



















INSTALLATION MANUAL





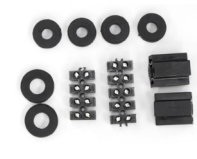

98-9478-0

K13 1960 BEETLE (Sedan) WIRING HARNESS

KIT CONTENTS:

ITEM	QTY.	DESCRIPTION	
K13-01	1	#30 on headlight switch to fusebox terminal marked "R" on diagram	
K13-02	1	#30 on ignition switch to fusebox terminal marked "R" on diagram	
K13-03	1	#58 on headlight switch to fusebox terminal marked "G" on diagram	
K13-04	1	#31b on wiper switch to #31 on wiper motor	
K13-05	1	Left rear taillight harness, connects to main harness using supplied connectors and runs through body and fender to taillight, follow diagram on page 06.	
K13-06	1	Dome light harness, follow diagram on page 08.	
K13-07	1	Right rear taillight harness, routes through body along bottom on rear apron, make sure to secure with tabs, if they are broken or missing due to apron replacement, harness can be re-routed along firewall but wires will need to be extended and possibly hole drilled. Follow diagram on page 06.	
K13-08	1	License plate wire to driver side running light wire white/red stripe wire using supplied connector.	
K13-09	1	Turn signal switch black/white stripe wire to left front blinker housing terminal.	
K13-10	1	Driver headlight wire, fuse box by gas tank to driver headlight connector.	

ITEM	QTY.	DESCRIPTION	
K13-11	1	Turn signal switch black/green stripe wire to right front blinker housing terminal.	
K13-12	1	Headlight connector to body ground.	
K13-13	1	Thicker black wire #15 on starter switch to fuse box terminal marked "B" Double wire soldered together on harness diagram. Smaller wire to #15 on bottom of speedometer.	
K13-14	1	Brown wire #31b wiper motor to switch, black wire #54 wiper motor to switch, black/purple stripe #54b wiper motor to switch.	
K13-15	1	Left front headlight, horn, brake switch, dimmer wires, follow diagram on page 07.	
K13-16	1	Main harness, follow main harness diagram on page 06.	

ITEM	QTY.	DESCRIPTION	
K13-17	1	#30 on ignition switch to fuse box terminal marked "R" on harness diagram.	
K13-18	1	Flasher relay terminal #15 (or 49, X) to fuse box terminal marked "T" on harness diagram.	
K13-19	1	Green arrow turn indicator on speedometer to #K (or L, 49a) terminal on flasher relay. Relay may need to be grounded #31 if needed. <i>(Wire not included in kit but is attached to turn signal switch, black/white/green wire to #54 or (L, 49) on flasher relay)</i>	
K13-20	1	Speedometer dash light bulb holder to #58b on headlight switch.	
K13-21	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 are bad grounds. Be sure grounds are exposed to bare metal and remove any type of paint from mounting locations. Also be sure ground strap is good from transmission to pan as that may cause charging issues and dash warning light issues.

This kit fits 1960 beetle sedan only. It is designed for 6 Volt but can be used on a 12 Volt system. Some modifications will need to be made to harness such as for a alternator, stereo, or 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. Fuse boxes, switches, bulb holders, etc must all be in working order. 1960 is a one year only car with a four fuse box up by the dash and a four fuse box down by front quarter panel by gas tank. If it is a semaphore car, harness is not included in this kit. 1960 also uses a six wire turn signal switch, if you have a three wire switch it can also be used with some modifications.

Grommets. Some replacement grommets are supplied and must be replaced. They are designated on diagrams with a "G".

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. Some insulation may need to be removed from the body cavity on the rear of the car. Tape up all wires on main harness in a bundle as tight as you can. Harness is now ready to be removed. You may need to remove some insulation from body cavity above the rear firewall. Grab a fish tape or guide rope and wrap the bundle of wires and secure with black electrical tape 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. Dome light harness.

Replace dome light harness first before main harness goes in. Attach fish tape/rope to old dome light harness through light opening, pull harness out through behind dash. Tie new harness to guide rope and pull new harness up through "A" pillar until it comes out of dome light pocket.

