
















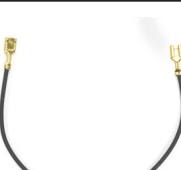
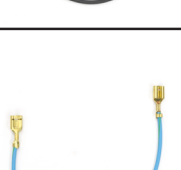

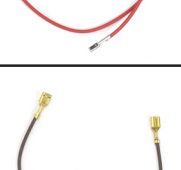

# INSTALLATION MANUAL



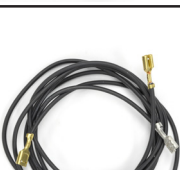
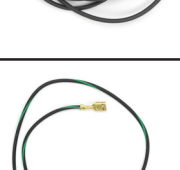



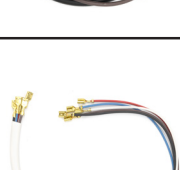
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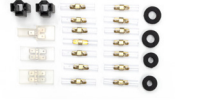

# K2-1968-1969 BEETLE (Sedan and Convertible) WIRING HARNESS

## KIT CONTENTS:

ITEM	QTY.	DESCRIPTION		ITEM	QTY.	DESCRIPTION	
K2-01	1	6" White wire fusebox terminal "W" on diagram to #56a on high beam relay.		K2-06	1	15" Grey wire #58 headlight switch to fusebox terminal "G" on diagram.	
K2-02	1	6" Yellow wire fusebox terminal "Y" on diagram to #F (or 56b) on high beam relay.		K2-07	1	Ground terminal on passenger headlight connector to body ground screw (see illustration of headlight connector wiring on headlight harness diagram on page 06).	
K2-03	1	15" White/black stripe wire #56 headlight switch to #56 high beam relay.		K2-08	1	Ground terminal on driver headlight connector to body ground screw.	
K2-04	1	15" Red wire #30 headlight switch to fusebox terminal "R" on diagram.		K2-09	1	#30 Emergency flasher switch to fusebox terminal "E" on diagram.	
K2-05	1	24" White wire (+) flasher relay to emergency switch (+).		K2-10	1	#15 Emergency flasher switch to fusebox terminal "U".	

ITEM	QTY.	DESCRIPTION	
K2-11	1	#L Turn signal switch to #VL or L on flasher relay box.	
K2-12	1	Black/red stripe wiper motor #53a to wiper switch #53a.	
K2-13	1	Black/yellow stripe wire wiper motor #53b to wiper switch #53b.	
K2-14	1	Black wire wiper motor #53 to wiper switch #53.	
K2-15	1	Blue/green stripe #KBL (or L, 49a) flasher relay to green arrow light on speedo.	
K2-16	1	#K Brake warning light to red wire on harness using connector supplied.	
K2-17	1	Wiper motor #31b to wiper switch #31b.	
K2-18	1	Black double wire connector to (+, or #15) on coil to carb cutoff solenoid. Other longer end to choke.	

ITEM	QTY.	DESCRIPTION	
K2-19	1	Green wire from #30 (or +) wiper switch to fusebox terminal "X" on diagram. Small black wire with small connector to #15 brake warning light.	
K2-20	1	Blue wire/black/green/white wire: Blue: #49a flasher relay to #49a emergency flasher switch. Black/white/green striped wire: #49a (or L) flasher relay to #54 black/white/green wire from turn signal switch. (use supplied connector).	
K2-21	1	Rear backup light harness, double wire connector to harness coming from nose cone using supplied connector. Shorter black wire to Blue wire on taillight harness, longer black wire goes to other side of taillight harness blue wire using supplied connector. (See rear backup light harness diagram on page 10).	
K2-22	1	#R turn signal switch to #VR or R on flasher relay box.	
K2-23	1	Ground link assembly as shown on page 10. NOTE: early 68s did not have this separate ground system. Please see 1970 wiring diagram for updated wiring circuit.	
K2-24	1	Black wire #15 (+) coil to trans nosecone harness black wire using supplied connector (recommend install inline fuse (Not included), (see rear backup light harness diagram on page 10).	
K2-25	1	Brown single wire harness, gas tank sending unit to gas gauge #G terminal.	
K2-26	1	Left taillight harness (refer to main harness diagram on page 07).	

