

Service Manual

Compact Stereo System

Model No. **SC-HC35P**

SC-HC35PC

SC-HC35DBEB

SC-HC35EG

SC-HC35EF

SC-HC35EP

SC-HC35GN

SC-HC35GS

SC-HC35GT

SC-HC35GSX

SC-HC35PU

SC-HC35GK

Product Color: (K)...Black Type (For EG/EF/EP/GN/GS/GSX)

(S)...Silver Type

(W)...White Type (For EG/GN/GS/GSX/PU)

(R)...Red Type (For EG/GN/DBEB/GS/GSX)

(H)...Gray Type (For DBEB)

Subject : Block Diagram / Schematic Diagram / Printed Circuit Board / Replacement Parts List (Updates)

Please file and use this supplement manual together with the service manual for

Model No. SC-HC35P/PC-S Order No. PSG1102003CE

Model No. SC-HC35EG-K/S/W/R, EF/EP-K/S Order No. PSG1103029CE

Model No. SC-HC35GN-K/S/W/R Order No. PSG1103030AE

Model No. SC-HC35DBEB-H/S/R Order No. PSG1103031CE

Model No. SC-HC35GT-S, GS/GSX-S/K/W/R Order No. PSG1104006CE

Model No. SC-HC35PU-S/W Order No. PSG1104007CE

Model No. SC-HC35GK-S Order No. PSG1105009AE

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WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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1 Notes

Background:

- For improvement of quality and performance.

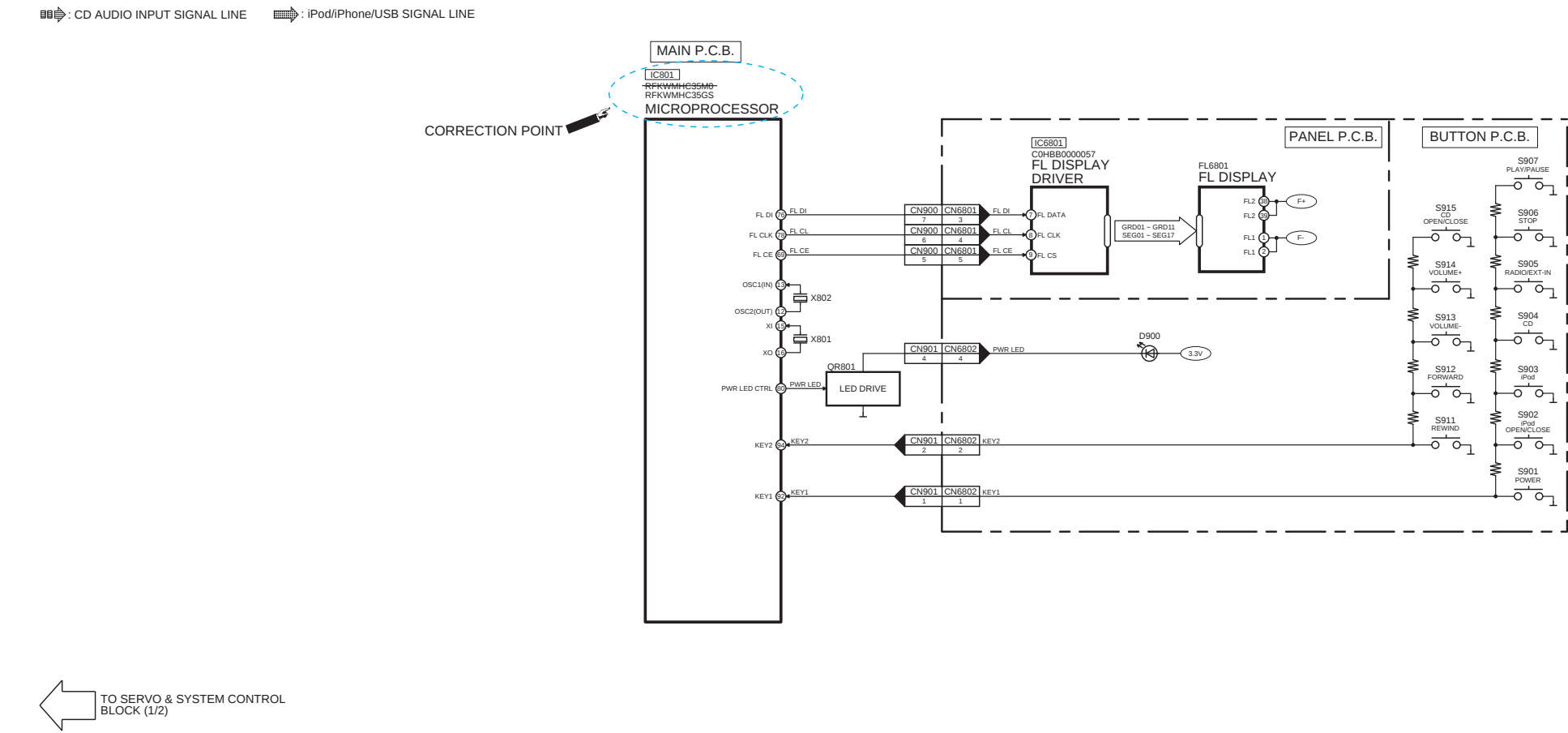
This supplement includes additional and revised contents to the original service manual for below sections:-

1. Update to Block Diagram. (SERVO & SYSTEM CONTROL)
2. Update to Schematic Diagram. (SMPS CIRCUIT)
3. Update to Printed Circuit Board. (SMPS P.C.B.)
4. Update to Electrical Replacement Parts List.

2 Block Diagram

2.1. SERVO & SYSTEM CONTROL (For SC-HC35GS/GSX-S/K/W/R, GT-S)

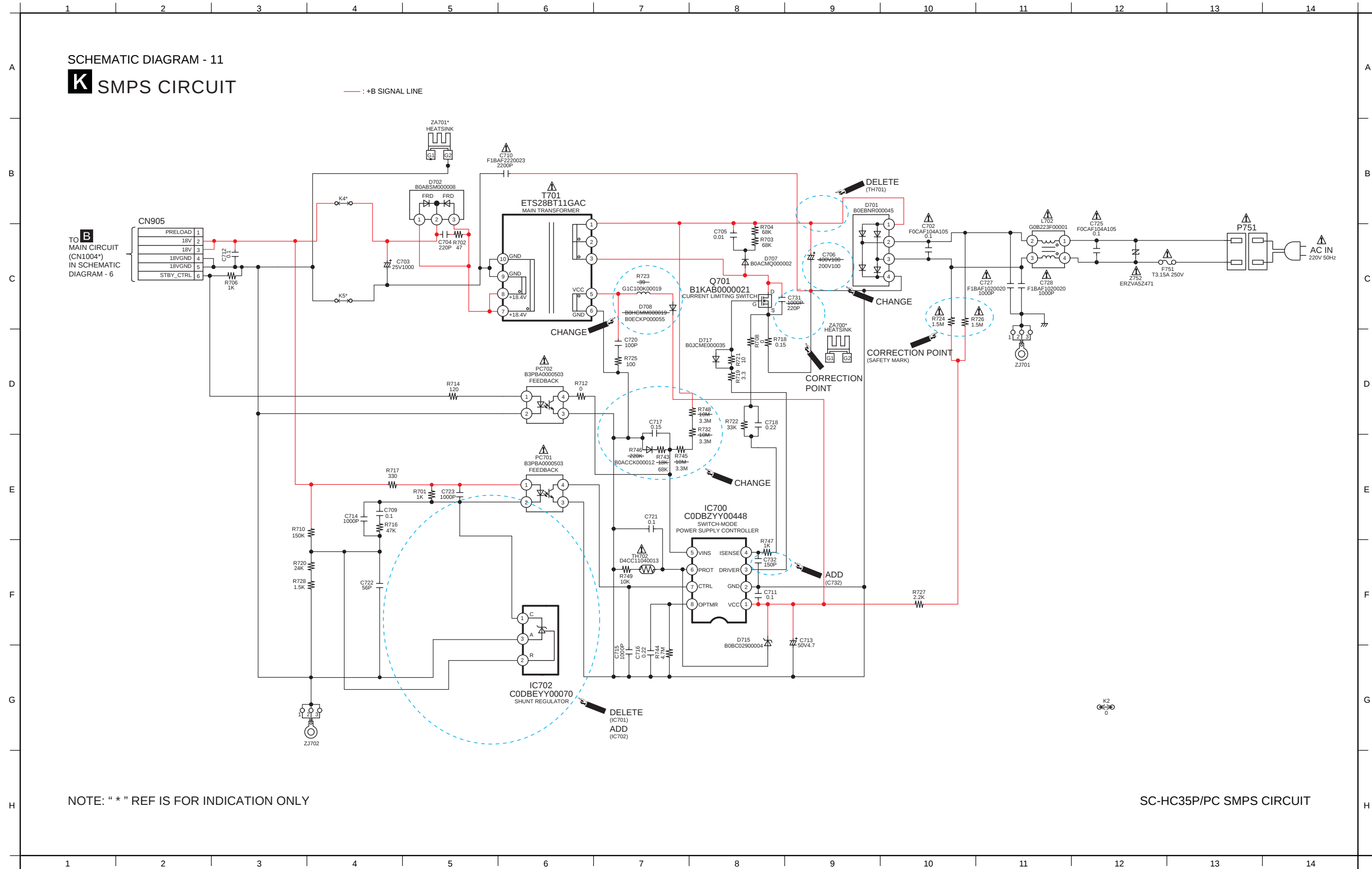
With reference to original service manual (section 13.3) on page 102 for Model No. SC-HC35GS/GSX-S/K/W/R, GT-S



