

SUPER CUSTOM SPECIAL AMPLIFIER (YBA-3A)

GENERAL INSTRUCTIONS

1. Connect the YBA-3A output marked speaker to your speaker cabinet.

NOTE: Connected speaker enclosures should be able to take at least 450 watts r.m.s. total. All enclosures should be matched in type and impedance.

2. Plug power cord into wall outlet.
3. Make sure "ON/OFF" switch is on.
4. Leave standby switch in the off position for about one minute while tubes warm up.

"IMPORTANT"

Suggested speaker enclosures for YBA-3A.

for BASS 2 - YC810's - using both speaker and extension speaker outputs with impedance switch on 2 ohm position

OR

4 - YB-18's wired to obtain 2 ohm impedance with impedance switch on 2 ohms.

for GUITAR 2 - YR-412's - using both speaker and extension speaker outputs with impedance switch on 4

OR

4 - YN-412's wired to obtain 2 ohm impedance with impedance switch on 2.

USE OF CONTROLS:

1. The YBA-3A has two inputs. The first input has slightly more gain than the second and is slightly more brilliant.
2. The volume, bass and treble controls work as a conventional control group.
3. To set the volume control first set all controls at zero.
4. Advance the bass and treble controls to their mid positions, and then advance the volume control while playing your instrument until you reach the desired volume level.
5. Adjust the bass and treble controls from their mid positions until the most pleasing settings are found.

(see over)

6. The high and low range expanders can now be brought into play, adding tonal colourings previously never before available.
7. The boost switches will project your sound in the largest of arenas or stadiums.
8. The presence control adds punch to the total sound.
9. The treble control, high range expander, treble boost switch and presence control all add to the brilliance of the sound by bringing out the " highs " at different frequencies in the audio spectrum.
10. The bass control, low range expander and bass boost switch add to the depth of the sound in the same way by bringing out the " lows ".

The Super Custom Special has a wide range of power, tone and presence. Do not be afraid to experiment with the controls to find new sound qualities. After a short while you will find tones that you never thought your instrument could deliver.

TUBE CHANGING:

The four 6KG6 output tubes are easily removed by removing three screws on the access plate which is located at the bottom of the amp.

Preamp tubes are removable by removing the back plate of the amp.

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OR

4 - YB-18's wired to obtain 2 ohm impedance with impedance switch on 2 ohms.

for GUITAR 2 - YR-412's - using both speaker and extension speaker outputs with impedance switch on 4

OR

4 - YN-412's wired to obtain 2 ohm impedance with impedance switch on 2.

Use of Controls

1. The YBA-3A has two inputs. The bottom input has slightly more sensitivity than the Top input and is slightly more brilliant.
2. The Master Volume controls the overall level of the amplifier and allows the player to have distortion at low level operation as well as high level operation.
3. By fully utilizing Master Volume and Volume control settings, a wide range of volume level and sound may be obtained ranging from a pure undistorted sound to an overdriven distorted sound.
4. To set amplifier for either of the above conditions, first advance bass, and treble controls to their mid positions with all other controls at zero.
5. For undistorted sound set Volume control to approximately 3. Then advance the Master Volume control while playing your instrument until you reach desired volume level.

... over..

SUPER CUSTOM SPECIAL AMPLIFIER (YBA-3A) (cont'd)

