






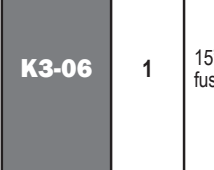
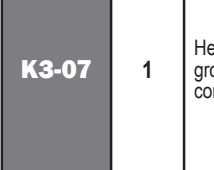
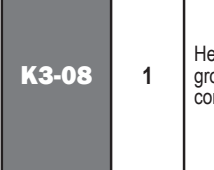
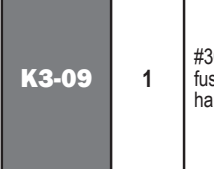
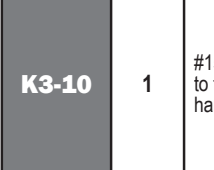










INSTALLATION MANUAL


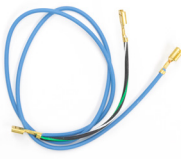






98-9488-0















K3-1970-1971 BEETLE (Sedan) WIRING HARNESS

KIT CONTENTS:

ITEM	QTY.	DESCRIPTION	
K3-01	1	6" White wire fuse box labeled "W" to #56a high beam relay.	
K3-02	1	6" Yellow wire fuse box terminal labeled "Y" to #F (or 56b) high beam relay.	
K3-03	1	15" White/black stripe #56 light switch to #56 high beam relay.	
K3-04	1	15" Red wire #30 headlight switch to top left fuse box (R).	
K3-05	1	24" White wire #49 or "X" on flasher relay to emergency flasher switch "+".	
K3-06	1	15" Grey wire #58 light switch to fuse box terminal marked "G".	
K3-07	1	Headlight ground wire, body ground screw to headlight connector.	
K3-08	1	Headlight ground wire, body ground screw to headlight connector.	
K3-09	1	#30 Emergency flasher switch to fuse box terminal marked "U" on harness diagram.	
K3-10	1	#15 On emergency flasher switch to fuse box terminal marked "U" on harness diagram.	

ITEM	QTY.	DESCRIPTION	
K3-11	1	Black/white stripe wire #L emergency light switch to black/white stripe wire from turn signal switch(tee).	
K3-12	1	Black/red stripe #53a wiper motor to switch.	
K3-13	1	Black/yellow stripe wire #53b wiper motor to switch.	
K3-14	1	Black wire #53 wiper motor to switch.	
K3-15	1	Blue/green stripe #kbl on flasher to green arrow on speedo.	
K3-16	1	Small female connector to #K brake warning light, other bigger female connector to single red wire on brake wire harness(K3-38) using single connector.	
K3-17	1	Brown wire #31b wiper motor to switch.	
K3-18	1	Double black wires #15 (+) of coil to carb cutoff valve (shorter wire), and jumped to choke	

ITEM	QTY.	DESCRIPTION	
K3-19	1	Green wire #30 (or+) on wiper switch to fusebox terminal marked "X" on diagram. Connect small black wire with smaller female connector to #15 on brake warning light.	
K3-20	1	Blue wire 49a to flasher relay to #49a flasher switch. Black/green/white wire #49a (or L) flasher relay to #54 black/green/white wire from turn signal switch using provided connector.	
K3-21	1	Backup light wires, shorter black wire goes to right side connector to blue wire on taillight harness. Longer black wire to left side taillight connector to blue wire on taillight harness. Female terminal side with 2 wires goes black wire from trans nose cone (see diagram).	
K3-22	1	21" Black/green stripe wire #R emergency light switch to black/green stripe wire from turn signals (tee).	
K3-23	1	Brown ground link harness for wiper, flasher, speedo, and switches. (see diagram).	
K3-24	1	#15 on coil to trans nose cone harness for backup light (see diagram) best to use A inline fuse not provided this kit.	
K3-25	1	Brown single wire harness, fuel tank sending unit to fuel gauge "G" terminal.	
K3-26	1	Taillight harness left/right, run through rear of body using supplied grommet.	

