



Application: 1967 Beetle Hardtops Sedans and Convertibles

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:

- Basic electrical knowledge is essential.
- 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 voltage regulator 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 6 and bend metal tangs back.

STEP 4.

Install the two tail light harnesses traveling to the rear fenders. Connect from main harness to the tail light socket assembly as shown on page 4.

STEP 5.

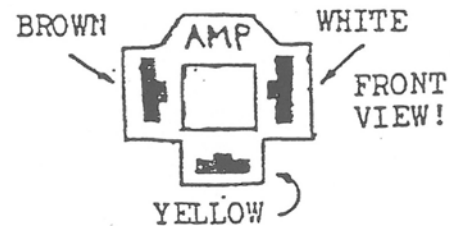
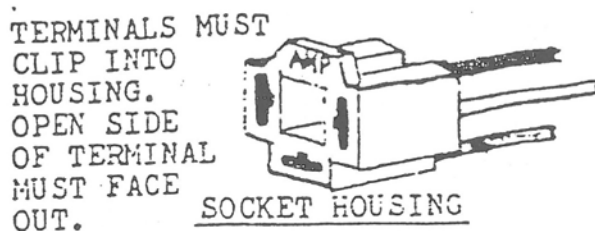
Install the license light harness to the rear deck lid. Connect as shown on page 6 to the white-red TEE connector block. Be certain light is grounded. Keep wire clamped away from fan.

STEP 6.

Install the front right and left turnsignal harnesses. Refer to harness diagram on page 7. Black-white goes to the left side, black-green goes to the right side. Connect as shown on page 4 to the turn switch wires (not included- attached to the switch). Use the two remaining TEE connectors. Attached auxillary wires go from TEE to flasher relay - Bk- Wt goes to #VL and Blk-Grn goes to #VR. See note in turnsignal section step 8. Connect Grey wires from fusebox to #58 terminal for parking lights in front turnsignal assemblies. ORIGINALLY, the grey wires were NOT fused - they were directly connected to #57 on the headlight switch . In this kit, the wires are connected to the fusebox to protect the circuits from shorts.

STEP 7.

Disconnect and remove the front left harness. Install new one and connect as shown on page 5. Install front right harness and connect as shown on page 5. Install front right harness and connect as shown on page 6. Also install the brown ground wires for the headlights at this time. Use a little wire lube to help get the headlight wires through the rubber tube that connects the body to the headlight bucket (rubber tube is not included in the kit). Install headlight wires into socket housings as shown below.



STEP 8. INSTALL MISC. TURNSIGNAL WIRES

NOTE: Originally, the 1966 and 1967 cars came with the 9-prong "black box" Flasher relay. (Turn Indicator Relay WCM Part No. W-1007) This relay controls the turnsignal and emergency light circuits. Many problems with the above circuits can be attributed to a malfunctioning Flasher relay. (A two prong Flasher relay can be used if the wiring is modified as per 62-65 or 70-74 Type 1 wiring diagram, refer to VW factory service manual.)

- Bue-green (or blue) wire: #KBL Flasher relay to green arrow turnsignal light in Speedo.
- 18" brown wire: #S Flasher relay to #S emergency flasher switch.
- 6" Black wire: #15 Flasher relay to fuse box terminal marked "U" on harness diagrams. (the following wires are attached to the turnsignal T/S switch and are not included in the kit.)
- Blk-wt- Grn wire: T/S switch to #49a Flasher relay. Attached Blue wire goes from T/S switch #49a to #K Emergency Flasher switch.

Emergency Flasher switch must be grounded to frame for circuit to work properly. Flashser relay must be grounded to work properly (either frame or #31 brown wire).



Description (cont.)

STEP 9. INSTALL MISC. WIRES FOR FRONT LIGHTS

- Yellow Wire: Fusebox terminal labeled "Y" on harness diagrams to #F (or #56b) Highbeam relay.
- White Wire : Fusebox terminal labeled "W" on harness diagrams to #56a Highbeam relay.
- White-black wire: #56 Light switch to #56 Highbeam relay.
- Grey wire: #58 Headlight switch to fusebox terminal labeled "G" on harness diagrams.
- White-red double wire: #58b light switch to gas guage light to speedometer light (the following wires are attached to turnsignal T/S switch and are not included in the kit.)
- Brown-wt wire: T/S switch to #S highbeam relay. (this is not the same as #S on flasher relay.)
- Brown wire: T/S switch to #31 ground on wiper switch.