3. Install main harness.

Now that dome light harness is in new harness can be installed. Tie fish tape/rope to the new harness by the rear of the car. Be sure it is nice and tight and wont catch on any of the body panels, black electrical tape or duct tape helps with this and be sure to tape up the connectors tightly to the bundle. Some lubricant such as silicone spray or dish soap will also help. Use patience and pull harness through body carefully, Do not force! You may need to pull harness back and forth to get it to pull through smoothly. When harness pulls through the front be sure the main harness and dome light harness are clear of the hood hinge and bend tabs back over harness. You may now connect dome light harness to door switches and make connections at fuse box. Follow wiring diagram for main harness on Page 06.

4. Taillight harnesses.

Install the two taillight harnesses through the rear of the fenders and body. The longer harness routes behind the rear apron to the left (driver side) taillight. Be sure to attach to existing tabs underneath apron as the harness may get damaged on the hot exhaust. If apron has been replaced or tabs are broken harness can be re-routed behind fan shroud and the harness may need to be lengthened and drilling may be required. The taillights ground through the taillight bracket. A separate ground wire may need to be soldered to the bulb holder and grounded to fender or body. Be sure contacts on taillight bulb holders are not grounding as this may cause a short. are supplied. Route passenger headlight wires along bottom of spare tire well and headlight wires through headlight tubes, connect wires to headlight connector. Be sure to connect grey wire for parking light on bottom of headlight to proper terminal (filament side). Follow diagram and make proper connections.

5. License plate light harness.

Replace dome light harness first before main harness goes in. Attach fish tape/rope to old dome light harness through light opening, pull harness out through behind dash. Tie new harness to guide rope and pull new harness up through "A" pillar until it comes out of dome light pocket.

6. Front turn signal wires.

Black/white stripe wire goes to left side, Black/green stripe wire goes to right side. Connect to corresponding colors on turn signal switch using 5 block connector.

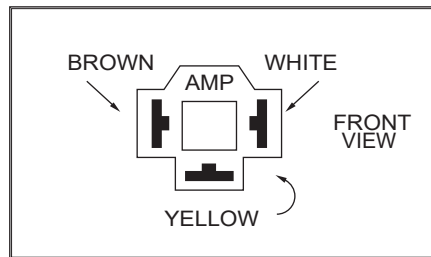
7. Headlight harnesses.

Disconnect and remove both front headlight harnesses. Install new left harness and make connections as per wiring diagram on page. Route headlight wires through body and fender, hi/lo beam and brake switch wires through firewall and replace grommet with new one. Horn wires will route along driver side of body panel. Be sure to make proper connections on headlight 3 prong connector, you should feel wires clip into connector and follow diagram below.

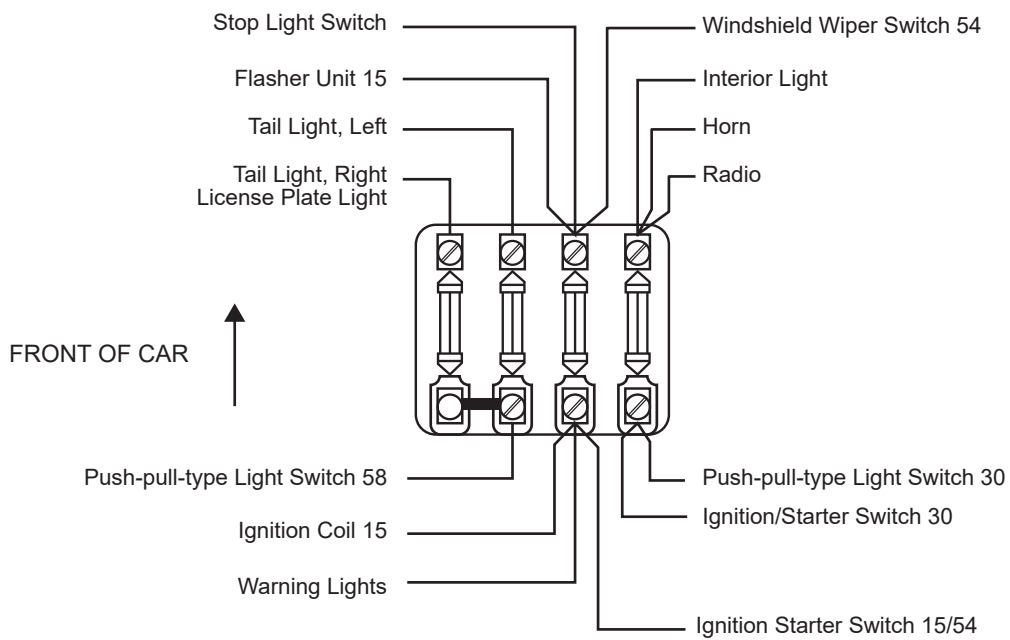
8. Front running lights.

