



INSTALLATION MANUAL

00691

1970-1971 BEETLE WIRING HARNESS

Please read this installation manual completely before you begin the installation.

IMPORTANT!

Common problems with wiring issues is bad grounds. Be sure grounds are exposed to bare metal and remove any type of paint from mounting locations. Also make sure transmission to frame ground strap is present and in good shape.

This wiring harness fits 1970-1971 sedan. Some modifications will need to be made to harness for any additional equipment. Some basic electrical knowledge is recommended for installation. Be sure to gain knowledge of old harness connections before removing it and familiarize yourself with such connections. Taking pictures of fuse box, switches, and connections may help with the installation.

1. Removal of old harness.

Disconnect negative battery terminal from battery. Be sure to disconnect wires under seat and at starter. Remove headlights, taillight bulb holders, front blinkers and disconnect wires from their terminals. Disconnect wires on motor and from fuse box. Unfold metal clips securing harness underneath front cowl. Tape up all wires on main harness in a bundle as tight as you can. Remove rear seat and driver side rear panel, you may also need to remove the front driver side kick panel carpet. Harness is now ready to be removed. You may need to remove some insulation from body cavity. Grab a fish tape or guide rope and wrap the bundle of wires from main harness around fish tape/rope and tape together from front of car. Make sure main harness is completely disconnected from the front of the vehicle. Now gently pull harness from rear of vehicle. If it feels like it is getting stuck find the cause. Use care when pulling as it may cause damage to body panels.

2. Installation of new harness.

Once old harness is out of body, the fish tape/rope should have ends hanging out the front and the back. Using electrical tape, tape new harness to back piece of rope/fish tape and carefully pull new harness through from rear of the body. Some lubricant such as dish or bar soap or silicone spray may help. **DO NOT FORCE!!** After main harness is installed in body secure the front of harness by bending tab back over underneath cowl.

3. Dome light harness.

Attach rope to dome light harness from dome light opening. Pull harness out from front window cowl making sure rope stays attached. Attach new harness to rope and pull new harness back through "A" pillar through dome light opening. For dome light to operate properly door switches must be in good shape and have proper grounding.

4. Taillight, headlight and license plate light harness.

Install license plate light wire harness to decklid. Connect as shown to white/red stripe wire TEE connector on passenger taillight harness. The Brown wire is ground, do not get the ground wires mixed up with any of the other colors as this may cause a short.

Install the front left and right turn signal harnesses. Black/white stripe goes to left side, Black/green stripe goes to right side. Connect as shown in diagram to turn signal switch wires corresponding colors (not included) and main harness wires using the supplied connectors. Grey wires go from fuse box "G" to #58 terminal for parking lights in front turn signal assemblies.

Disconnect and remove the front left headlight harness, install new harness K3-36 and connect as per diagram. Follow same steps for front right harness. Be sure to include the headlight ground wires through the body and front fender and ground using proper sheet metal screw (be sure ground area is clean). Install headlight wires into the socket housing as show in diagram. Be sure they clip in connector properly.

5. Brake master cylinder, horn harness.

Remove old brake harness and install new harness. This harness runs through same cavity in the body as the horn wires, brake reservoir tubes, be careful pulling wires through as it can be a tight fit. Reseal after all wires are installed with a putty sealer/silicone. Connect brake switch wires as per diagram, black wire to fuse box marked "U", black/red stripe wire to single connector supplied to main harness of same color wire (black/red). Single red wire goes to brake warning light on dash.

6. Taillight harnesses.

Remove taillight lenses and bulb holders, disconnect terminals and remove harness through fender and body. Install new harnesses through body and connect as per diagram.

7. Turn signal/emergency flasher wires.

To make this easier it is best to leave switches unmounted from dash and make connections first before installing switches on dash panel. There are different types of flashers 2,3 or 4 prong relays. 3 prong relay has a ground terminal, 2 prong has no ground, 4 prong has a ground terminal as well as terminal for dash light bulb. *70-71 VWs usually came with a 4 prong flasher relay. If using a 2 or 3 prong relay the dash light will connect to 49a or "L" instead of the "KBL" terminal. Be sure the emergency flasher switch is grounded to body or it will not work properly.