3 Schematic Diagram

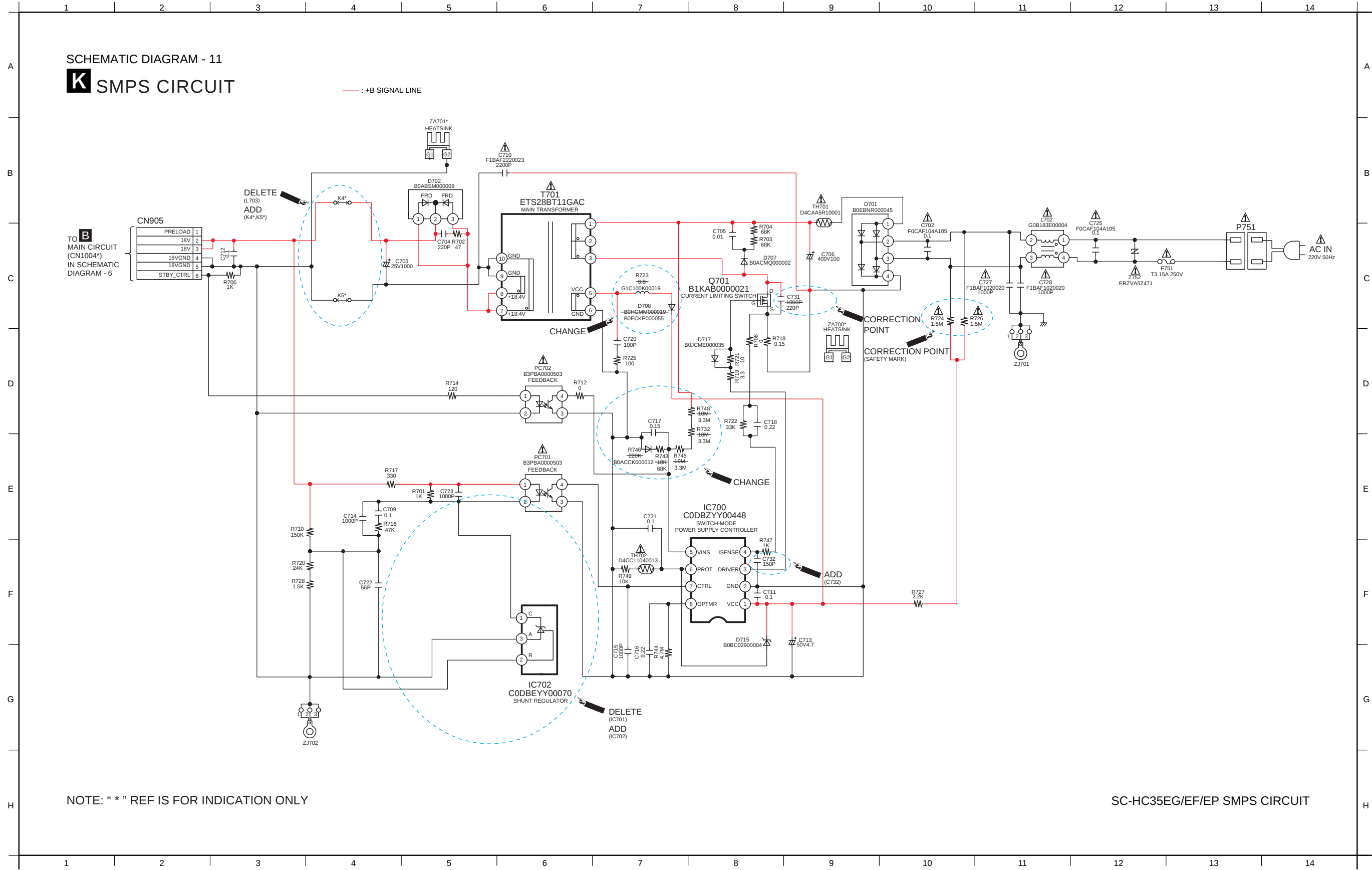
3.1. SMPS CIRCUIT (SC-HC35P/PC-S)

With reference to original service manual (section 15.7.) on page 117 for Model No. SC-HC35P/PC-S



