Musical Instrument Amplifier

MANUAL·5313A
Airline
MUSICAL
INSTRUMENT
AMPLIFIER
MODEL
GVC-9027A
FORM NO. 62Z-5333B

WARDS Airline

owner's guide and PARTS LIST

general description

Your new Airline Model GVC-9027A two channel reverb amplifier has been professionally engineered and crafted to provide faithful, undistorted sound reproduction from electric guitars and accordions.

Two separate channels are provided, with treble and regular inputs and individual tone and volume controls in each channel. Additional sound variations are accomplished through the use of the tremolo and reverb sections, which operate through the second channel only. The tremolo and reverb controls may be operated manually or through the use of the remote foot switches which are supplied with the amplifier.

All controls are rotated clockwise to turn on or increase expression and counterclockwise to turn off or decrease expression.

The stand-by switch enables you to turn the speakers off, but leaves the amplifier on, ready for instant response without warm up when switched to "play" position.

TUBE COMPLEMENT

PREAMP TUBES

TYPE	REF. NO	FUNCTION
12AX7	V1	Dual Purpose (½ tremolo oscillator stage) (½ tremolo output stage)
12AX7	V2	Dual Purpose Mixer Stage
12AX7	V3	Dual Purpose Input Stage—Channel 2
12AX7	V4	Dual Purpose Input Stage—Channel 1
6EU7	V5	Reverb Output Stage
6DR7	V6	Reverb Input Stage

POWER PACK TUBES

TYPE	REF. NO.	FUNCTION
6L6	V101	Power Output Stage
6L6	V102	Power Output Stage
5U4	V103	Power Rectifier
5U4	V104	Power Rectifier
6L6	V105	Power Output Stage
6L6	V106	Power Output Stage

ELECTRICAL SPECIFICATIONS

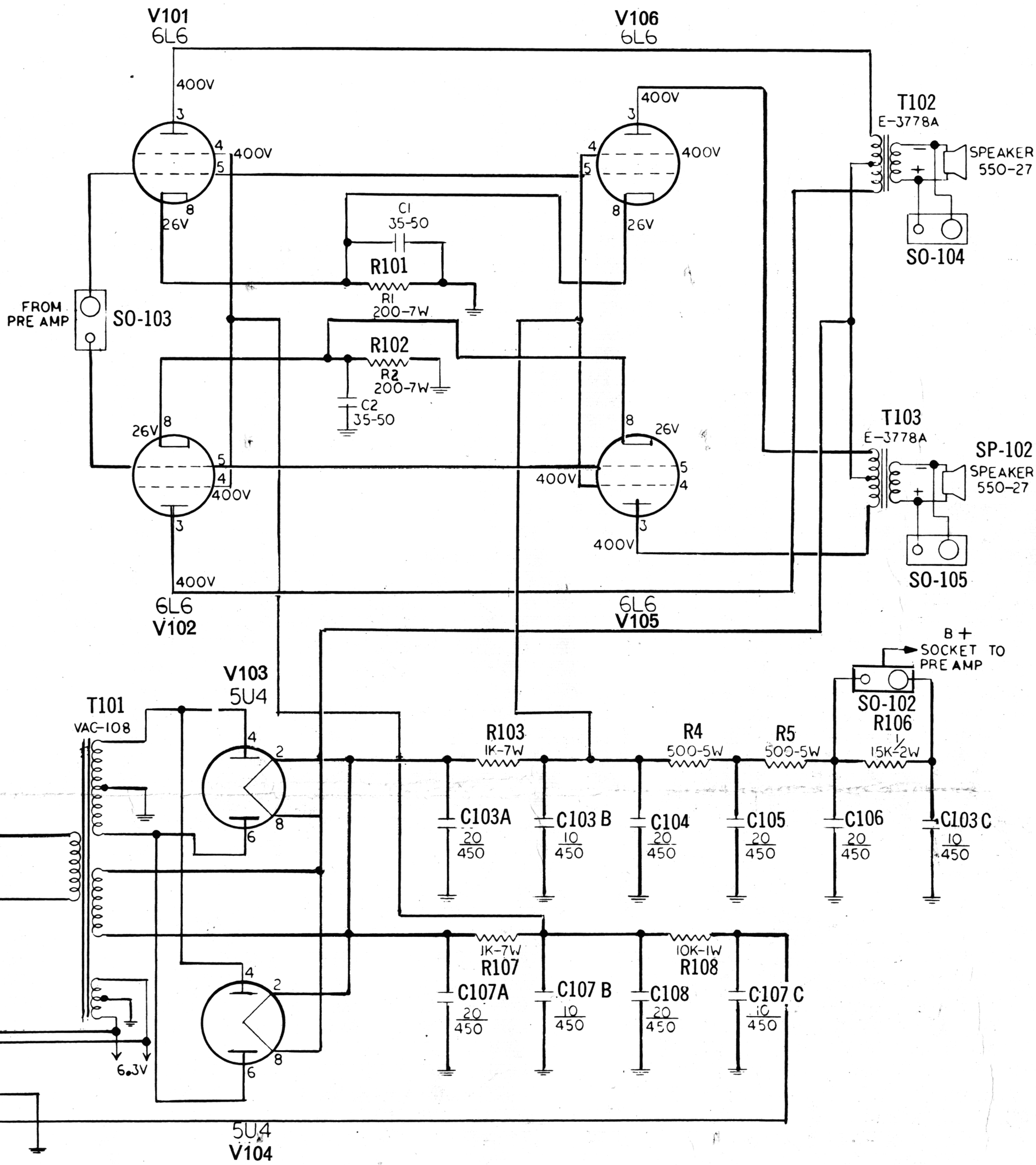
Power Supply	105-125V, 60 Cycle
Power Consumption	2.5 amp. C 117V
Power Output	70 Watts
Amplifier Frequency Range	60-5000 CPS
Loud Speakers:	2-12" PM, 17 oz. Ceramic Magnet
Voice Coil Impedance	8 OHMS at 400 cycles
Fuse	4 amp, Type MTH