ITEM	QTY.	DESCRIPTION		ITEM	QTY.	DESCRIPTION	
K3-27	1	Taillight harness left/right, run through rear of body using supplied grommet.		K3-34	1	Double white/red stripe #58b light switch to gas gauge and speedo bulb holders.	
K3-29	1	Double black wire harness, backup lights (trans nosecone to #15 on coil to black wire behind firewall (inline fuse is recommended from coil wire).		K3-35	1	Dome light harness. Long tail end wire, red to (+), brown/white stripe to (-), and brown to ground, feed through A pillar to dome light. Other end of harness red wire goes to terminal marked "E" on bottom of fuse box as per diagram. Single brown wire connects to ground, longer brown wires connect to door switches. (Make sure door switches are working properly and have a good ground on a freshly painted car).	
K3-30	1	License plate light harness, brown wire is ground, grey wire goes to license plate bulb holder and to white/red stripe wire on passenger side taillight harness with TEE connector.		K3-36	1	Right headlight harness. On headlight connector be sure to make connections properly based on color and terminal.	
K3-31	1	Right front blinker harness. Black green stripe attaches to connector from turn signal switch with wire of same color. Grey Wire goes to bottom of fuse box Terminal marked "G". Other end goes to turn signal bulb holder, black/green stripe wire to bright light filament of bulb #B1, Grey goes to dimmer filament #58, short black wire goes to Aux. parking light bulb.		K3-37	1	Left headlight/horn harness (see diagram).	
K3-32	1	Left front blinker harness. Black/white stripe wire goes to connector at turn signal switch with wire of same color, grey wire goes to bottom of fuse box terminal marked "G". Other end of wires black/white stripe goes to front left blinker bulb holder base brighter bulb filament #B1. Grey goes to dimmer filament #58, short black wire goes to Aux. parking light.		K3-38	1	Brake switch harness (see diagram).	
K3-33	1	Red wire, #50 on starter to same color wire from main harness under back seat using single connector.		K3-39	1	Main harness through body.	
				K3-41 to K3-46	1	Headlight sockets, body grommets, splice connectors.	
				K-99	6	Extra female terminals.	

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 K3-35 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 K3-30 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 K3-32, Black/green stripe goes to right side K3-31. 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 K3-37. Be sure to include the headlight ground wires K3-07 and K3-08 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 K3-38. 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 K3-27/K3-26 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 black 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.

-K3-17 brown wire #31b wiper motor to wiper switch

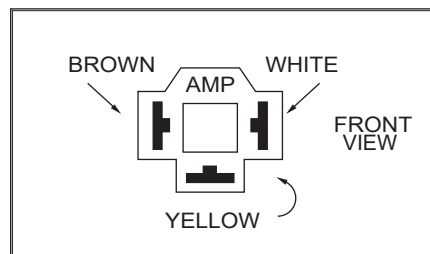
-K3-14 black wire #53 wiper motor to wiper switch

-K3-12 black/red stripe #53a wiper motor to switch

-K3-13 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 98-9490-0



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

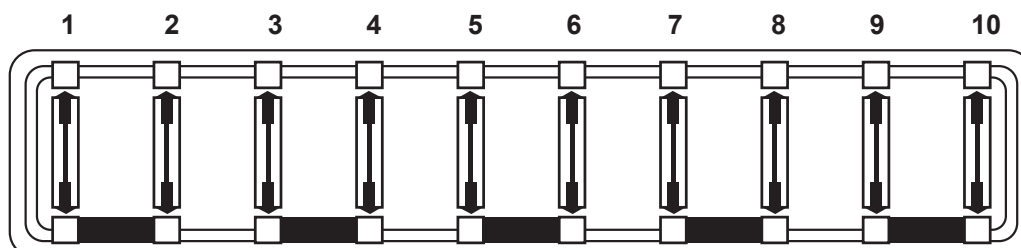
7 Parking and side marker light, left Tail light, left