STEP 10.

Connect red 15" wire from #30 on light switch to fusebox terminal marked "R" on harness diagram.

STEP 11.

Connect red 13" wire from #30 on starter switch to #30 light switch.

STEP 12.

Connect double 8"+4" black wire from #15 on starter switch to fusebox terminal marked "b" on harness diagram. Connect small wire from fusebox to power terminal #15 at very bottom of speedometer

STEP 13.

Connect windshield wiper wires from wiper motor to wiper switch: Brown #31b, Black #53, Blk-rd (or blk-violet) #53a, Blk-yellow #53b

-Connect 12" black wire from #30 (or +) wiper switch to fusebox terminal marked "X" on harness diagrams.

Check motor ground tang. Check mechanism for binding. Wiper switch must be grounded for automatic return to work properly.

STEP 14.

Install long brown horn wire in steering column. Connect to tab at base of steering shaft (steering coupling) and connect to horn button in steering wheel. Check official VW manual for further details on steering column/ horn circuit.

STEP 15.

Connect red power cable (not included in kit) from battery positive (+) terminal post to #30 (#B+) voltage regulator. Be certain this cable is clamped properly below back seat front rail. Back seat frame must not crush it. Be certain back seat frame does not touch (+) battery post. It is a good idea to install a master fuse or fuse link along this power circuit. NOMINAL fuse rating is 25-30 Amps.

STEP 16.

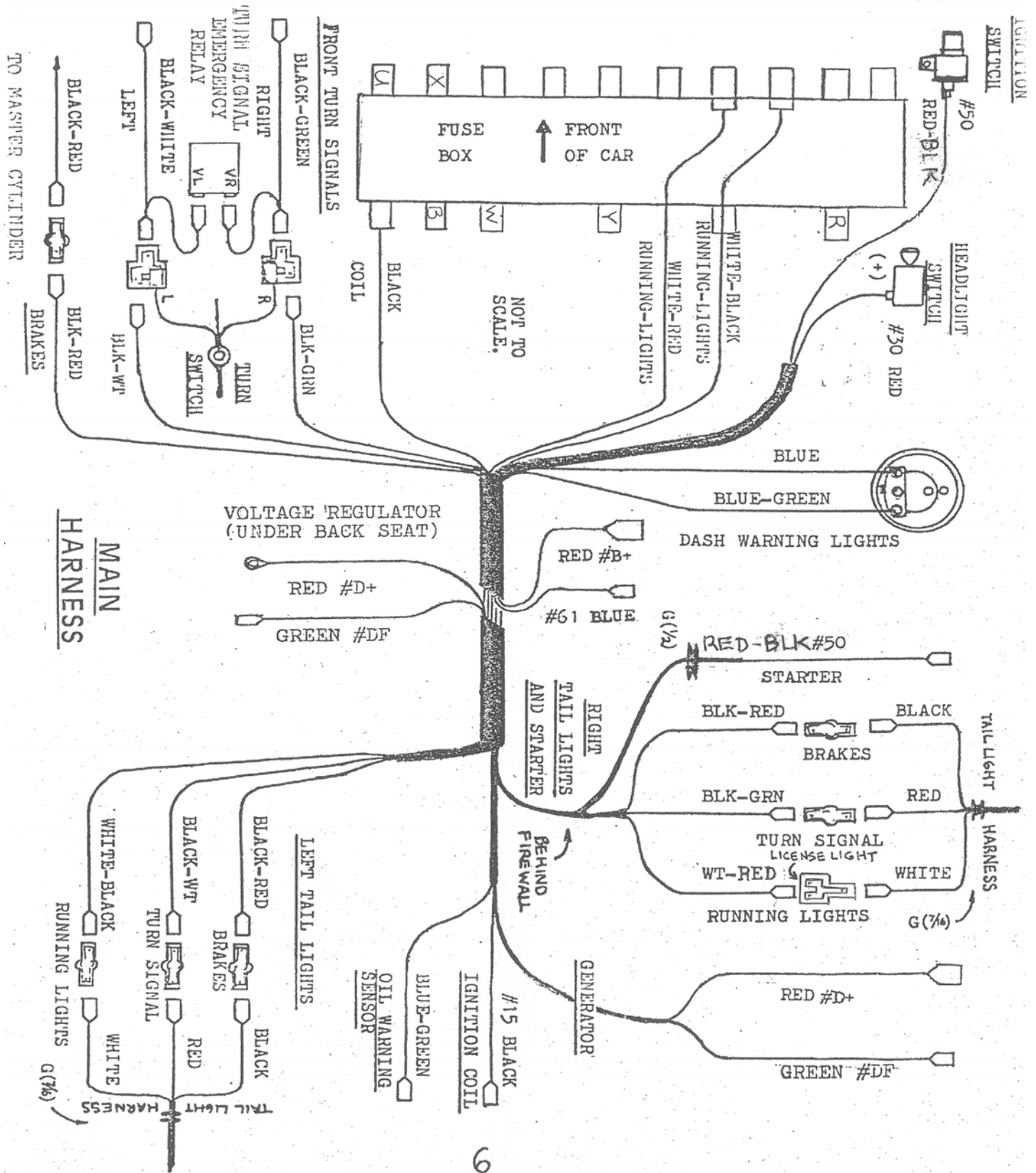
Connect double 16" +4" black wire from #15 coil to choke to carb cut-out valve. Be certain this circuit is secure- the coil is not fused.