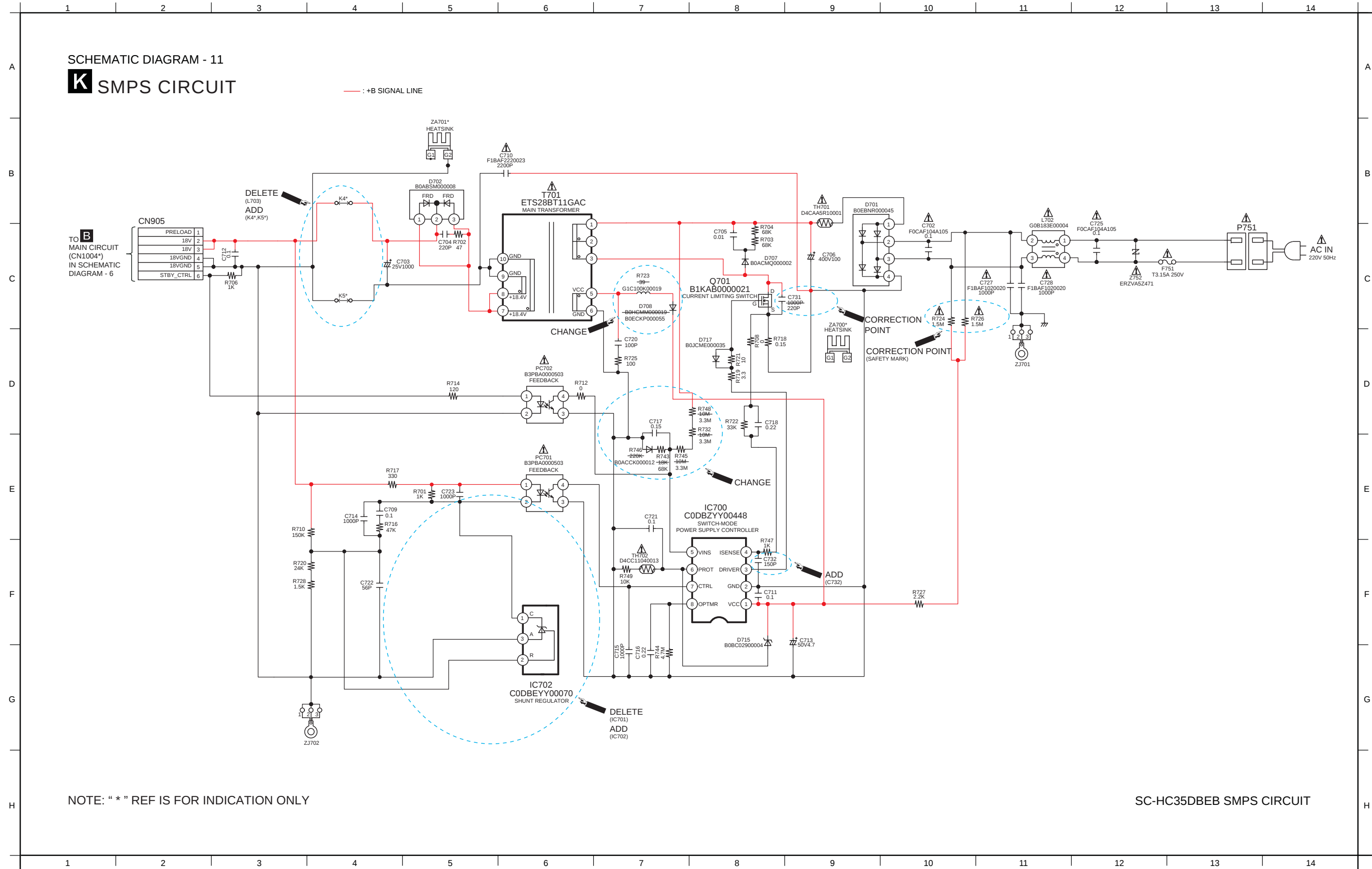
3.2. SMPS CIRCUIT (For SC-HC35EG-K/S/W/R, EF/EP-K/S & SC-HC35GN-K/S/W/R)

With reference to original service manual (section 15.12.) on page 119 for Model No. SC-HC35EG-K/S/W/R, EF/EP-K/S
With reference to SC-HC35EG-K/S/W/R, EF/EP-K/S service manual (section 15.12.) on page 119 for Model No. SC-HC35GN-K/S/W/R



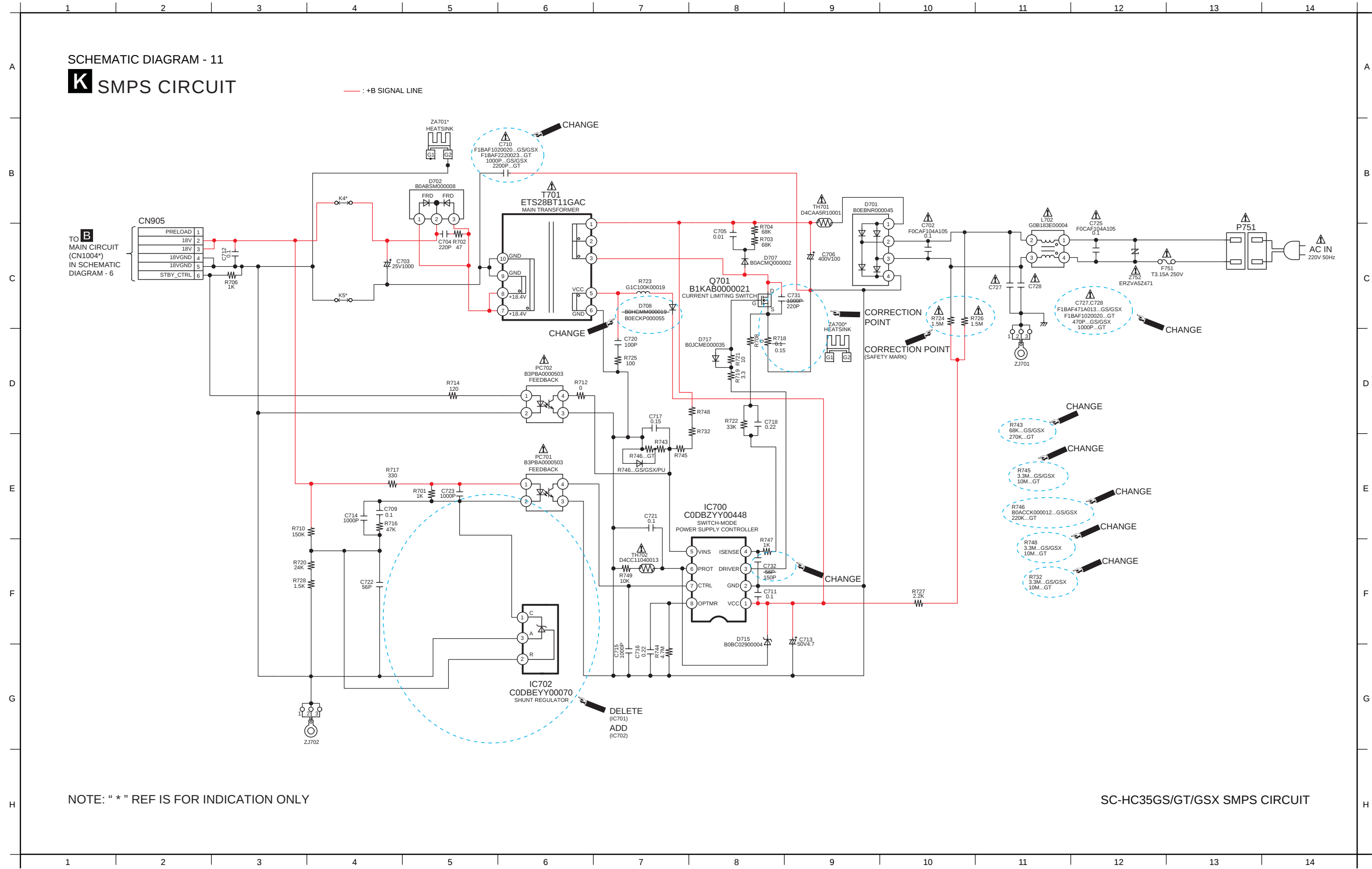
3.3. SMPS CIRCUIT (For SC-HC35DBEB-H/S/R)

With reference to original service manual (section 15.12.) on page 112 for Model No. SC-HC35DBEB-H/S/R