Silvertone
GVC 9027A

Reverb:
Gray - Output
Yellow - Input

CHANNEL 1
HIGH
J1
J2
LOW
C1 .005
R1 47K
C2 .001
R2 100K
V4
180V
1.4V
R3 2.2K
C3 35/50
TONE R4 500K
C4 .05
C5 .02
R5 100K
C6 20/450
R6 100K
R7 470K
R8 500K VOL.
R9 270K
R10 270K
V2 1AX7
150V
180V
1.8V
1.3V
C7 35/50
R11 2.2K
R12 3.9K
C8 .05
C9 .05
R13 270K
R14 270K
R15 470K
R16 270K
R17 12K
SW-2 STAND BY
P3
SOCKET ON POWER PACK
TO PINS 5+6 OF SOCKET
SW-1
NEON
C38 .01
FUSE 4 AMP
F1
P2
B+ SOCKET ON POWER PACK
SO-1
FIL
117V A.C.
B+
R67 22K
R65 270K
R55 500K SPEED
R56 100K
C11 .005
R53 270K
R54 5.6K
R52 270K
C10 .005
C13 .01
C12 .02
R59 1MEG
R57 2.2K
R58 1.5MEG
SW-3
4.5V
2.3V
R60 1K
C17 35/50
V1 12AX7
R18 2.2MEG
C15 .01
C16 .1
280V
300V
C14 .02
J5
R62 1MEG
R61 2.2K
C18 .05
R63 1MEG
C19 .05
R65 500K INTENSITY
R64 270K

CHANNEL 2
GUITAR
J3
C20 .005
100K R19
R20 100K
R21 100K
R22 2.2MEG
ACCORDION
J4
C21 .005
V3 12AX7
240V
180V
2.3V
1.5V
R26 1.5K
C22 35/50
R27 2.2K
R23 220K
2.2K R25
R24 220K
R28 100K
R29 100K
C23 .05
C24 .1
C25 .005
R30 100K
R31 100K
C26 .05
C27 .0005
R32 500K VOL.
R33 500K TONE
C28 .005
V6A 6DR7
100V
1.4V
C29 35/50
R42 2.2K
R43 270K
R44 100K
C37 .05
C30 .02
R45 270K
R46 27K
R47 470K
V5 6EU7
INTENSITY
R34 500K
160V
9.2V
R35 2.2K
C33 35/50
C34 .1
C35 .0033
R36 270K
R38 2.2MEG
R39 470K
SW-4
R37 47K
C36 .02
R32B 500K
R41 100K
V6B 6DR7
160V
19V
R48 500 5-WATT
C31 35/50
R49 5K-10W
R50 1.5K
C32 1MFD
J6
R51 100K
REVERB 5C



NOTE: All resistance values in ohms and half watt unless otherwise specified. All capacitance values in MFD unless otherwise specified. All DC voltages shown on this schematic were measured with a 20,000 ohm/volt VOM and under zero signal conditions.