ITEM	QTY.	DESCRIPTION	
K2-27	1	Right taillight harness (refer to main harness diagram on page 07).	
K2-28	1	Double black wire harness, backup light harness (see diagram on page 10).	
K2-29	1	Right turn signal harness (see diagram on page 10).	
K2-30	1	Left turn signal harness (see diagram on page 10).	
K2-31	1	#50 Starter to red wire on rear of main harness, connect using supplied coupler.	
K2-32	1	#58b Headlight switch to gas gauge and speedometer illumination light.	
K2-33	1	Double white/red stripe license plate light to corresponding wire on taillight and main harness using "Y" connector.	
K2-34	1	Dome light harness (refer to diagram on page 09).	
K2-35	1	Right headlight harness (see headlight harness diagram page 09).	
K2-36	1	Left headlight harness (see headlight harness diagram on page 08).	
K2-37	1	Brake harness (see headlight harness diagram on page 08).	
K2-38	1	Main wire harness (see main harness diagram on page 07).	
K2-39 to K2-45	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 harness fits 1968-69 Beetle hardtop and convertibles only.** Basic electrical knowledge is recommended for installation or please have kit installed by professional shop. Make sure to compare OE parts to new parts before installing harness. Please use diagrams for reference only. Some diagrams shown in this kit may vary due to vehicle origin destination such as American spec or European spec models. Be sure to read instructions completely before installing new wire harness.

**PLEASE DISCONNECT BATTERY BEFORE STARTING ANY WORK!!**

**1. Removal of old harness.**

The main harness runs through the driver side floor of the body. First start off by disconnecting wires at starter, behind dash, if still running a generator, disconnect voltage regulator underneath rear seat. Remove all lights and disconnect wires from bulb holders. There are metal clips holding main harness to floor pan/heater channel, be sure to pry them away to free harness. Prep main harness for removal by making sure no wires are tangled and remove any insulation in body cavity that will prevent harness from pulling through. Some body insulation may also need to be removed through roof channel by rear firewall. Remove rear seat and driver side rear door panel. Remove carpet covering wire harness on driver side. Tape bundle of loose wires together especially around connectors on side of harness that will be pulled through.

**2. Installation of new harness.**

Once old harness is out of body, tape a guide rope or fish tape the to the old harness. It is also possible to tape new harness to old harness and pull that through towards the back of the car. **DO NOT FORCE IT!!** Some cable lube or any type of lubricant such as dish soap, silicone spray may also help. Be sure to guide wires for voltage regulator out by rear seat area. Once new harness is pulled through, secure it with the metal clips that were bent out previously.

**3. Dome light harness.**

K2-34 Now its time for the dome light harness. Attach piece of guide rope to old harness through the dome light opening. Remove the old dome light harness through underneath dash area. Attach new harness to guide rope or tape and pull harness back through roof channel and out through dome light opening. Be sure to secure harness underneath dash area and bend metal tabs back. Door switch contacts must be clean and in working order form proper dome light function.

**4. Taillight, headlight and license plate light harness.**

K2-33 Connect the license plate harness to decklid light. Bulb holder must be grounded properly to decklid. Secure harness with tabs on decklid and be sure to keep it away from rear of fan shroud. Connect to taillight harness and main harness with wire of same color using a "Y" connector supplied in kit.

K-26,K-27 Replace the taillight harnesses traveling through the rear fenders and body. Connect wires to main harness using supplied connectors as shown on main harness diagram. Also replace grommets supplied in the kit.

K-29,K-30 Install the front and right turn signal harnesses. Refer to turn signal harness diagram. Black wire white stripe harness goes to left side, Black wire green stripe goes to right side. Connect to turn signal switch wires (not included in this kit) of corresponding colors. Grey wires from fuse box to #58 on turn signal assemblies for parking lights (see wiring diagram).

K2-36 Replace front left headlight harness and make connections as shown on headlight harness diagram. Be sure to install both headlight ground wires K2-07 and K2-08. Next follow up with right front headlight harness K2-35. Make connections into headlight socket housing using illustration on page 06.

### **5. Brake master cylinder, horn harness.**

K2-37 Install brake master cylinder harness and follow diagram. The bundle of wires for horn from the left headlight harness, master cylinder tubes and brake harness run through body cavity, be sure not to catch wires on body when pulling them through and reseal the hole with silicone or putty.

K2-16 connects from #K brake warning light to red wire on brake harness using connector supplied.