Be certain white/black stripe wire is attached to proper terminal of parking light socket on headlights (center of bulb). It may be necessary to add ground wire from terminal to fender using a self tapper screw. Do not get these wires crossed!!.

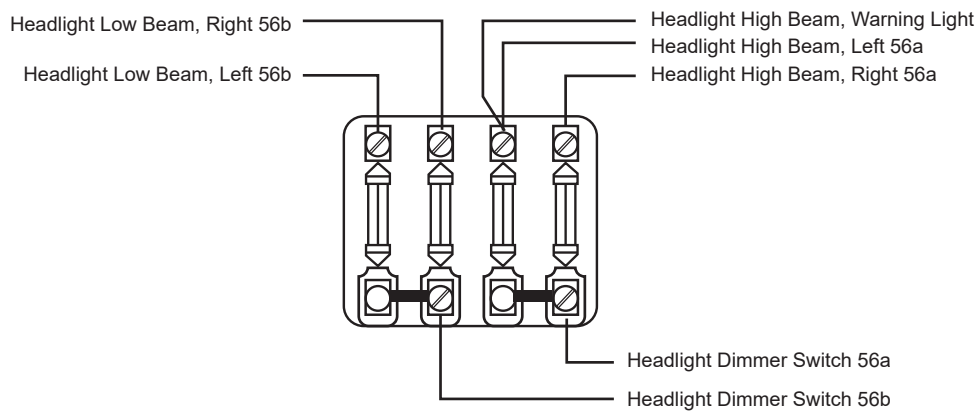
**Installation should be complete. All light bulbs, fuses, switches, relays should be in working order. Before connecting battery double check all connections and make sure grounds are properly grounded. Test lights first, then check accessories.*