Turn signal switch

Some wires are attached to turn signal switch and don't come in this kit. Such as:

Brown/white wire turn signal switch to #S high beam relay

Brown wire (horn) turn signal switch to front left harness

These wires also do not come with this kit which are attached to ignition switch.

- connect red power wire from ignition switch harness to #30 on light switch

- connect red/black starter wire from ignition switch harness to #50 main harness

- connect black wire #15 from ignition switch to fuse box terminal marked "B" on diagram. Small b wire connects to #15 terminal on bottom of speedometer (late 1971 beetle: black/yellow wire #X goes to headlight switch, Brown/blue wire is ground)

Windshield wiper wires.

Be sure ground tang on motor is making good contact with body for return function to work properly.

- brown wire #31b wiper motor to wiper switch

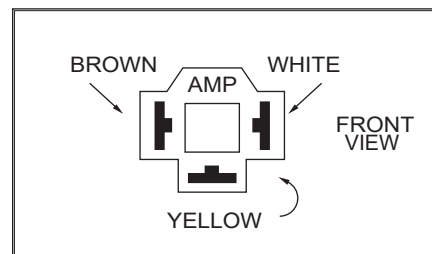
- black wire #53 wiper motor to wiper switch

- black/red stripe #53a wiper motor to switch

- black/yellow stripe #53b wiper motor to switch

***Installation should be complete. All light bulbs, fuses, switches, relays should be in working order. Before connecting battery double check all connections and make sure grounds are properly grounded. Test lights first, then check accessories.**

-- This kit will not fit a late 71 bug with 12 fuse box and wiper switch on steering column!! Use kit number 0754



1 Turn signals, Horn, Warning lights for Automatic Stick Shift and Rear window defogger (switch current), Fuel gauge, Air conditioner

