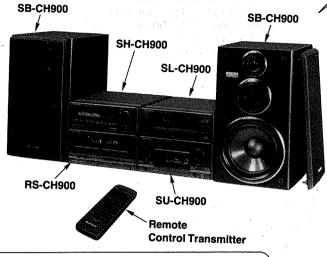
ervice Ma

Amplifier



Because of unique interconnecting cables, when a component requires service, send or bring in the entire system.

SPECIFICATIONS

■ MAIN AMP. SECTION Power output

DIN 1 kHz THD 1%, both channel driven **FRONT** $2\times50~W~(6\Omega)$ REAR 2×5 W (8Ω) **Total harmonic distortion** Rated power at 1 kHz **FRONT** 1% (6Ω) REAR 1% (8Ω) Half power at 1 kHz $0.07\% (6\Omega)$ **FRONT** 351 mV/240Ω Headphones output level/impedance Load impedance FRONT 6Ω

■ PRE AMP. SECTION

Loudness (vol. -30 dB)

Channel separation (1 kHz)

REAR

Input sensitivity/impedance **FRONT** $200\,mV/47\,k\Omega$ $200 \text{ mV}/47 \text{ k}\Omega$ REAR **CENTER** $200 \, \text{mV} / 47 \, \text{k}\Omega$ $0.7 \, \text{mV} / 12 \, \text{k}\Omega$ MIC S/N (rated power) FRONT 84 dB (IHF, A 88 dB) Frequency response FRONT 30 Hz-30 kHz (-3 dB) Muting -20 dB

Color

(K) Black Type

Areas

Country Code	Area	Color	
(E)	Continental Europe.	(K)	
(EB)	Great Britain.		
(EG)	Germany and Italy.		
(GC)	Asia, Latin America, Middle Near East and Africa.		
(GN)	Oceania.	· Nga	

System: SC-CH900

■ VIDEO SECTION

Video out **MONITOR OUT VCR OUT**

1 Vpp/75Ω 1 Vpp/75Ω

■ TIMER SECTION

Clock **Functions** Quartz-lock type, 24-hour indication 24-hour programmable; Sleep (120 min. 1 min. intervals). Weekly (1 time), Once (1 time).

1 minute-23 hours 59 minutes (1 min.)

Setting

■ GENERAL

Power consumption

330 W

Power supply

For Continental Europe, Germany and Italy

AC 50 Hz/60 Hz, 230 V AC 50 Hz/60 Hz, 230 V~240 V

*(E), (EB), (EG) areas...Made in PAES

For Great Britain and Oceania For Others AC 50 Hz/60 Hz, 110 V/127 V/220 V/240 V

Dimensions (W×H×D)

230×110×346 mm

Weight

5.8 kg

1. Specifications are subject to change without notice.

2. Weight and dimensions are approximate.

3. Total harmonic distortion is measured by the digital spectrum analyzer.

System	Tuner/CD player	Sound Processor	Amplifier	Cassette Deck	Speakers
SC-CH900	SL-CH900	SH-CH900	SU-CH900	RS-CH900	*SB-CH900

