



Application: 1970–1971 Karmann Ghia Coupe or Convertible

Part Includes

- 1 - Main Harness
- 2- Front Harness
- 1- Drake Master Cylinder Harness
- 1- Dome Light Harness
- 1- Gas Tank Harness
- 1- Back Up Light Harness
- 24- Misc Wires or Sub Assemblies
- 1- Starter Power Link
- 1- Ground Link Assembly
- 2- Headlight Socket Housings
- 11- Spade Connectors
- 2- Quad Bus Connectors

Replacement Wiring Harness



Tools Needed



NOTES ABOUT WIRING DIAGRAMS:

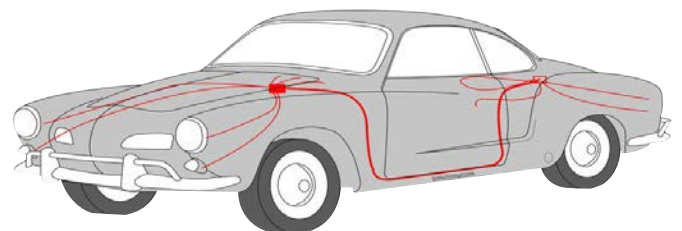
- Wiring Diagrams are not drawn to scale. All wires are not shown. Refer to instructions for installation of misc. wires and sub assemblies.
- Numbers # on wiring diagram refer to tab circuit written on switch or device.
- Check off boxes on wiring diagram as each connection is completed.
- Grommets must be installed. G(*) refers to grommet and inner hole diameter.
- Note how old wiring was installed before removal
- Use WHITE 8 AMP fuses only
- For more information, refer to official VW manual.

STEP 1.

Disconnect battery ground cable!

STEP 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 the rear seat. Use the wiring diagram on page 4 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 roof 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 carpet along the bottom left door rail. Carefully secure a 1/4" dia. rope at least 12 feet long to the front of the old main harness so that the channel path through the roof 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 its 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 IT. If it is not going through easily, check to see where it hanging up and correct the problem! Reconnect the wires as shown on page 4. Bend metal tangs back to secure the harness.



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Description (cont.)

STEP 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 it 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 8 and bend metal tangs back.

STEP 4.

Install Front Left Harness. Connect as shown on Front Left Headlight Harness Diagram.

STEP 5.

Install Front Right Harness. Connect as shown on Front Right Headlight Harness Diagram.

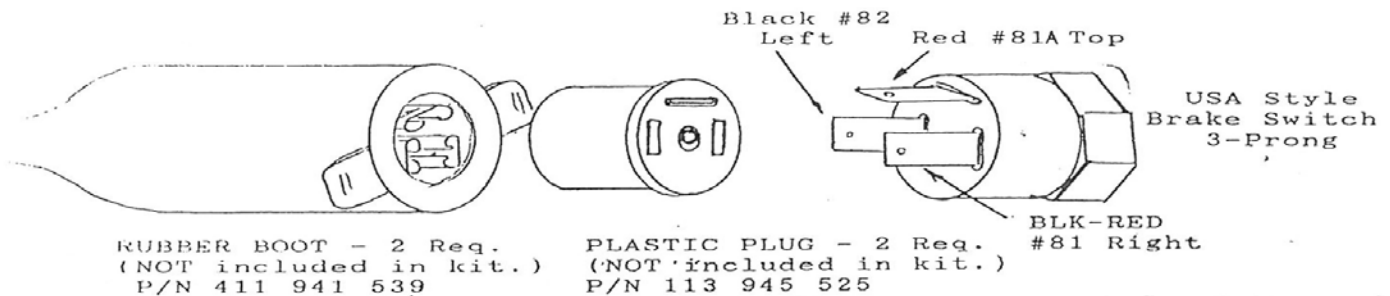
STEP 6.

Install Brake Master Cylinder Harness as shown on Left Headlight Harness Diagram.

