

Service Manual

Compact Stereo System

Model No. **SC-HC25EF**

SC-HC25EG

SC-HC25GK

SC-HC25GN

SC-HC25GS

SC-HC25GSX

SC-HC25GT

SC-HC25P

SC-HC25PC

SC-HC25PU

Product Color: (K)...Black Type (For EG/GK/GN/GS/
GSX/GT/P/PC/PU)

(S)...Silver Type (For EF/EG)

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

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

Model No. SC-HC25P/PC-K Order No. PSG1102002CE

Model No. SC-HC25EG-K/S, EF-S Order No. PSG1103024CE

Model No. SC-HC25GN-K Order No. PSG1103027AE

Model No. SC-HC25GS/GSX/GT/PU-K Order No. PSG1104005CE

Model No. SC-HC25GK-K Order No. PSG1105008AE

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:-

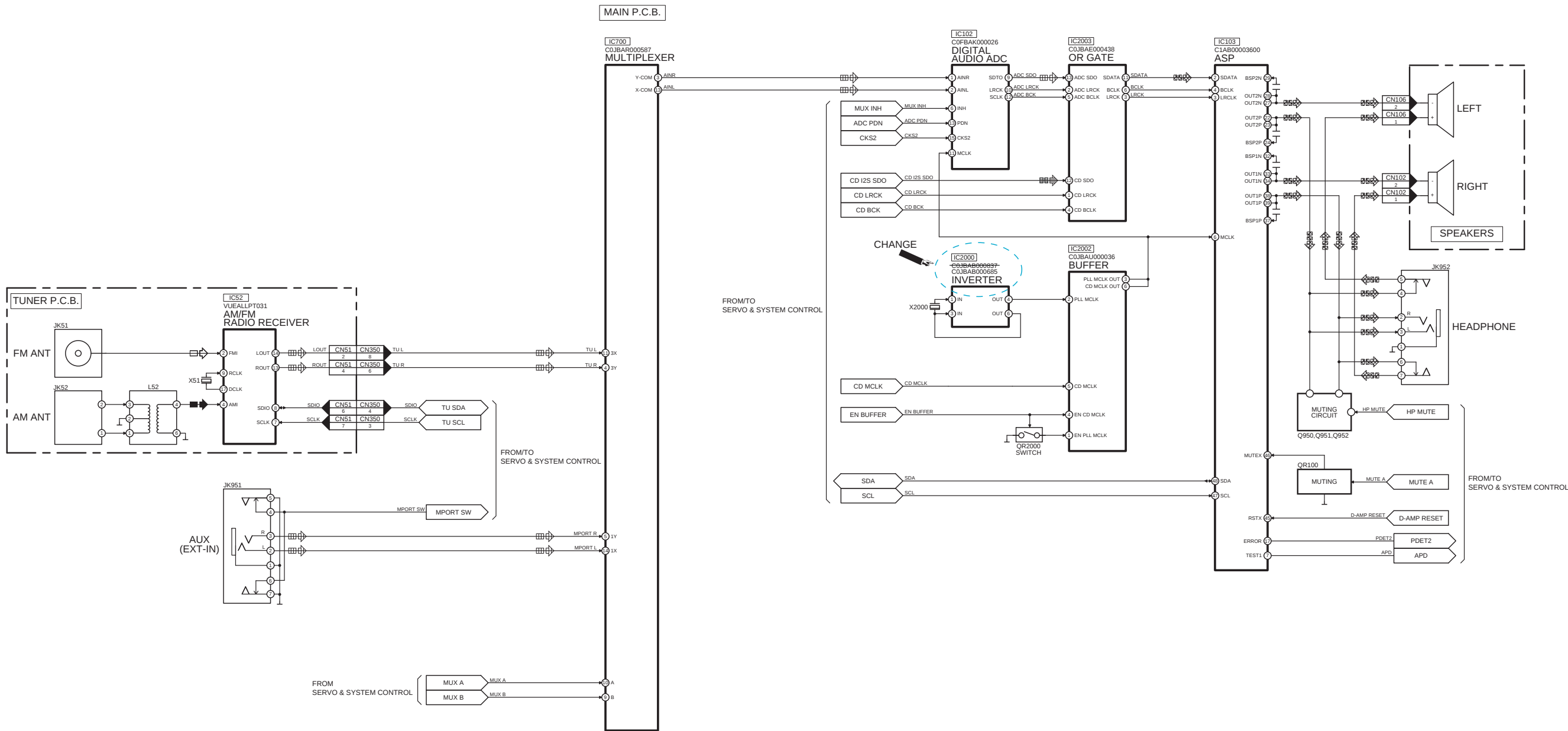
1. Update to Block Diagram.
 - (AUDIO BLOCK DIAGRAM (For SC-HC25P/PC-K, SC-HC25EG-K/S, EF-S, SC-HC25GN-K))
 - (POWER SUPPLY (1/2) BLOCK DIAGRAM (For SC-HC25P/PC-K, SC-HC25EG-K/S, EF-S, SC-HC25GN-K, SC-HC25GS/GSX/GT/PU-K))
 - (POWER SUPPLY (2/2) BLOCK DIAGRAM)
2. Update to Schematic Diagram.
 - (CD SERVO CIRCUIT)
 - (MAIN CIRCUIT)
 - (MAIN (iPod) CIRCUIT (For SC-HC25P/PC-K))
 - (MAIN (USB/iPod) CIRCUIT (For SC-HC25EG-K/S, EF-S, SC-HC25GN-K))
 - (iPhone CIRCUIT)
 - (Panel CIRCUIT (For SC-HC25P/PC-K))
 - (SMPS CIRCUIT)
3. Update to Printed Circuit Board.
 - (CD SERVO P.C.B.)
 - (MAIN P.C.B.)
 - (iPhone P.C.B.)
 - (Panel P.C.B. (For SC-HC25P/PC-K))
 - (SMPS P.C.B.)
4. Update to Exploded View.
5. Update to Replacement Parts List.

2 Block Diagram

2.1. AUDIO BLOCK DIAGRAM (For SC-HC25P/PC-K)

With reference to original service manual (section 13.3.) on page 89 for Model No. SC-HC25P/PC-K

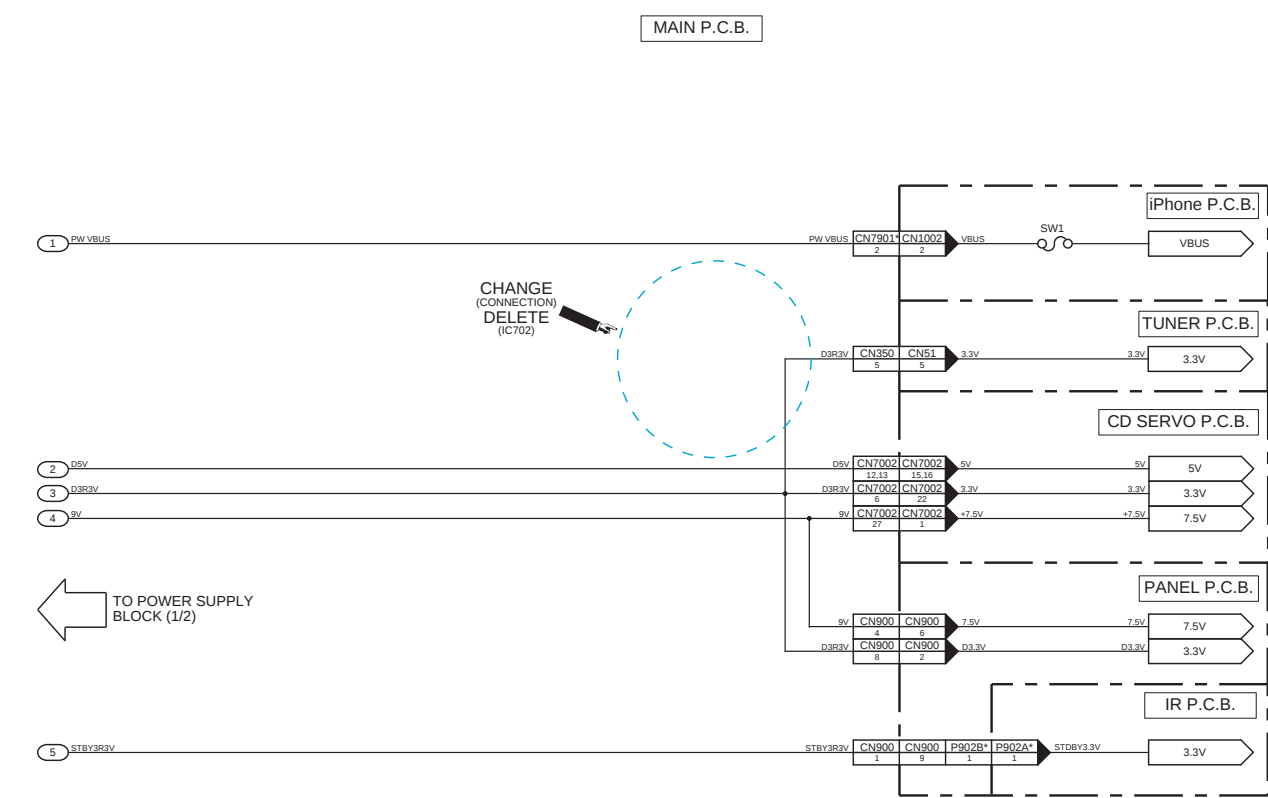
🔊: CD AUDIO INPUT SIGNAL LINE 📻: AUX/TUNER AUDIO INPUT SIGNAL LINE 🗣️: AUDIO OUTPUT SIGNAL LINE 📡: AM SIGNAL LINE 📻: FM SIGNAL LINE



SC-HC25P/PC AUDIO BLOCK DIAGRAM

2.3. POWER SUPPLY (2/2) BLOCK DIAGRAM (For SC-HC25P/PC-K)

With reference to original service manual (section 13.5.) on page 91 for Model No. SC-HC25P/PC-K



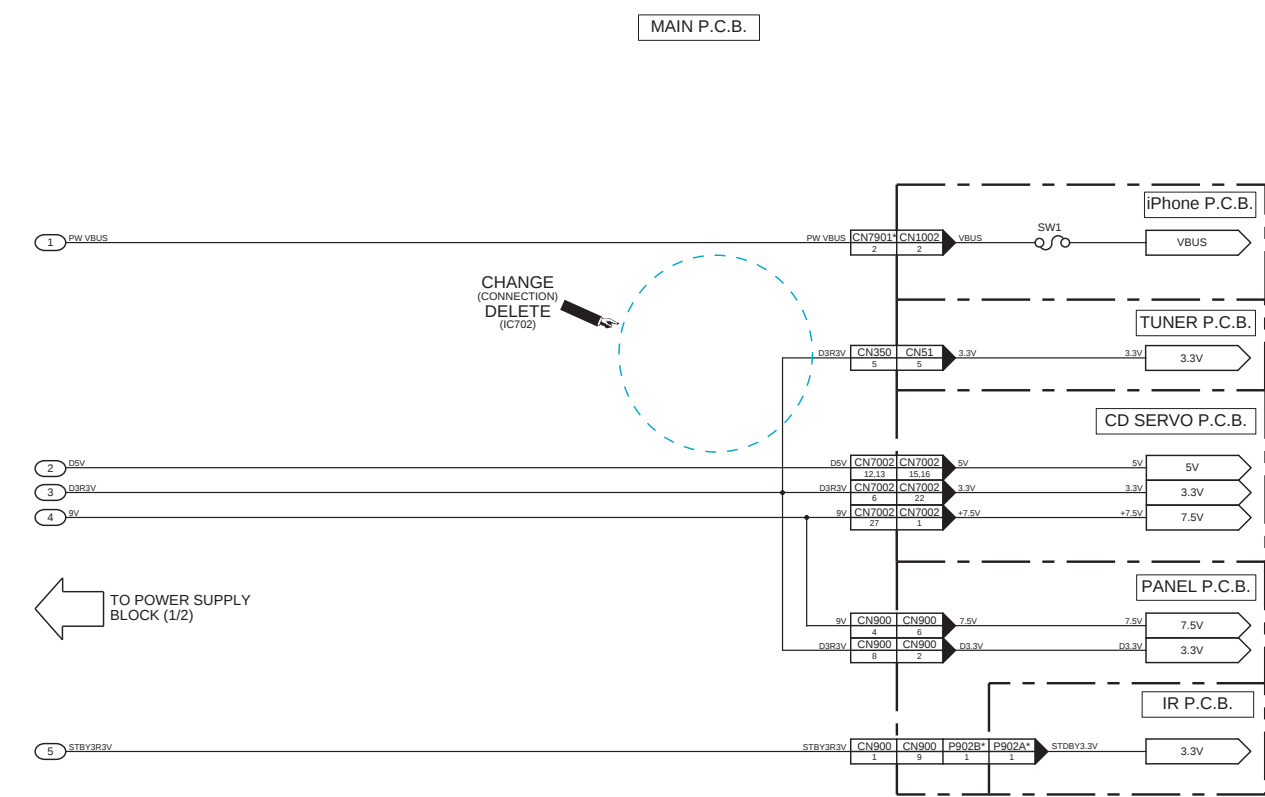
NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HC25P/PC POWER SUPPLY (2/2) BLOCK DIAGRAM

2.6. POWER SUPPLY (2/2) BLOCK DIAGRAM (For SC-HC25EG-K/S, EF-S, SC-HC25GN-K)

With reference to original service manual (section 13.5.) on page 91 for Model No. SC-HC25EG-K/S, EF-S

With reference to SC-HC25EG-K/S, EF-S service manual (section 13.5.) on page 91 for Model No. SC-HC25GN-K



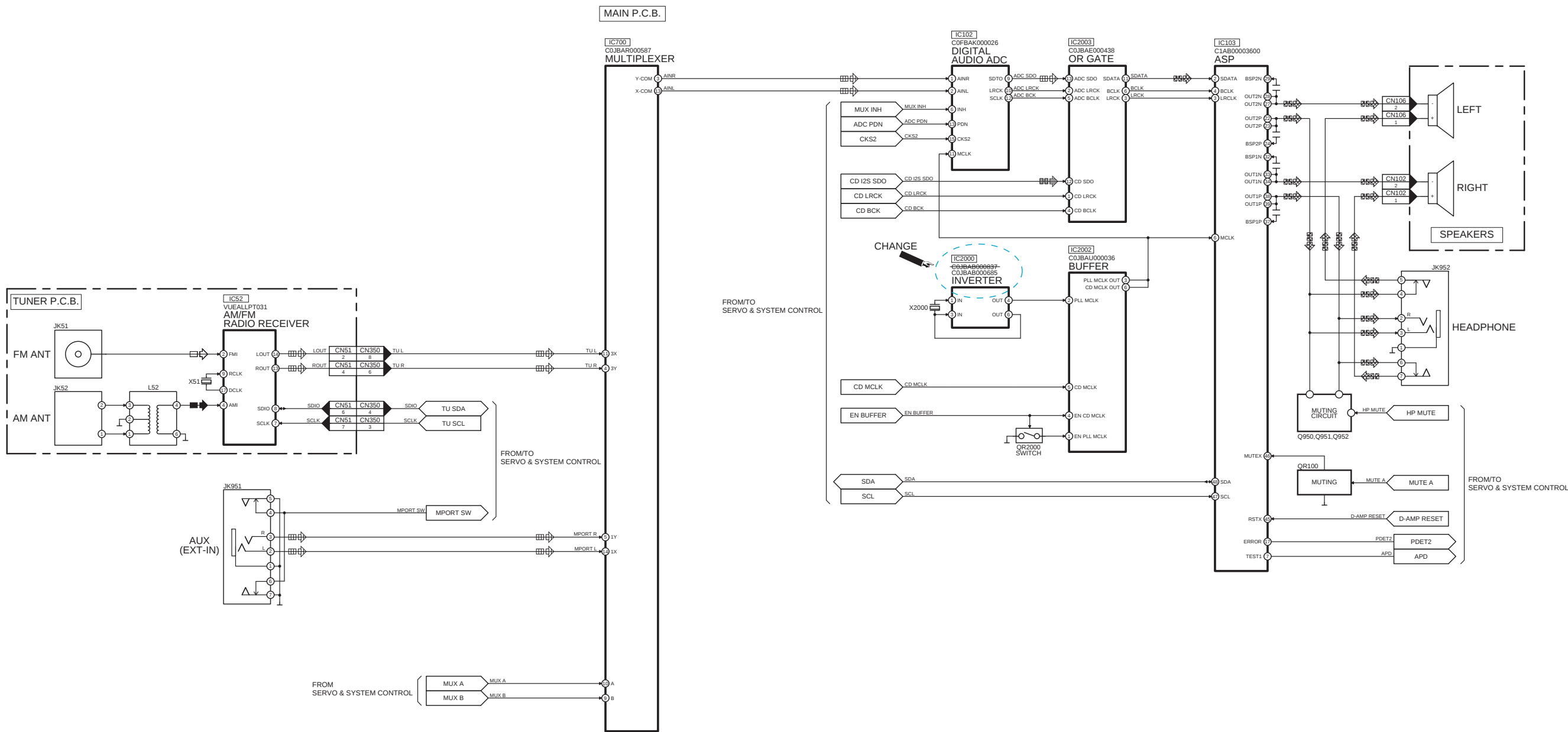
NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HC25EF/EG POWER SUPPLY (2/2) BLOCK DIAGRAM

