

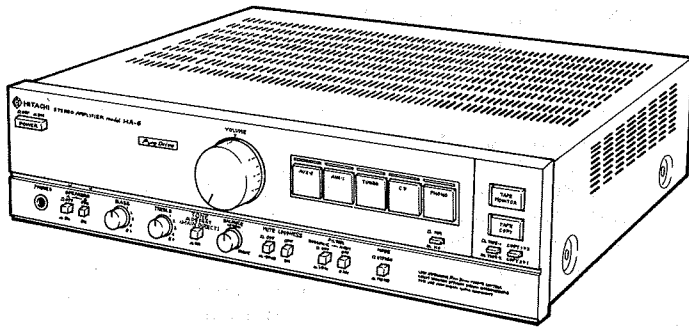
# HITACHI

## SERVICE MANUAL

TY

No. 387 EGF

HA-6



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### SAFETY PRECAUTION

The following precautions should be observed when servicing.

1. Since many parts in the unit have special safety related characteristics, always use genuine Hitachi's replacement parts. Especially critical parts in the power circuit block should not be replaced with other makers. Critical parts are marked with  $\Delta$  in the circuit diagram and printed wiring board.
2. Before returning a repaired unit to the customer, the service technician must thoroughly test the unit to ascertain that it is completely safe to operate without danger of electrical shock.

### SPECIFICATIONS

<b>Power output (Both channels driven)</b>	100 Watts* per channel, min. RMS, at 8 ohms from 20 Hz to 20 kHz, with no more than 0.005% total harmonic distortion.	<b>Output level</b>	
	105 W/ch + 105 W/ch (8 ohms, 1 kHz, T.H.D. 0.005% SINUS)	<b>TAPE REC OUT 1,2</b>	150 mV/560 ohms
	100 W/ch + 100 W/ch (8 ohms, 20 Hz - 20 kHz, T.H.D. 0.005%)	<b>Phono overload level (at 1 kHz T.H.D. 0.01%)</b>	MM: 230 mV, MC: 20 mV
<b>Harmonic distortion (8 ohms) (at 1/2 rated output)</b>	0.005%	<b>Signal-to-noise-ratio (IHF, A network)</b>	
<b>Intermodulation distortion (at 1/2 rated output)</b>	0.005%	<b>PHONO</b>	90 dB (MM), 70 dB (MC)
<b>Power bandwidth</b>	5 Hz - 40 kHz, (T.H.D. 0.1%, 1/2, Rated)	<b>CD, TUNER, AUX-1,2</b>	
<b>Frequency characteristics</b>		<b>TAPE 1,2</b>	105 dB
<b>PHONO</b>	20 Hz - 20 kHz, RIAA $\pm 0.2$ dB (MM)	<b>Damping factor</b>	80 (1 kHz, 8 ohms)
<b>CD, TUNER, AUX-1,2, TAPE 1,2</b>	5 Hz - 200 kHz (-3 dB)	<b>Bass control</b>	$\pm 8$ dB (100 Hz)
<b>Input sensitivity/Impedance</b>		<b>Treble control</b>	$\pm 8$ dB (10 kHz)
<b>PHONO</b>	MM 2.5 mV/47 k-ohms MC 0.25 mV/100 ohms	<b>Loudness control</b>	+6 dB (100 Hz) +3 dB (10 kHz)
<b>CD, TUNER, AUX 1,2, TAPE PLAY 1,2</b>	150 mV/47 k-ohms 150 mV/47 k-ohms	<b>Subsonic filter/High filter</b>	30 Hz (-6 dB/oct) 8 kHz (-6 dB/oct)
		<b>Power supply</b>	AC 120 V 60 Hz, ~ 220 V 50/60 Hz, ~ 240 V 50/60 Hz or ~ 120 V/220 V/240 V 50/60 Hz
		<b>Power consumption</b>	500 W (at rated output) 350 W/450 VA (at 1/3 rated output) 200 W (at 1/10 rated output) (for U.S.A.)
		<b>Dimensions</b>	435(W) $\times$ 115(H) $\times$ 386(D) mm
		<b>Weight</b>	10.5 kg

\* Measured pursuant to the Federal Trade Commission's Trade Regulation Rule on Power Output Claims for Amplifiers.

SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

## STEREO AMPLIFIER

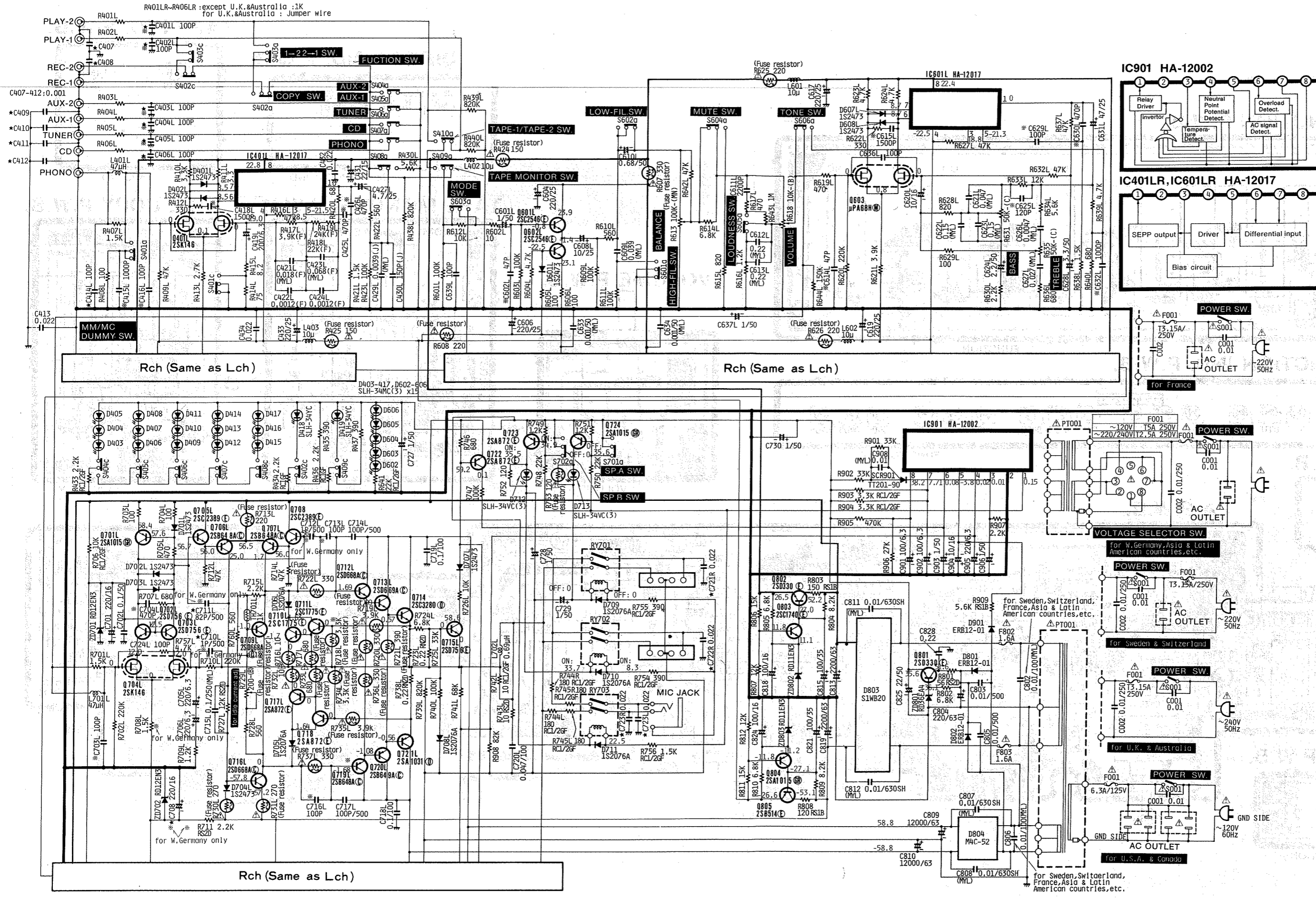
September 1983

TOYOKAWA WORKS

CIRCUIT DIAGRAM · SCHALTPLAN · PLAN DE CIRCUIT

CAUTION  
Use the electrolytic capacitors with explosion-proof valve when the diameter of them is more than 10mmφ.

\*: for W.Germany only



HA-1207 HA-12017	2SK146
HA-12002	1S2473 RD12EN3 RD36EB4 RD11EN3
IC401LR, IC601LR HA-12017	2SA1015 (G) 2SC2389 (E) 2SC1775 (E) 2SA872 (E) 2SC1740LN (E) 2SC2546 (E)
POWER SW.	ERB12-01R
POWER SW.	MN3008 MN5101
POWER SW.	S1WB20
POWER SW.	M4C-52-13
POWER SW.	SLH-34MC(3) SLH-34VC(3)
POWER SW.	2SD756A (E)
POWER SW.	SLH-34YC(4)
POWER SW.	2SD330 (E) 2SD330AL (E) 2SA514AL (E)