INSTALL MISC. WIRES:

STEP 7. POWER AND GROUND

- 16" Red Wire: #30 Light Switch to Fusebox Terminal marked "R" on Diagrams.
- Brown Ground Assembly: See Ground Assembly Diagram. Connect up when various components are installed.



STEP 8. EMERGENCY LIGHTS/ FLASHER WIRES

NOTE: It is best to install all wiring to the switch first.

- Black Assembly with small clip: Fusebox Terminal marked "B" on Diagrams to #15 Emergency Switch to Brake Warning Light #15.
- 21" Red Wire: #30 Emergency Switch to Fusebox Terminal marked "RR" on Diagrams.
- White Wire: #(+) on Emergency Switch to #(+) on Flasher Relay (or X,49)
- Blue Assembly: #49a Emergency Switch to Blk-Grn-Wt wire on Turn Switch wiring to #49a on Flasher relay
- Blue-Green Wire: #KBL (or L,49a) Flasher Relay to Green Arrow Light on Speedometer.
- Black-Grn Wire: #R Emergency switch to Blk-Grn Quad Bus Connector.
- Black-Wt Wire: #L Emergency Switch to Blk-Wt Quad Bus Connector

STEP 9. HEADLIGHT SWITCH

Note: It is best to install all wiring to the switch first.

- White Wire: #56 Hi-Lo Relay Unit to Fusebox Terminal marked "W" on diagrams.
- Yellow Wire: #56b on Hi-Lo Relay Unit to Fusebox Terminal marked "Y" on diagram.
- White- Black Wire : #56 Hi-Lo Relay Unit to #56 Light Switch
- Grey Wire: #58 Light Switch to Terminal marked "G" on Diagram.
- White or White-Red small clip Assembly: #58 Light Switch to Gas Gauge Light to Speedometer Lights to Clock Illumination Light.

The following wires are attached to the Turnsignal / Ignition Switch Harness coming from the steering column and ARE NOT included in the kit:

- Brown-Wt Wire: From Turn Switch to #5 Hi low Beam Relay.
- small Brown Wire: from turn Switch to ground
- Black: from Ignition Switch Fusebox Terminal marked "K" to Dummylight Power at base of Speedometer
- Red: from Ignition Switch to #30 Light Switch
- Red-Blk: from Ignition Switch to #50 Main Harness
- Large Brown: wire from steering bearing goes to Front Left Headlight Harness Brown wire from horn relay



Description (cont.)

STEP 10. HORN AND HORN RELAY

- Blk 18"-10" Assembly: #87 Horn Relay to Horn #1 (+) to Horn #2
- Brown Ring Assembly: Horn (-) to Ground Stud to Horn.
- Covered Brown Wire is for the Gas Guage Tank sending unit to Gas Guage #G on Speedometer

STEP 11. WINDSHIELD WIPER

- Black Wire: #30 Wiper Switch to Fusebox Terminal marked "X" on Diagram.
- Black Wire: #53 Wiper Switch to #53 Wiper Motor
- Blk-Red Wire: #53a Wiper Switch to #53a Wiper Motor.
- Blk-Yel Wire: #53b Wiper Switch to #53b Wiper Motor
- Brown Wire: #31b Wiper Switch to #31b Wiper Motor
- Brown 24" Wire: #31 Wiper Motor to ground

STEP 12. REAR AREA

- Red 36" Starter Cable: #50 Starter Solenoid to #50 Red Wire on Main Harness under back seat.
- Brown 9" Ground Wire: Ground on Left Rear Light to Chassis
- Black Reverse Light Wires and Trans Assembly: spades go to Reverse lights. Other end goes to connector on trans assembly. Trans assembly connects to coil and reverse switch on back of transmission. Inline Fuse (not included) must be installed because coil is not fused. See last page
- Black 16"-4" Assembly #15 coil to carb solinoid to choke. Be certain this circuit is secure- coil has no fuse
- Red Battery Power Cable (not included in kit.): #B+ Voltage Regulator to Battery (+). Be certain this circuit is secure. Installing a master fuselink along this circuit is a good idea for extra protection.