8Ω

60 Hz, +5 dB

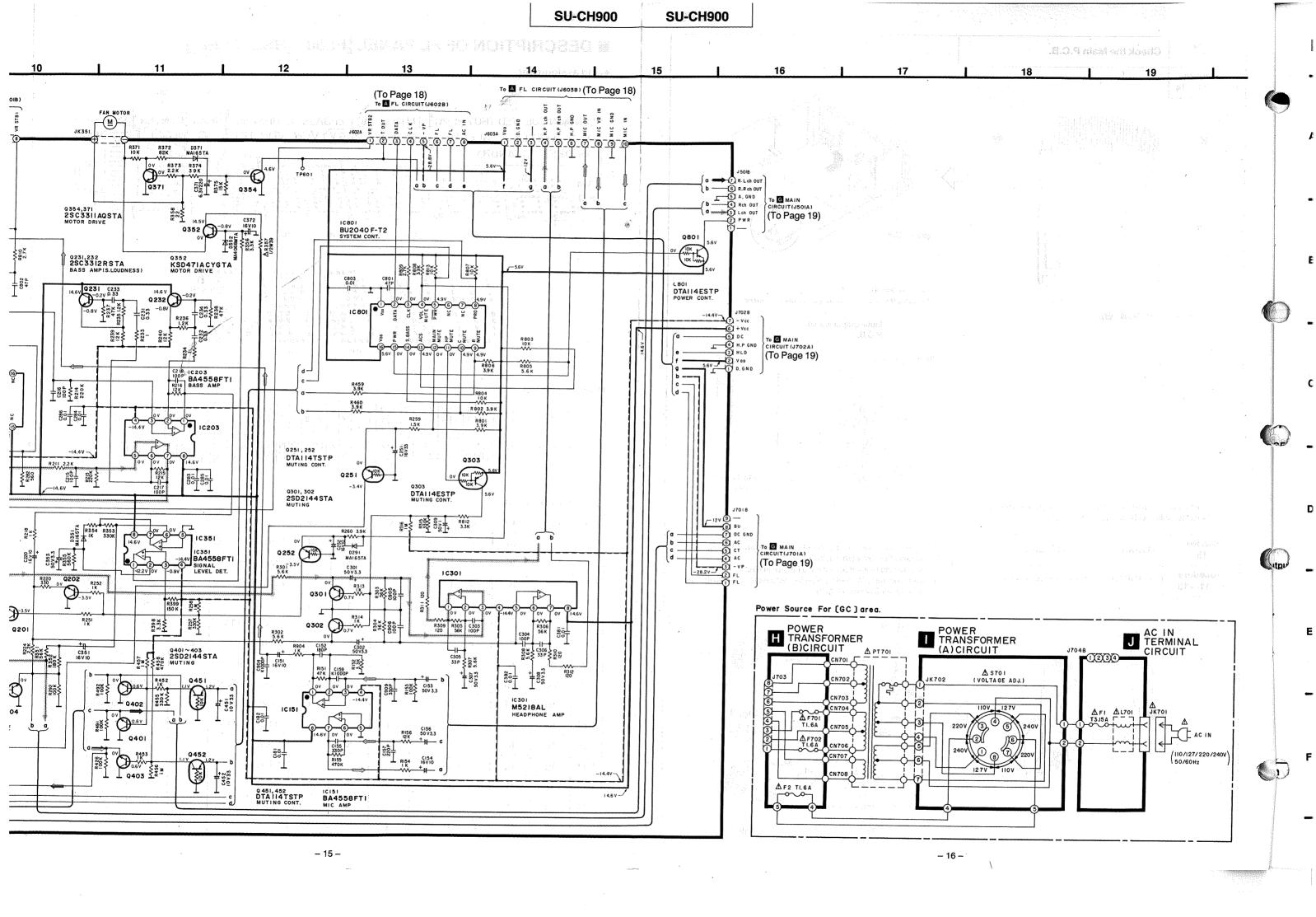
57 dB

Technics

SU-CH900 SU-CH900

■ SCHEMATIC DIAGRAM (Input/Output Terminal Attenuator/Power Transformer/AC IN circuit) (Parts list on pages 27~30)

(To Page 18) E ATTENUATOR CIRCUIT F INPUT/OUTPUT TERMINAL CIRCUIT IC407 TC4053BFTPI SIGNAL SELECTOR Q354,371 2SC33IIAQST MOTOR DRIVE To SL-CH900/ SH-CH900 (To CN11/ JK101 IC201 LC7536 ELECTRIC VOLUME Q231,232 2SC3312RS7 BASS AMP(S.LO 80 180 8-18-1 ~14.4V -1.00 0.00 0.00 0.00 IC401,402 LC7536 ELECTRIC VOLUME R211 2.2 K R492 100K IC202 BA4558FTI BUFFER AMP CENTER © IC403,405 BA4558FTI BUFFER AMP 0201~204 25D2144STA MUTING 10405 Q453 2SC33IIAQSTA SWITCHING