2 Windshield wipers, Stop lights, Brake warning light

3 High beam, left High beam warning light

4 High beam, right

5 Low beam, left

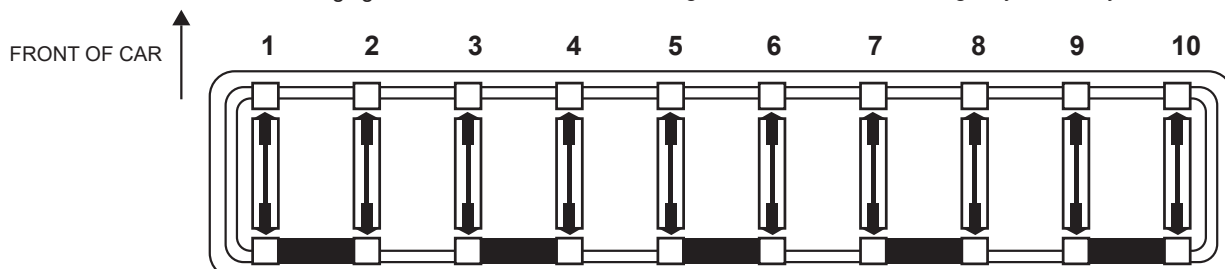
6 Low beam, right

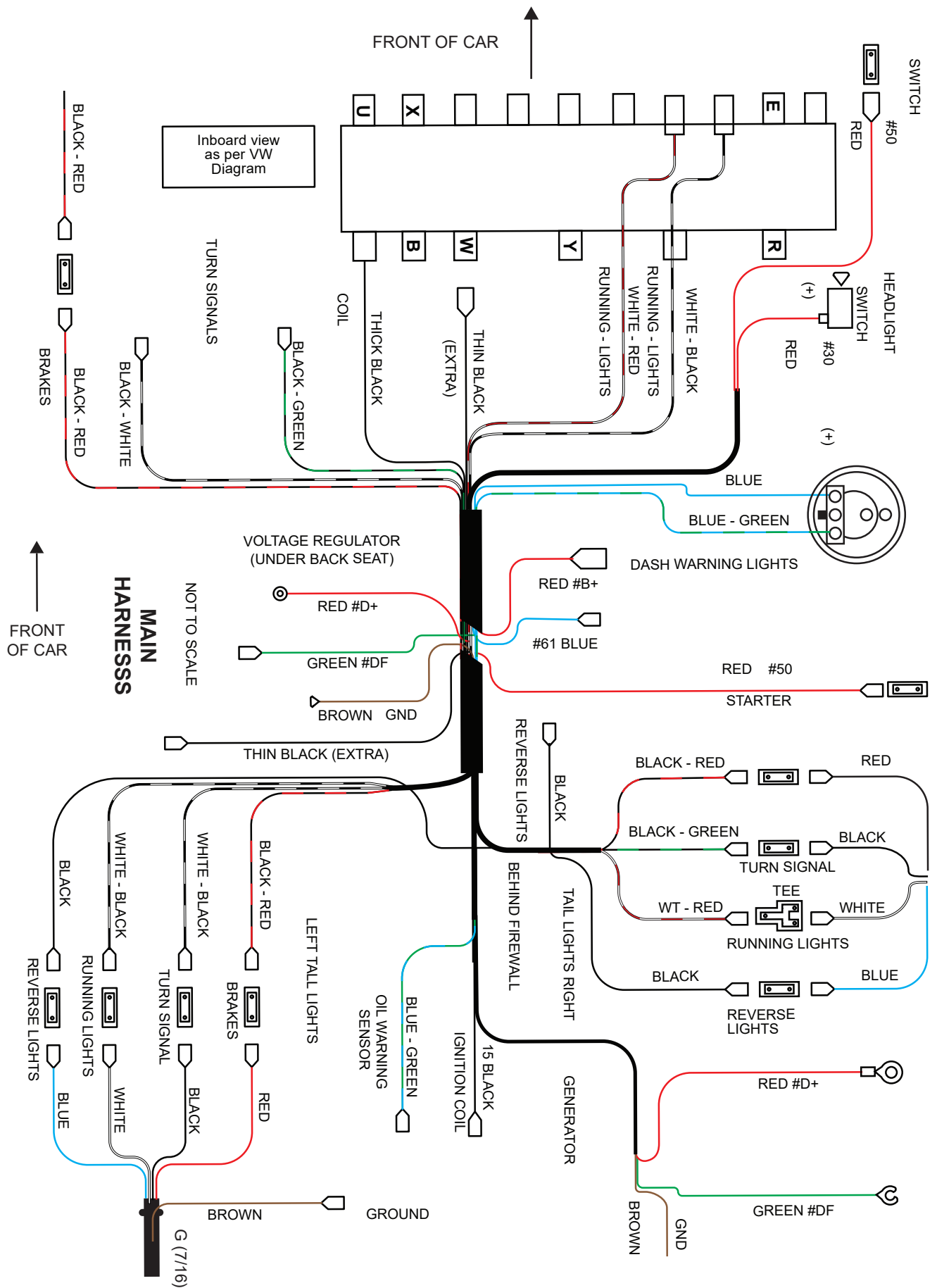
7 Parking and side marker light, left Tail light, left

