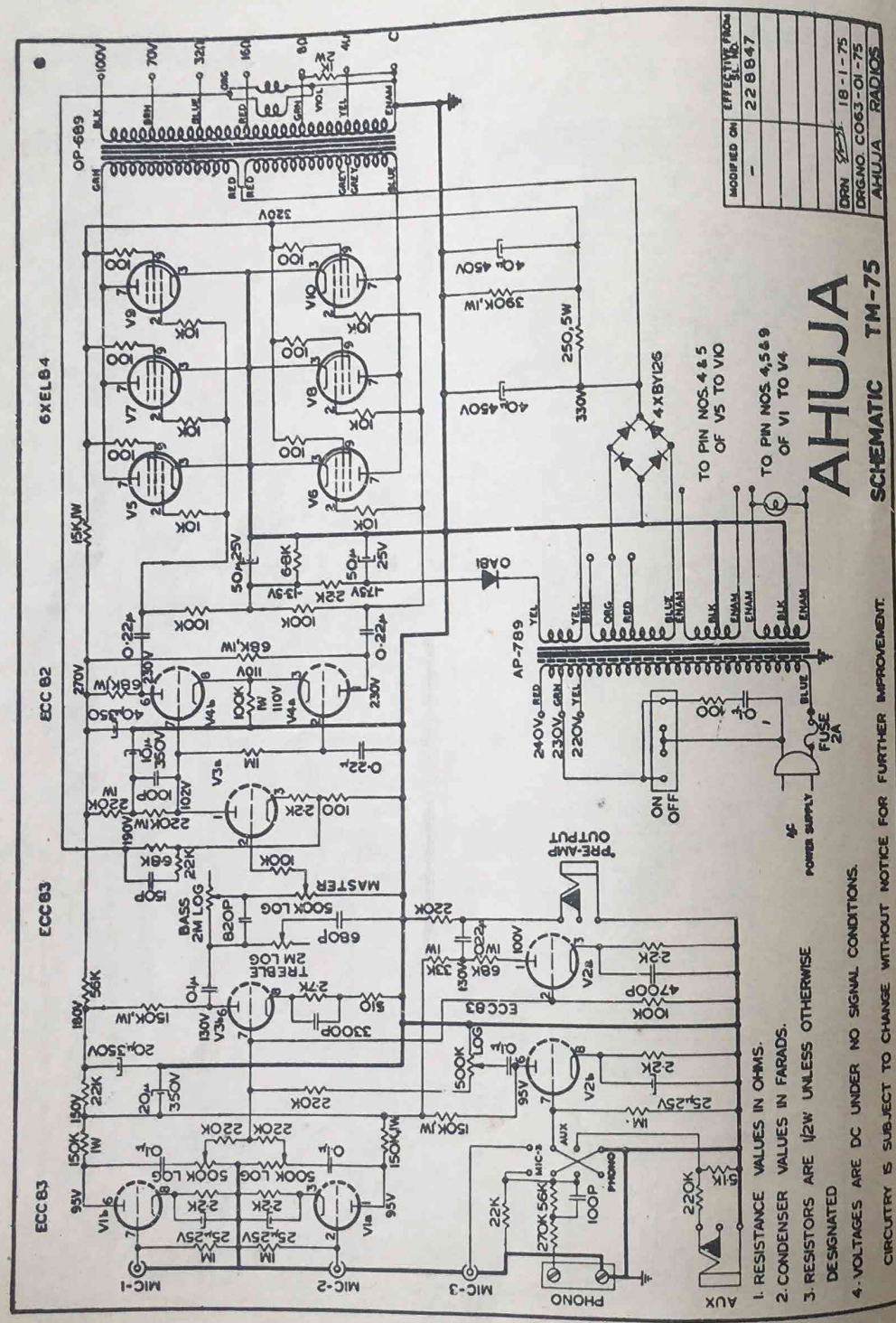


AHUJA®

AHUJA SSB-40

OPERATING INSTRUCTIONS

AHUJA SSB-40 is a professional AC/Battery all silicon solid state amplifier with a high power output of 40 Watts. Protection against reverse battery polarity has been provided to make it damage-proof.

MICROPHONE OPERATION

Three high impedance microphone inputs are available on the front panel. Mic - 3 is alternate to Aux. and Phono through selector switch.

Use superior quality shielded microphone cables.

Do not extend the length of the cable beyond 6-7 metres, as this will cause substantial loss of high frequencies.

For good intelligibility, the microphone should always be 20-30 cms. away from the speaker's mouth.

PHONO OPERATION.

Phono input is provided through a 2-terminal strip. Connect 'Live' and 'Shield' of the pick-up lead to 'PU' and 'Earth' on the strip, respectively.

Keep the selector slide switch at Phono position.

The stylus of record player should not be worn out.

TAPE RECORDER OPERATION

An AUX. input has been provided for feeding signal from a cassette or tape recorder.

Keep the selector switch at AUX. position and operate the tape recorder at low volume for a good performance.

This input can also be used for connecting a radio or a mixer.

SPEAKER CONNECTIONS

Connect the speakers to properly matched impedances on the output terminal strip. For connecting two 16 homs driver units, connect them in parallel across COM and 8 ohms. Similar series—parallel arrangements can be made.

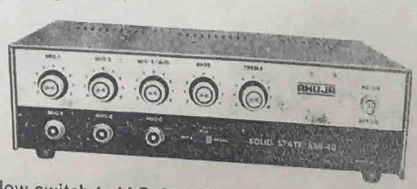
For installation requiring long speaker cables, the 100V line output may be used through line matching transformers. This becomes necessary in order to reduce the loss of power in cables. While operating on 70V or 100V, connect the earth terminal of the amplifier to mains earth or any good earth.

AC MAINS OPERATION

Set all volume controls at '0' position and keep the power switch at 'BAT-ON'

Connect the speakers and required inputs.

Connect the AC plug to nearest AC mains socket.



Now switch to 'AC-ON'. The pilot lamp should glow. Adjust the volume and tone controls to the desired level.

For operation on driver units it is advisable to keep BASS control at cut position since the units cannot effectively reproduce low frequencies

CAR BATTERY OPERATION

Make the required input and speaker connections.

Keep the power switch at 'AC-ON'. Connect a fully charged 12V car battery to the DC input terminals. The amplifier will not operate if the polarity is reversed.

Move the power switch to 'BAT-ON' position. The pilot lamp should glow. Adjust the volume and tone controls to desired levels.

PRECAUTIONS

Make sure that the speaker leads are not shorting.

The inputs should be properly connected through sturdy connections, Do not extend the length of the battery cable.

In case the fuses blow, replace it with one of the same rating.

Keep the amplifier in a dry and well ventilated place.

TECHNICAL SPECIFICATIONS

Power Supply	:	230 V AC 50/60 Hz 12 V DC Car Battery
Power Output	:	55 Watts RMS (Max.) 40 " " at 10% THD 30 " " at 3% THD
Input Channels	:	3 × Mics 4 mV 1 × Phono 70 mV 1 × Aux. 200 mV
Freq. Response	:	60—15 KHz ± 2 dB
Tone Controls	:	Bass —10 dB at 100 Hz Treble—10 dB at 10 KHz
S/N Ratio	:	60 dB
Output Matchings	:	4-8—16 ohms, 100V Line
Semiconductors	:	12
Dimensions	:	L 335 × D 285 × H 105 mm
Weight	:	6.5 Kgs. 7 Kgs. (in carton)