

Bendix

RADIO

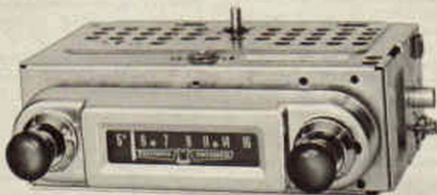
Bendix Model
R2BT4

Service Manual

Serial Number Prefix
R2BT4

1962 TRIUMPH Manual Radio

Triumph Part Number
0-01000



WARRANTY SERVICE PROCEDURE

Warranty service for the Bendix-Triumph radio will be handled by the Bendix Radio Division through its authorized service dealers.

GENERAL INFORMATION

TYPE:--The 1962 Bendix-Triumph Manual Radio is a superheterodyne receiver with transistor output and two miniature tubes. Tube plate voltages are supplied directly by the 12-volt vehicle storage battery.

TUNING RANGE:--540-1600 kc/s--1F 262.5 kc/s.

POWER INPUT:--12-volt storage battery. Rating--14.4 VDC at 1.2 amperes.

AUDIO OUTPUT:--2 watts.

TUBE COMPLEMENT:--12FX8 r-f amp., conv., 12FR8 i-f amp., det.-avc.-a-f amp.

TRANSISTORS:--Bendix 2N1287 audio driver, 2N1227-5 audio output.

EXTERNAL CONNECTIONS

The radio is designed for use in cars with either negative or positive ground electrical systems. **BE SURE THE POLARITY PLUG P3 IS PROPERLY POSITIONED.** Permanent damage to radio components can occur if connected with reverse polarity. **A SPEAKER OR DUMMY LOAD MUST BE CONNECTED ACROSS THE SPEAKER SOCKET AT ALL TIMES.**

THE Bendix CORPORATION • BENDIX RADIO DIVISION • BALTIMORE 4, MARYLAND
AUTOMOTIVE PRODUCTS DEPARTMENT



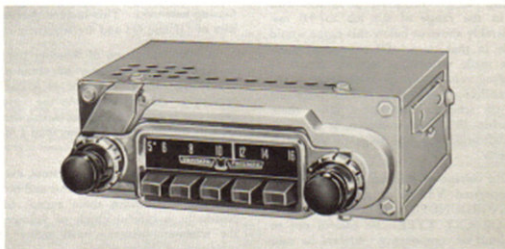
AUTO RADIO SERVICE MANUAL

1965 TRIUMPH ALL TRANSISTOR RADIO

Bendix Model
5BTR
5BTRP

Serial Number Prefix
5BTR
5BTRP

Triumph Part Number
V-350
V-350 DP



WARRANTY SERVICE PROCEDURE

Warranty service for the Bendix-Triumph radio and accessories will be handled by the Bendix Radio Division through its authorized service dealers.

GENERAL INFORMATION

This manual contains trouble-shooting procedures, schematic, layout diagrams, and alignment instructions for servicing the Bendix-Triumph AM Radio Model 5BTRP. Information on the positive ground Bendix-Triumph Radio Model 5BTR is supplied on the last page of this service manual.

TYPE:--The 1965 Bendix-Triumph Radio, Model 5BTRP, is a fully transistorized superheterodyne receiver. This model radio may be used with either a positive or a negative battery ground electrical system by correctly positioning the double pole double throw ground polarity switch (S2).

CAUTION-THE GROUND POLARITY SWITCH LOCATED AT THE REAR OF THE RADIO MUST BE IN THE CORRECT GROUND POSITION BEFORE APPLYING VOLTAGE. INCORRECT POSITIONING WILL DAMAGE RADIO.

TUNING RANGE:--540-1600 kc/s, 1F 262.5 kc/s.

POWER INPUT:--12-volt storage battery. Rating 14.0 VDC at 1 amp.

AUDIO OUTPUT:--2 watts.

EXTERNAL CONNECTIONS

IMPORTANT:--Before attempting to service the radio,

note the position of the polarity switch S2 and return the switch to this position upon completion of service. This should minimize the danger of the customer's radio being installed with the polarity switch S2 in the incorrect position.

Also, make sure that before the radio is connected for service on the test bench that the polarity switch S2 is in the correct position before applying power.

DO NOT USE UNGROUNDED AC INSTRUMENTS OF ANY KIND FOR SERVICING THE RADIO.

TO SET PUSHBUTTONS

The Bendix-Triumph radio has five pushbuttons for automatic station selection. To set the pushbuttons for automatic tuning, proceed as follows:

1. Using the manual tuning knob, tune in a desired station, being careful to tune exactly on the station.
2. Pull out the pushbutton to be set to unlock the mechanism, and then push button in firmly to set and lock.
3. Repeat the procedure for each remaining pushbutton.