2.7. AUDIO BLOCK DIAGRAM (For SC-HC25GN-K)

With reference to original service manual (section 6.1.) on page 13 for Model No. SC-HC25GN-K

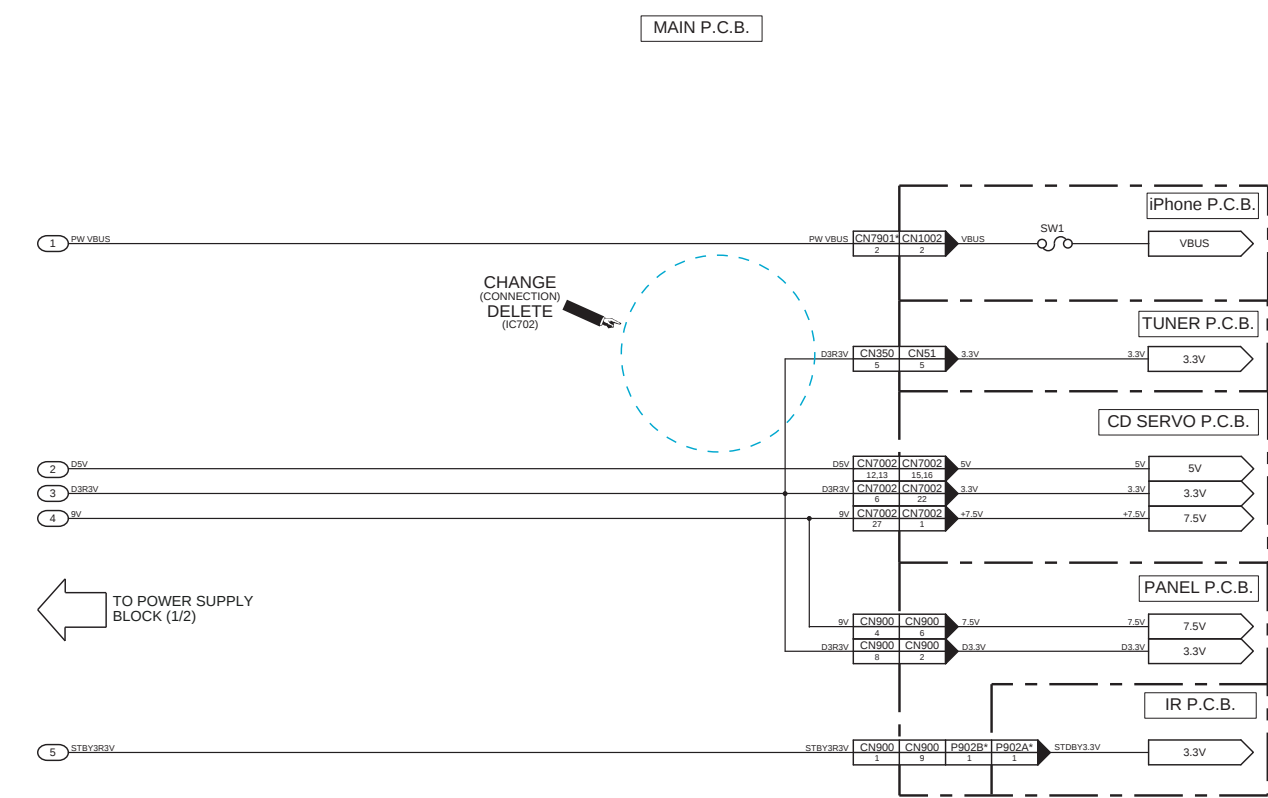
 : CD AUDIO INPUT SIGNAL LINE
  : AUX/TUNER AUDIO INPUT SIGNAL LINE
  : AUDIO OUTPUT SIGNAL LINE
  : AM SIGNAL LINE
  : FM SIGNAL LINE



SC-HC25GN AUDIO BLOCK DIAGRAM

2.9. POWER SUPPLY (2/2) BLOCK DIAGRAM (For SC-HC25GS/GSX/GT/PU-K)

With reference to original service manual (section 13.5.) on page 93 for Model No. SC-HC25GS/GSX/GT/PU-K

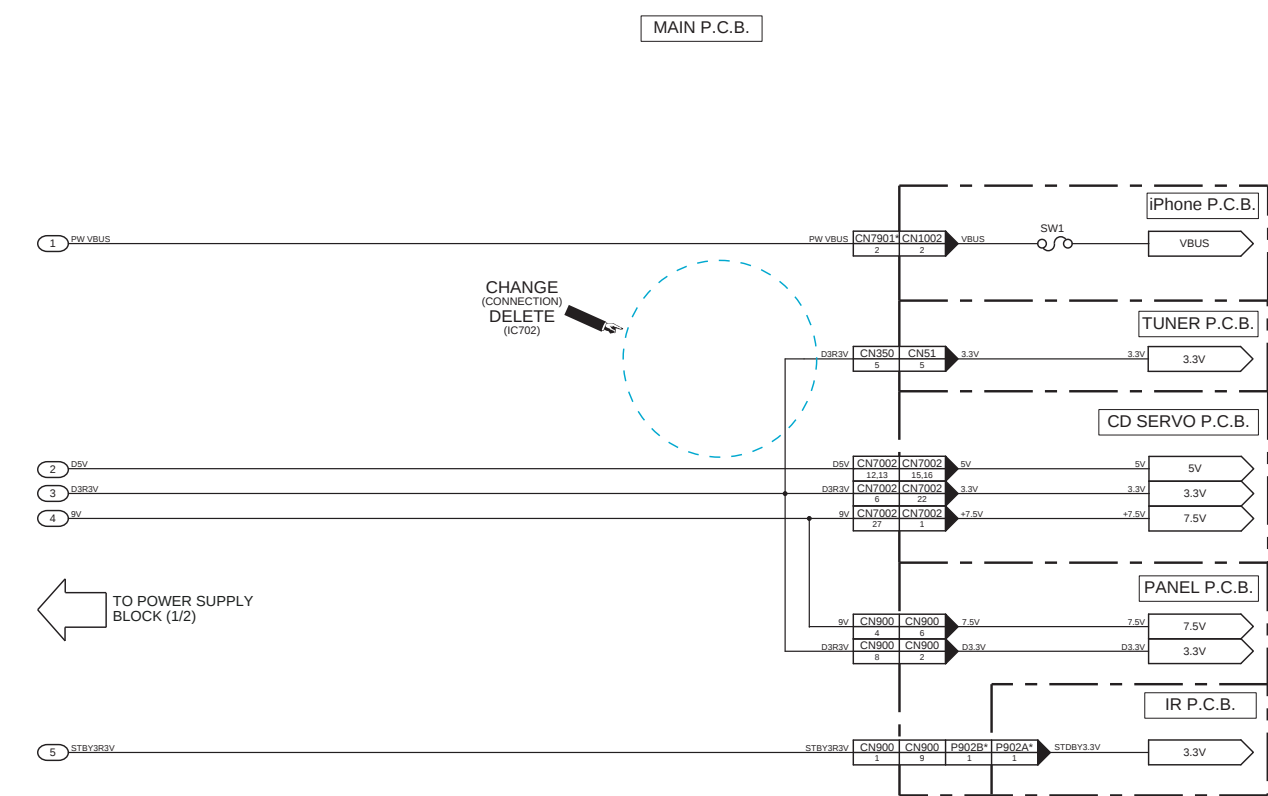


NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HC25GS/GSX/GT/PU POWER SUPPLY (2/2) BLOCK DIAGRAM

2.11. POWER SUPPLY (2/2) BLOCK DIAGRAM (For SC-HC25GK-K)

With reference to original service manual (section 6.2.) on page 14 for Model No. SC-HC25GK-K

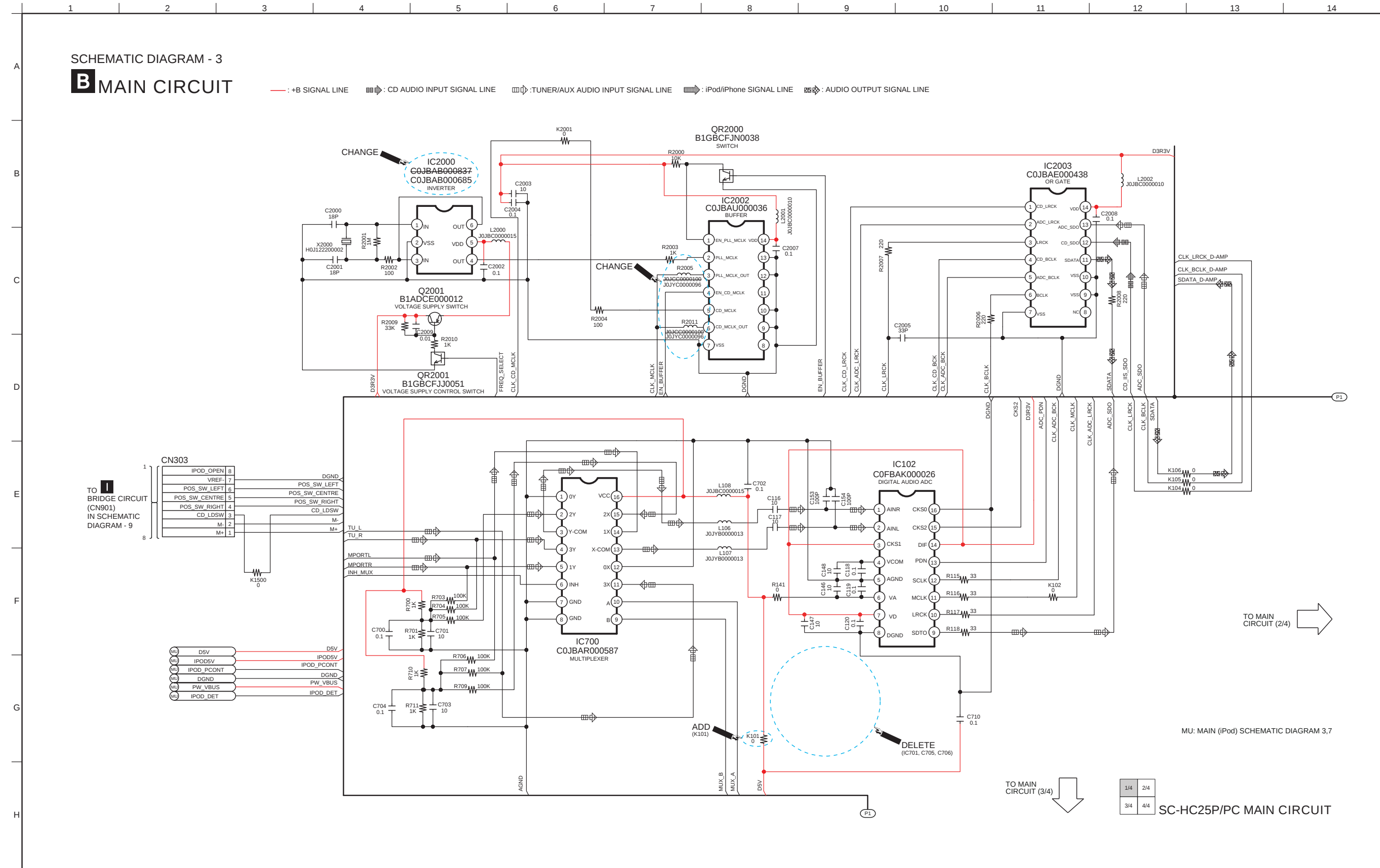


NOTE: “ * ” REF IS FOR INDICATION ONLY

SC-HC25GK POWER SUPPLY (2/2) BLOCK DIAGRAM

3.2. MAIN CIRCUIT (1/4) (For SC-HC25P/PC-K)

With reference to original service manual (section 15.4.) on page 97 for Model No. SC-HC25P/PC-K



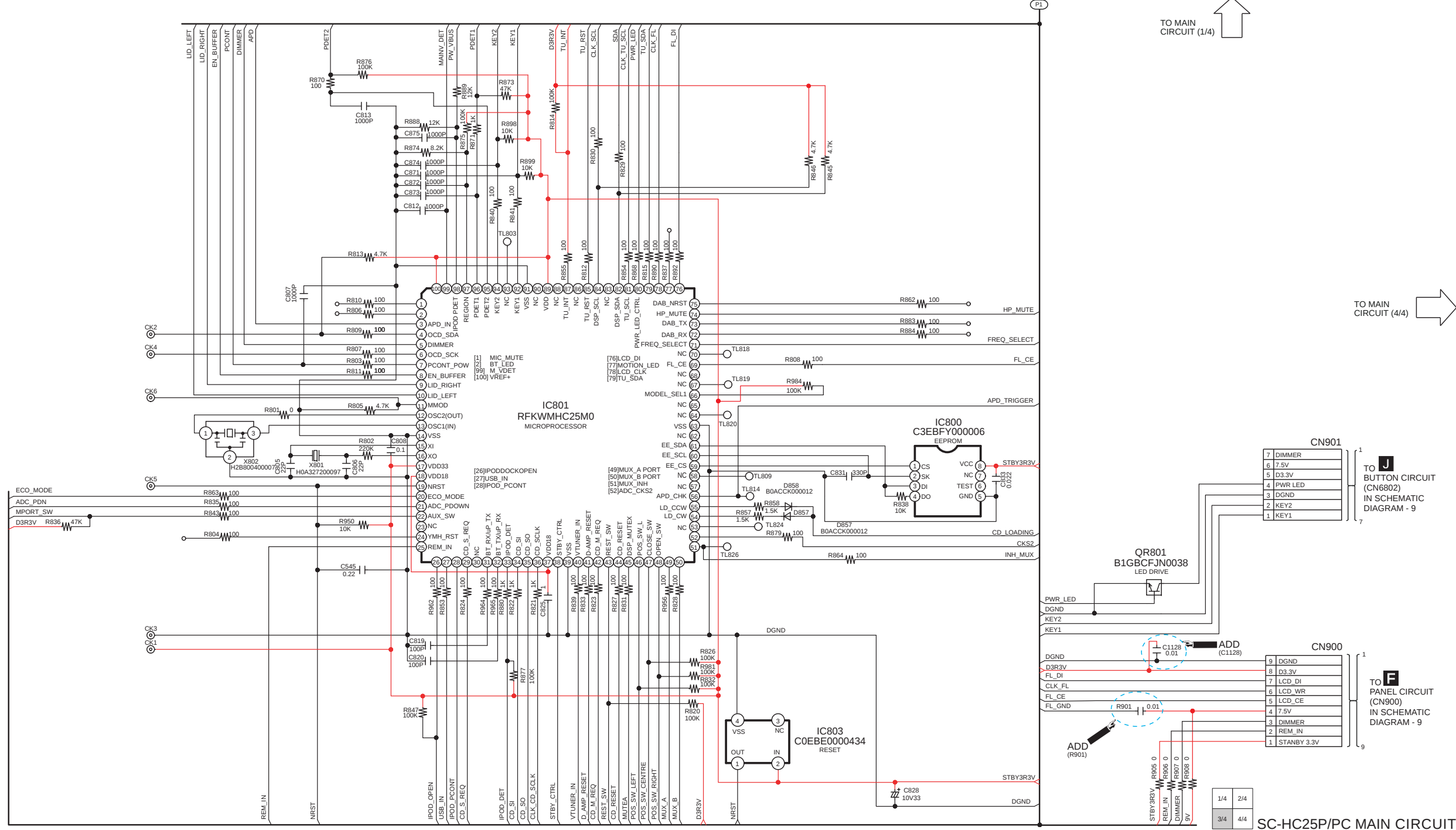
3.4. MAIN CIRCUIT (3/4) (For SC-HC25P/PC-K)

