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EQUIPMENT MAKES IT POSSIBLE TO BRING YOU THIS SERVICE

KNIGHT MODEL
93-103



KNIGHT MODEL 93-103

TRADE NAME Knight, Model 93-103
SUPPLIER Allied Radio Corp., 833 W. Jackson Blvd., Chicago 7, Ill.
TYPE SET AC Operated Twenty Watt Amplifier
TUBES (SIX) Types, 6SA7 AF Amp., 6SL7GT Exp. Amp.-Exp. Rect., 6SL7GT AF-Phase Inv., (2)
6L6G Power Output, 5U4G Rectifier.
POWER SUPPLY 110-120 Volts AC RATING .82 Amp. @ 117 Volts AC

VOLTAGE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SA7	0V.	25VDC*	215VDC	50VDC	0V.	2.4VDC	25VDC*	-.4VDC
2	6SL7GT	0V.	150VDC	2.2VDC	-2VDC	-2VDC	-7VDC	25VDC*	25VDC*
3	6SL7GT	0V.	200VDC	.6VDC	0V.	150VDC	.4VDC	25VDC*	25VDC*
4	6L6	0V.	25VDC*	395VDC	340VDC	0V.	0V.	25VDC*	25VDC
5	6L6	0V.	25VDC*	395VDC	340VDC	0V.	0V.	25VDC*	25VDC
6	5U4	0V.	400VDC	0V.	335VAC	0V.	335VAC	0V.	400VDC

*MEASURE 5.8V AC BETWEEN FILAMENT PINS.

RESISTANCE READINGS

Item	Tube	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
1	6SA7	0Ω	245Ω	440KΩ	210KΩ	0Ω	800Ω	245Ω	1.5 Meg
2	6SL7	0Ω	620KΩ	10KΩ	240KΩ	240KΩ	1 Meg.	245Ω	245Ω
3	6SL7	10KΩ	455KΩ	10KΩ	100KΩ	455KΩ	4.5KΩ	245Ω	245Ω
4	6L6	0Ω	245Ω	125KΩ	130KΩ	485KΩ	INF.	245Ω	245Ω
5	6L6	0Ω	245Ω	125KΩ	130KΩ	470KΩ	INF.	245Ω	245Ω
6	5U4	INF.	125KΩ	INF.	110Ω	INF.	115Ω	INF.	125KΩ

- 1 - DC Voltage measurements are at 20,000 ohms per volt; AC Voltages measured at 1000 ohms per volt.
- 2 - Socket connections are shown as bottom views.
- 3 - Measured values are from socket pin to common negative.
- 4 - Line voltage maintained at 117 volts for voltage readings.
- 5 - Nominal tolerance on component values makes possible a variation of ± 15% in voltage and resistance readings.
- 6 - All controls at minimum expander switch on and proper output load connected.

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DATE 1/48 SET #31 FOLDER #481-16

CHASSIS—TOP VIEW

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