STEP 17.

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.

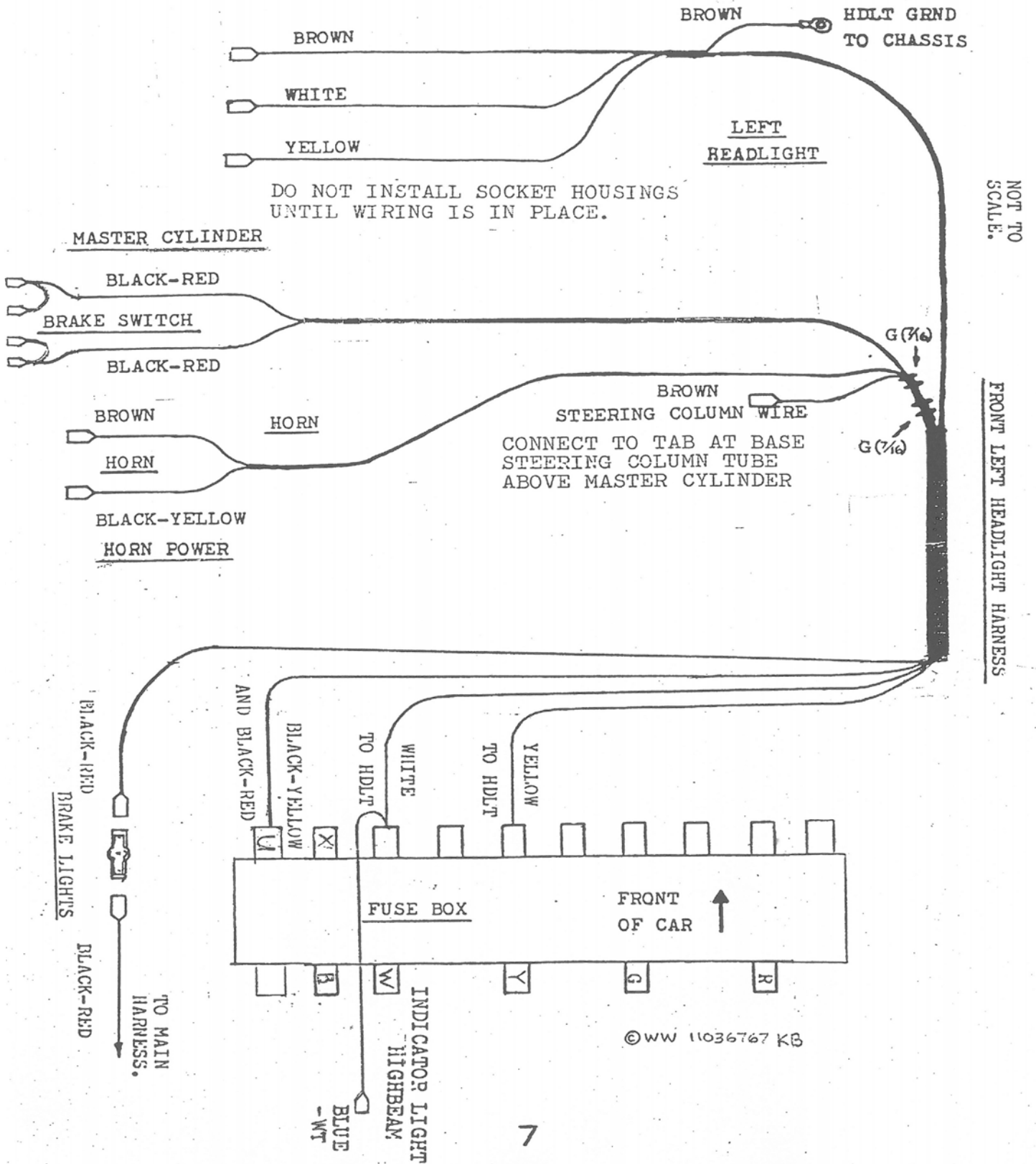


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