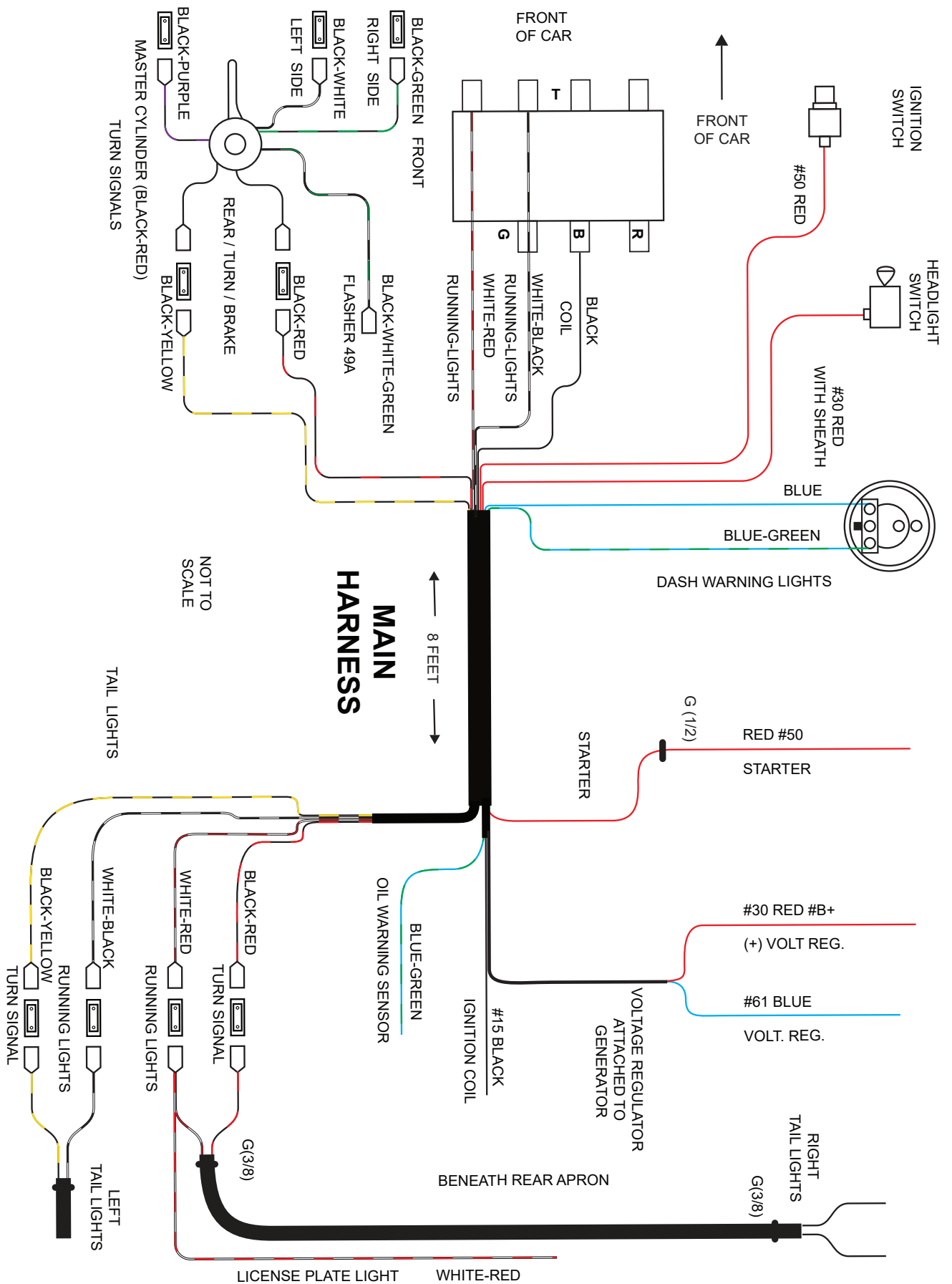


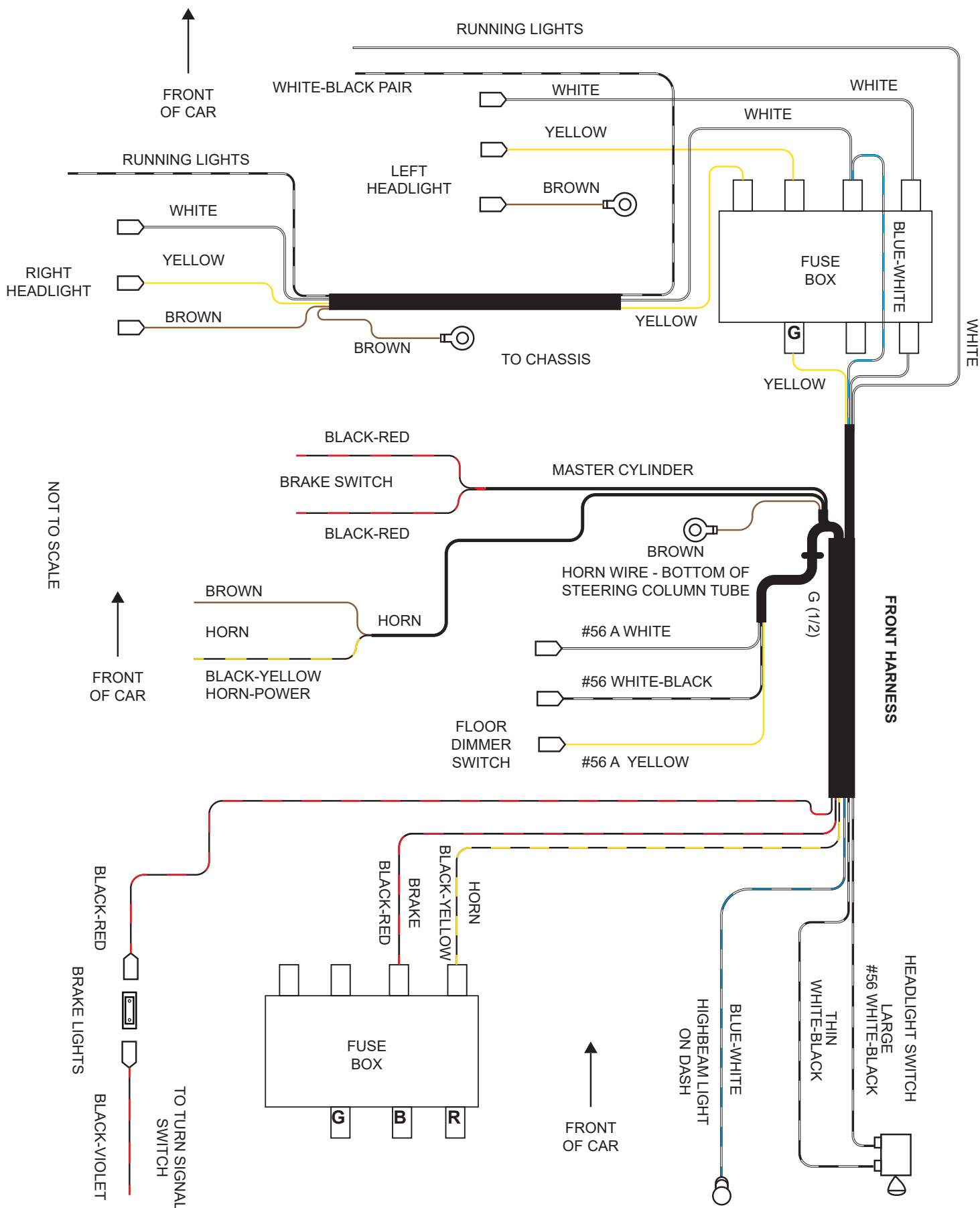
Fuse box on the back of the instrument panel