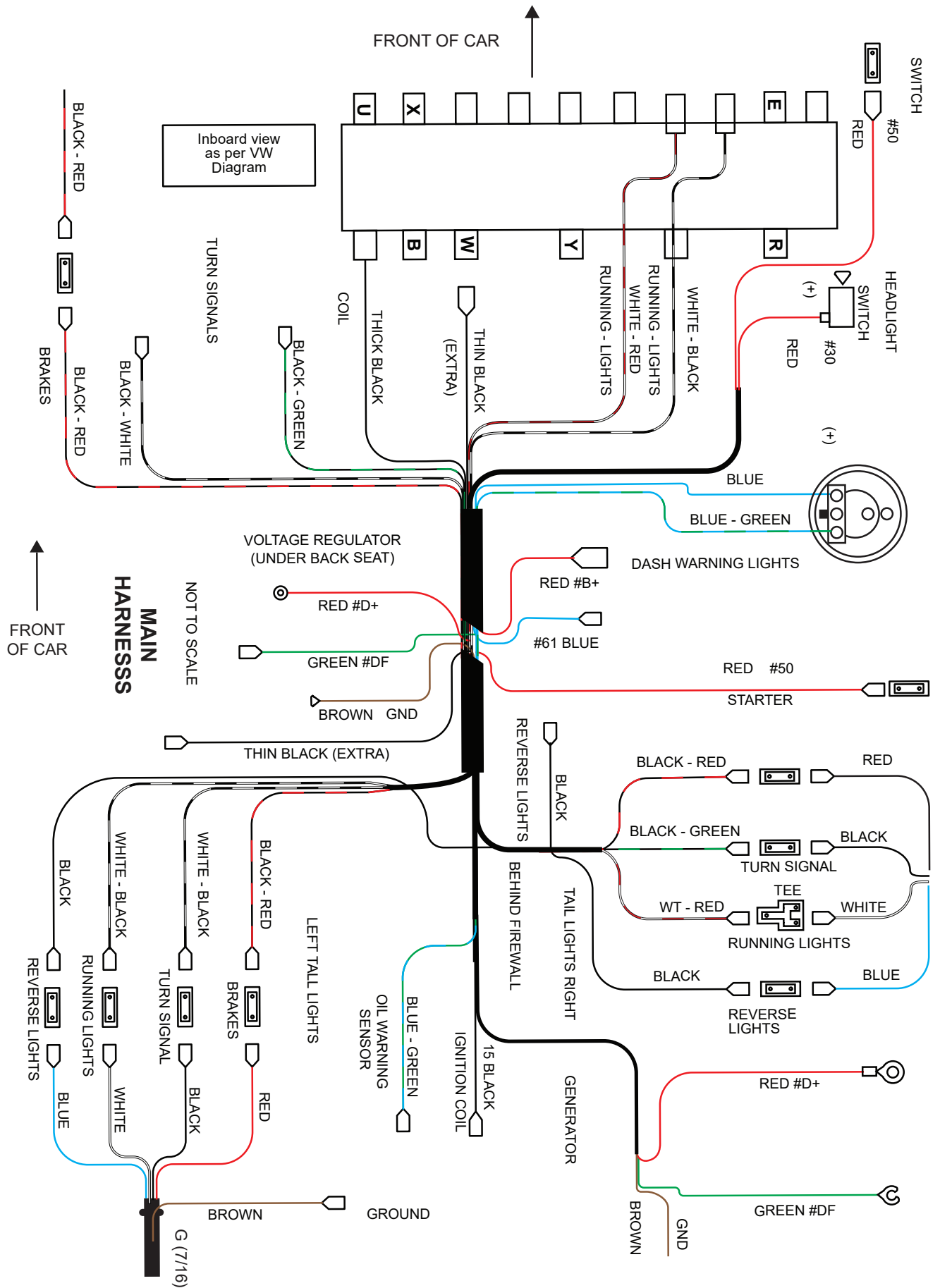
8 Parking and side marker light, right Tail light, right License plate light