### **6. Turn signal/emergency flasher wires.**

Early 1968 beetles originally came with a 9 pin flasher box relay and have no ground wires or chassis ground tabs. Be sure box is in good working order, many turn signal/emergency light issues stem from a bad flasher box. (they can be purchased new). A 2,3, or 4 pin flasher can also be used to bypass the flasher box.

2 pin flasher doesn't take a ground wire

3 pin flasher does take a ground

4 pin flasher has ground and #KBL goes to speedo turn signal light

### ***Turn signal/emergency flasher wires.***

K2-15

K2-20

It is easier to leave switches uninstalled and make wiring connections first, then install switches into dash.

Emergency flasher switch will only work when ground to body.

Install wires below and follow directions on wire list on pages 01 and 02

K2-05

K2-10

K2-11

K2-16

K2-22

### ***Misc. wires for front lights***

K2-01

K2-02

K2-03

K2-06

K2-32

These wires are not included in the kit since they are attached to turn signal switch.

Brown/white stripe wire: Turn signal switch to #S high beam relay.

Brown wire (horn): Turn signal switch to front left harness (thicker wire)

Brown wire: ground for #S switch (thinner wire)

K2-04

### ***Ignition switch***

These wires are attached to ignition switch and aren't included. (if wires are frayed or brittle we recommend to replace the ignition switch)

Red power wire from ignition switch to #30 on headlight switch

Red/black stripe wire from ignition switch to Main harness #50 using supplied connector( see main harness diagram)

Black wire from ignition switch to fusebox terminal marked "B" on main harness diagram. Smaller black wire goes to bottom terminal of speedometer (#15)

**Windshield wiper wires.**

Connect windshield wiper wires: Make sure wiper motor tang is grounded properly and wiper mechanism is free from binding and no wiring will be in the way.

- K2-17
- K2-14
- K2-12
- K2-13
- K2-19

**Gas Tank wire/Ground link assembly.**

The first 68 models did not have the ground link assembly (K2-23), please follow 1970 wiring diagram.

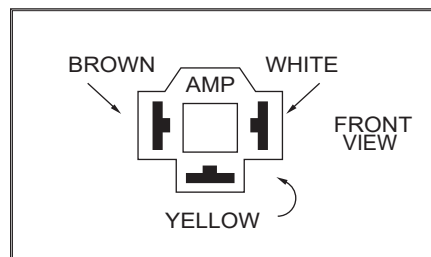
- K2-23
- K2-25

K2-31 using supplied coupler, red starter cable from rear of main harness under back seat to starter motor #50

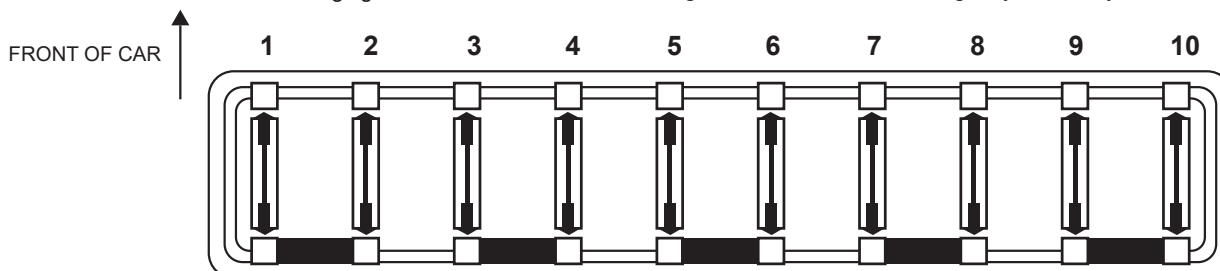
K2-18 Coil wire is not fused so be sure connections are made properly.