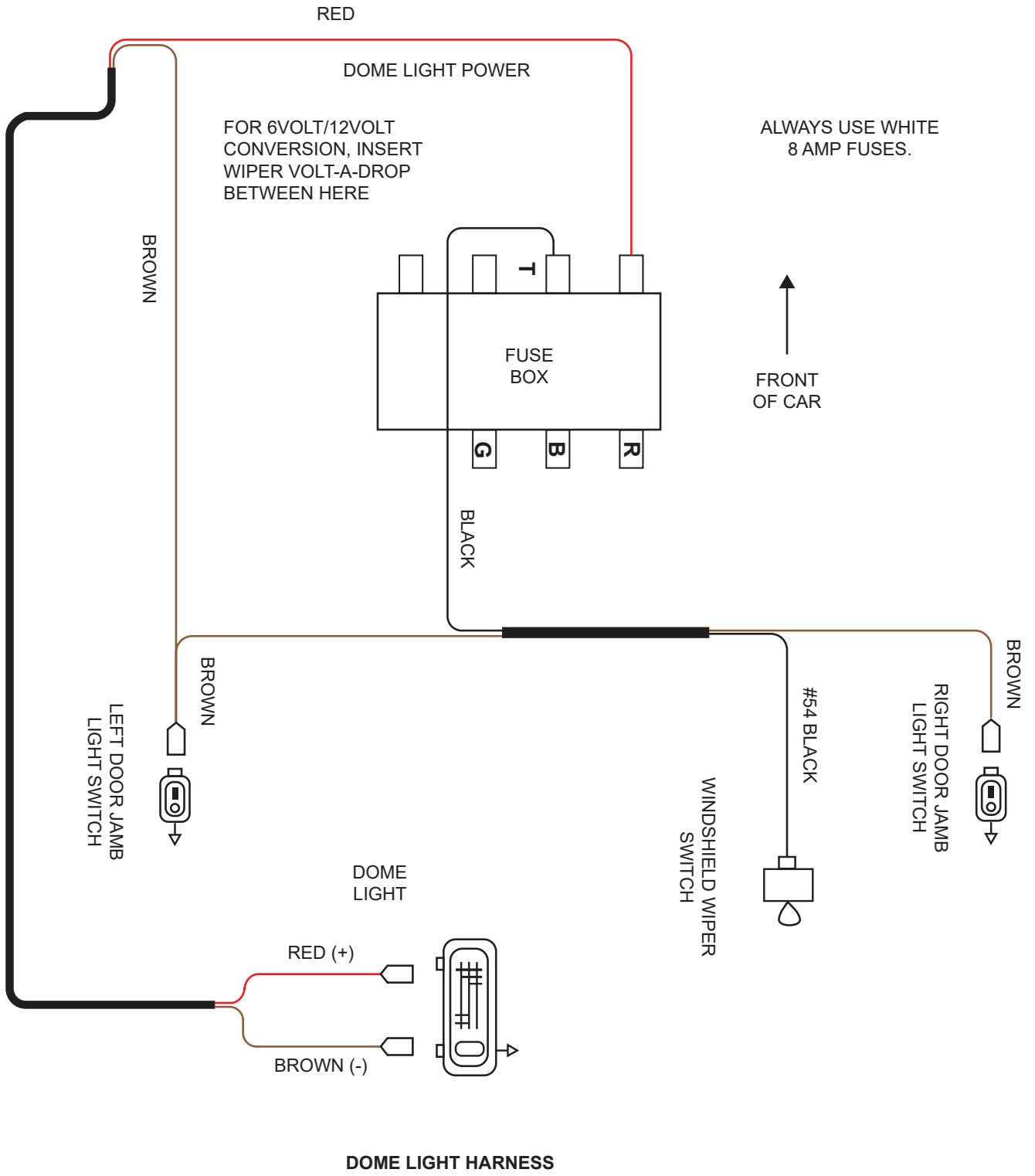


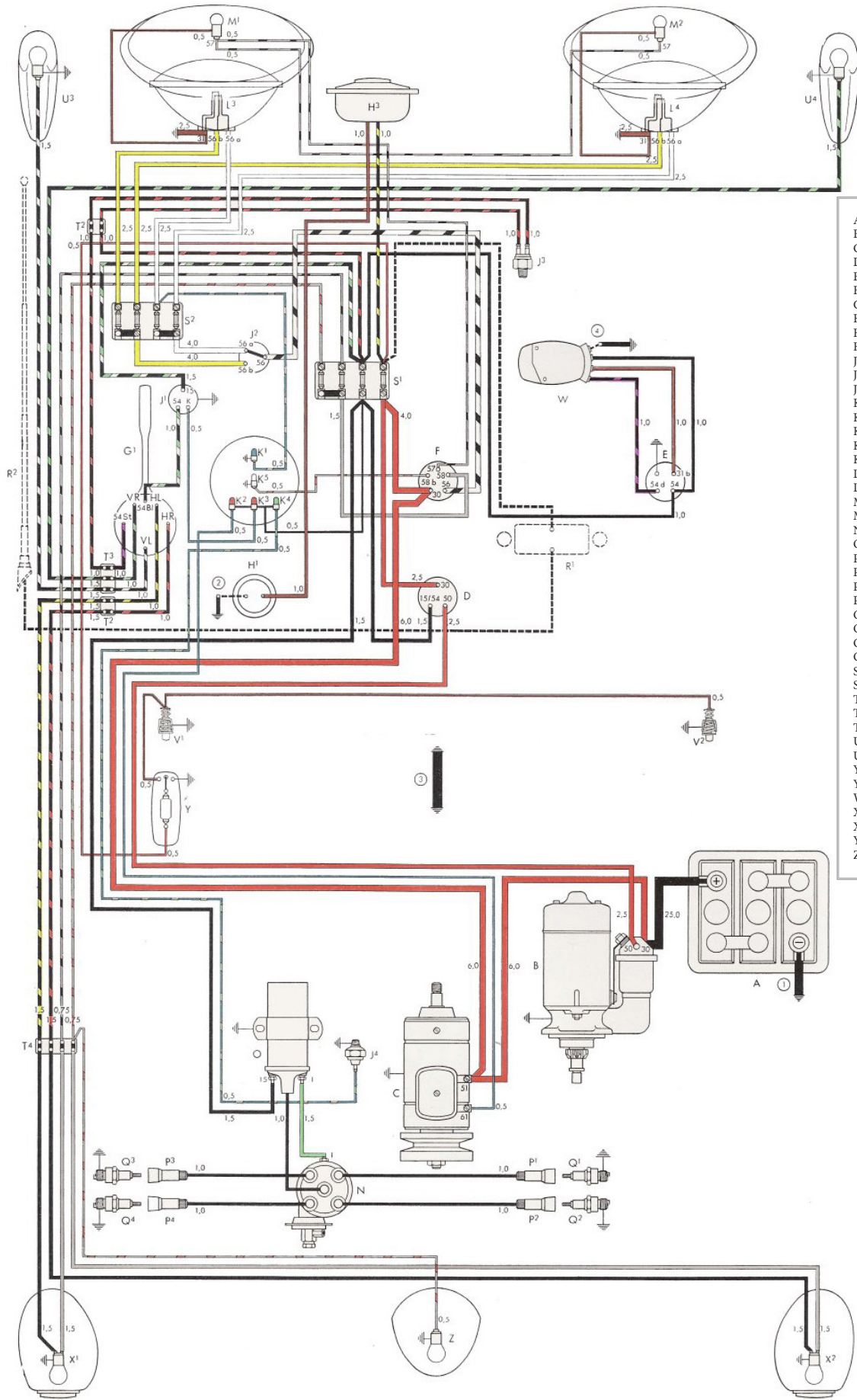
Fuse box adjacent to the fuel tank











- A Battery
- B Starter
- C Generator / Regulator
- D Ignition Starter Switch
- E Windshield Wiper Switch
- F Light Switch & Instrument Panel Lighting
- G Direction Indicator Switch
- H1 Horn Button
- H2 Horn Brush
- H3 Horn
- J2 Headlight Dimmer Switch
- J3 Stop Light Switch
- J4 Oil Pressure Switch
- K1 High Beam Indicator Light
- K2 Generator Control Light
- K3 Direction Indicator Control Light
- K4 Oil Pressure Warning Light
- K5 Speedometer Light
- L1 Bi Filament Bulb for Headlight, Light
- L2 Bi Filament Bulb for Headlight, Right
- M1 Parking Light, Left
- M2 Parking Light, Right
- N Ignition Distributor
- O Ignition Coil
- P1 Spark Plug Connector for Cylinder 1
- P2 Spark Plug Connector for Cylinder 2
- P3 Spark Plug Connector for Cylinder 3
- P4 Spark Plug Connector for Cylinder 4
- Q1 Spark Plug for Cylinder 1
- Q2 Spark Plug for Cylinder 2
- Q3 Spark Plug for Cylinder 3
- Q4 Spark Plug for Cylinder 4
- S1 Fuse Box (four Fuses)
- S2 Fuse Box (two Fuses)
- T1 Connector, Single
- T2 Connector, Double
- T3 Connector, Triple
- U1 Direction Indicator, Left
- U2 Direction Indicator, Right
- Y1 Door Contact Switch, Left
- Y2 Door Contact Switch, Right
- W Windshield Wiper Motor (3 Connections)
- X1 Stop and Tail Light, Left
- X2 Stop and Tail Light, Right
- Y Interior Light
- Z License Plate Light