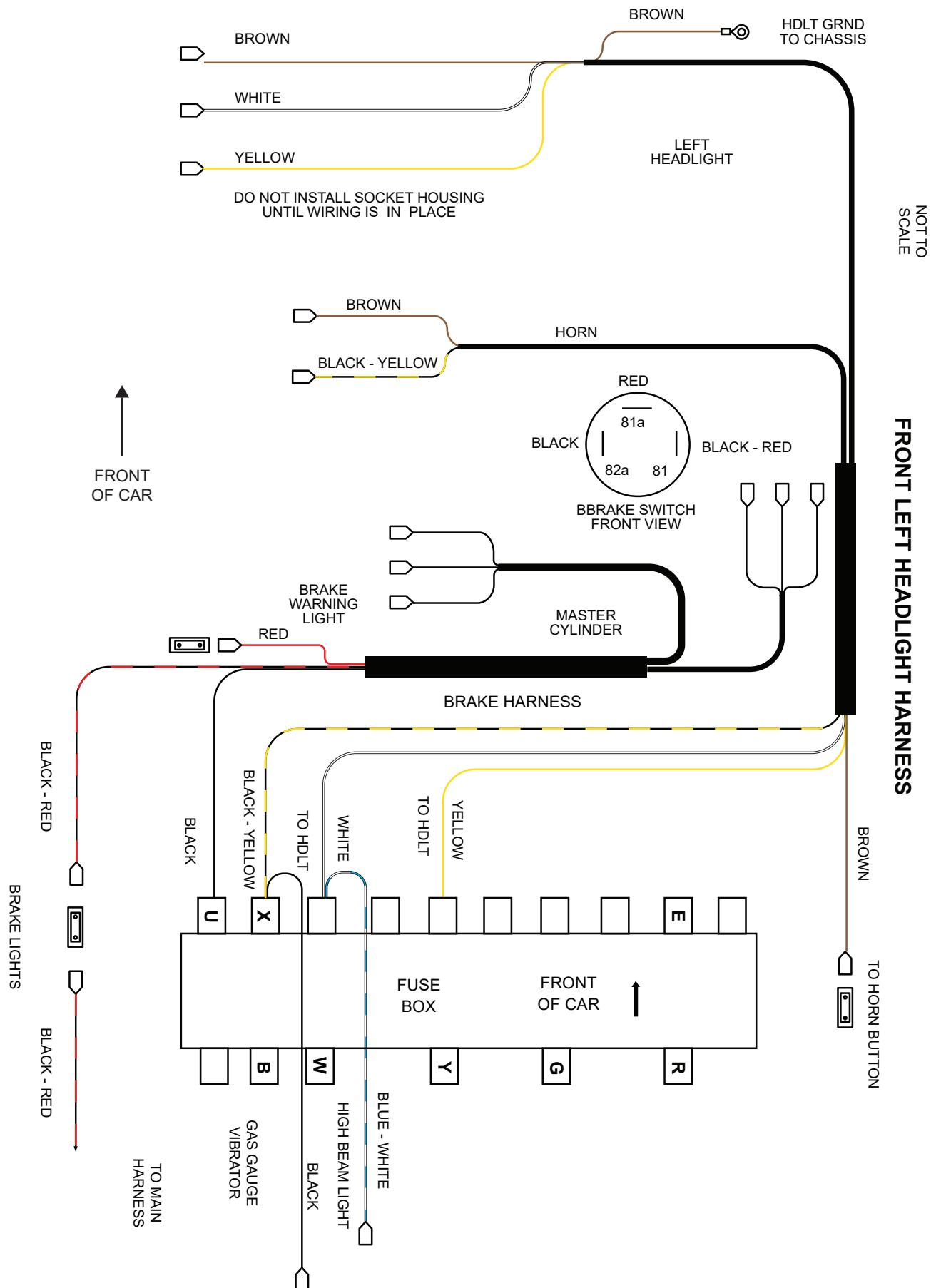
8 Parking and side marker light, right Tail light, right License plate light