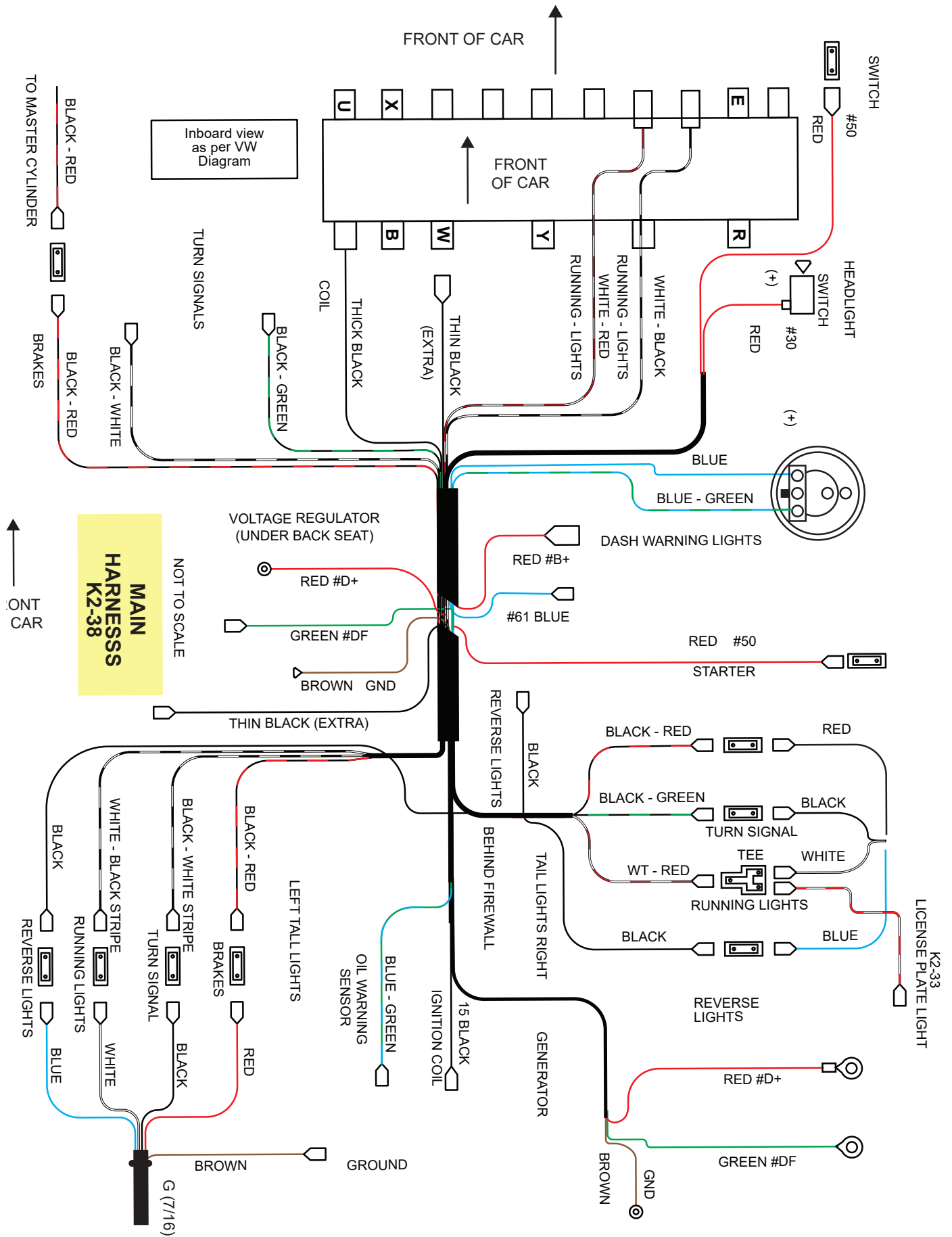
K2-28 Be sure to install a inline fuse (not included) to backup light circuit.

*\*Installation should now be completed, be sure all your connections are secure and clean as well as wiring is away from hot exhaust, fan or any chaffing. As always be sure switches, relays and battery cables are in good working condition before assuming there is a wire issue. Carefully reconnect battery and test each individual circuit. Be sure ground cable to transmission is good. We prefer to use white 8 amp fuses only!*