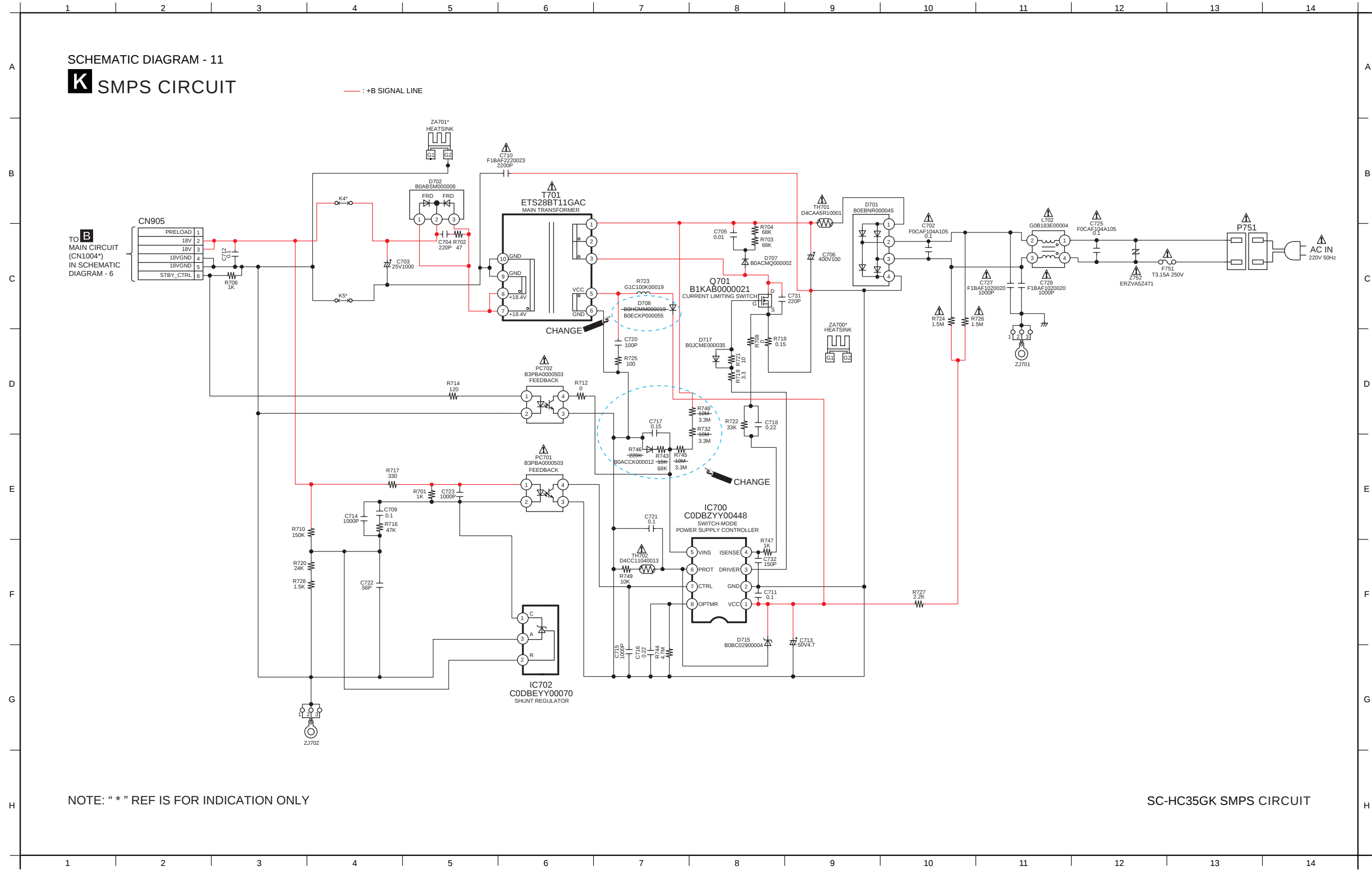
3.4. SMPS CIRCUIT (For SC-HC35GS/GSX-S/K/W/R, GT-S)

With reference to original service manual (section 15.12.) on page 121 for Model No. SC-HC35GS/GSX-S/K/W/R, GT-S



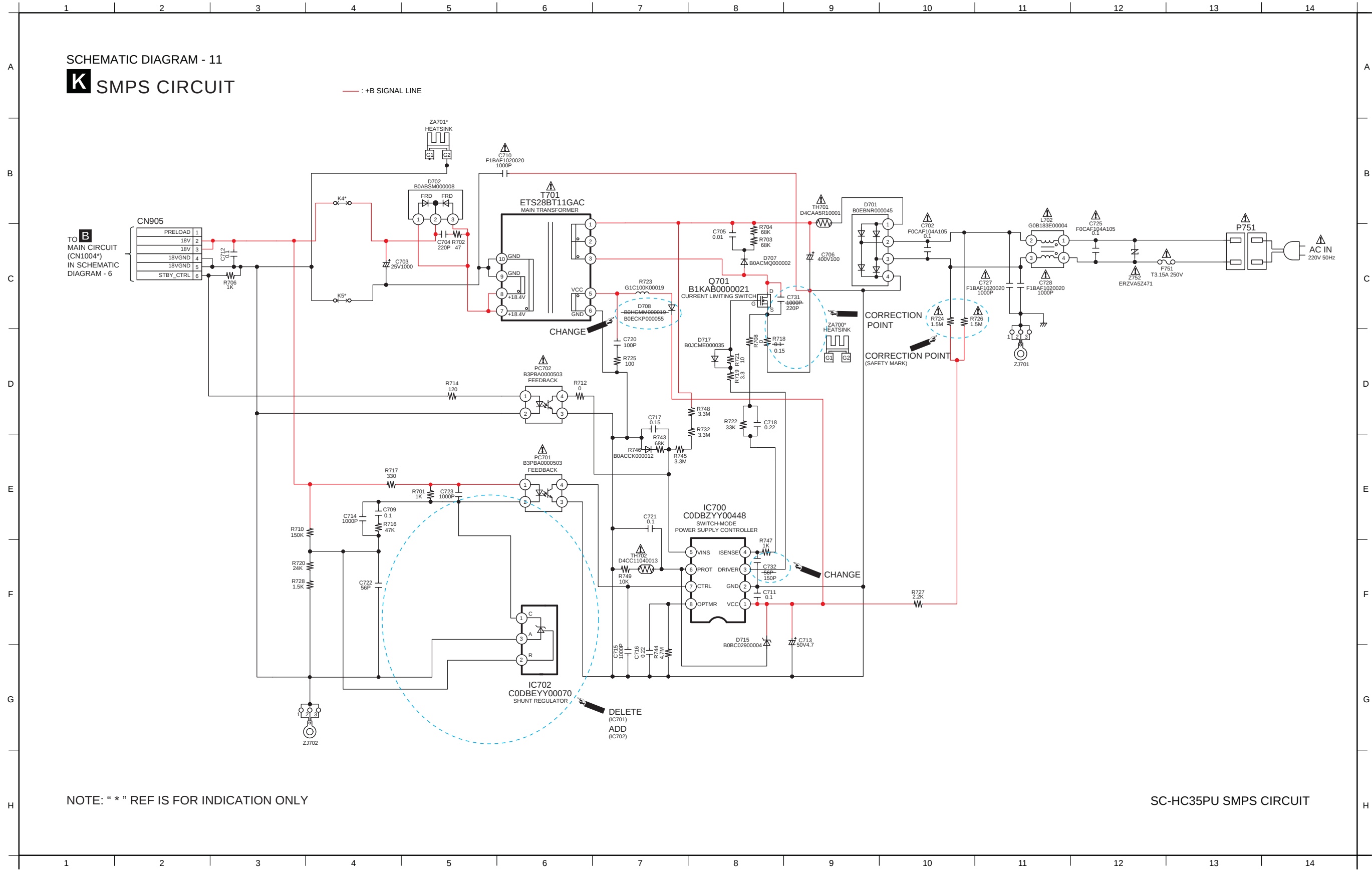
3.5. SMPS CIRCUIT (For SC-HC35GK-S)

With reference to original service manual (section 7.1.) on page 15 for Model No. SC-HC35GK-S