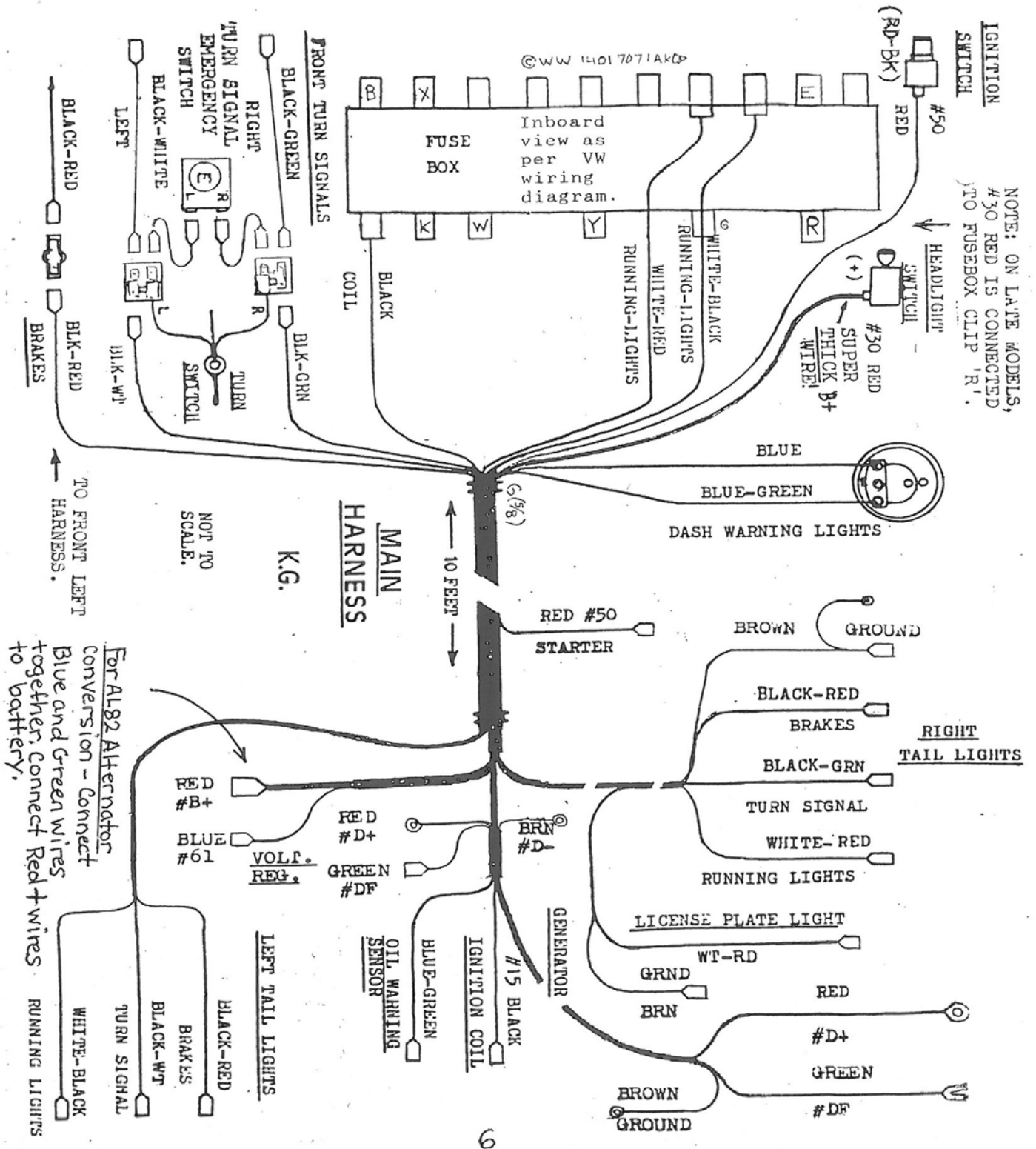
STEP 13.