With reference to original service manual (section 15.6.) on page 99 for Model No. SC-HC25P/PC-K

SCHEMATIC DIAGRAM - 5

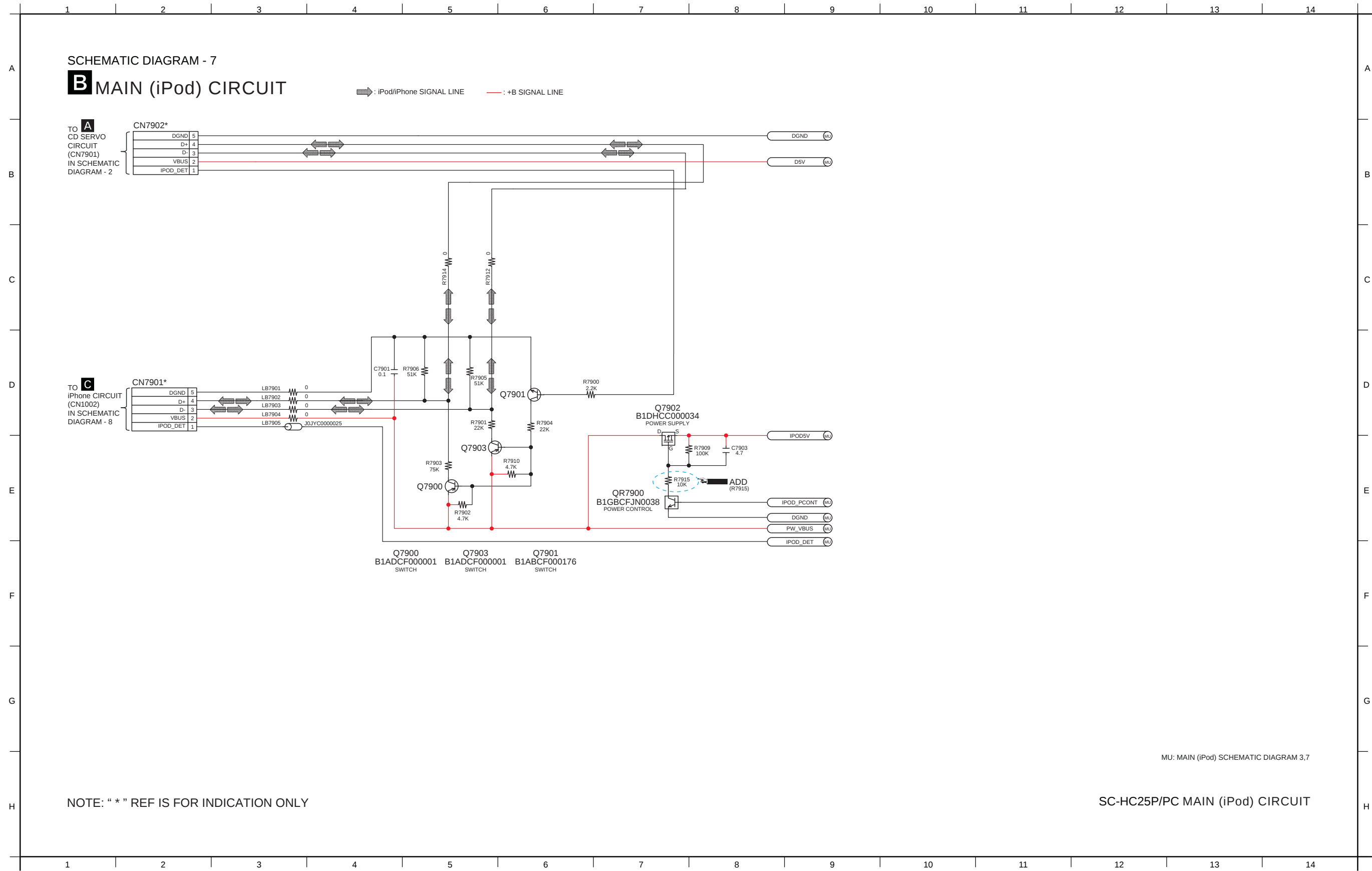
B MAIN CIRCUIT

— : +B SIGNAL LINE : CD AUDIO INPUT SIGNAL LINE : TUNER/AUX AUDIO INPUT SIGNAL LINE : iPod/Phone SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



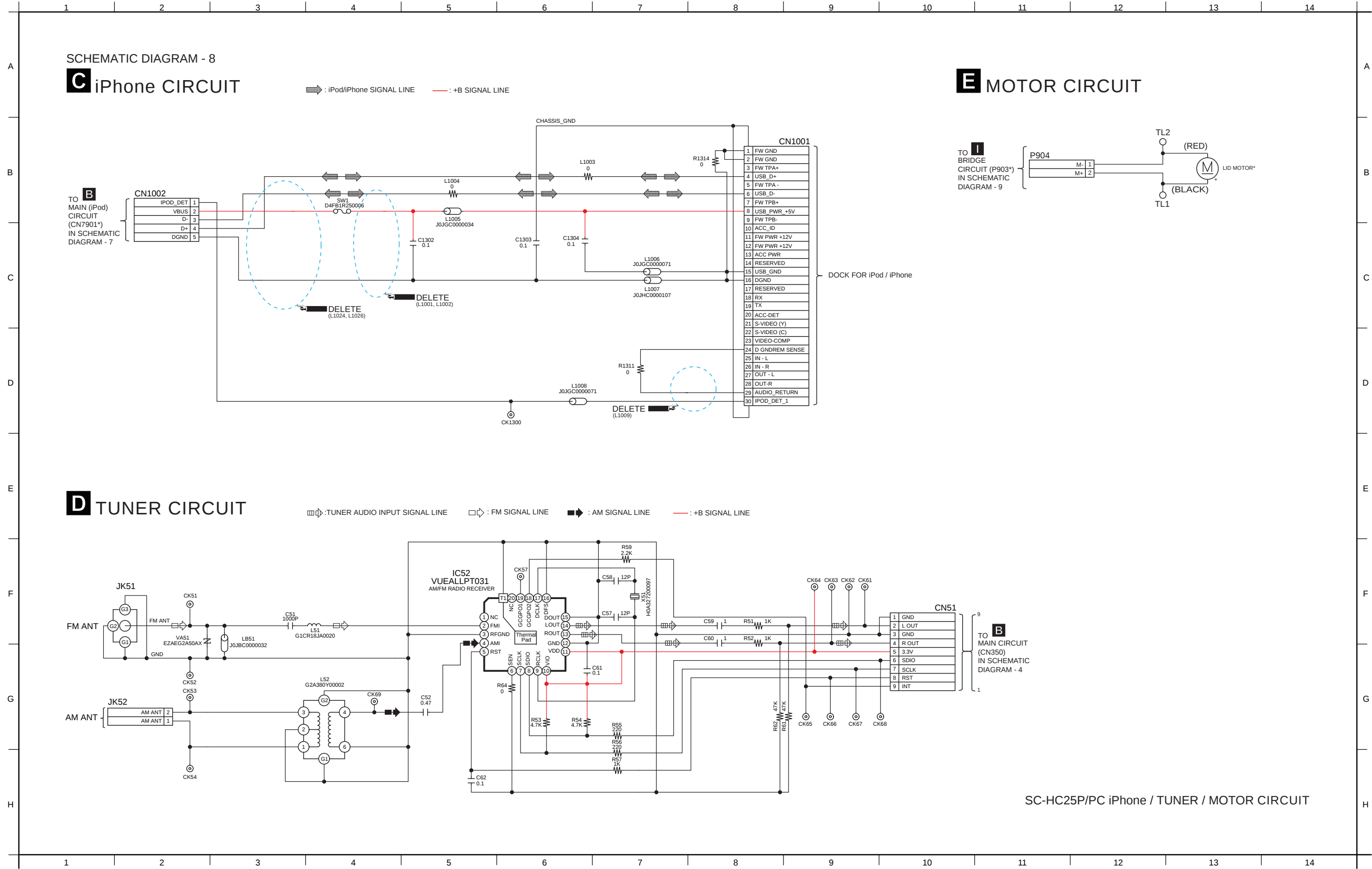
3.6. MAIN (iPod) CIRCUIT (For SC-HC25P/PC-K)

With reference to original service manual (section 15.8.) on page 101 for Model No. SC-HC25P/PC-K



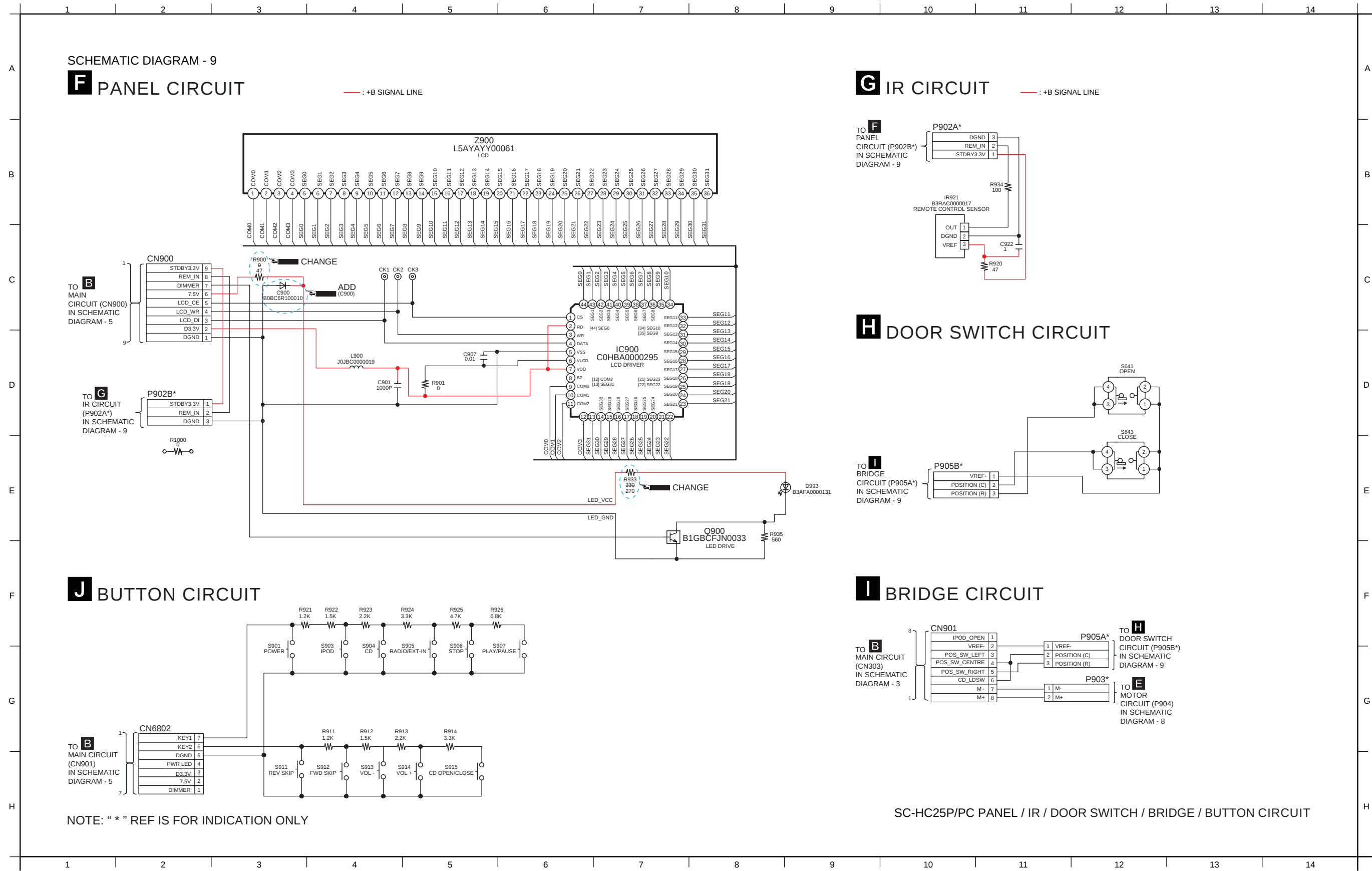
3.7. iPhone, TUNER & MOTOR CIRCUIT (For SC-HC25P/PC-K)

With reference to original service manual (section 15.9.) on page 102 for Model No. SC-HC25P/PC-K



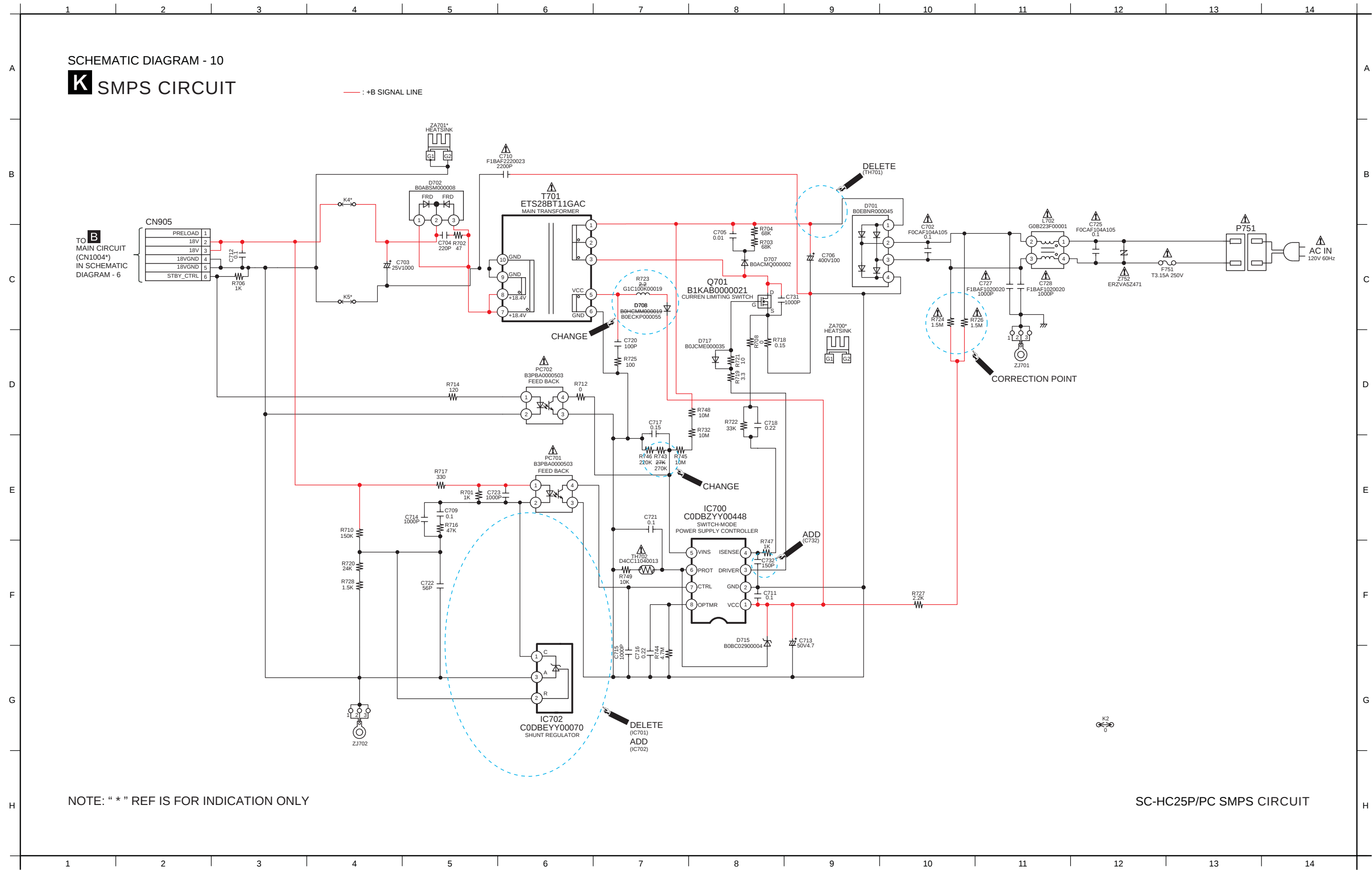
3.8. PANEL, IR, DOOR SWITCH, BRIDGE & BUTTON CIRCUIT (For SC-HC25P/PC-K)

With reference to original service manual (section 15.10.) on page 103 for Model No. SC-HC25P/PC-K



