















INSTALLATION MANUAL







98-9480-0







K12 1961 BEETLE (Sedan) WIRING HARNESS

KIT CONTENTS:

ITEM	QTY.	DESCRIPTION	
K12-01	1	#30 on headlight switch to fusebox terminal marked "R" on diagram on page 07.	
K12-02	1	#30 on ignition switch to fusebox terminal marked "R" on diagram on page 06.	
K12-03	1	#58 on headlight switch to fusebox terminal marked "G" on diagram on page 07.	
K12-04	1	#31b on wiper switch to #31 on wiper motor.	
K12-05	1	Double black wires, #15 on ignition switch (longer wire) to fusebox terminal marked "B" (double wired connector). Shorter single wire to very bottom of speedometer #15 terminal.	
K12-06	1	Turn signal indicator light on speedometer (green arrow), to #k or (L,49a) terminal on flasher. Flasher may need to be grounded (#31) if needed.	

ITEM	QTY.	DESCRIPTION	
K12-07	1	#58 on headlight switch to speedo light bulb.	
K12-08	1	#54b on wiper switch to #54b on wiper motor.	
K12-09	1	#54 on wiper switch to #54 on wiper motor.	
K12-10	1	#15 or (+) on coil to choke element on carburetor.	
K12-11	1	Corresponding wire on turn signal switch (aftermarket switch may be different color) to right front turn signal bulbholder.	
K12-12	1	Corresponding wire on turn signal switch (aftermarket switch may be different color) to left front turn signal bulbholder.	

ITEM	QTY.	DESCRIPTION	
K12-13	1	Ground wire runs through steering column shaft and connects to horn button and connector on steering coupler.	
K12-14	1	License plate light to passenger side white/red stripe running light wire using supplied TEE connector.	
K12-15	1	Left rear taillight harness, runs through body along rear apron and exits out body to driver side fender (be sure to attach to tabs or wire may melt on exhaust, if tabs are broken or your rear apron has been replaced harness can be re-routed on firewall but harness may need to be extended and additional holes drilled) connect wires as per diagram on page 06.	
K12-16	1	Right rear taillight harness, runs through body and fender, connect as per diagram on page 06.	
K12-17	1	Dome light harness route along A pillar up to dome light (install this first before installing main harness). Follow diagram on page 08.	
K12-18	1	Right front headlight harness, fusebox to right front headlight, follow diagram on page 08.	

ITEM	QTY.	DESCRIPTION	
K12-19	1	Left front headlight harness/brake switch/horn/ and dimmer switch. Follow diagram on page 07.	
K12-20	1	Main harness. Follow diagram on page 06.	
K12-21	1	Power wire from starter solenoid to #30 on voltage regulator or B+ post if converting to alternator.	
K12-22	1	Blue/white stripe wire, blue high beam light on speedometer to fusebox terminal marked "WB"	
K12-23 to K12-28	1	Grommets, headlight connectors, TEE connectors and inline 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 1961 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.

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. 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 won't 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.

5. License plate light harness.

Connect harness to white/red wire from main harness and right side taillight harness using a connector block.

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.*