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.



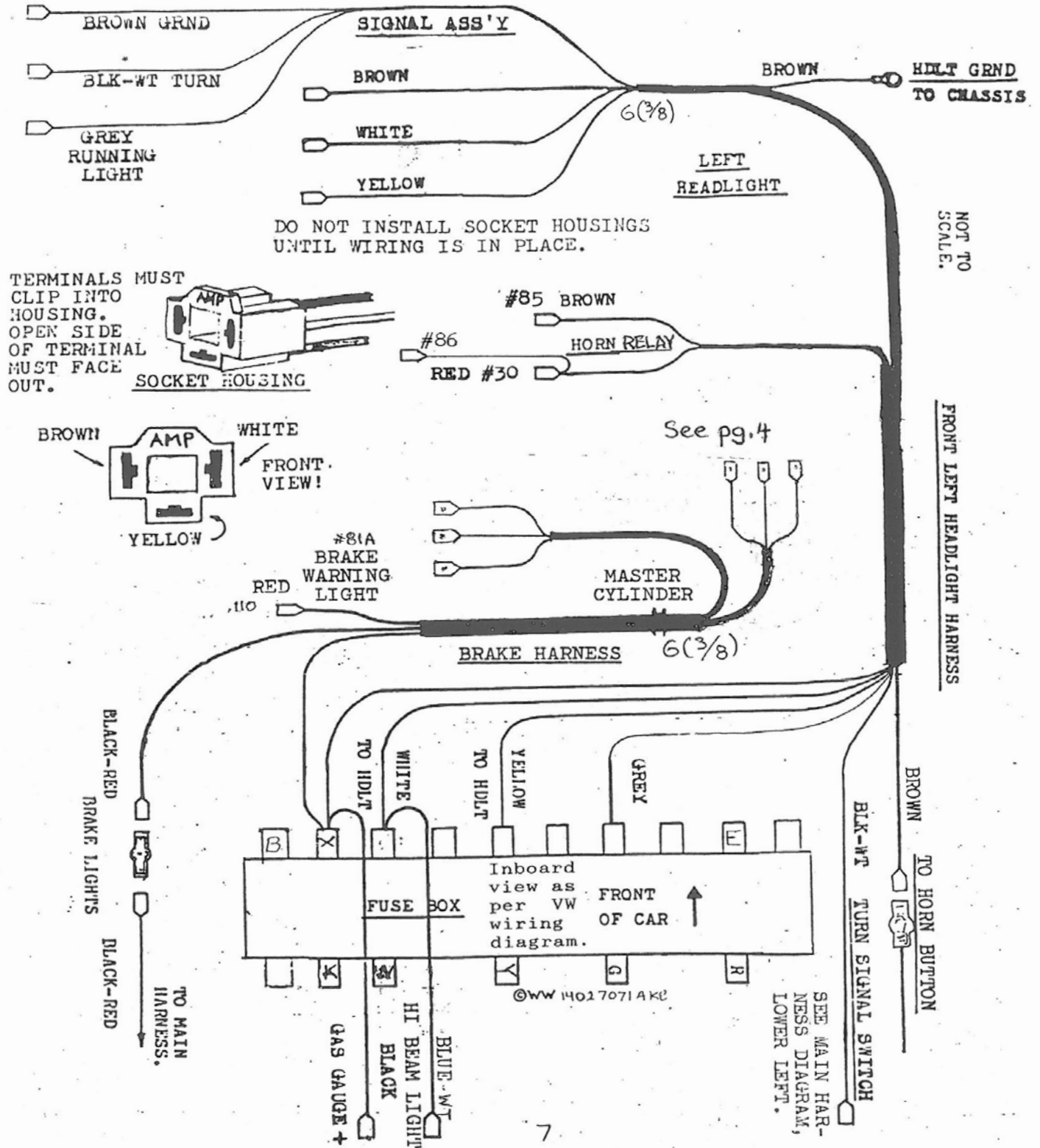