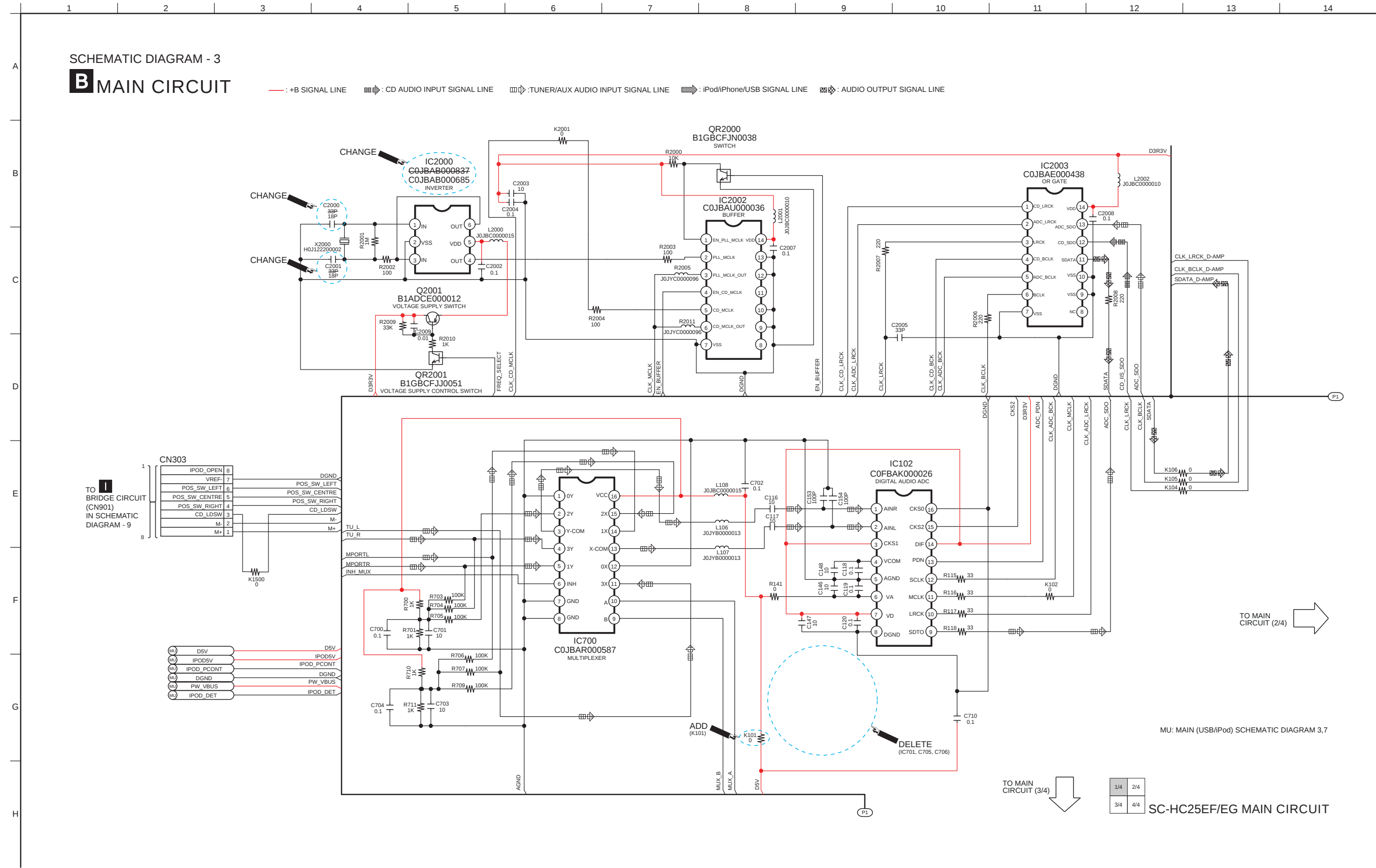
3.9. SMPS CIRCUIT (For SC-HC25P/PC-K)

With reference to original service manual (section 15.11.) on page 104 for Model No. SC-HC25P/PC-K



3.11. MAIN CIRCUIT (1/4) (For SC-HC25EG-K/S, EF-S)

With reference to original service manual (section 15.4.) on page 97 for Model No. SC-HC25EG-K/S, EF-S



3.13. MAIN CIRCUIT (3/4) (For SC-HC25EG-K/S, EF-S)

With reference to original service manual (section 15.6.) on page 99 for Model No. SC-HC25EG-K/S, EF-S

SCHEMATIC DIAGRAM - 5

B MAIN CIRCUIT

— +B SIGNAL LINE CD AUDIO INPUT SIGNAL LINE TUNER/AUX AUDIO INPUT SIGNAL LINE iPod/iPhone/USB SIGNAL LINE AUDIO OUTPUT SIGNAL LINE

TO MAIN
CIRCUIT (1/4)

TO MAIN
CIRCUIT (4/4)

TO J
BUTTON CIRCUIT
(CN6802)
IN SCHEMATIC
DIAGRAM - 9

TO F
PANEL CIRCUIT
(CN900)
IN SCHEMATIC
DIAGRAM - 9

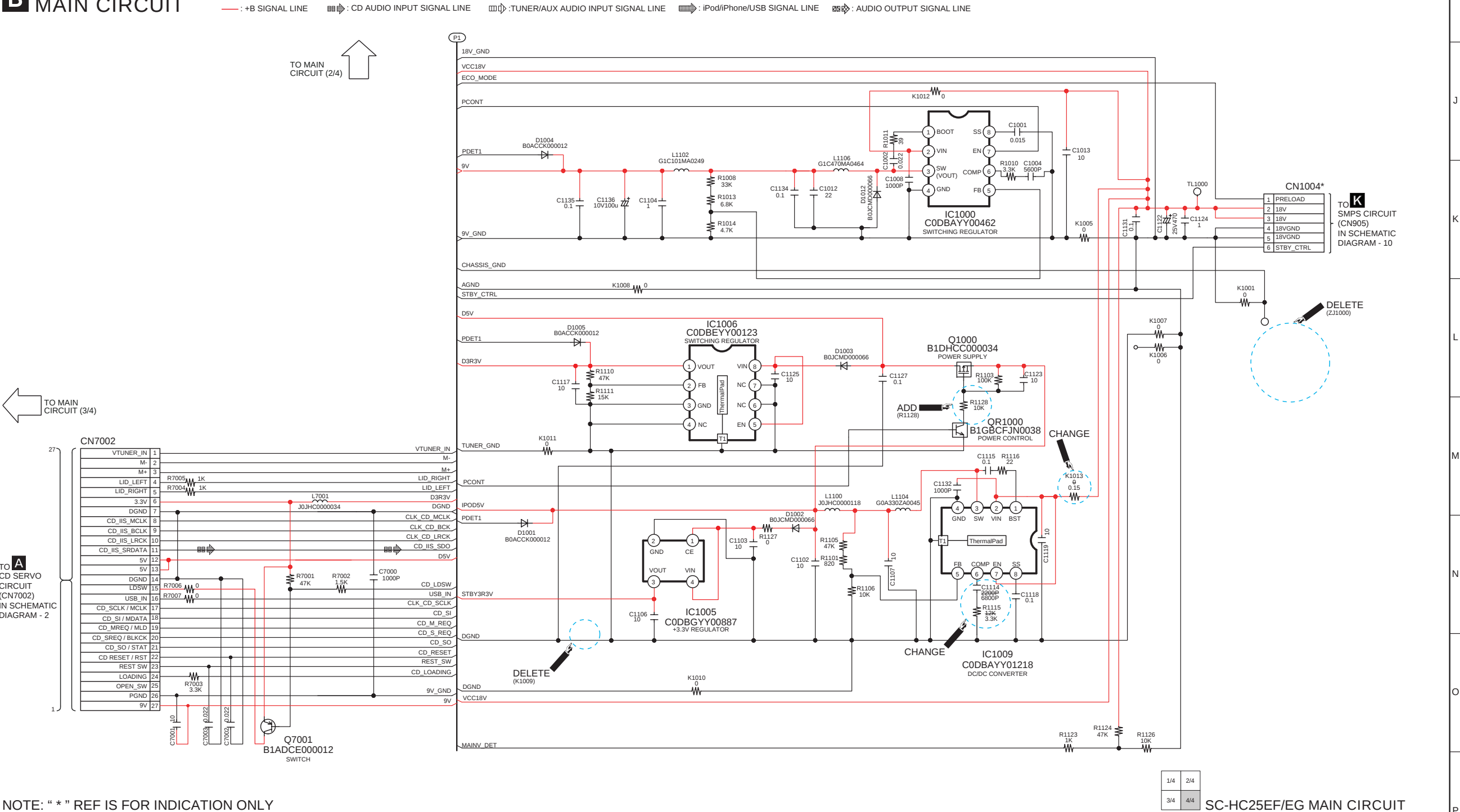
SC-HC25EF/EG MAIN CIRCUIT

3.14. MAIN CIRCUIT (4/4) (For SC-HC25EG-K/S, EF-S)

With reference to original service manual (section 15.7.) on page 100 for Model No. SC-HC25EG-K/S, EF-S

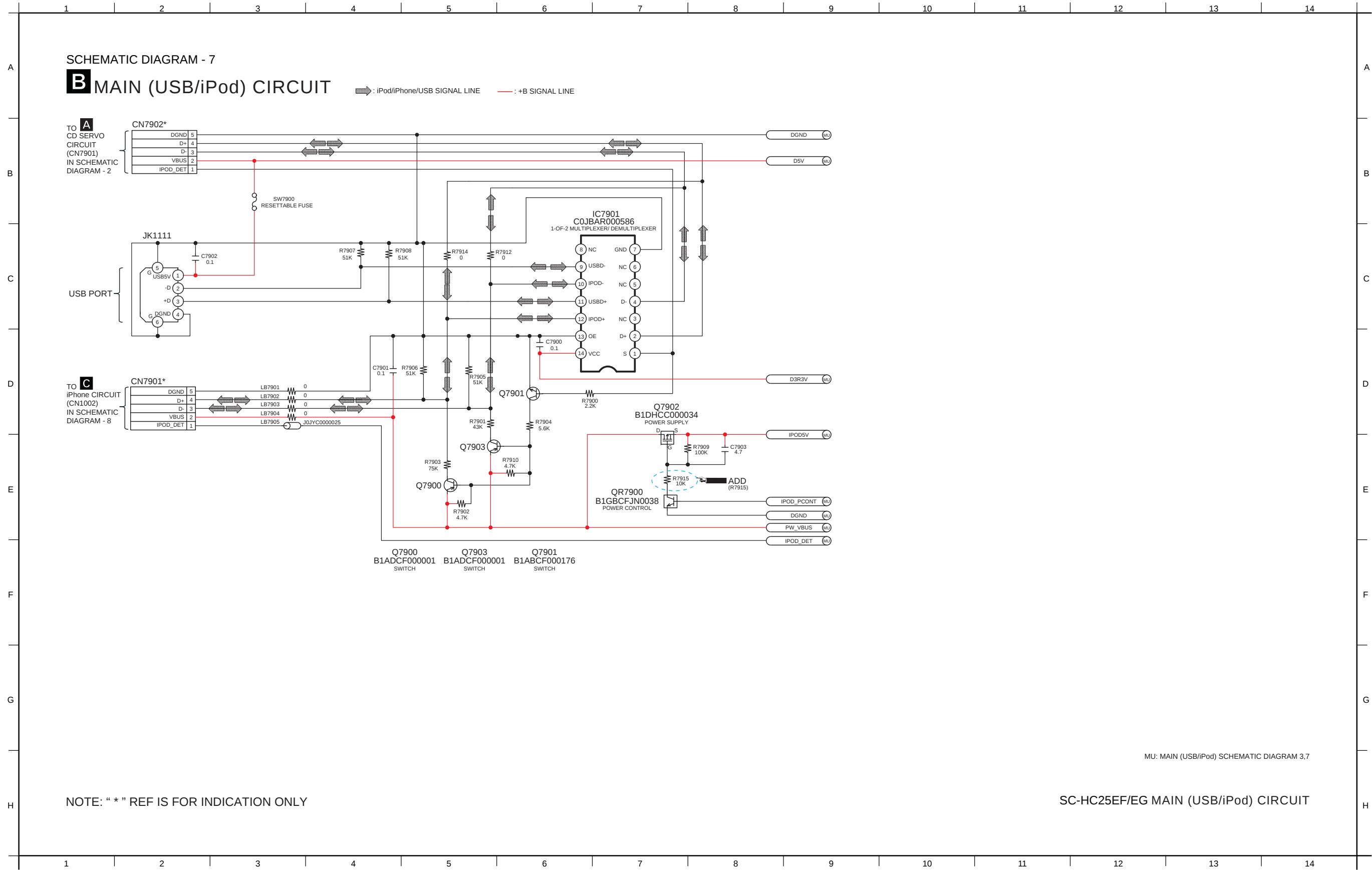
SCHEMATIC DIAGRAM - 6

B MAIN CIRCUIT



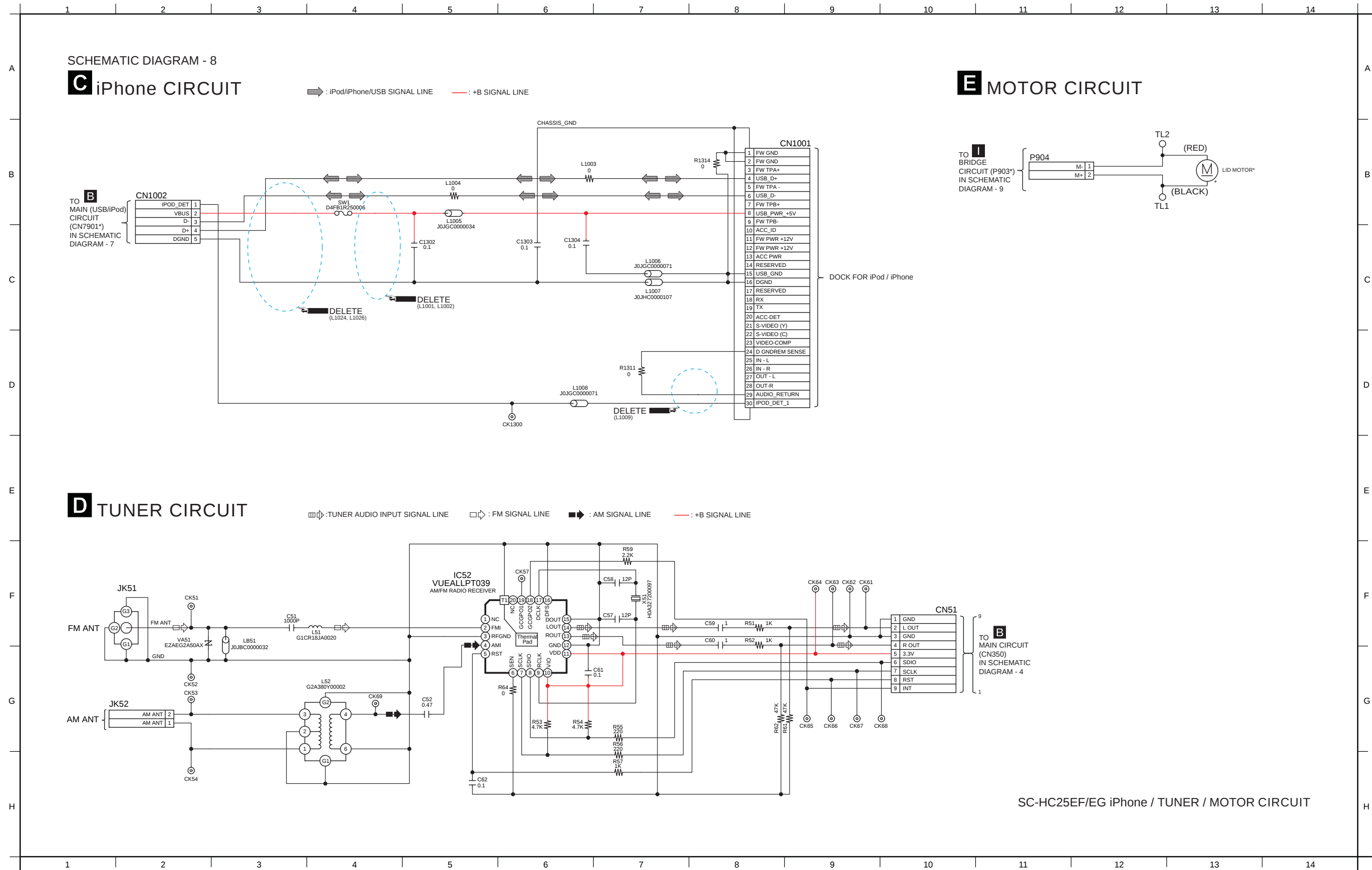
3.15. MAIN (USB/iPod) CIRCUIT (For SC-HC25EG-K/S, EF-S)