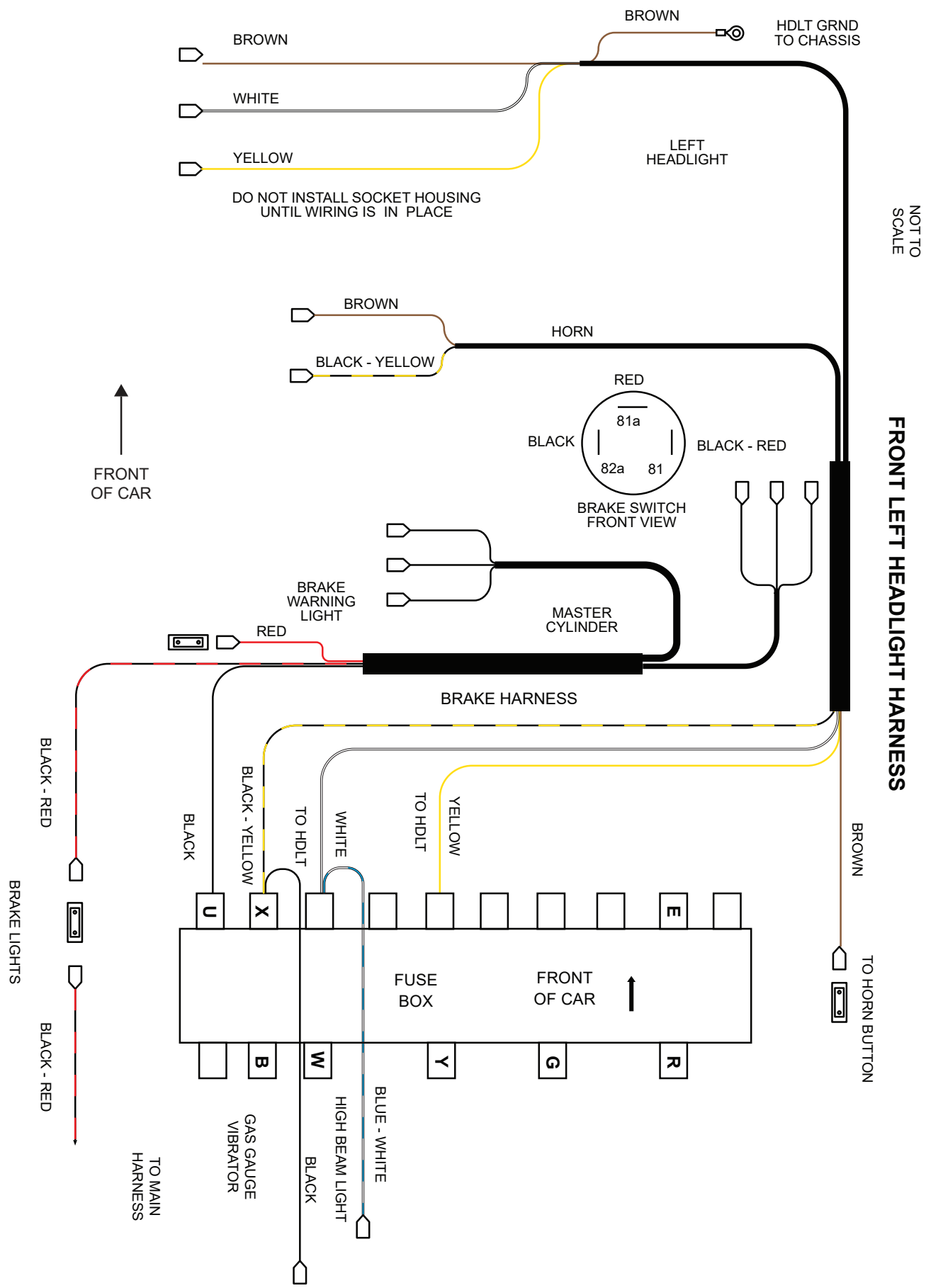
9 Interior light, Buzzer alarm

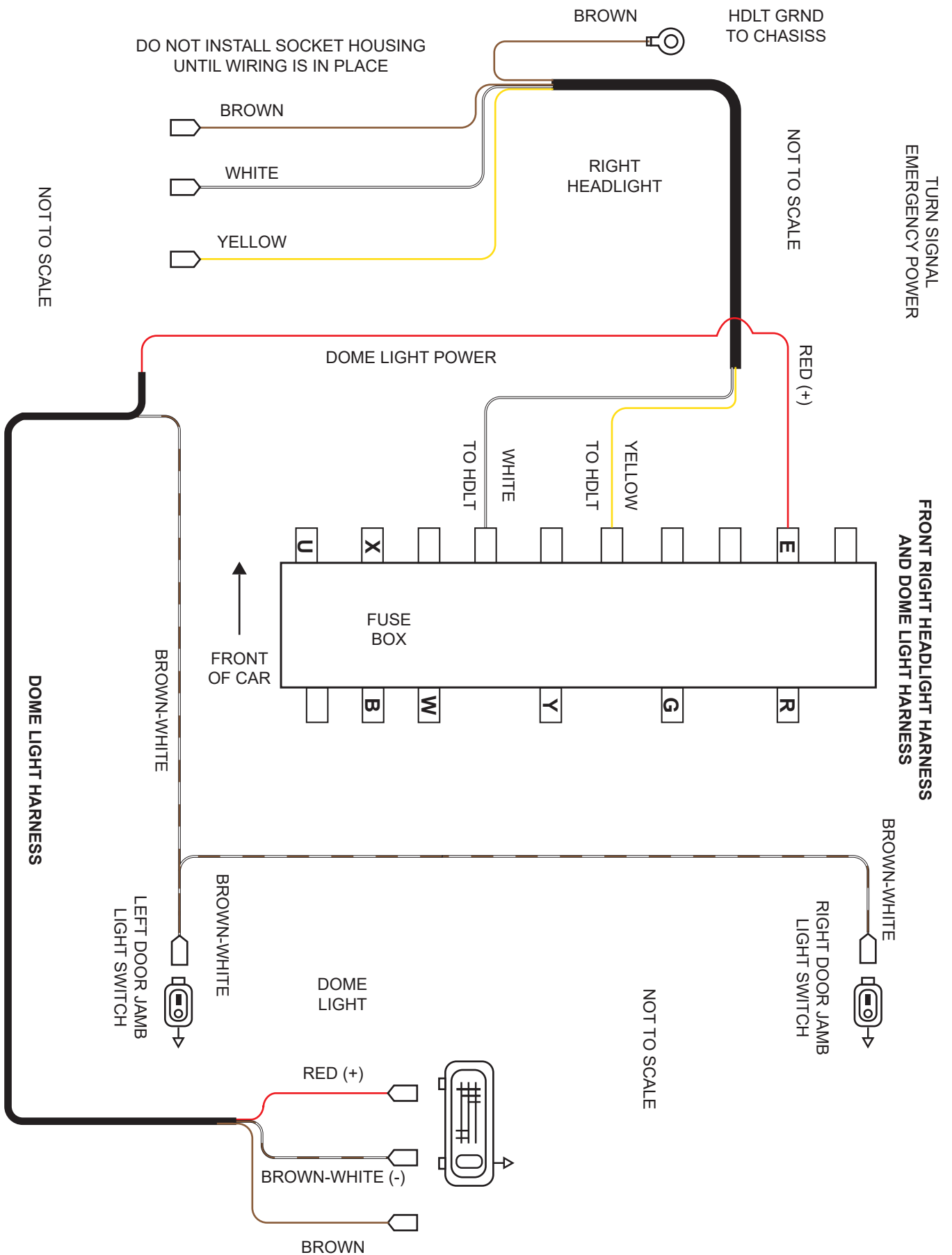
10 Emergency flasher system

