

# ALL TRANSISTOR RADIO

## SAPPHIRE I by *Bendix*

### Installation Instructions for VOLKSWAGEN

This package contains the following:

<i>Quantity</i>	<i>Description</i>	<i>Part Number</i>
1	Radio Assembly, RIBV	2091572-1
1	Nut, Hex # ¼-20 stamped	AH274247-2
4	Screw, Speaker Mounting #8 x ¾	CH274253-206
4	Screw, Bezel Clamp	H2090229-210
1	Condenser, Turn Signal	2091761-1
1	Condenser, Generator	L2090640-5
1	Tag, Warranty	C2091201-1
1	Bezel	N2091206-1
2	Disc, Tone and Dummy	L2091209-1
1	Bracket—Radio Mounting	2091762-1
2	Clamp, Bezel Retaining	C2091214-1
2	Knob Assembly—ON-OFF-Volume and Tuning	C2091244-1
1	Speaker and Baffle Assembly	L2091246-2
2	Nut, Hex ½-28	HSC7755-54
1	Installation Instructions and Contents List	2091878-1
1	Drilling Template, Antenna Mounting	2091296-1
1	Owner's Manual	2091879-1
1	Insulator—Windshield Wiper Switch	L2090725-1
2	Insulator—Tubing	OA111060-2
1	Condenser Mounting Nut #10-32	HC775S10-32
1	Condenser Mounting Screw #10-32	HC950S16-1032
1	Condenser Mounting Lockwasher #10	HC797S-10

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AUTOMOTIVE PRODUCTS DEPARTMENT • BALTIMORE 4, MD.



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## Installation Instructions 1961 Volkswagen

1. Install antenna assembly as follows:
    - a. Use antenna drilling template 2091296-1 to position mounting holes.
    - b. Use hardware supplied to mount antenna assembly.
  2. Remove speaker grille by straightening the twist tabs. Remove and discard the foam plastic insert.
  3. Install speaker and baffle assembly using four #8 x  $\frac{3}{8}$  self-taping screws. Position with speaker lead downward.
  4. Replace speaker grille and replace the sealing putty over the twist tabs to prevent rust.
  5. Remove and discard radio opening cover and decorative strip.
  6. Install the radio bezel with the two retaining clamps and four #8 x  $\frac{5}{16}$  screws.
  7. Unplug lead at windshield wiper switch nearest radio. Slide on insulator 2090725-1 and replace lead on switch terminal.
  8. Loosen headlight switch and rotate approximately  $45^\circ$  counterclockwise and retighten. Unplug white and black lead (closest to radio) and slide insulating tubing OA111060-2 over end of lead (tape in place if necessary) and replace lead on switch terminal.
  9. Remove red lead running between left fuse block terminal and headlight switch and discard. Replace with red lead of radio fuse lead assembly 2091699-1.
  10. Install radio assembly as follows:
    - a. Position radio in bezel and secure with the two  $\frac{1}{2}$  x 28 hex nuts. Tighten securely.
    - b. Attach mounting bracket 2091762-1 to radio and the wiper post.
    - c. Connect speaker and antenna leads.
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11. Install condenser assembly 2091761-1 on vertical chassis member near right end of fuse block. Use existing hole and HC950S16-1032 screw, HC79ES-10 lockwasher, and HC775S10-32 nut. Be sure electrical contact is made to brace. (Scrape paint off if necessary.) Remove existing turn flasher lead from right hand fuse terminal and plug condenser lead on to this terminal. Slide insulating tubing OA111060-2 over end of flasher lead and plug flasher lead into socket on condenser lead.
  12. Install generator condenser 2090640-5 under screw behind voltage regulator. Connect condenser lead to armature terminal of regulator by loosening screw and retightening on condenser lug. (In some cases it may be preferable to connect condenser to battery terminal of regulator for noise suppression. Do Not Connect To Field Terminal.)
  13. Adjust antenna trimmer as follows:
    - a. Extend antenna fully. Tune in a weak station near 1600 kc/s. Adjust antenna trimmer (next to antenna socket) for maximum volume. Replace tape over access hole.

**For Installation of Receiver in Earlier Model  
(Prior to 1961), Volkswagen Sedans**

Install as per 1961 instructions except:

1. Do not insulate headlight or windshield wiper switch.
  2. Do not remove red lead to headlight switch.
  3. Remove red lead from radio lead assembly.
  4. Strip and tin end of fuse lead.
  5. Connect end of fuse lead to fuse block terminal marked "radio".
  6. Remove insulator and tab from end of condenser assembly 2091761-1.
  7. Strip and tin end of condenser assembly 2091761-1.
  8. Connect condenser assembly 2091761-1 to right fuse block terminal.
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