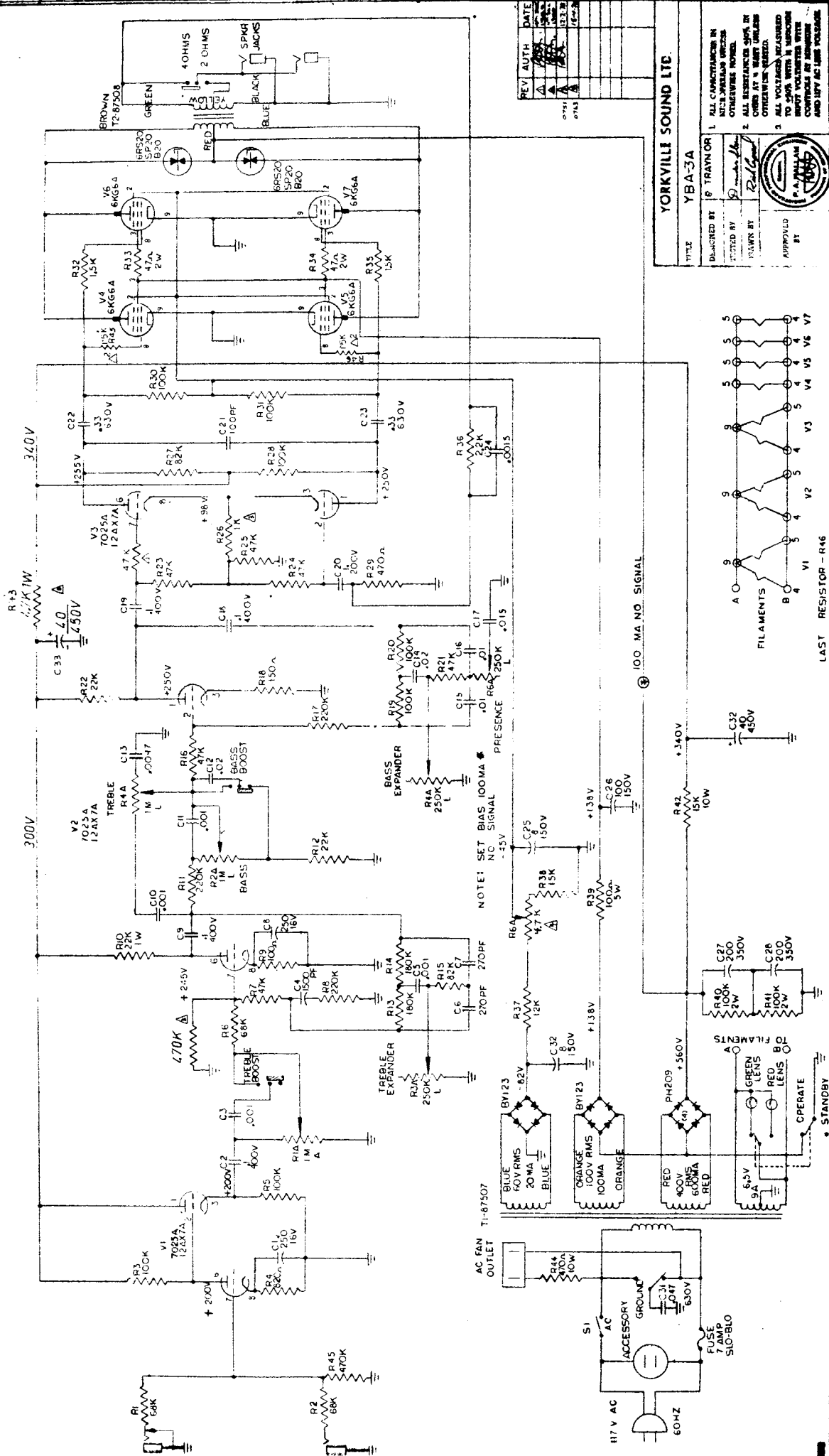
6. For distorted sound set Volume control to 10 and instrument volume level to maximum. Then advance the Master Volume control while playing your instrument until you reach desired level.
7. Adjust the bass and treble controls from their mid positions until the most pleasing settings are found.
8. The high and low range expanders can now be brought into play, adding tonal colourings previously never before available.
9. The boost switches will project your sound in the largest of arenas or stadiums.
10. The Presence control adds punch to the total sound.
11. The Treble control, high range expander, treble boost switch and presence control all add to the brilliance of the sound by bringing out the "highs" at different frequencies in the audio spectrum.
12. The Bass control, low range expander and bass boost switch add to the depth of the sound in the same way by bringing out the lows.