With reference to original service manual (section 15.8.) on page 101 for Model No. SC-HC25EG-K/S, EF-S



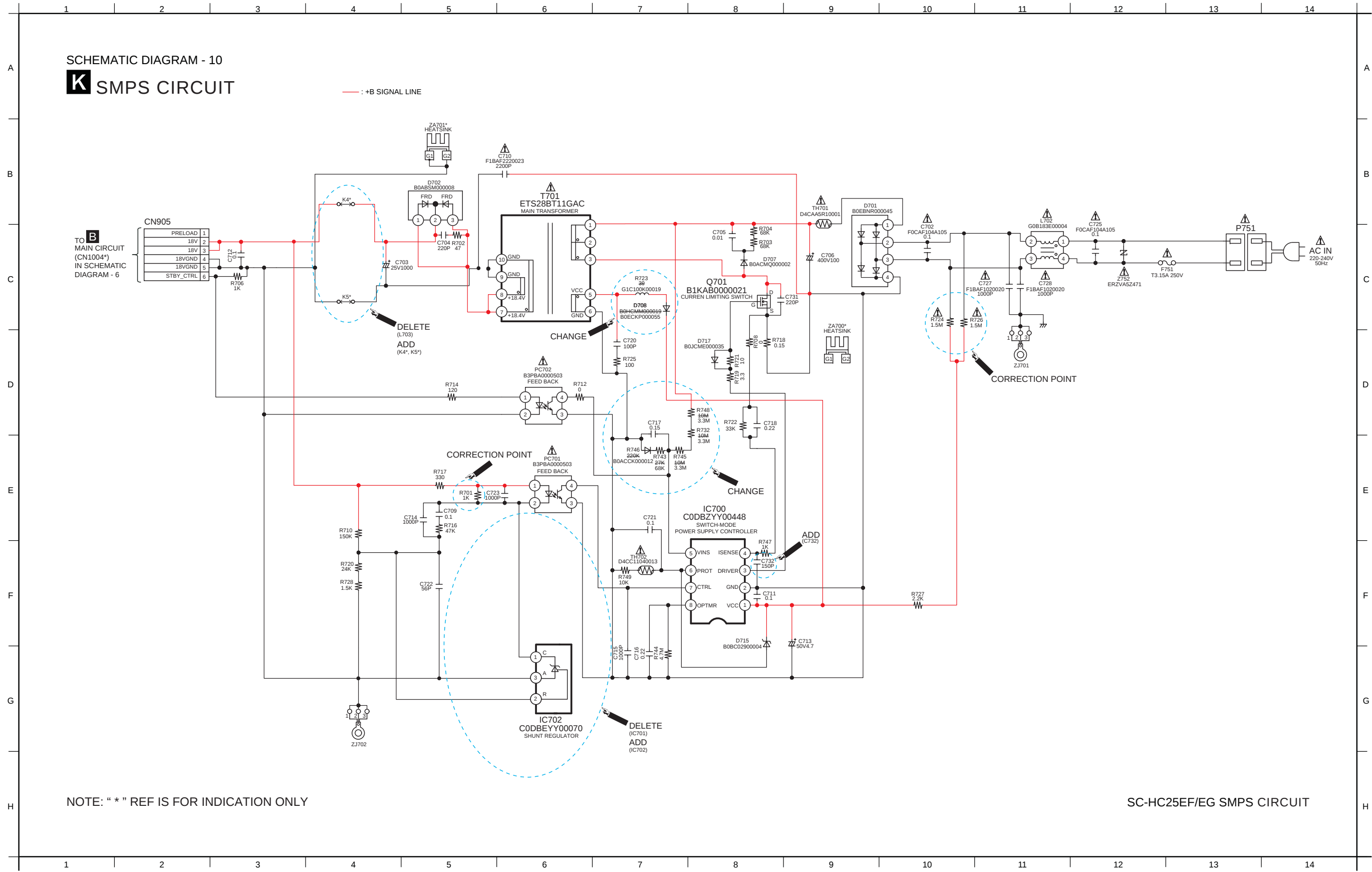
3.16. iPhone, TUNER & MOTOR CIRCUIT (For SC-HC25EG-K/S, EF-S)

With reference to original service manual (section 15.9.) on page 102 for Model No. SC-HC25EG-K/S, EF-S



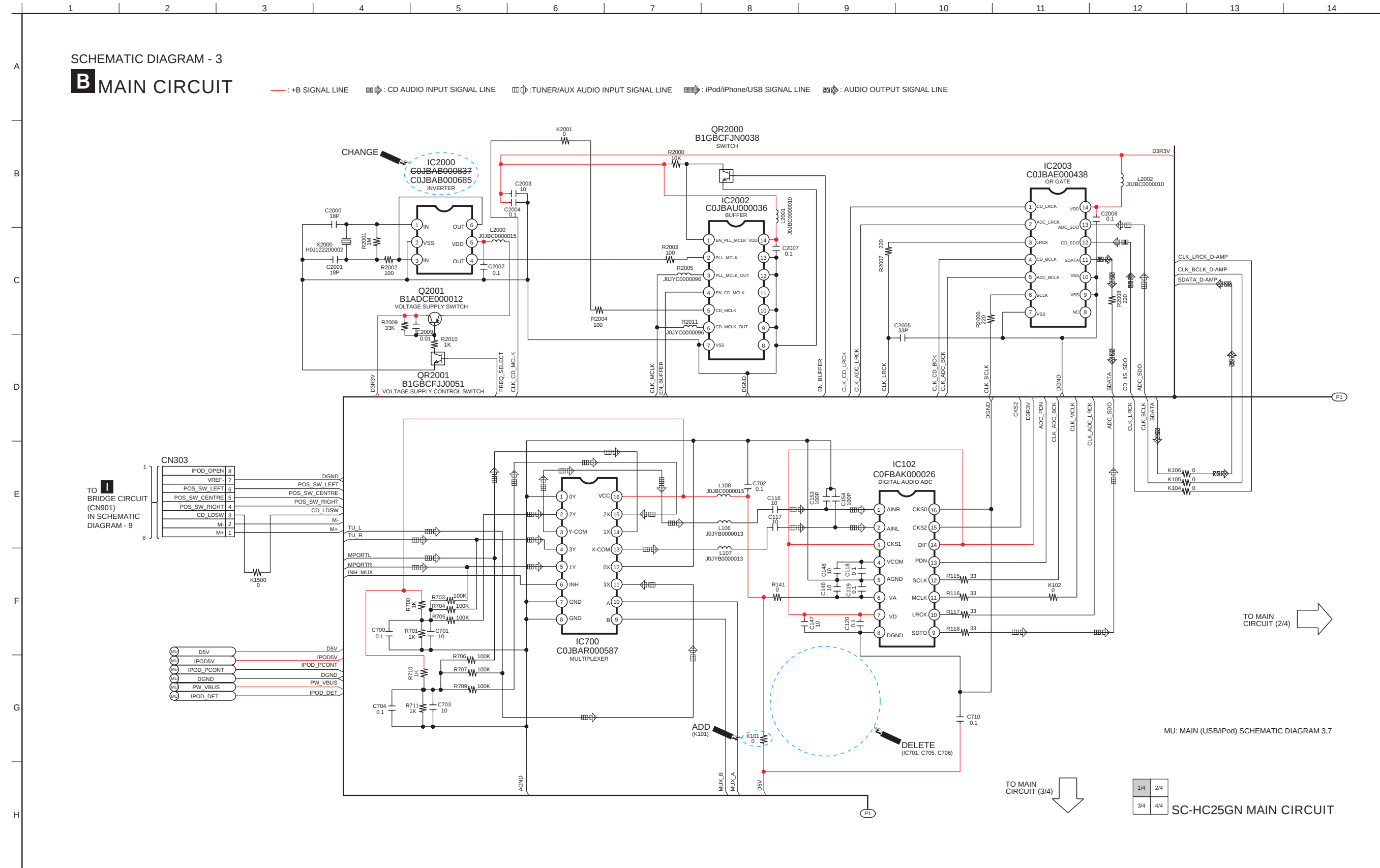
3.17. SMPS CIRCUIT (For SC-HC25EG-K/S, EF-S, SC-HC25GN-K)

With reference to original service manual (section 15.11.) on page 104 for Model No. SC-HC25EG-K/S, EF-S
With reference to SC-HC25EG-K/S, EF-S service manual (section 15.11.) on page 104 for Model No. SC-HC25GN-K



3.18. MAIN CIRCUIT (1/4) (For SC-HC25GN-K)

With reference to original service manual (section 7.1.) on page 14 for Model No. SC-HC25GN-K

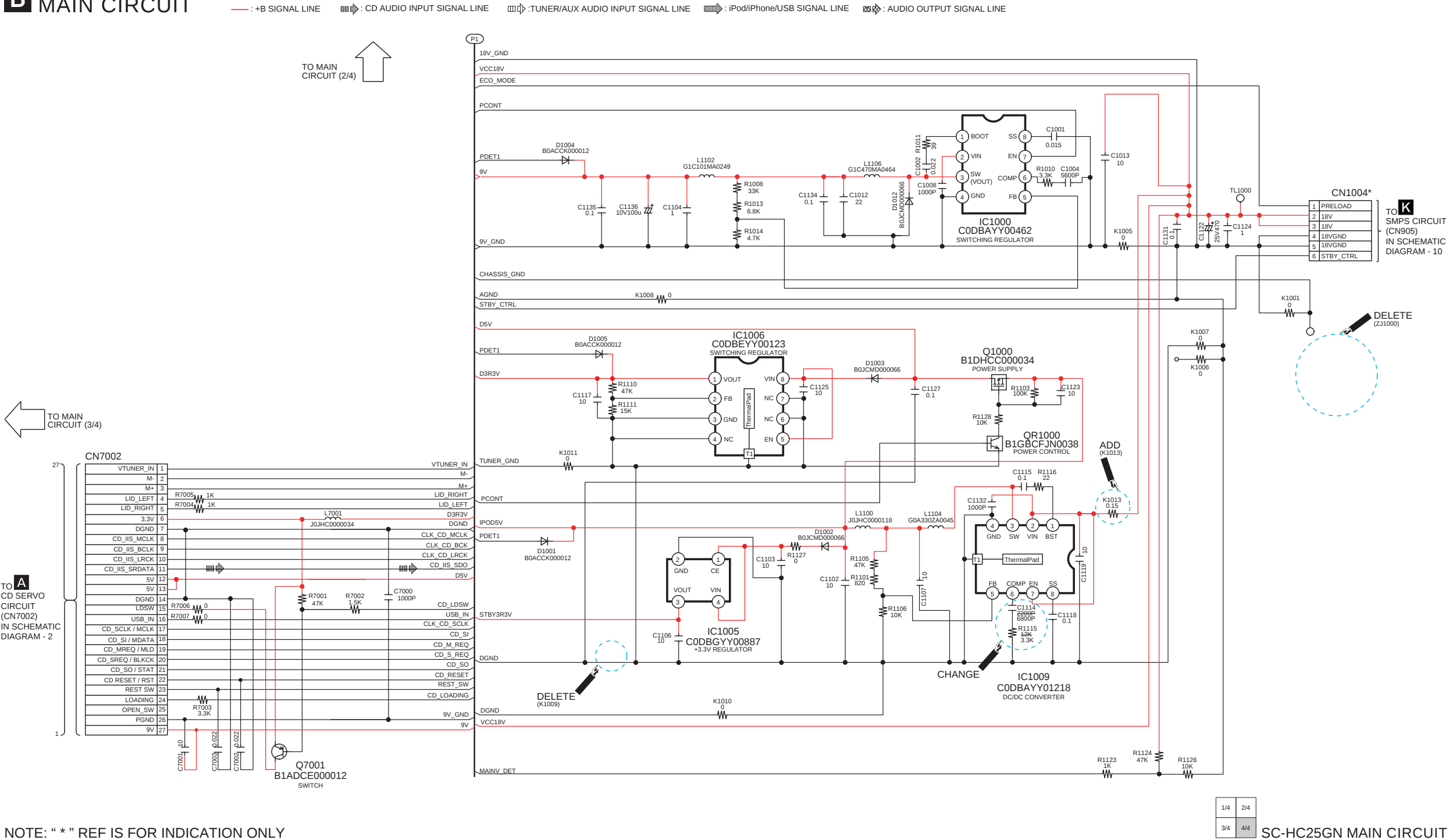


3.21. MAIN CIRCUIT (4/4) (For SC-HC25GN-K)

With reference to original service manual (section 7.4.) on page 17 for Model No. SC-HC25GN-K