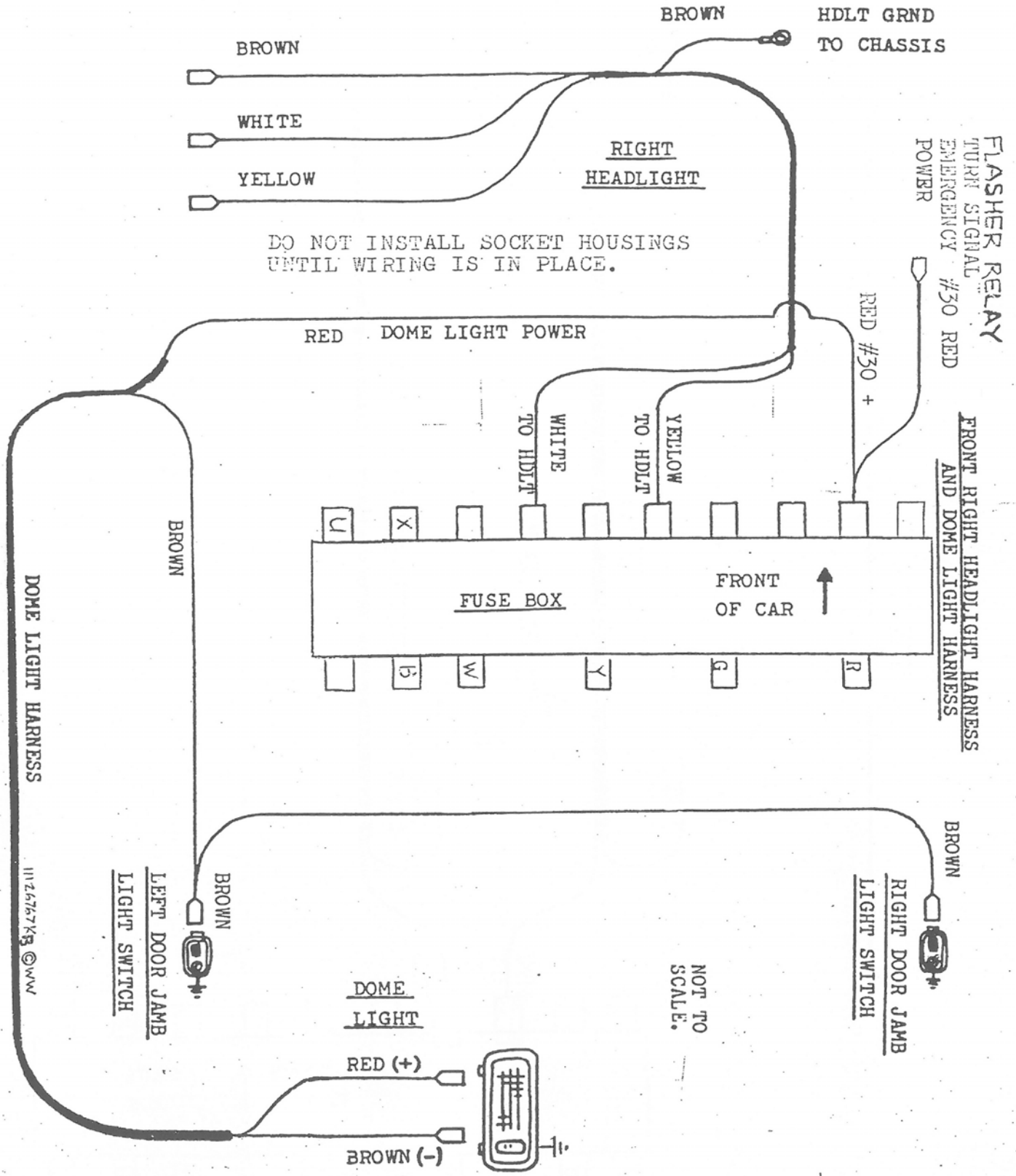


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VW 1500 Sedan and Convertible