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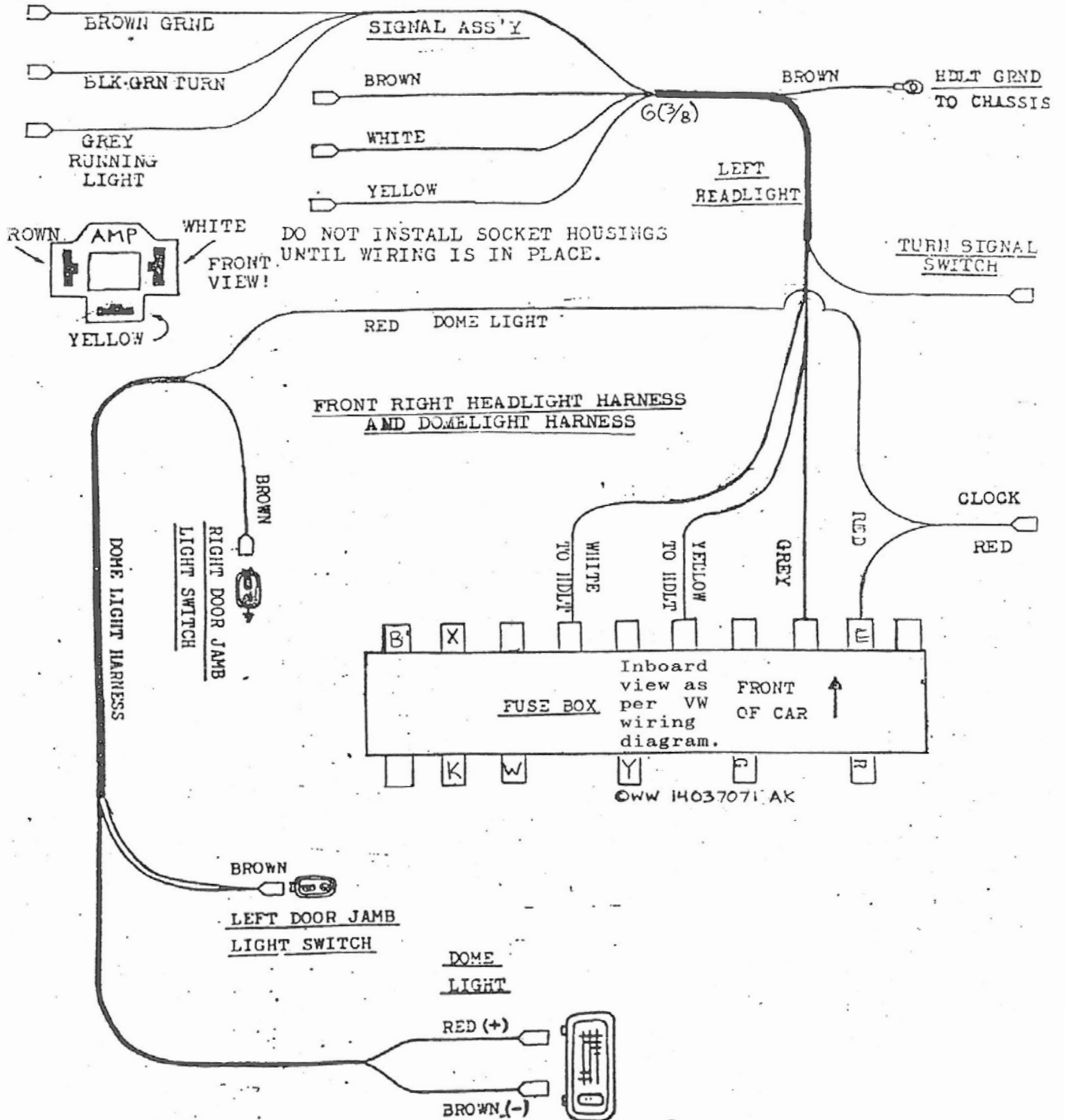


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