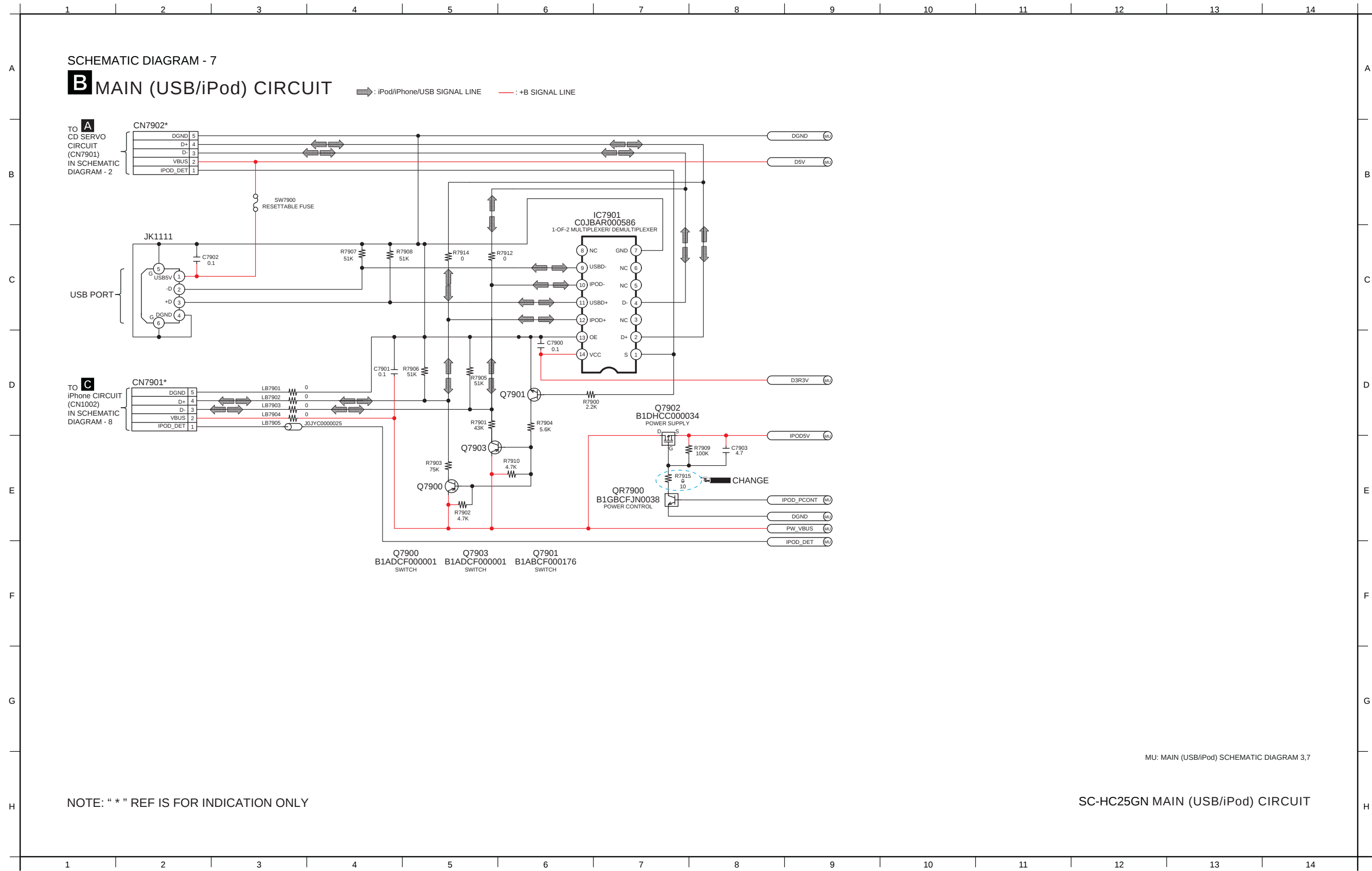
SCHEMATIC DIAGRAM - 6

B MAIN CIRCUIT



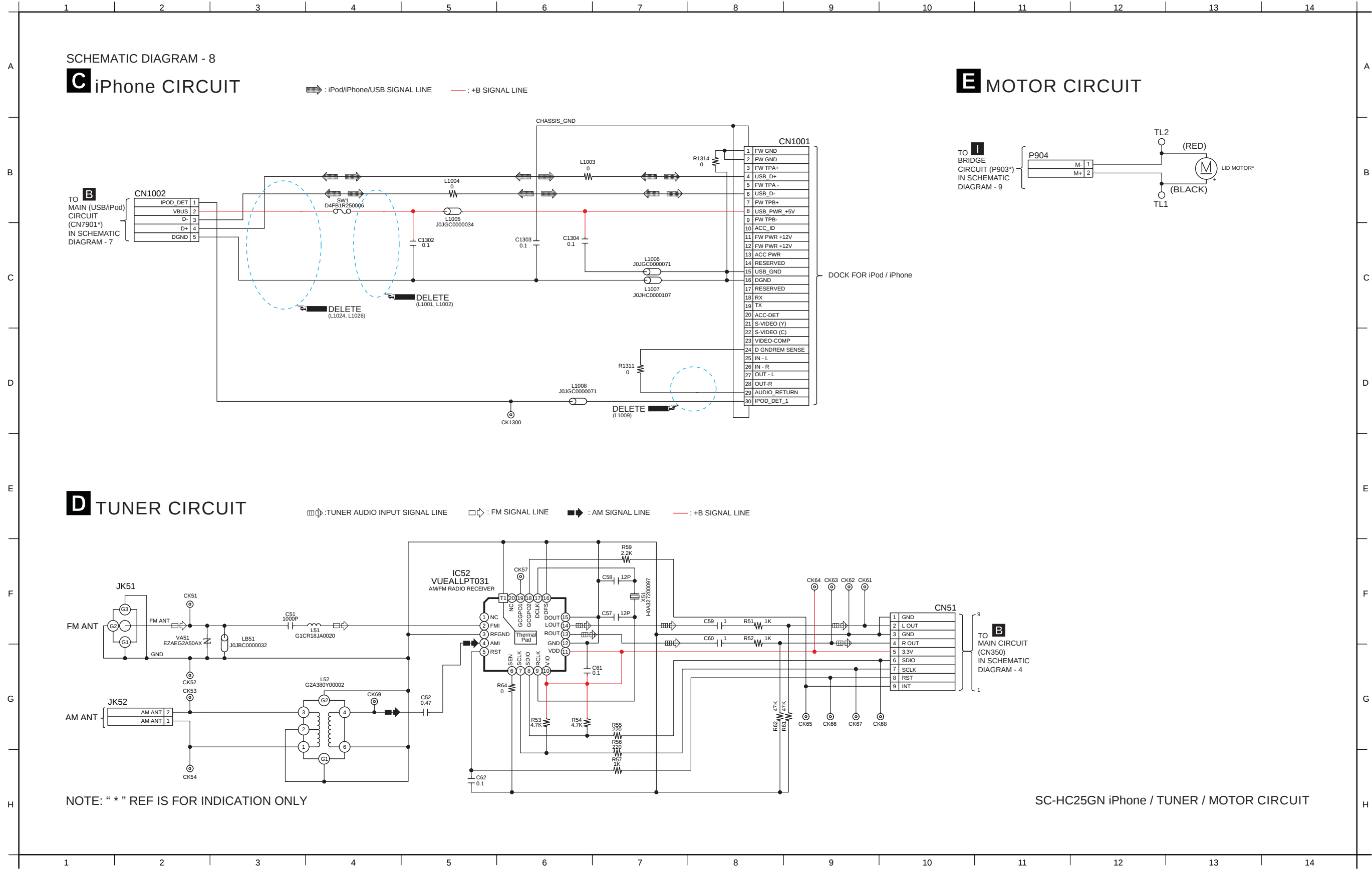
3.22. MAIN (USB/iPod) CIRCUIT (For SC-HC25GN-K)

With reference to original service manual (section 7.5.) on page 18 for Model No. SC-HC25GN-K



3.23. iPhone, TUNER & MOTOR CIRCUIT (For SC-HC25GN-K)

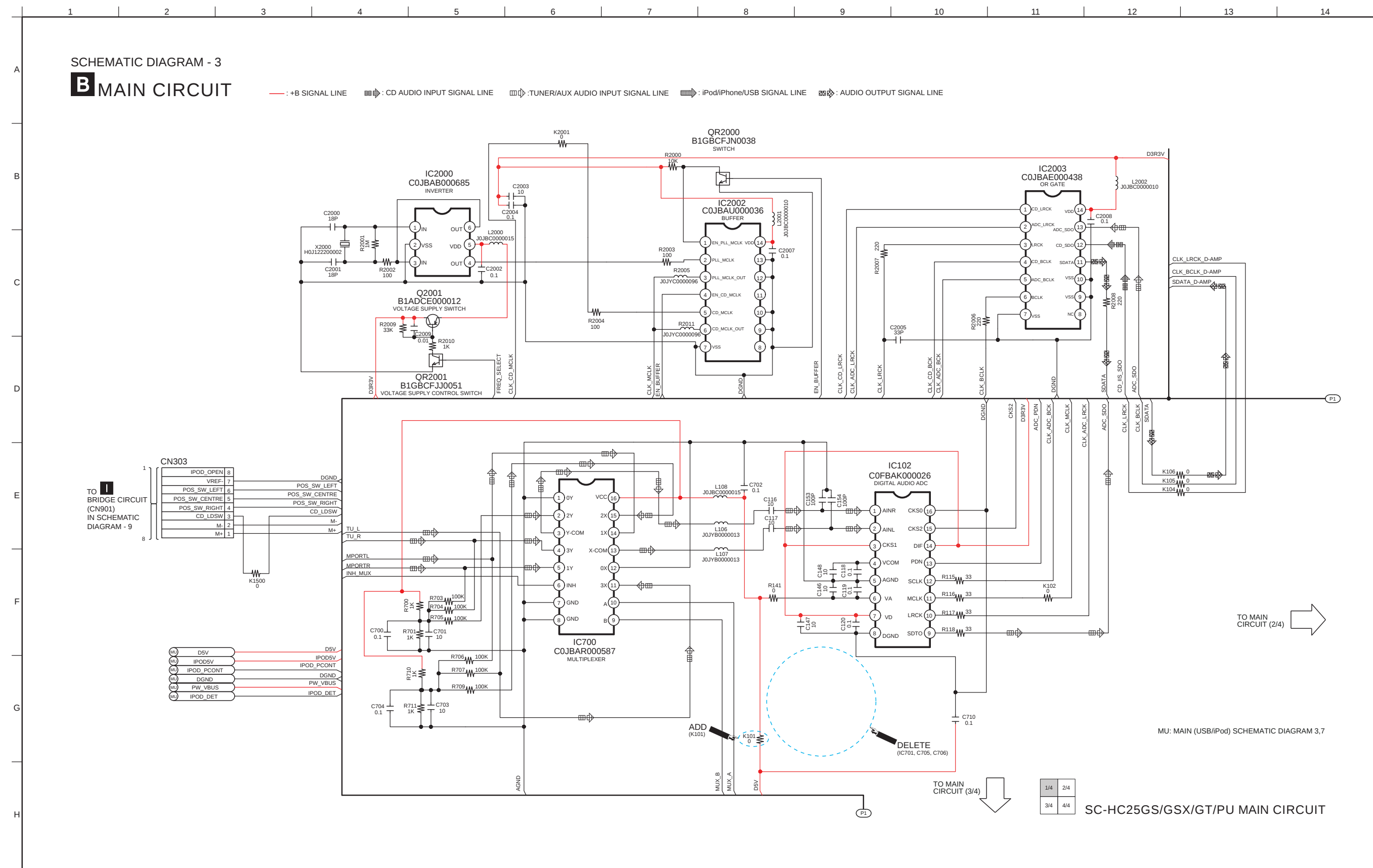
With reference to original service manual (section 7.6.) on page 19 for Model No. SC-HC25GN-K



3.25. MAIN CIRCUIT (1/4) (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

With reference to original service manual (section 15.4.) on page 99 for Model No. SC-HC25GS/GSX/GT/PU-K

With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 15.4.) on page 99 for Model No. SC-HC25GK-K



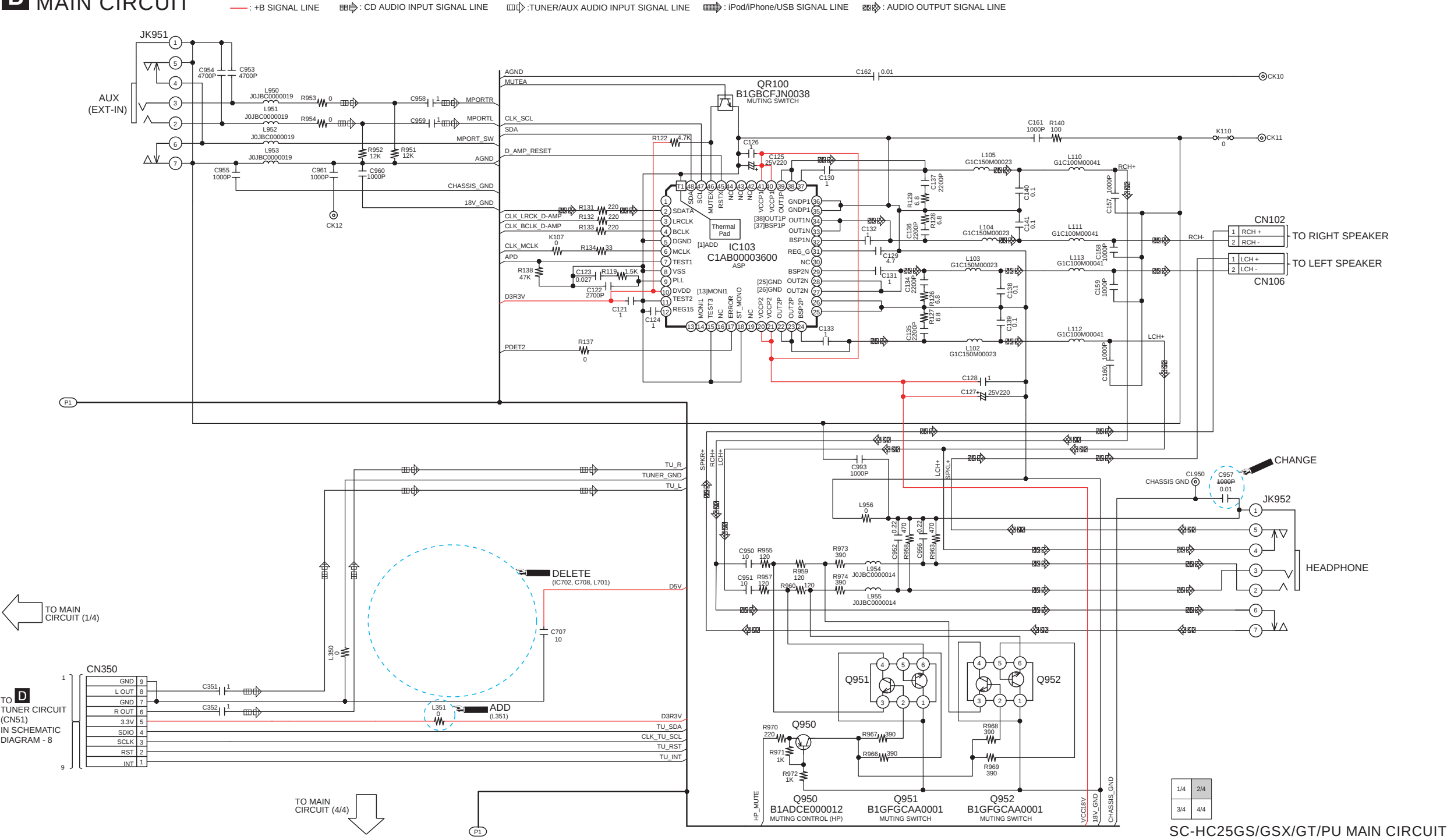
3.26. MAIN CIRCUIT (2/4) (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

With reference to original service manual (section 15.5.) on page 100 for Model No. SC-HC25GS/GSX/GT/PU-K

With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 15.5.) on page 100 for Model No. SC-HC25GK-K

SCHEMATIC DIAGRAM - 4

B MAIN CIRCUIT



3.27. MAIN CIRCUIT (3/4) (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

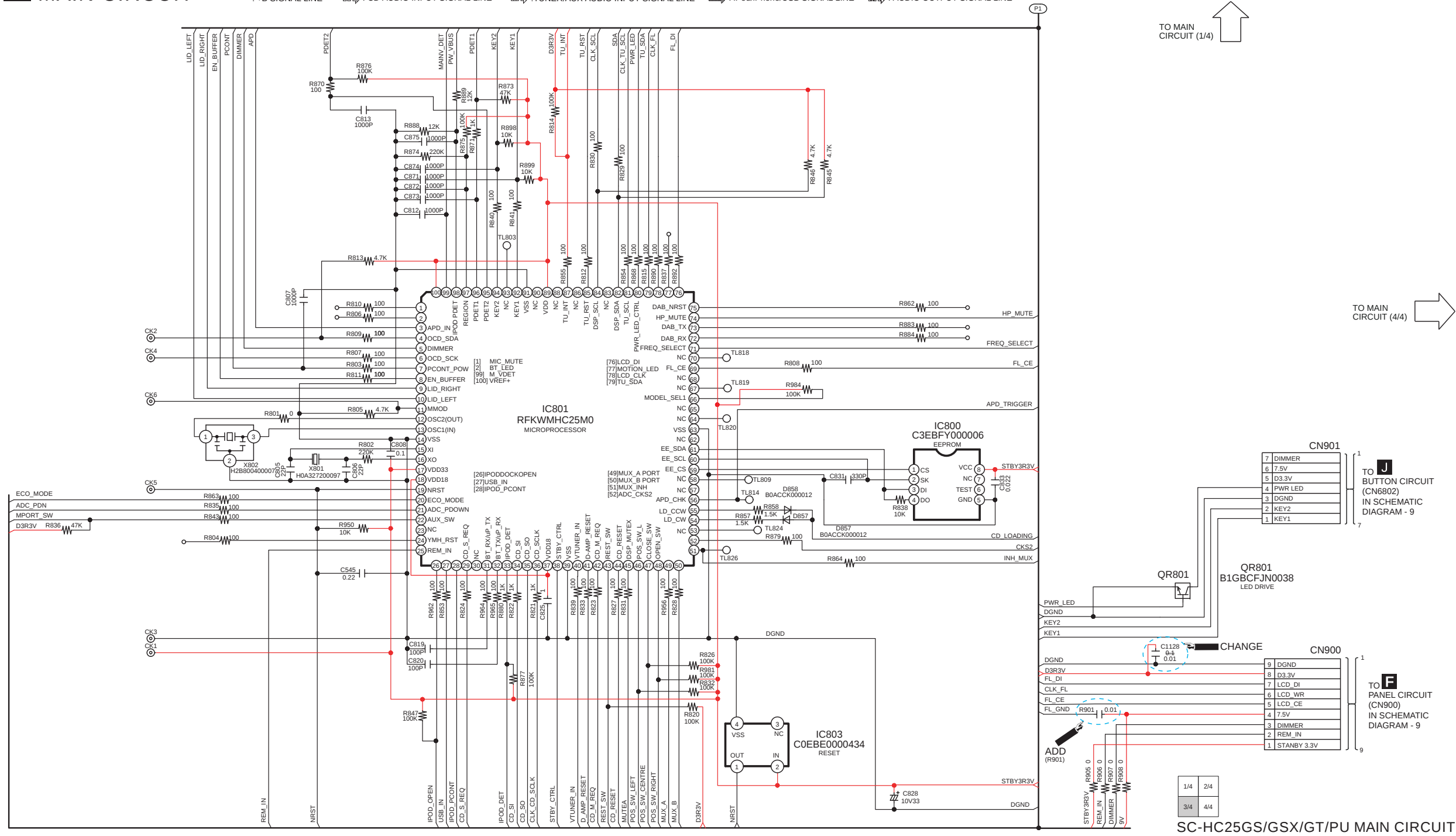
With reference to original service manual (section 15.6.) on page 101 for Model No. SC-HC25GS/GSX/GT/PU-K