SU-CH900 SU-CH900 ■ SCHEMATIC DIAGRAM (Operation/FL/Headphones/Mic/Main/Power Transformer/AC IN circuit) (Parts list on pages 27~30) A FL CIRCUIT To F INPUT/OUTPUT TERMINAL CIRCUIT (J602A) (To Page 15) IC601 M38102M5127S SYSTEM CONTROL & FL DRIVE Q605 DTCII4ESTP RESET D 2 8.CLK
3 8.GND
TO THEMINAL CIRCUIT (JEDIA)

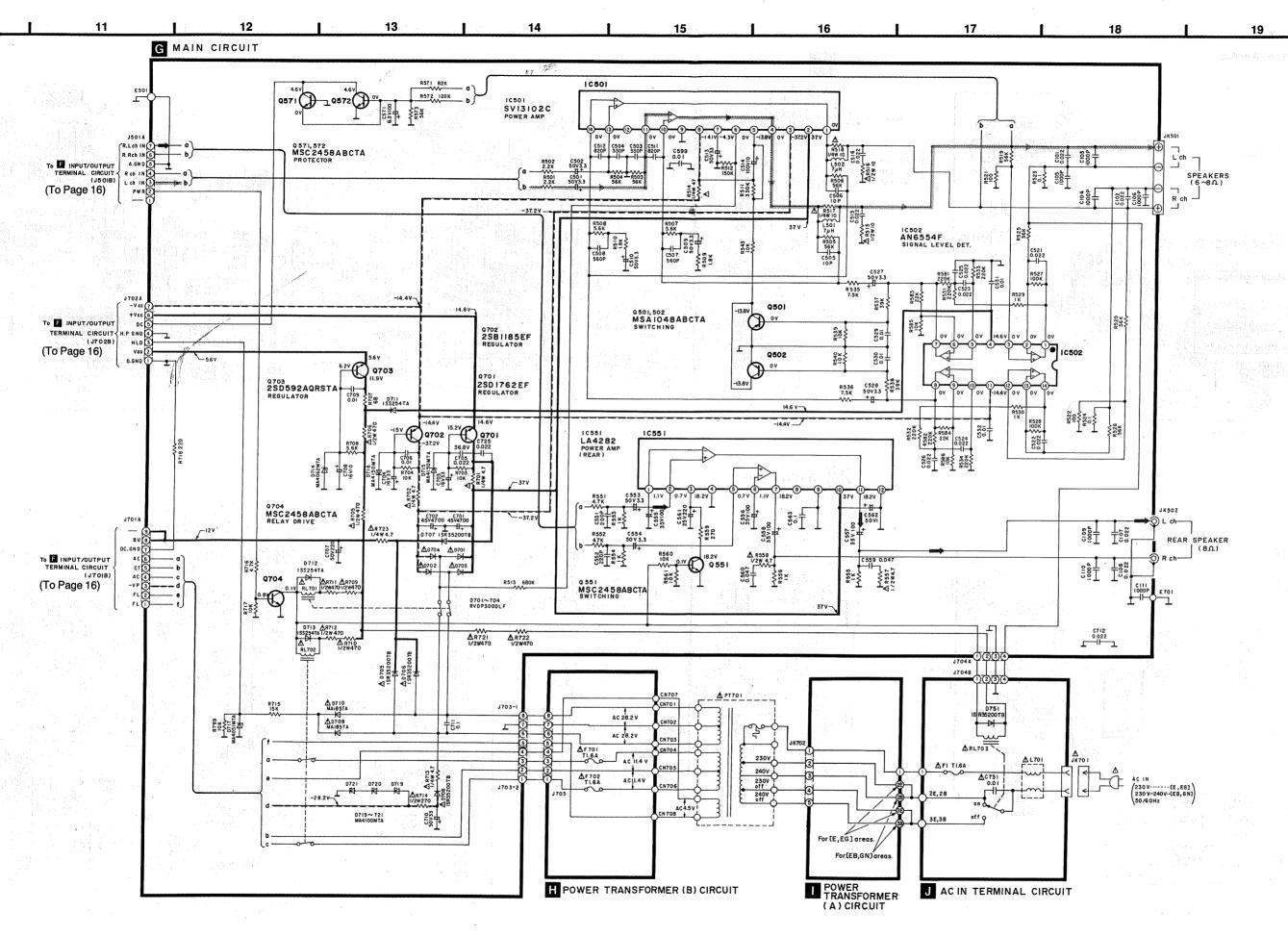
TO E INPUT/OUTPUT TERMINAL CIRCUIT (JEDIA) TO F INPUT/OUTPUT TERMINAL CIRCUIT (J601A) AGSTA 8624 39K 950-T J603B Vob 2 D. G N D 3 H.P L Ch I N 0601, 603 2SC33 I I AQSTA BUS LINE DRIVE Q 602, 604 DTC 144ESTP BUS LINE DRIVE To F INPUT/OUTPUT TERMINAL CIRCUIT (J603A) -THICIN (To Page 15) IC602 RCDHC-278 REMOTE SENSOR