3.6. SMPS CIRCUIT (For SC-HC35PU-S/W)

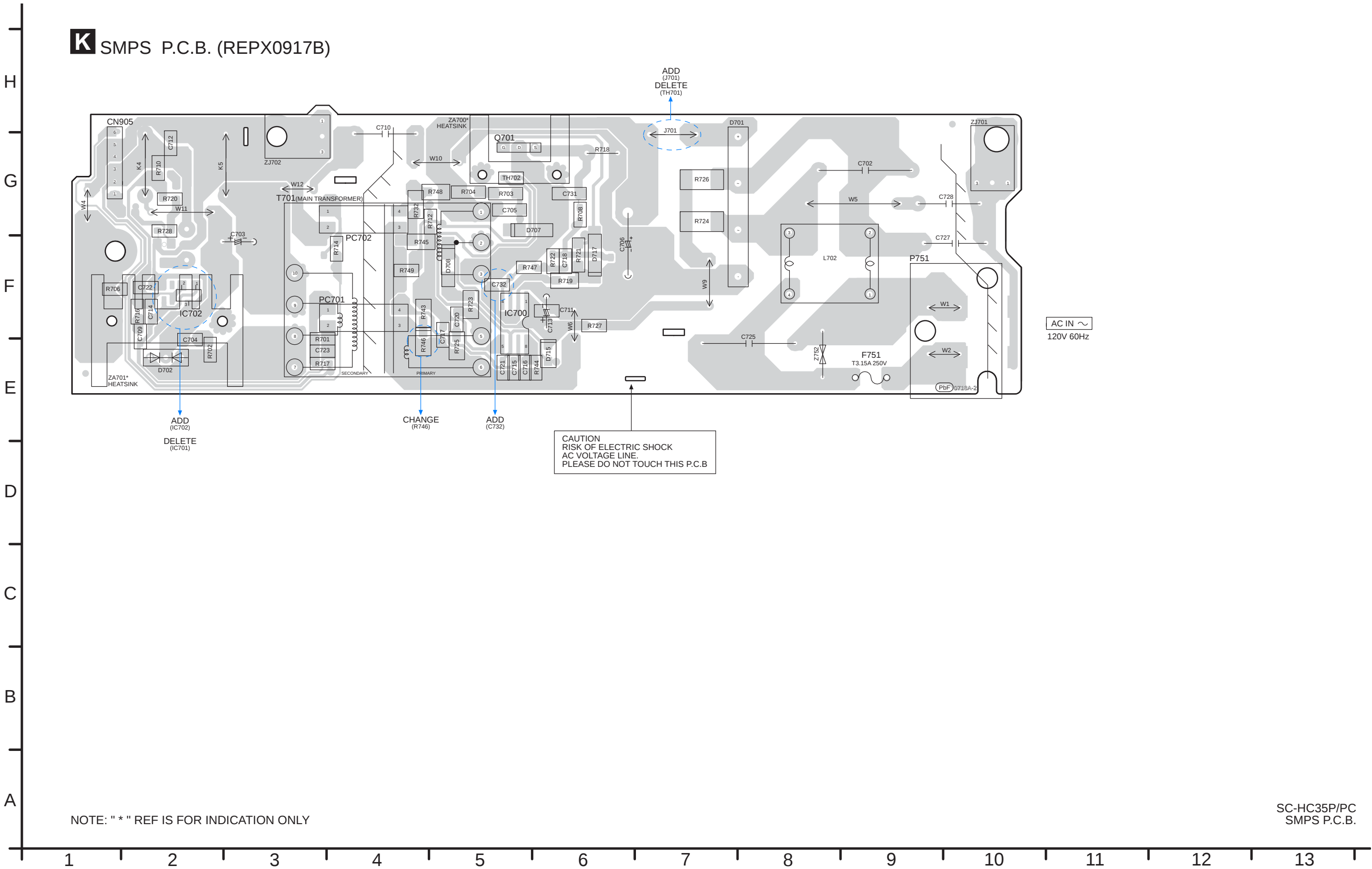
With reference to original service manual (section 15.12.) on page 117 for Model No. SC-HC35PU-S/W



4 Printed Circuit Board

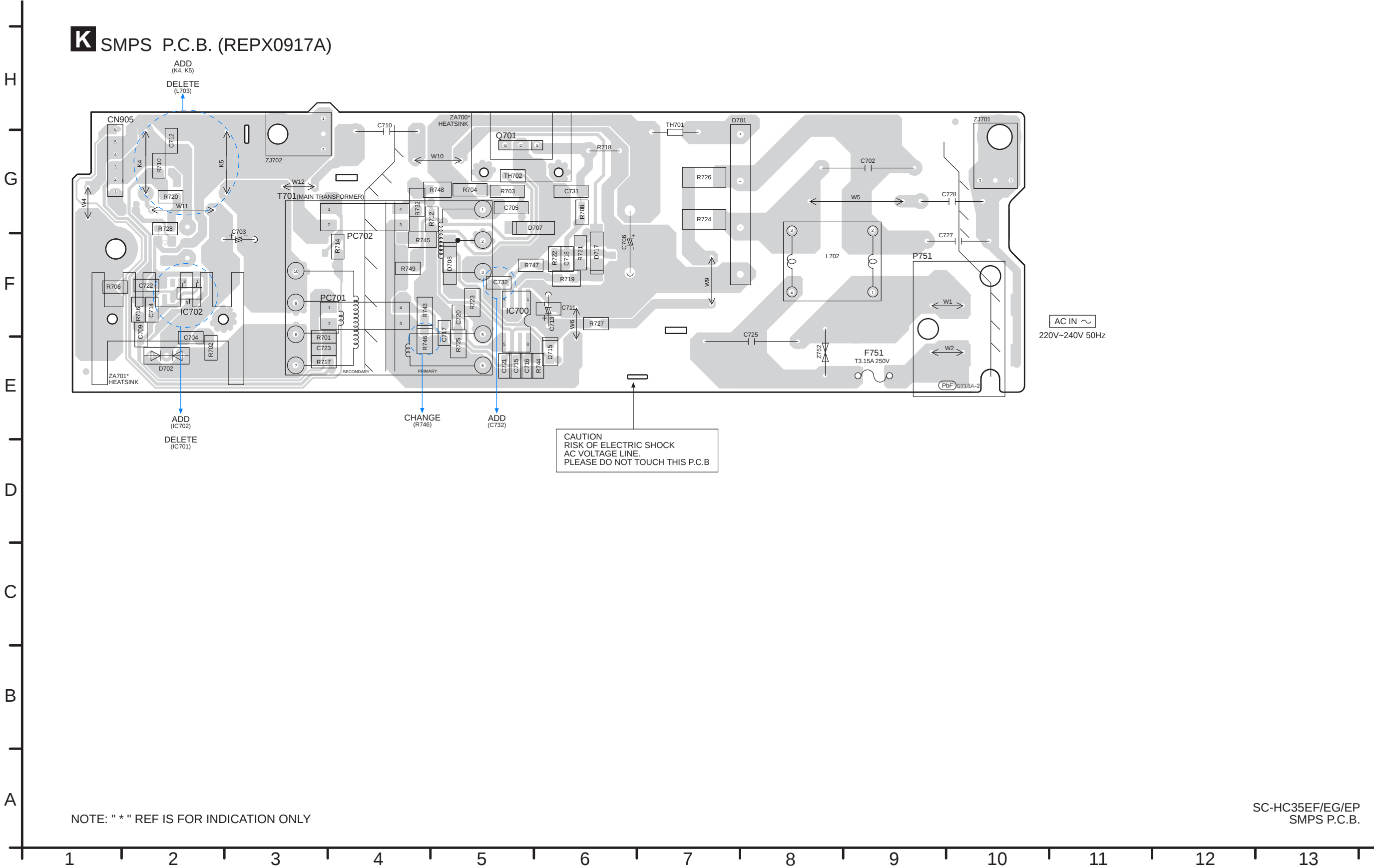
4.1. SMPS P.C.B. (For SC-HC35P/PC-S)

With reference to original service manual (section 16.6.) on page 123 for Model No. SC-HC35P/PC-S