The Super Custom Special has a wide range of power, tone and presence. Do not be afraid to experiment with the controls to find new sound qualities. After a short while you will find tones that you never thought your instrument could deliver.

TUBE CHANGING

The four 6KG6 output tubes are easily removed by removing three screws on the access plate which is located at the bottom of the amplifier.

Preamp tubes are removable by removing the back plate of the amplifiers.



REV	DATE	BY	CHKD
1	10/15/50	...	...
2	11/15/50	...	...
3	12/15/50	...	...
4	1/15/51	...	...
5	2/15/51	...	...
6	3/15/51	...	...
7	4/15/51	...	...
8	5/15/51	...	...
9	6/15/51	...	...
10	7/15/51	...	...
11	8/15/51	...	...
12	9/15/51	...	...
13	10/15/51	...	...
14	11/15/51	...	...
15	12/15/51	...	...

YORKVILLE SOUND LTD.

YBA-3A

DESIGNED BY: P. TRAINOR

TESTED BY: [Signature]

DRAWN BY: [Signature]

APPROVED BY: [Signature]

DATE: 10/15/50

1 ALL CAPACITORS IN THIS SKEW ARE 50% TOLERANCE UNLESS OTHERWISE NOTED.

2 ALL RESISTORS SHOWN IN THIS SKETCH ARE 5% TOLERANCE UNLESS OTHERWISE NOTED.

3 ALL VOLTAGES MEASURED TO GROUND WITH A VACUUM TUBE VOLTMETER.

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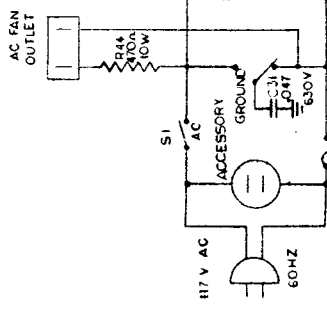
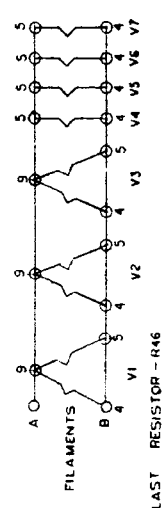
11 ALL VOLTAGES MEASURED TO GROUND WITH A VACUUM TUBE VOLTMETER.