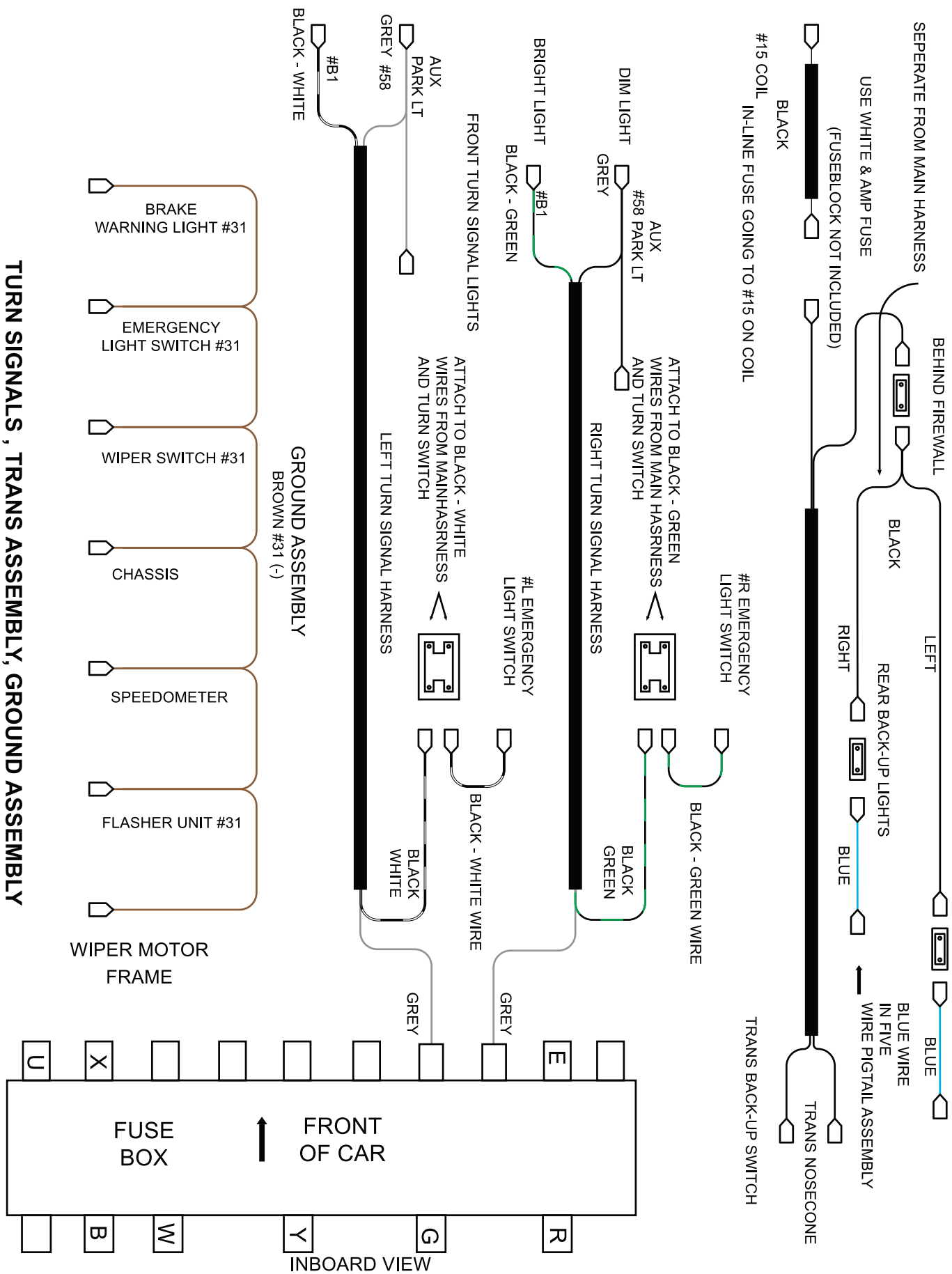
9 Interior light, Buzzer alarm

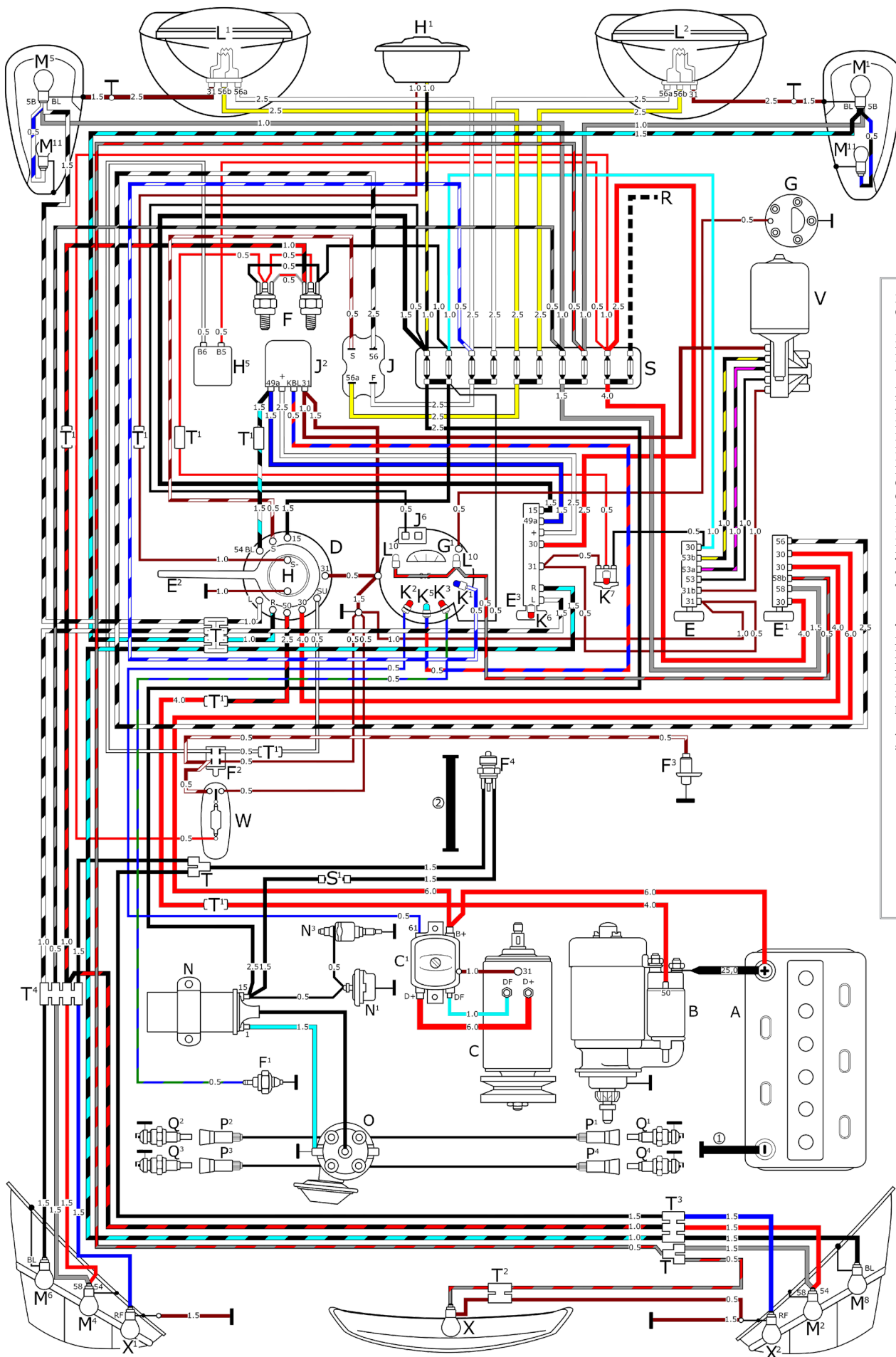
10 Emergency flasher system











- E Windshield Wiper Switch
- G Turn Signal and Headlight Dimmer Switch
- H1 Horn Button
- H2 Steering Column Connection
- J1 Turn Signal and Emergency Flasher Relay
- J2 Dimmer Relay
- J3 Brake Light Switch
- K1 High Beam Warning Light
- K2 Generator Warning Light
- K3 Turn Signal Warning Light
- K4 Oil Pressure Warning Light
- K5 Speedometer Light
- O1 Automatic Choke
- O2 Electro-magnetic Pilot Jet
- P1 Plug Connector, #1 Cylinder
- P2 Plug Connector, #2 Cylinder
- P3 Plug Connector, #3 Cylinder
- P4 Plug Connector, #4 Cylinder
- T Cable Adapter
- T1 Cable Connector, Single
- T2 Cable Connector for Horn under front luggage compartment lining
- T3 Cable Connector Triple
- X1 Brake and Tail light
- X2 Brake and Tail light
- X3 Turn Signal light
- X4 Turn Signal light
- 2 Horn ring to steering coupling
- ground connection
- 4 Wiper motor to body ground strap