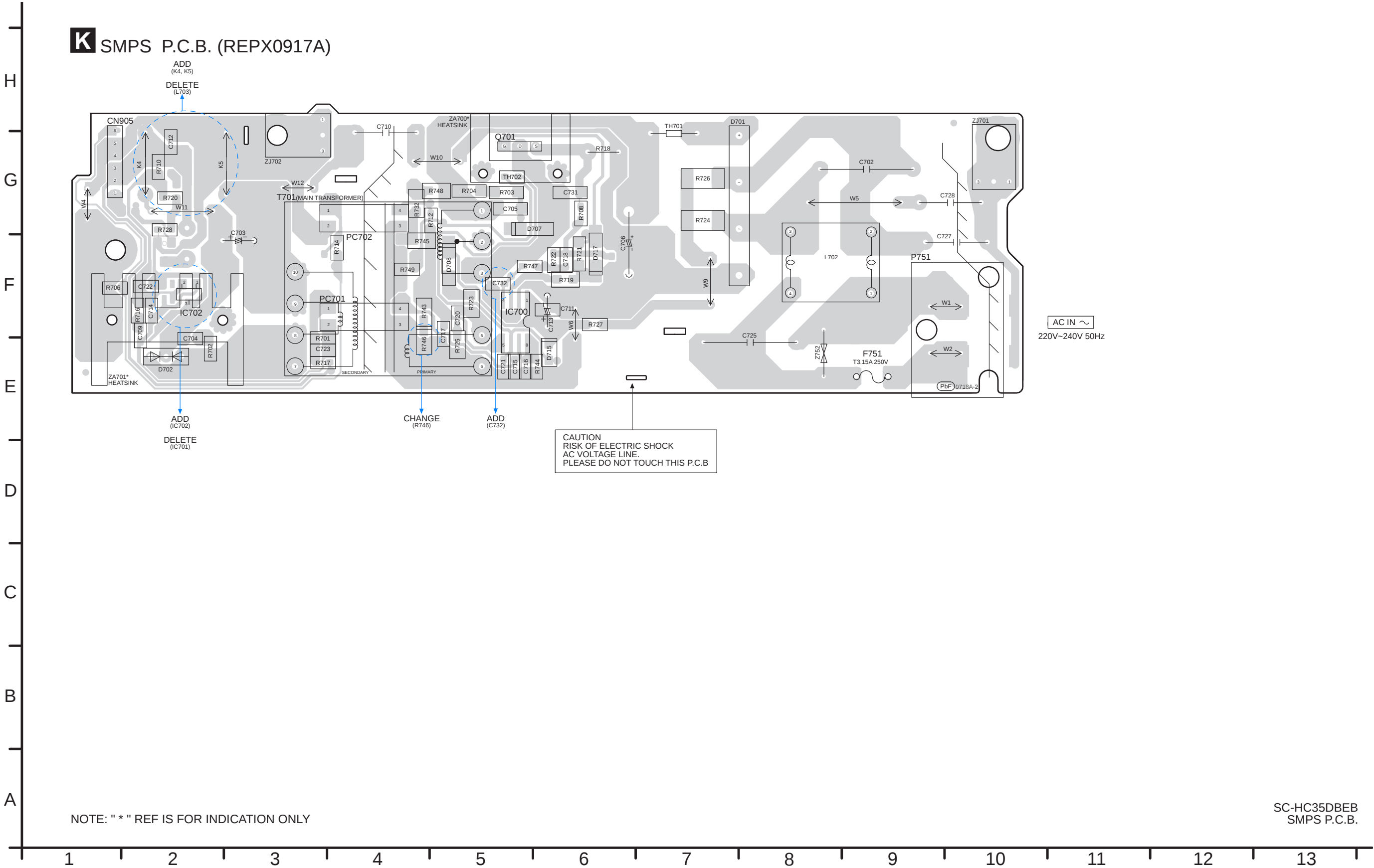
4.2. SMPS P.C.B. (For SC-HC35EG-K/S/W/R, EF/EP-K/S & SC-HC35GN-K/S/W/R)

With reference to original service manual (section 16.6.) on page 125 for Model No. SC-HC35EG-K/S/W/R, EF/EP-K/S
With reference to SC-HC35EG-K/S/W/R, EF/EP-K/S service manual (section 16.6.) on page 125 for Model No. SC-HC35GN-K/S/W/R



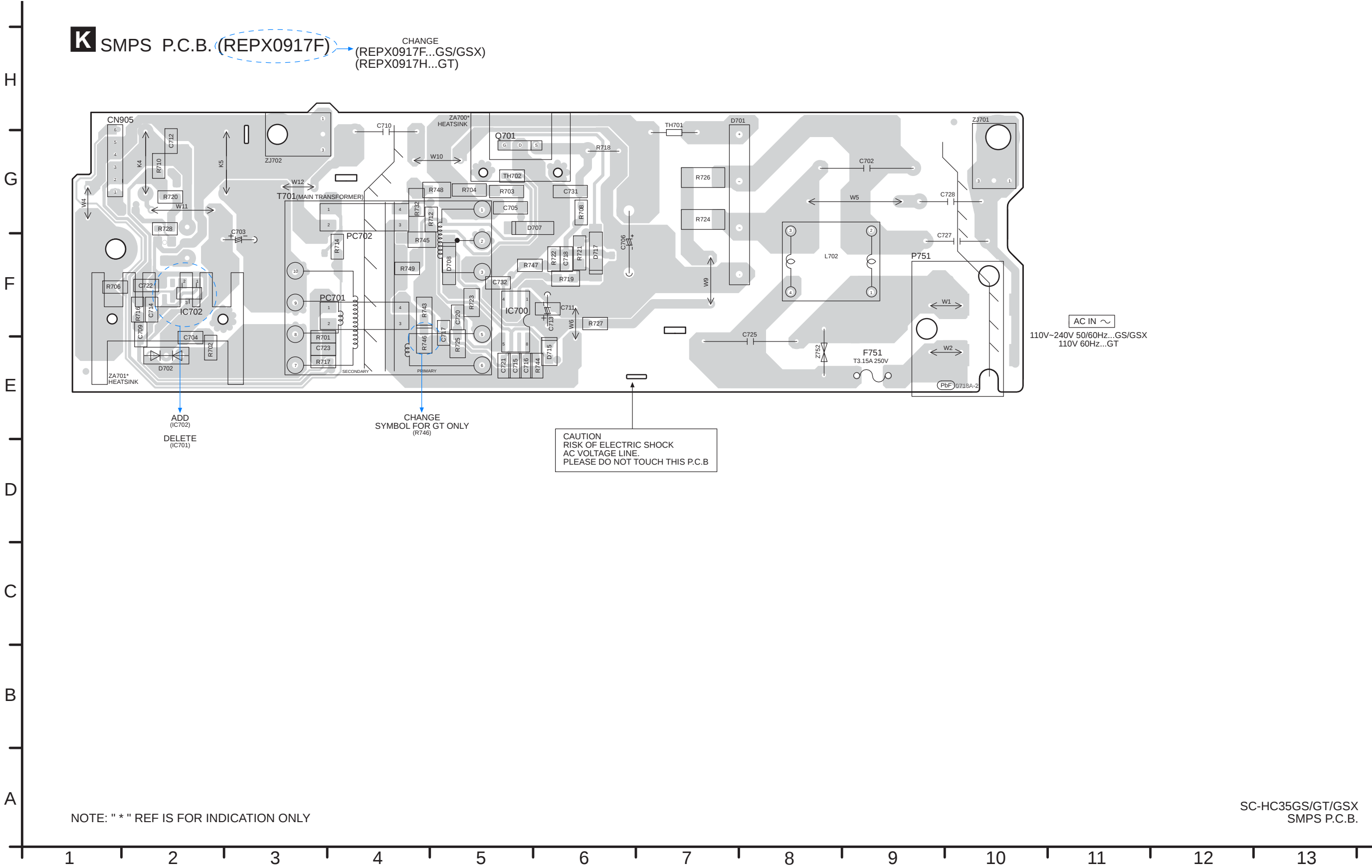
4.3. SMPS P.C.B. (For SC-HC35DBEB-H/S/R)