With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 15.6.) on page 101 for Model No. SC-HC25GK-K

SCHEMATIC DIAGRAM - 5

B MAIN CIRCUIT

— : +B SIGNAL LINE : CD AUDIO INPUT SIGNAL LINE : TUNER/AUX AUDIO INPUT SIGNAL LINE : iPod/iPhone/USB SIGNAL LINE : AUDIO OUTPUT SIGNAL LINE



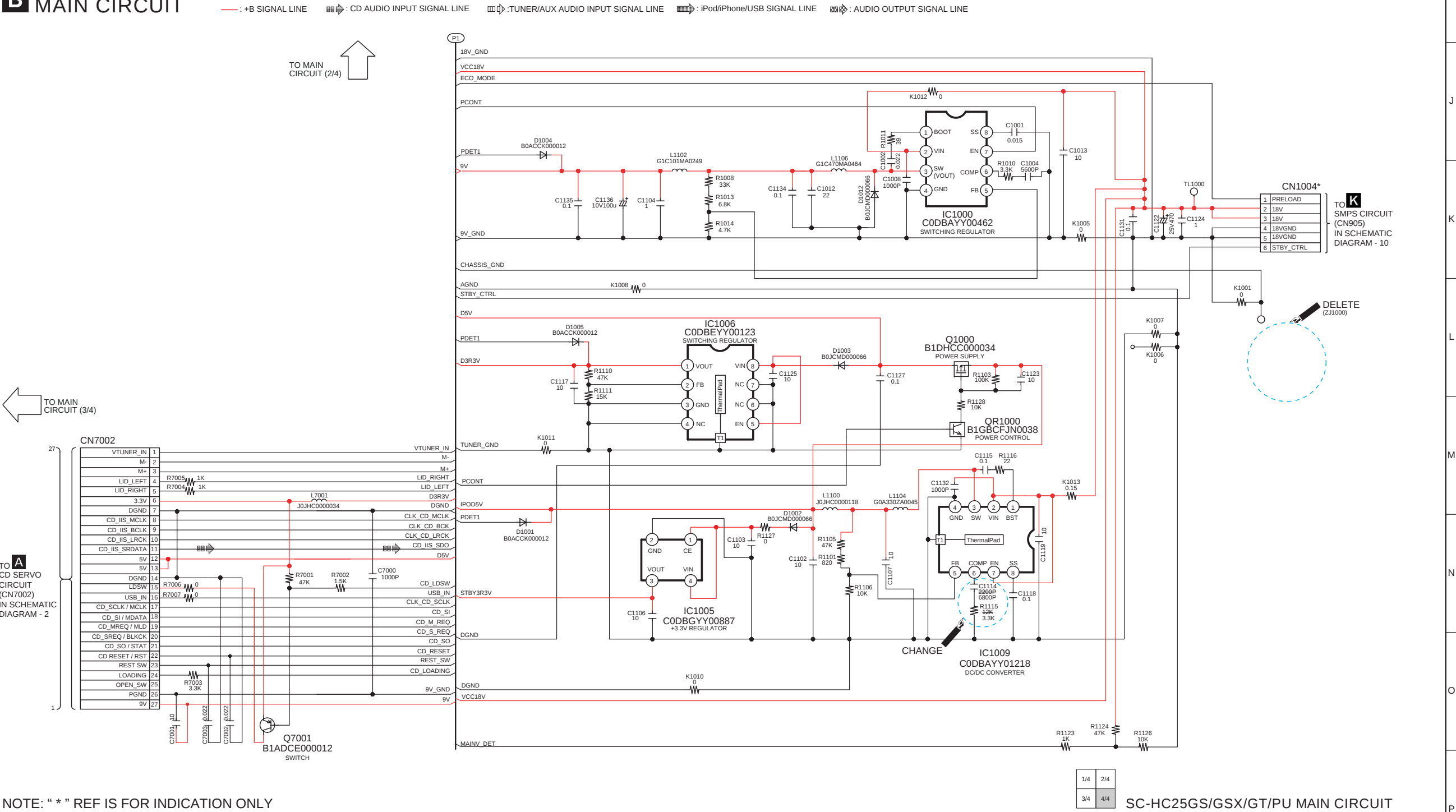
3.28. MAIN CIRCUIT (4/4) (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

With reference to original service manual (section 15.7.) on page 102 for Model No. SC-HC25GS/GSX/GT/PU-K

With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 15.7.) on page 102 for Model No. SC-HC25GK-K

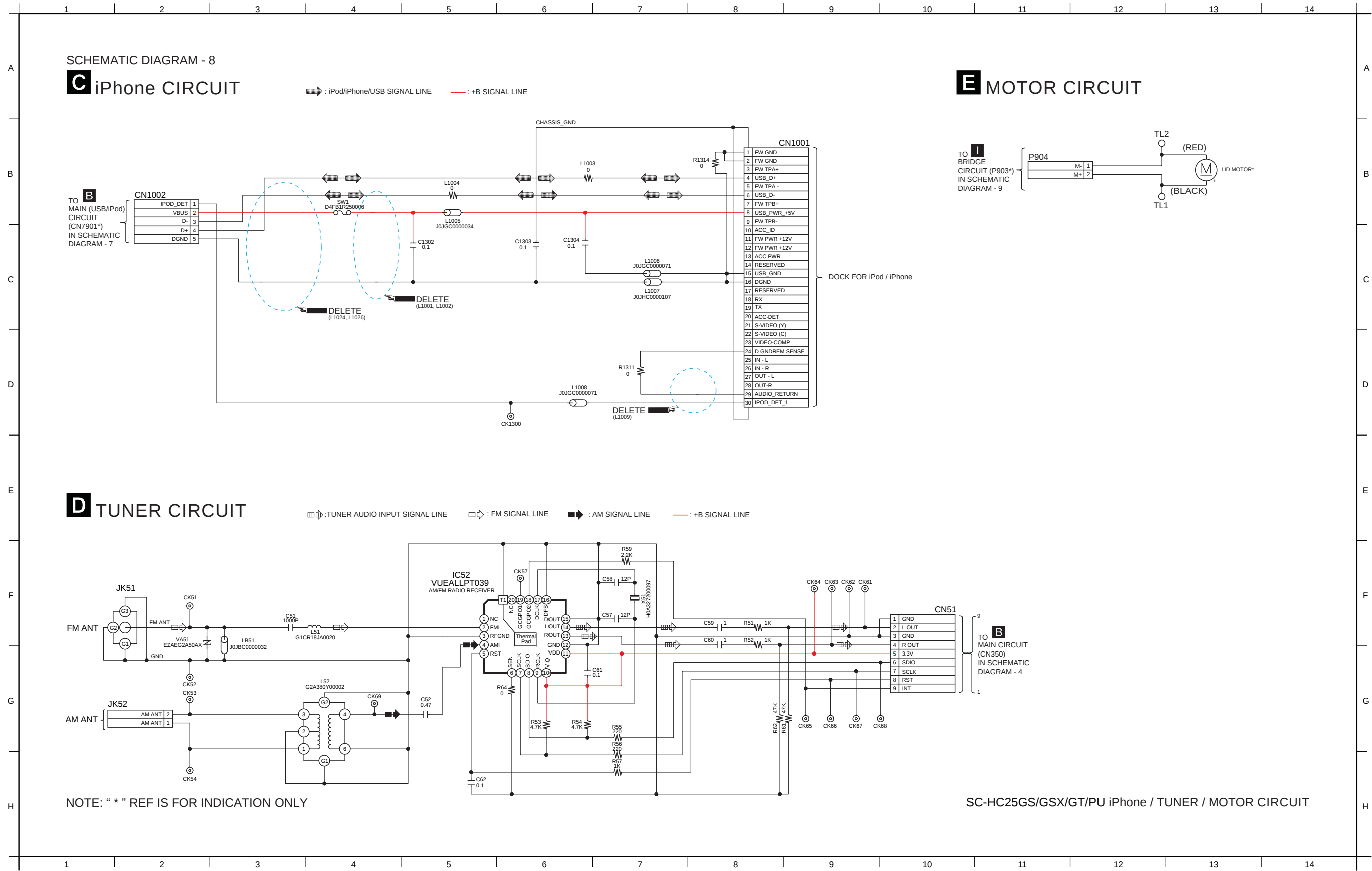
SCHEMATIC DIAGRAM - 6

B MAIN CIRCUIT



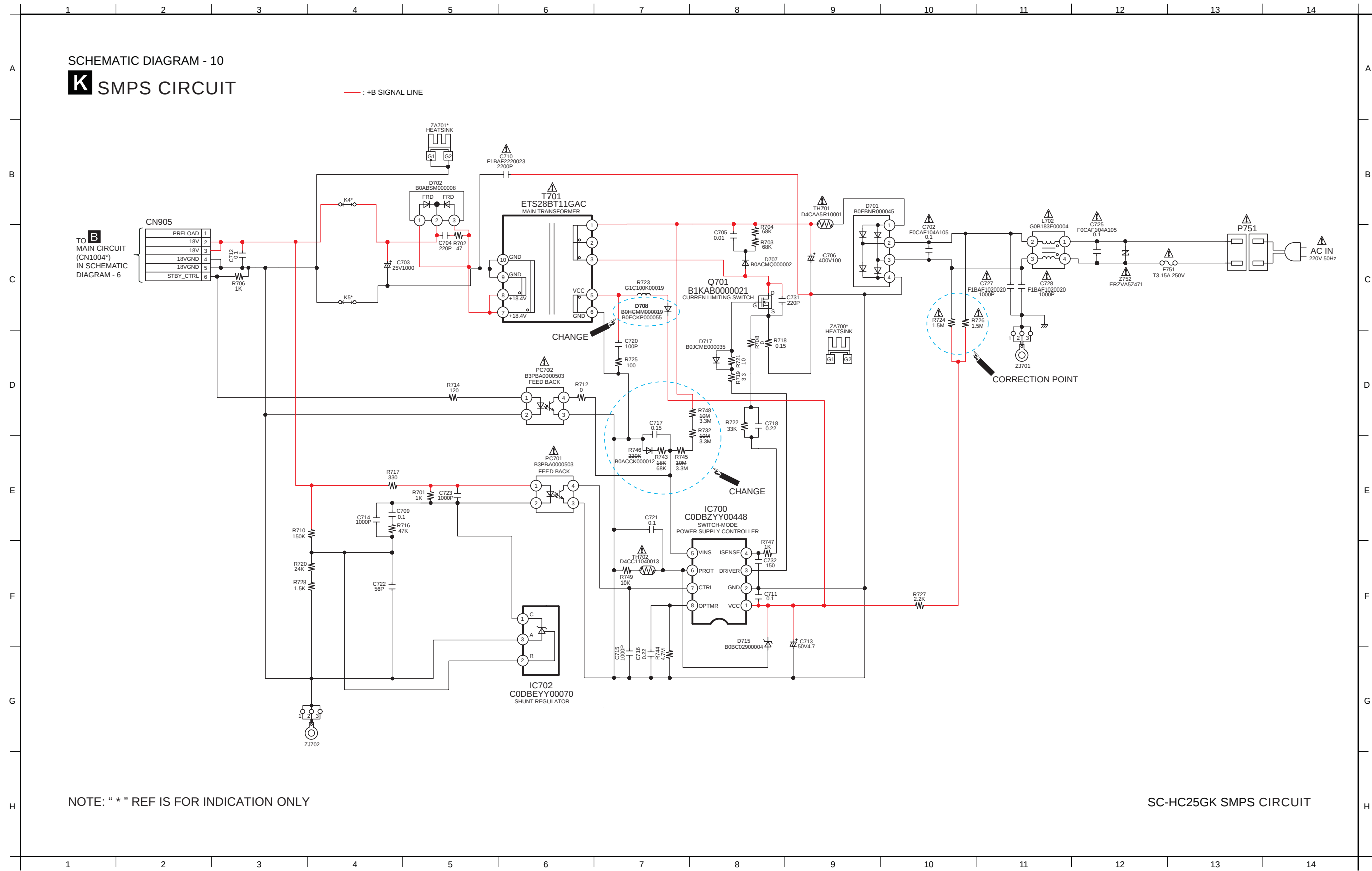
3.29. iPhone, TUNER & MOTOR CIRCUIT (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

With reference to original service manual (section 15.9.) on page 104 for Model No. SC-HC25GS/GSX/GT/PU-K
With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 15.9.) on page 104 for Model No. SC-HC25GK-K



3.31. SMPS CIRCUIT (For SC-HC25GK-K)

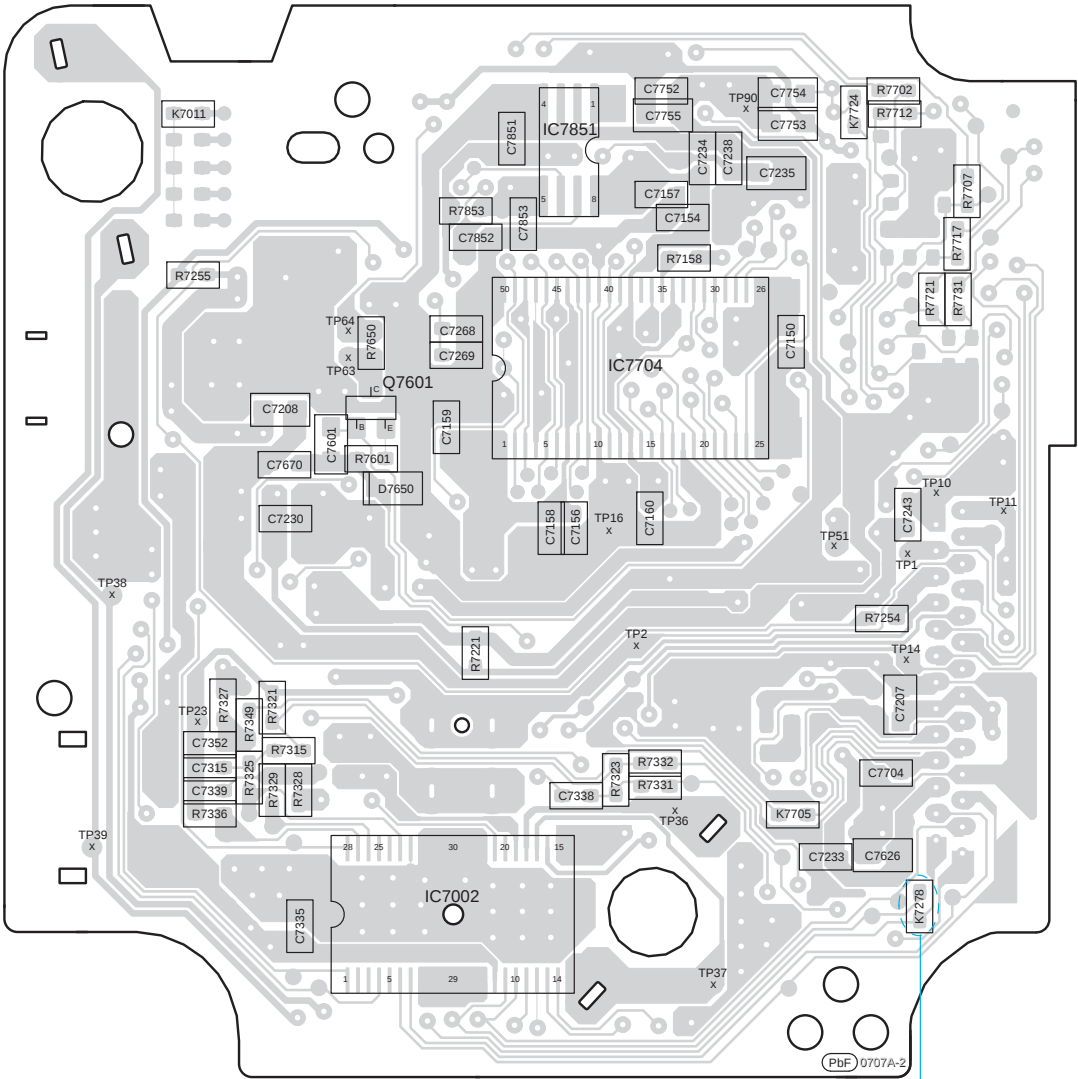
With reference to original service manual (section 7.1.) on page 15 for Model No. SC-HC25GK-K