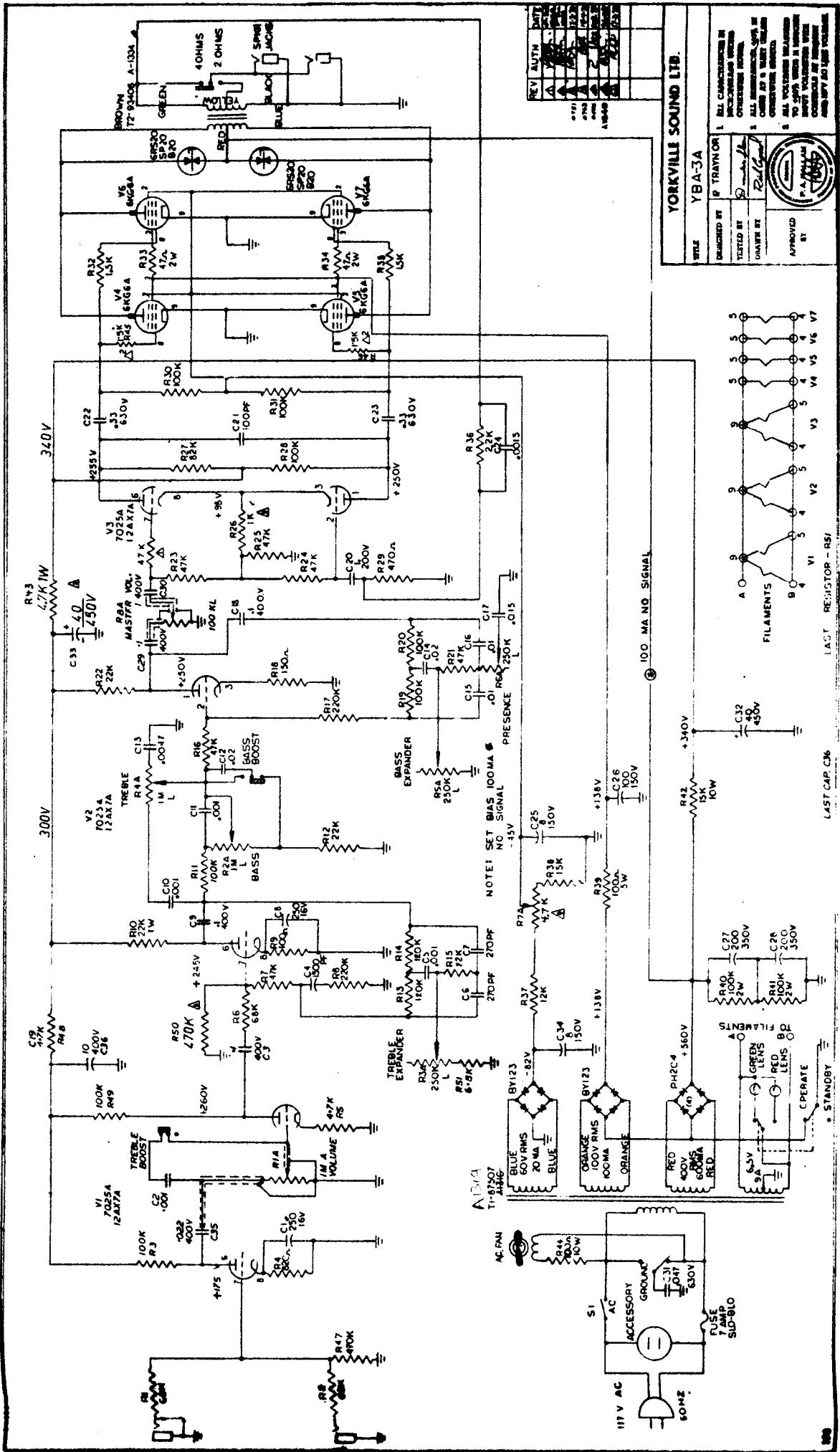
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14 ALL VOLTAGES MEASURED TO GROUND WITH A VACUUM TUBE VOLTMETER.

15 ALL VOLTAGES MEASURED TO GROUND WITH A VACUUM TUBE VOLTMETER.





REV	DATE	BY
1	1/10/52	RB
2	1/10/52	RB
3	1/10/52	RB
4	1/10/52	RB
5	1/10/52	RB
6	1/10/52	RB
7	1/10/52	RB
8	1/10/52	RB
9	1/10/52	RB
10	1/10/52	RB

YORKVILLE SOUND LTD.

TYPE **YBA-3A**

DESIGNED BY **P. TRAYNOR**

TESTED BY **R. ...**

DRAWN BY **R. ...**

APPROVED BY **BT**

1. ALL COMPONENTS IN THIS SCHEMATIC ARE OF HIGH QUALITY.

2. ALL RESISTORS ARE OF THE 5% TOLERANCE UNLESS OTHERWISE SPECIFIED.

3. ALL CAPACITORS ARE OF THE 5% TOLERANCE UNLESS OTHERWISE SPECIFIED.

4. ALL VOLTAGES RELATIVE TO GROUND UNLESS OTHERWISE SPECIFIED.

5. ALL VOLTAGES MEASURED ACROSS COMPONENTS AT NORMAL OPERATING CONDITIONS AND WITH NORMAL LOADS.