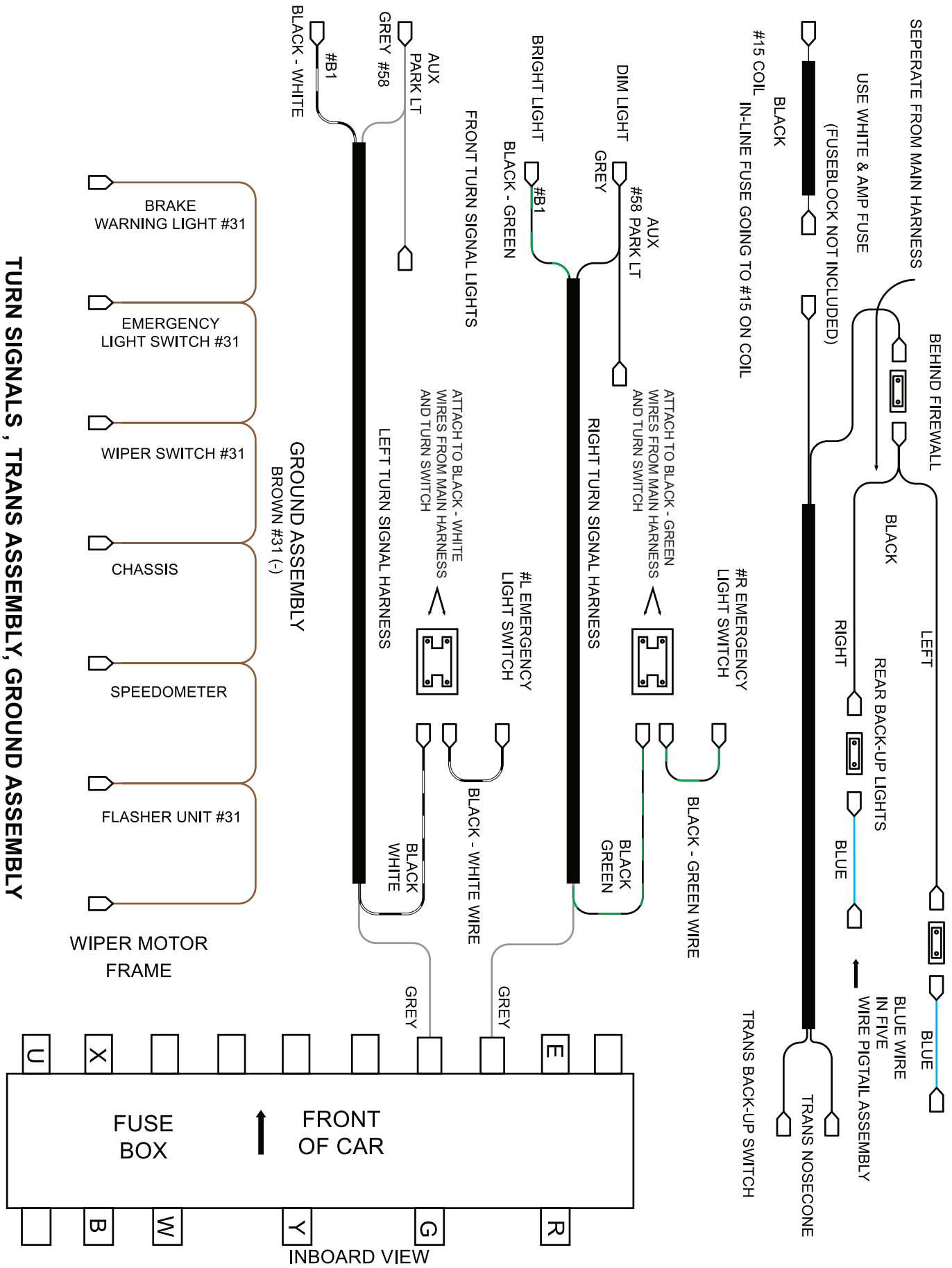
FRONT OF CAR ↑



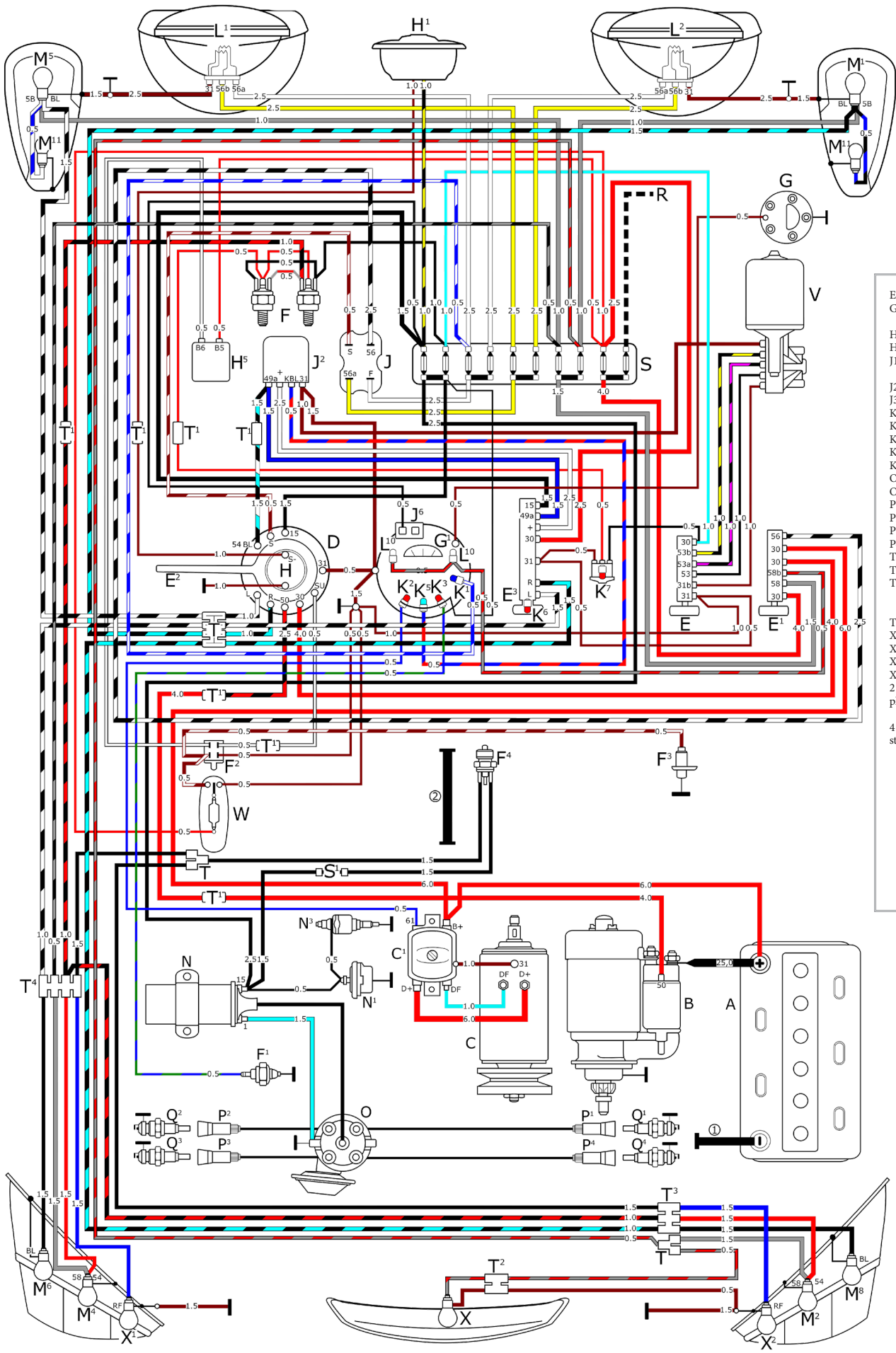








TURN SIGNALS , TRANS ASSEMBLY, GROUND ASSEMBLY



- E Windshield Wiper Switch
- G Turn Signal and Headlight Dimmer Switch
- H1 Horn Button
- H2 Steering Column Connction
- 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 Adaptor
- 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