With reference to original service manual (section 16.6.) on page 129 for Model No. SC-HC35DBEB-H/S/R



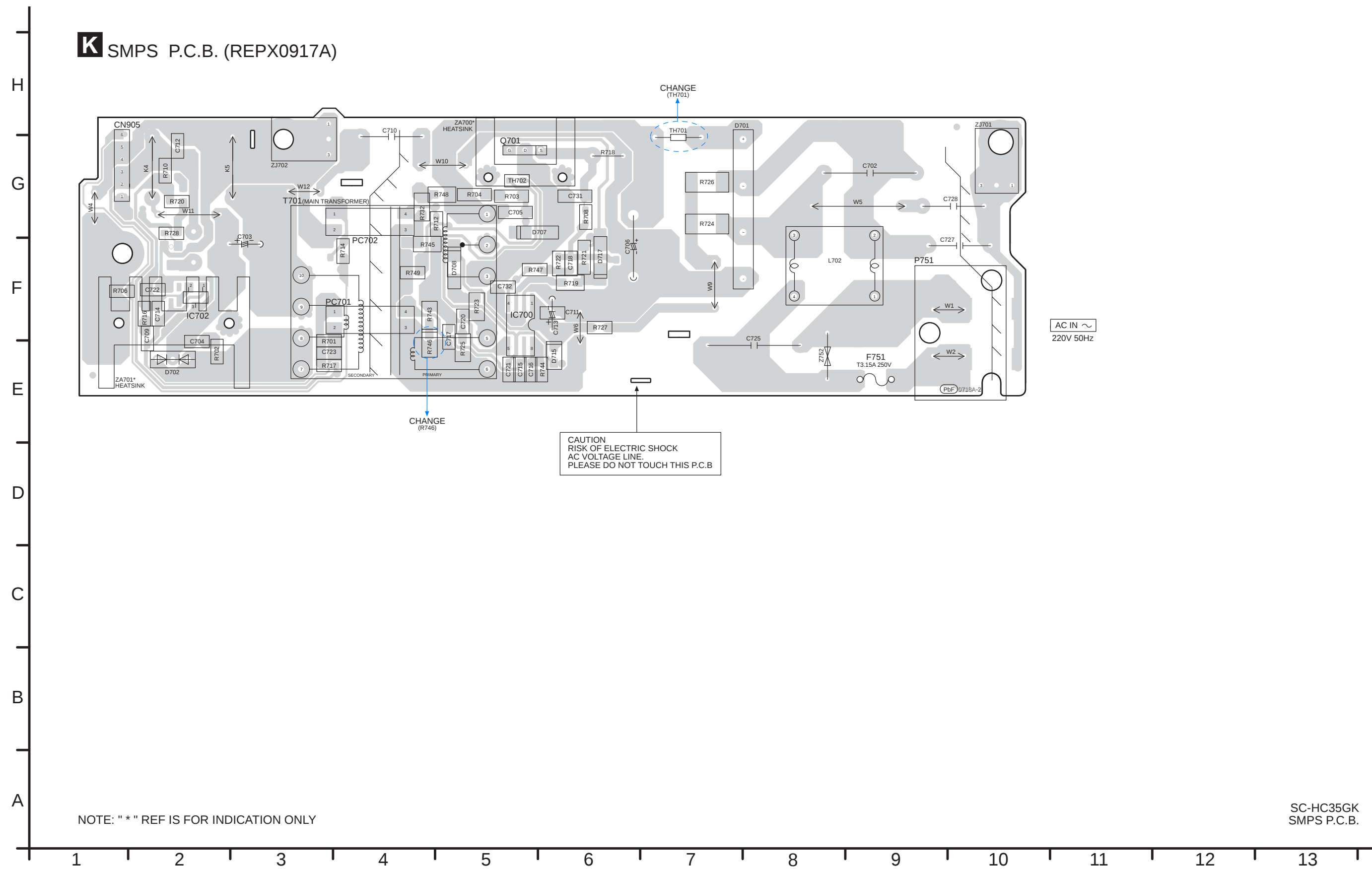
4.4. SMPS P.C.B. (For SC-HC35GT-S, GS/GSX-S/K/W/R)

With reference to original service manual (section 16.6.) on page 127 for Model No. SC-HC35GT-S, GS/GSX-S/K/W/R



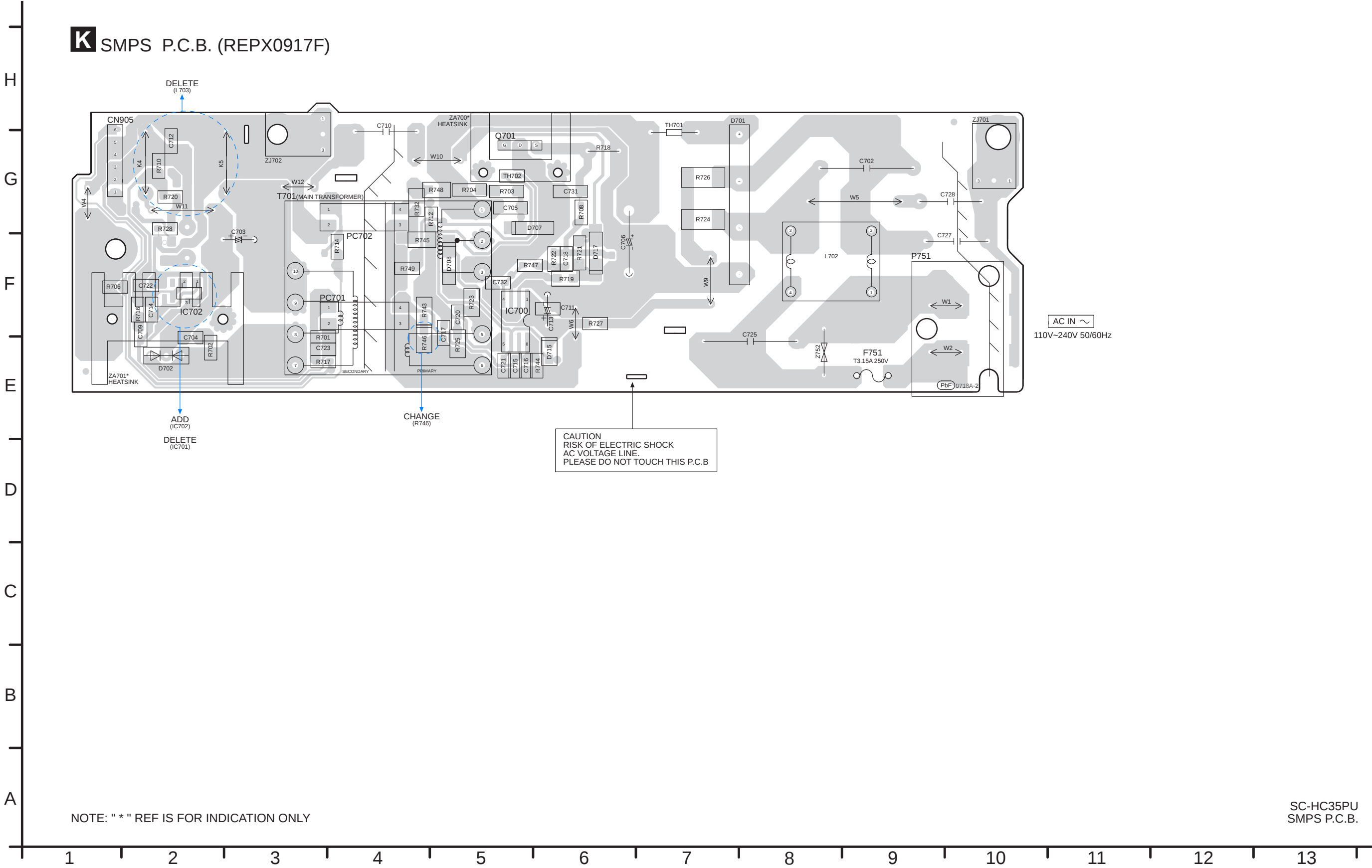
4.5. SMPS P.C.B. (For SC-HC35GK-S)

With reference to original service manual (section 8.1.) on page 16 for Model No. SC-HC35GK-S



4.6. SMPS P.C.B. (For SC-HC35PU-S/W)

With reference to original service manual (section 16.6.) on page 123 for Model No. SC-HC35PU-S/W



5 Replacement Parts List

Reason for Change

*The circled item indicates the reason. If no marking, see the Notes in the bottom column.