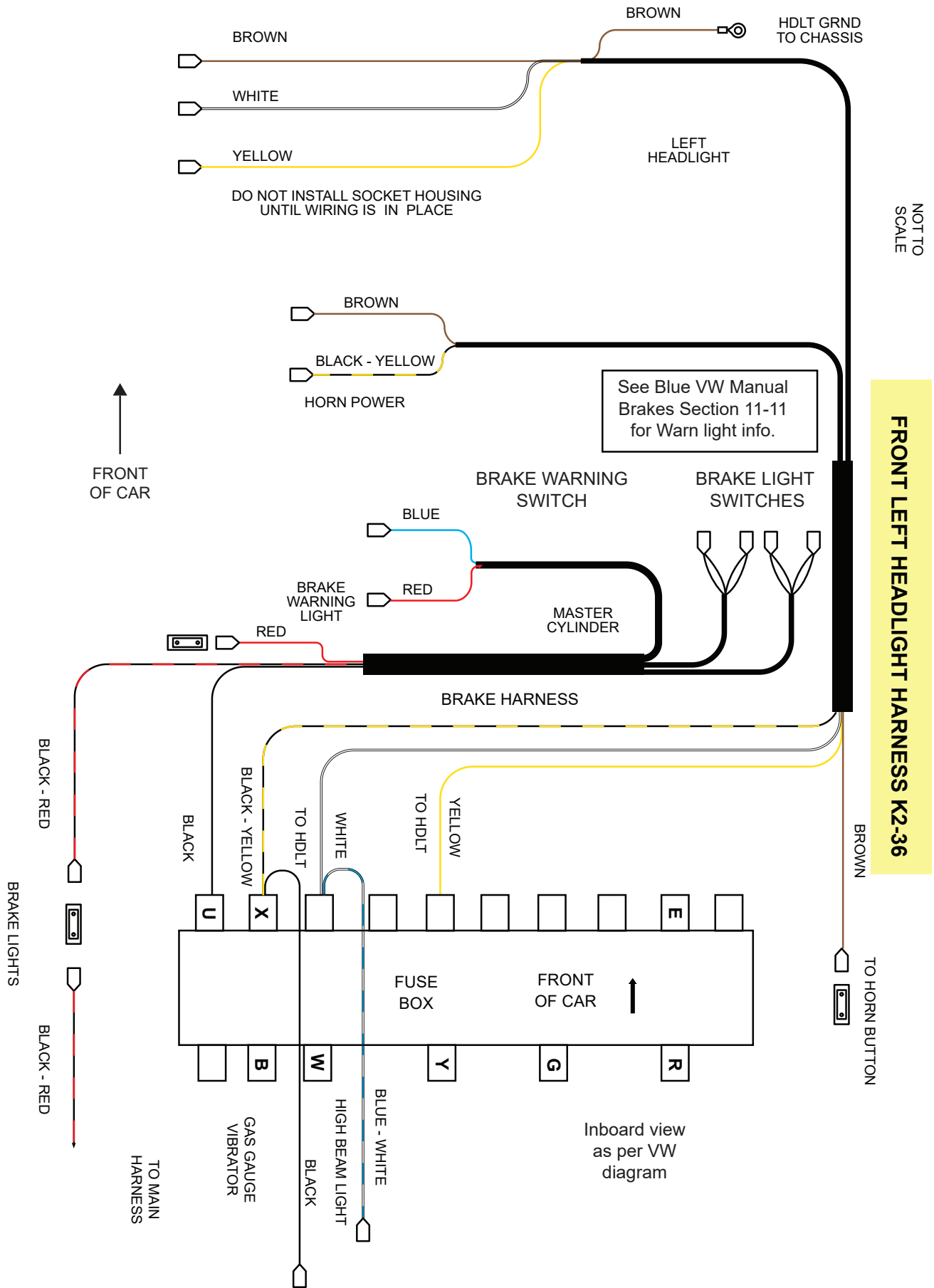


- |   |   |  |
|---|---|--|
| <p><b>1</b> Turn signals, Horn, Warning lights for Automatic Stick Shift and Rear window defogger (switch current), Fuel gauge, Air conditioner</p> <p><b>2</b> Windshield wipers, Stop lights, Brake warning light</p> | <p><b>3</b> High beam, left High beam warning light</p> <p><b>4</b> High beam, right</p> <p><b>5</b> Low beam, left</p> <p><b>6</b> Low beam, right</p> | <p><b>7</b> Parking and side marker light, left Tail light, left</p> <p><b>8</b> Parking and side marker light, right Tail light, right License plate light</p> <p><b>9</b> Interior light, Buzzer alarm</p> <p><b>10</b> Emergency flasher system</p> |
|---|---|--|











**FRONT RIGHT HEADLIGHT HARNESS K2-35  
AND DOME LIGHT HARNESS K2-34**