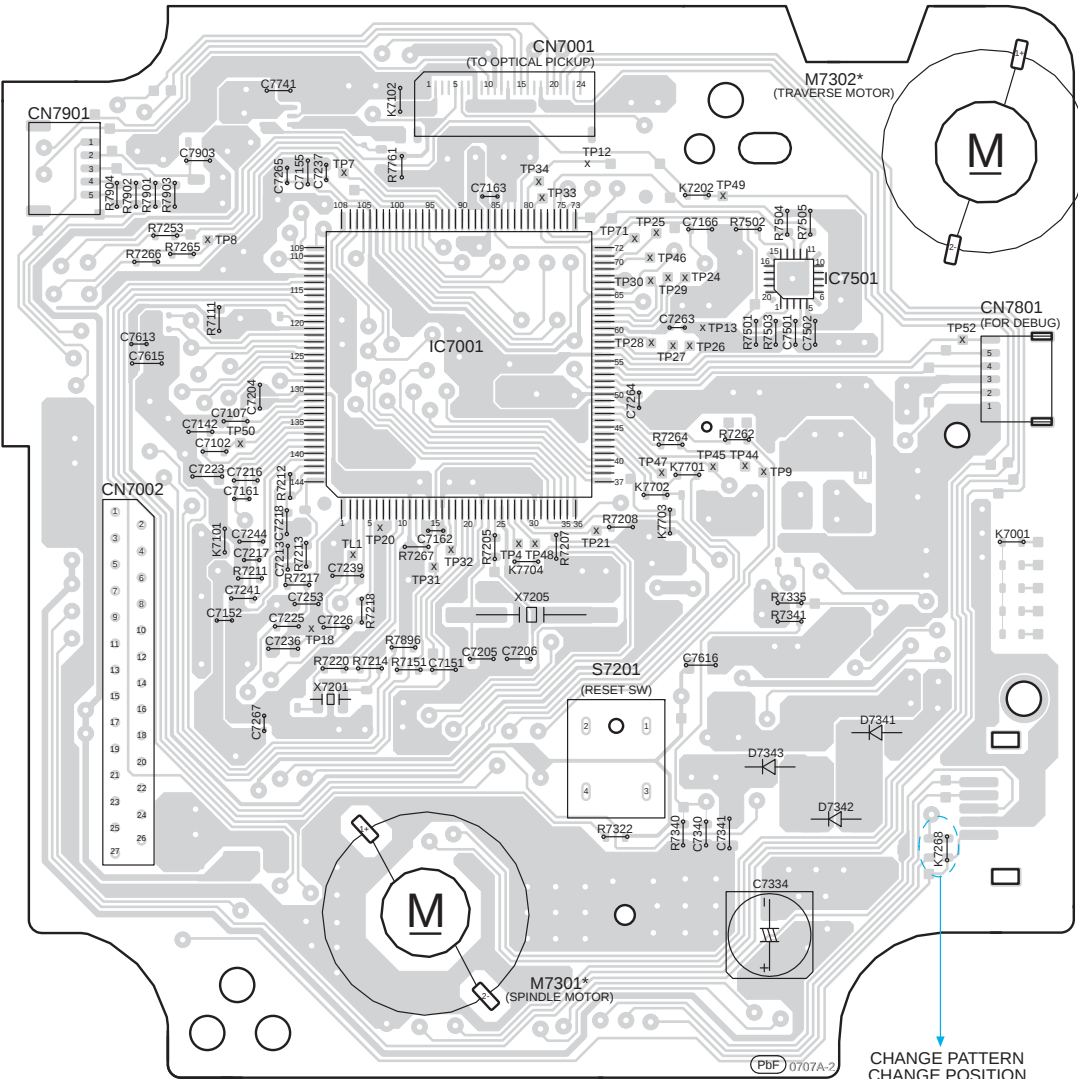
4.7. CD SERVO P.C.B. (For SC-HC25EG-K/S, EF-S, SC-HC25GN-K)

With reference to original service manual (section 16.1.) on page 105 for Model No. SC-HC25EG-K/S, EF-S
With reference to SC-HC25EG-K/S, EF-S service manual (section 16.1.) on page 105 for Model No. SC-HC25GN-K

A CD SERVO P.C.B. (REPX0918A)



(SIDE A)



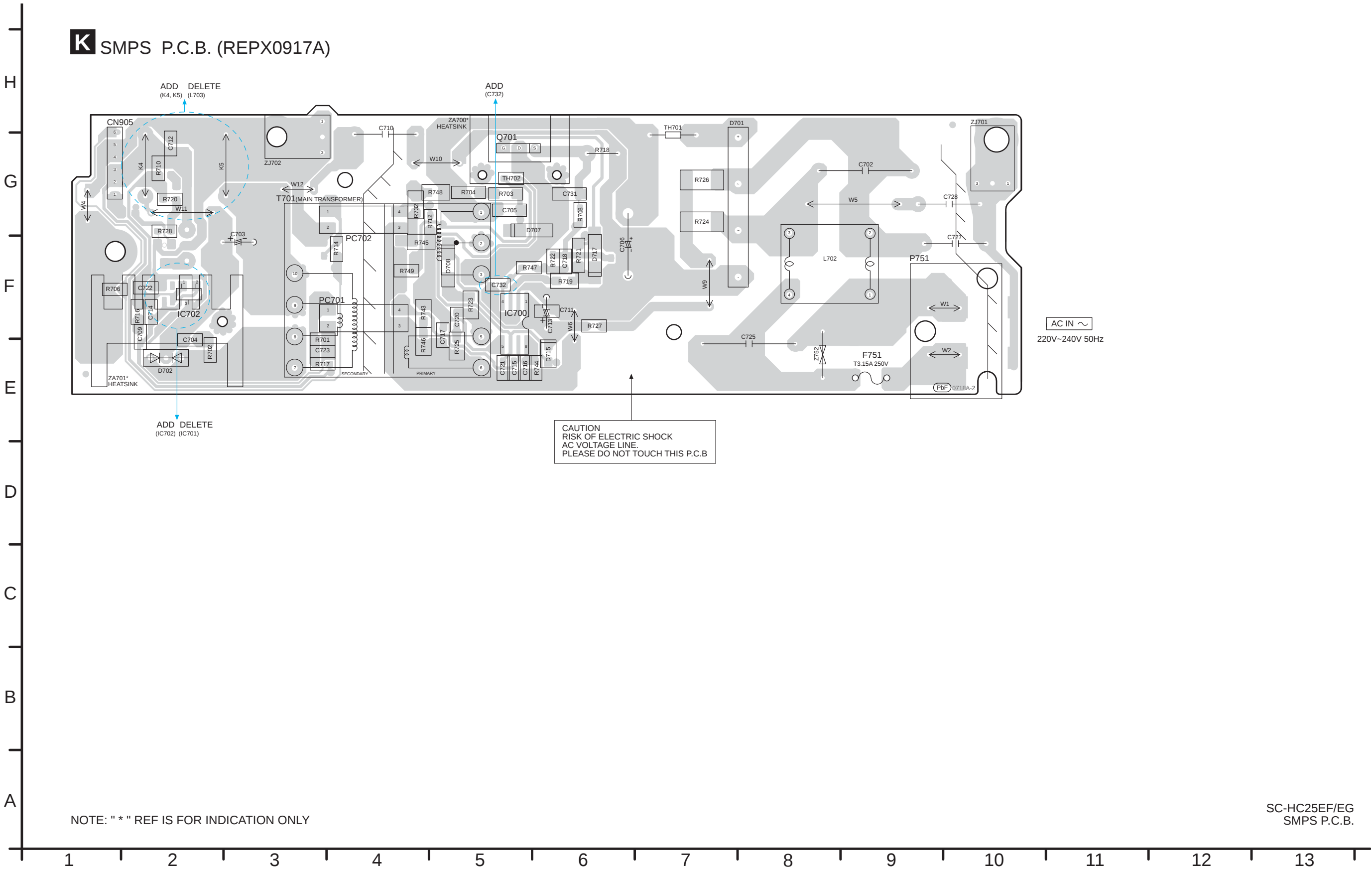
(SIDE B)

NOTE: " * " REF IS FOR INDICATION ONLY

SC-HC25EF/EG
CD SERVO P.C.B.

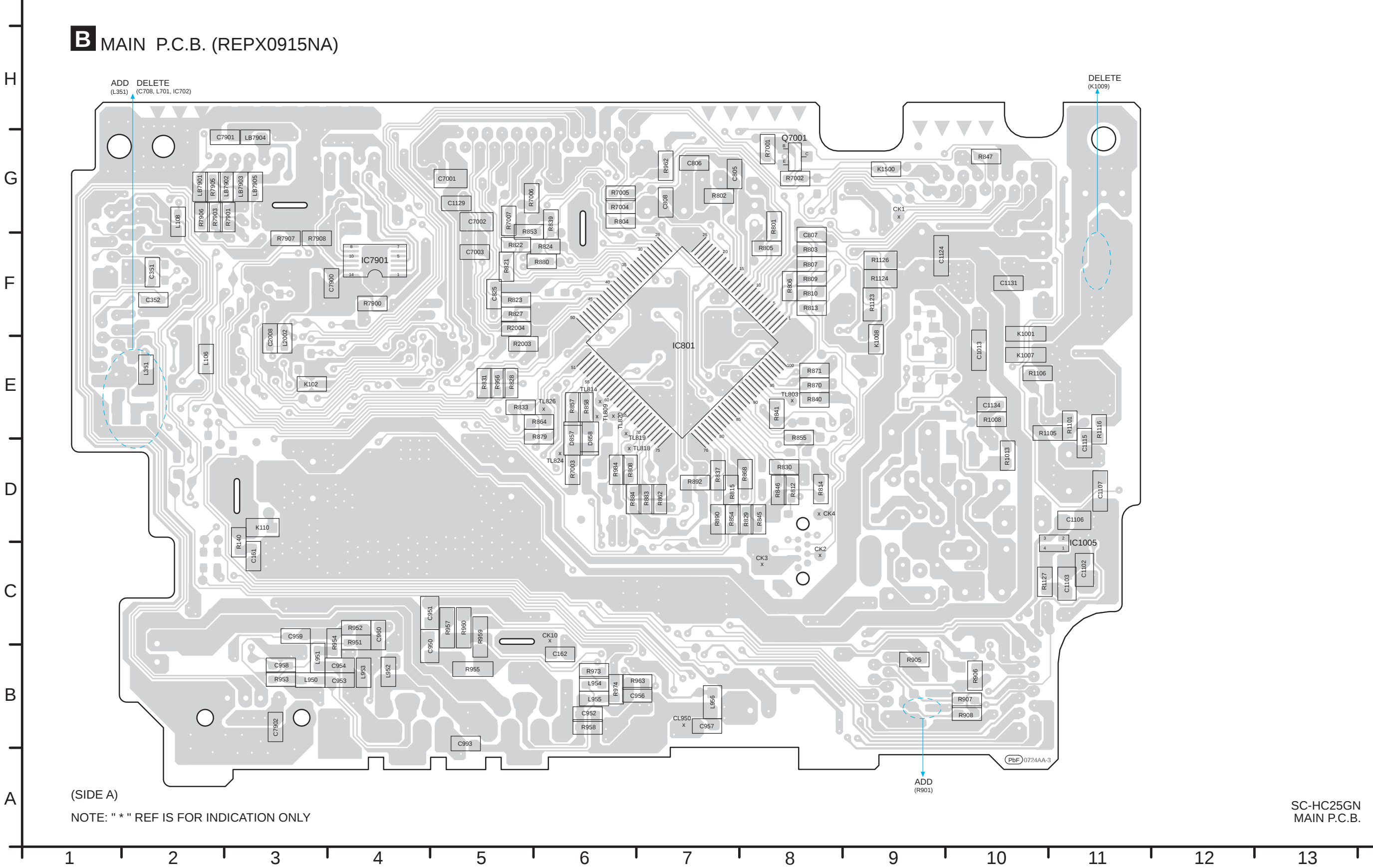
4.11. SMPS P.C.B. (For SC-HC25EG-K/S, EF-S, SC-HC25GN-K)

With reference to original service manual (section 16.6.) on page 110 for Model No. SC-HC25EG-K/S, EF-S
With reference to SC-HC25EG-K/S, EF-S service manual (section 16.6.) on page 110 for Model No. SC-HC25GN-K



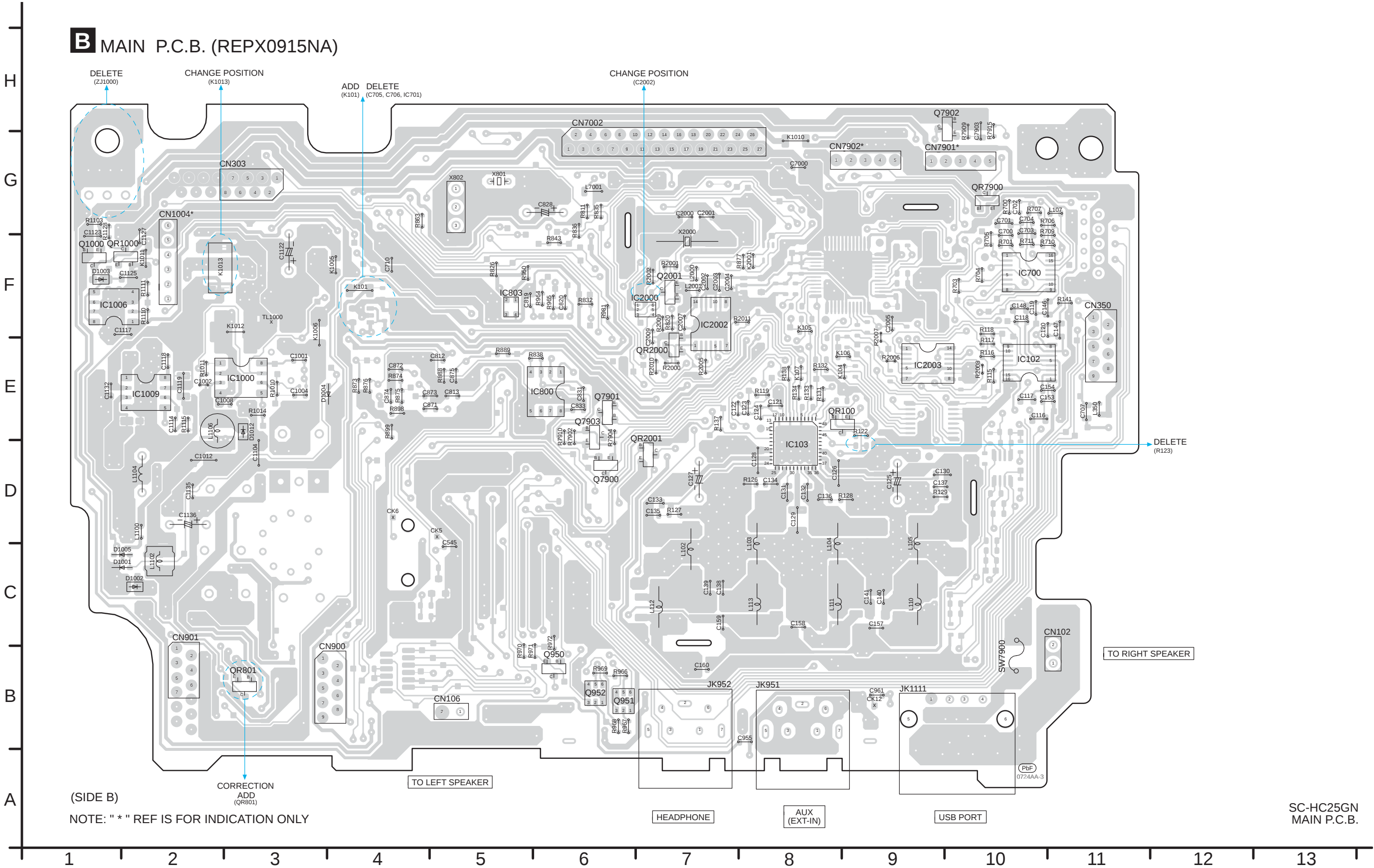
4.12. MAIN P.C.B. (Side A) (For SC-HC25GN-K)

With reference to original service manual (section 8.1.) on page 20 for Model No. SC-HC25GN-K



4.13. MAIN P.C.B. (Side B) (For SC-HC25GN-K)

With reference to original service manual (section 8.2.) on page 21 for Model No. SC-HC25GN-K



4.16. MAIN P.C.B. (Side A) (For SC-HC25GS/GSX/GT/PU-K, SC-HC25GK-K)

With reference to original service manual (section 16.2.) on page 108 for Model No. SC-HC25GS/GSX/GT/PU-K

With reference to SC-HC25GS/GSX/GT/PU-K service manual (section 16.2.) on page 108 for Model No. SC-HC25GK-K