☐	1. Improve performance
	2. Change of material or dimension
	3. To meet approved specification
	4. Standardization
☐	5. Addition
☐	6. Deletion
	7. Correction
☐	8. Other

Interchangeability Code

**The circled item indicates the interchangeability. If no marking, see the Notes in the bottom column.

Parts		Set Production	
	A Original	→ Early	Original or new parts may be used in early or late production set. Use original parts until exhausted, then stock new parts.
	New	→ Late	
	B Original	→ Early	Original parts may be used in early production sets only. New parts may be used in early or late production sets. Use original parts where possible, then stock new parts.
	New	→ Late	
☐	C Original	→ Early	New parts only may be used in early or late production sets. Stock new parts.
	New	→ Late	
	D Original	→ Early	Original parts may be used in early production sets only. New parts may be used in late production sets only. Stock both original and new parts.
	New	→ Late	
☐	E Other		

Please revise the original parts list in the Service Manual to conform to the change(s) shown herein.

If new part numbers are shown, be sure to use them when ordering parts.

Please file and use this manual together with the original service manual.

5.1. Electrical Replacement Parts List

5.1.1. SC-HC35P/PC-S

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C706	F2A2G1010017	F2A2D1010039	1/C	100uF 200V	CHANGE
C732	-	F1H1H151A792	5/C	150pF 50V	ADD
D708	B0HCMM000019	B0ECKP000055	1/C	DIODE	CHANGE
R723	D0GD390JA017	G1C100K00019	1/C	INDUCTOR	CHANGE
R724	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R726	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R732	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R743	D0GD273JA017	D0GD683JA017	1/C	68K 1/8W	CHANGE
R745	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R746	D0GD224JA017	B0ACCK000012	1/C	DIODE	CHANGE
R748	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
TH701	D4CAA5R10001	-	6/E	THERMISTOR	DELETE
IC701	C0DBZMC00006	-	6/E	IC	DELETE
IC702	-	C0DBEYY00070	5/C	IC	ADD

5.1.2. SC-HC35EG-K/S/W/R, EF/EP-K/S & SC-HC35GN-K/S/W/R

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C732	-	F1H1H151A792	5/C	150pF 50V	ADD
D708	B0HCMM000019	B0ECKP000055	1/C	DIODE	CHANGE
L703	G0B111H00003	-	6/E	LINE FILTER	DELETE
R723	D0GD390JA017	G1C100K00019	1/C	INDUCTOR	CHANGE
R724	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R726	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R732	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R743	D0GD273JA017	D0GD683JA017	1/C	68K 1/8W	CHANGE
R745	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R746	D0GD224JA017	B0ACCK000012	1/C	DIODE	CHANGE
R748	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
IC701	C0DBZMC00006	-	6/E	IC	DELETE
IC702	-	C0DBEYY00070	5/C	IC	ADD

Note : For SC-HC35GN-K/S/W/R, please refer to base model (SC-HC35EG-K)

5.1.3. SC-HC35DBEB-H/S/R

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C732	-	F1H1H151A792	5/C	150pF 50V	ADD
D708	B0HCMM000019	B0ECKP000055	1/C	DIODE	CHANGE
L703	G0B111H00003	-	6/E	LINE FILTER	DELETE
R723	D0GD390JA017	G1C100K00019	1/C	INDUCTOR	CHANGE
R724	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R726	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R732	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R743	D0GD273JA017	D0GD683JA017	1/C	68K 1/8W	CHANGE
R745	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
R746	D0GD224JA017	B0ACCK000012	1/C	DIODE	CHANGE
R748	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE
IC701	C0DBZMC00006	-	6/E	IC	DELETE
IC702	-	C0DBEYY00070	5/C	IC	ADD

5.1.4. SC-HC35GT-S, GS/GSX-S/K/W/R & SC-HC35GK-S

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C710	F1BAF1020020	F1BAF2220023	1/C	2200pF	CHANGE (GT) ▲
C727	F1BAF471A013	F1BAF1020020	1/C	1000pF	CHANGE (GT)
C728	F1BAF471A013	F1BAF1020020	1/C	1000pF	CHANGE (GT)

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C732	F1H1H560A230	F1H1H151A792	1/C	150pF 50V	CHANGE (GS/GSX/GT)
D708	B0HCMM000019	B0ECKP000055	1/C	DIODE	CHANGE
PCB10	REPX0917F	REPX0917H	1/C	SMPS P.C.B.	CHANGE (GT)
R718	ERX2SZJR10E	ERX2SZJR15E	1/C	0.15 2W	CHANGE (GS/GSX/GT)
R724	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R726	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R732	D0GD335JA017	D0GD106JA017	1/C	10M 1/8W	CHANGE (GT)
R732	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE (GK)
R743	D0GD683JA017	D0GD274JA017	1/C	270K 1/8W	CHANGE (GT)
R743	D0GD183JA017	D0GD683JA017	1/C	68K 1/8W	CHANGE (GK)
R745	D0GD335JA017	D0GD106JA017	1/C	10M 1/8W	CHANGE (GT)
R745	D0GD106JA017	D0GD335JA017	1/C	3.3K 1/8W	CHANGE (GK)
R746	B0ACCK000012	D0GD224JA017	1/C	220K 1/8W	CHANGE (GT)
R746	D0GD224JA017	B0ACCK000012	1/C	DIODE	CHANGE (GK)
R748	D0GD335JA017	D0GD106JA017	1/C	10M 1/8W	CHANGE (GT)
R748	D0GD106JA017	D0GD335JA017	1/C	3.3M 1/8W	CHANGE (GK)
IC701	C0DBZMC00006	-	6/E	IC	DELETE (GS/GSX/GT)
IC702	-	C0DBEYY00070	5/C	IC	ADD (GS/GSX/GT)

Note : For SC-HC35GK-S, please refer to base model (SC-HC35GS-S)

5.1.5. SC-HC35PU-S/W

Ref. No.	Original Part No.	New Part No.	Notes	New Part Name & Descriptions	Remarks
C732	F1H1H560A230	F1H1H151A792	1/C	150pF 50V	CHANGE
D708	B0HCMM000019	B0ECKP000055	1/C	DIODE	CHANGE
R718	ERX2SZJR10E	ERX2SZJR15E	1/C	0.15 2W	CHANGE
R724	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
R726	ERJ12YJ155U	ERJ12YJ155U	8/E	1.5M 1/2W	UPDATE ▲
IC701	C0DBZMC00006	-	6/E	IC	DELETE
IC702	-	C0DBEYY00070	5/C	IC	ADD

T.I No. ME2100121, ME2110315, ME2110774, ME2110833, MG2111037, MM2111133, MM2111173 (For Factory Reference only).

IPSG1106