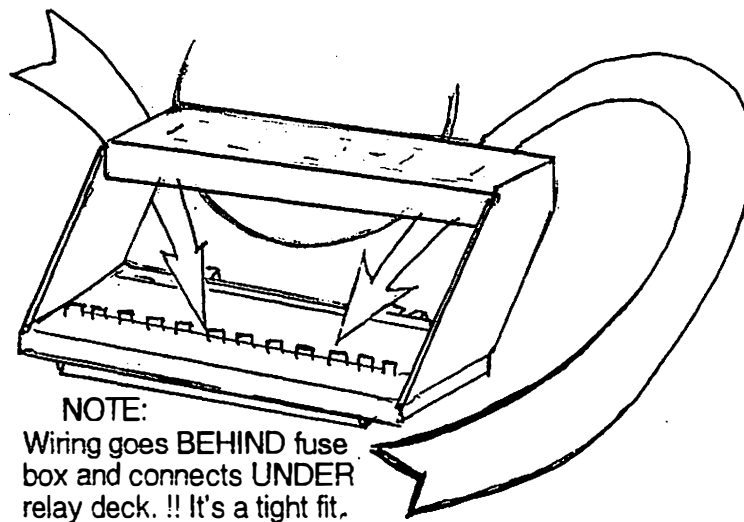




MASTER CYLINDER BRAKE HARNESS



Boots are available at Paruzzi.com.



VW Karmann Ghia—from August 1971 (1972 Models)

A - Battery	M ⁷ - Turn signal and parking light, front, right
B - Starter	M ⁸ - Turn signal, rear, right
C - Generator	M ¹¹ - Slide marker light, front
C ¹ - Regulator	N - Ignition coil
D - Ignition/starter switch	N ¹ - Automatic choke
E - Windshield wiper switch	N ² - Electromagnetic pilot jet
E ¹ - Light switch	N ⁷ - Automatic Stick Shift control valve
E ² - Turn signal and headlight dimmer switch	O - Ignition distributor
E ³ - Emergency flasher switch	P ¹ - Spark plug connector, No. 1 cylinder
E ¹³ - Switch for rear window defogger	P ² - Spark plug connector, No. 2 cylinder
E ¹⁷ - Starter-out-out-switch	P ³ - Spark plug connector, No. 3 cylinder
E ²¹ - Contact at selector lever	P ⁴ - Spark plug connector, No. 4 cylinder
F - Brake light switch with warning switch	Q ¹ - Spark plug, No. 1 cylinder
F ¹ - Oil pressure switch	Q ² - Spark plug, No. 2 cylinder
F ² - Door contact switch, left, with contact for buzzer	Q ³ - Spark plug, No. 3 cylinder
F ³ - Door contact switch, right	Q ⁴ - Spark plug, No. 4 cylinder
F ⁴ - Back-up light switch	S - Fuse box
F ¹³ - ATF temperature control switch	S ¹ - Fuse for rear window defogger, (8 Amp)
G - Fuel gauge sending unit	back-up lights, (8 Amp)
G ¹ - Fuel gauge	T - Cable adapter
G ⁴ - Ignition timing sensor	T ¹ - Cable connector, single
H - Horn button	T ² - Cable connector, double
H ¹ - Twin horns	T ³ - Cable connector, triple
H ³ - Ignition key warning buzzer	T ⁴ - Cable connector, four connections
J - Dimmer relay	T ²⁰ - Test network, central plug
J ² - Emergency flasher relay	V - Windshield wiper motor
J ⁴ - Relay for twin horns	W - Interior light
J ⁹ - Rear window defogger relay	X - License plate light
K ¹ - High beam warning light	X ¹ - Back-up light, left
K ² - Generator charging control light	X ² - Back-up light, right
K ³ - Oil pressure control light	Y - Clock
K ⁵ - Turn signal warning light	Z ¹ - Rear window defogger heating element
K ⁶ - Emergency flasher warning light	
K ⁷ - Dual circuit brake system warning light	
K ⁹ - ATF temperature warning light	
L ¹ - Sealed beam unit, left headlight	
L ² - Sealed beam unit, right headlight	
L ⁴ - Speedometer light	
L ¹⁰ - Instrument panel light	
M ² - Tail and brake light, right	
M ⁴ - Tail and brake light, left	
M ⁵ - Turn signal and parking light, front	
M ⁶ - Turn signal, rear, left	

Please note that wiring for computer test plug, door buzzer and auto-stick transmission are NOT included in wiring kit.