B OPERATION CIRCUIT

10602

D MIC JACK CIRCUIT

C HEADPHONES



Notes: •S601 : CLOCK SET switch : SELECT (▼) switc •S602 : SELECT (▲) switc •S603 : TIMER SET switch •S604 •S605 : CANCEL switch : STANDBY switch ●S606 •S607 : RECALL switch : BALANCE (L) switch •S608 •S609 : BALANCE (R) swite •S610 : Input select (VDP) : : Input select (PHON •S611 •S612 : Input select (CD) sv •S613 : Input select (DAT) •S614 : Input select (TUNE) •S615 : Input select (TAPE) : Input select (VCR) •S616 : S. LOUDNESS swin •S618 •S619 : POWER switch •S701 : VOLTAGE SELECT (110 V/127 V/220 V •Indicated voltage values are the s

20

•Indicated voltage values are the si electronic circuit tester (high-impe Therefore, there may exist some ε internal impedance of the DC circuit.

: Positive voltage line
: Negative voltage line
: Mic signal line
: Source signal line
: Rear speaker drive
: Center speaker drive

•Important safety notice:

Components identified by △ mark When replacing any of these comp

 This schematic diagram may be new technology.

Caution!

IC and LSI are sensitive to static ele-

- ●Secondary trouble can be prevente
- Cover the parts boxes made of plaGround the soldering iron.
- •Put a conductive mat on the word t
- •Do not touch the legs of IC or LSI v

•The supply part number is describe

	T
Ref. No.	Production Part
10454	
IC151	
IC202	
IC203	
IC351	BA4558FT
IC403	
} ≀	
IC406	
-	
IC301	M5218AL

TechInfo Sheet

Audio Visual

email: av.technical@mail.panasonic.co.uk

fax: 01344 853689

Product Group: HiFi Mini Model: SU-CH900

Date: 14/12/99 Revision No: 01 Document No: 01

Subject: Unit Cuts Out

SYMPTOM: The unit turns off unexpectedly during normal operation and an

indication of "E—" lights on the main display.

CAUSE: One of the following may cause the cut out.

1. A defective fan motor (coil shorted, disconnected or clogged commutator).

2. A faulty detector circuit (short or disconnection).

 Smoothing capacitor (C571) used in fault detector circuit of output IC is possibly dry joint. The problem is liable to occur

when the output is high.

REMEDY:

 Defective fan motor: Replace the fan motor Part No. SYE1128-4 unless the resistance across both ends of the coil is between 20 and 30 Ohms.

2. Incorrect action of fan motor circuit: Mount a capacitor across both ends of the fan motor.



3. Poorly soldered C571, re-solder this capacitor.

NB Due to the nature of the problem, it is recommended that all of the three remedies above are carried out simultaneously

Panasonic CS U.K.

Document No: 01 Model: SU-CH900