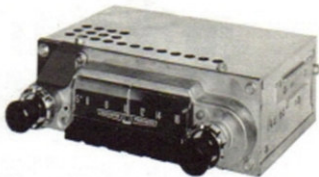
THE BENDIX CORPORATION • BENDIX RADIO DIVISION • BALTIMORE, MARYLAND, 21204

AUTOMOTIVE PRODUCTS DEPARTMENT



PHOTOFACT[®] with CIRCUITRACE[®]

TRADE NAME: Triumph Model 5BTR (V-350) (1965)
 SUPPLIER: For Current Address, See Master Index
 TYPE SET: 6 Transistor AM Receiver
 POWER SUPPLY: 12 Volt Storage Battery
 RATING: .680 Amp. @ 12.6 Volts DC
 TUNING RANGE: BROADCAST 540-1605KC



TRIUMPH MODEL 5BTR (V-350)

ALIGNMENT INSTRUCTIONS

Check for specified source voltage.
 Use only enough generator output to provide a usable indication.
 Suggested Alignment Tools:

A1 thru A4 .. GENERAL CEMENT: 8606, 86061, 8659
 WALSCO: 2543, 2544, 2568
 A5, A6, A7 .. GENERAL CEMENT: 8290, 8668, 9087
 WALSCO: 2525, 2528, 2587

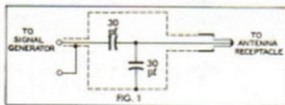
PUSH-BUTTON ADJUSTMENT

1. Pull button out.
2. Tune manually to desired station.
3. Press button in firmly.
4. Repeat for remaining buttons.

SIGNAL GENERATOR COUPLING	SIGNAL GENERATOR FREQUENCY	RADIO DIAL SETTING	INDICATOR	ADJUST	REMARKS
1. High side thru .1mf to point \oplus , low side to ground.	202.5KC (400% Mod.)	High Freq. End Stop.	Output Meter across voice coil.	A1, A2, A3, A4	Adjust for maximum.
2. Thru dummy (Fig. 1) to antenna receptacle.	1005KC	"	"	A5, A6, A7	"
Step 3 is not necessary unless faner has been tampered with or associated components have been replaced. IF necessary, back tuning cores (A8, A9, A10) out of coils but not out of forms. Repeat step 2.					
3. Thru dummy (Fig. 1) to antenna receptacle.	1000KC	Tune to Signal.	Output Meter across voice coil.	A8, A9, A10	Adjust for maximum. Repeat steps 2 & 3 until no further improvement is noted.

With radio installed in car and antenna fully extended, tune in a weak station near 1600KC and adjust A7 for maximum output.

Antenna Adjustment (A8) located Right Rear of Radio.





AUTO RADIO SERVICE MANUAL

1967

VOLVO, TRIUMPH and SAAB FM-AM All Silicon Transistor Radio

Bendix Model Number
Serial Prefix Number
7FBVOX
7FBVOX
7FBVOX
7FBTRX
7FBASX

WARRANTY SERVICE PROCEDURE

Warranty service for the Bendix Volvo, Triumph, and Saab, FM-AM Radios and accessories will be handled by the Bendix Automotive Electronics Division through its authorized service dealers.

Radio Name

Volvo Model P1800
Volvo Model P144
Volvo Model P1200, 1300, 2200
Triumph
Saab



7FBVOX



7FBTRX and 7FBASX

GENERAL

This manual contains trouble-shooting procedures, general and functional schematics, alignment instructions, plus essential information for servicing Bendix FM-AM Radio Models: Volvo 7FBVOX, Triumph 7FBTRX, and Saab 7FBASX.

TYPE:--This Radio is a completely transistorized FM-AM receiver. A slide bar, on the front panel of the radio, permits selection of FM or AM reception. Pushbuttons, beneath the slide bar, permit selecting and locking in five different stations (for automatic selection). This circuitry includes eleven silicon transistors, one zener diode, one varactor diode, and five signal diodes.

TUNING RANGE:

FM--88 to 108 MC AM--540 to 1605 KC

INTERMEDIATE FREQUENCY:

FM--10.7 MC AM--262.5 KC

POWER INPUT:--+12 volt storage battery, negative terminal to ground.

Voltage +14.4 VDC

CURRENT:--Approximately 1 ampere excluding dial lamp current.

AUDIO OUTPUT:--6 watts minimum

SPEAKER IMPEDANCE:--8 ohms

THE BENDIX CORPORATION • AUTOMOTIVE ELECTRONICS DIVISION • BALTIMORE, MARYLAND, 21204