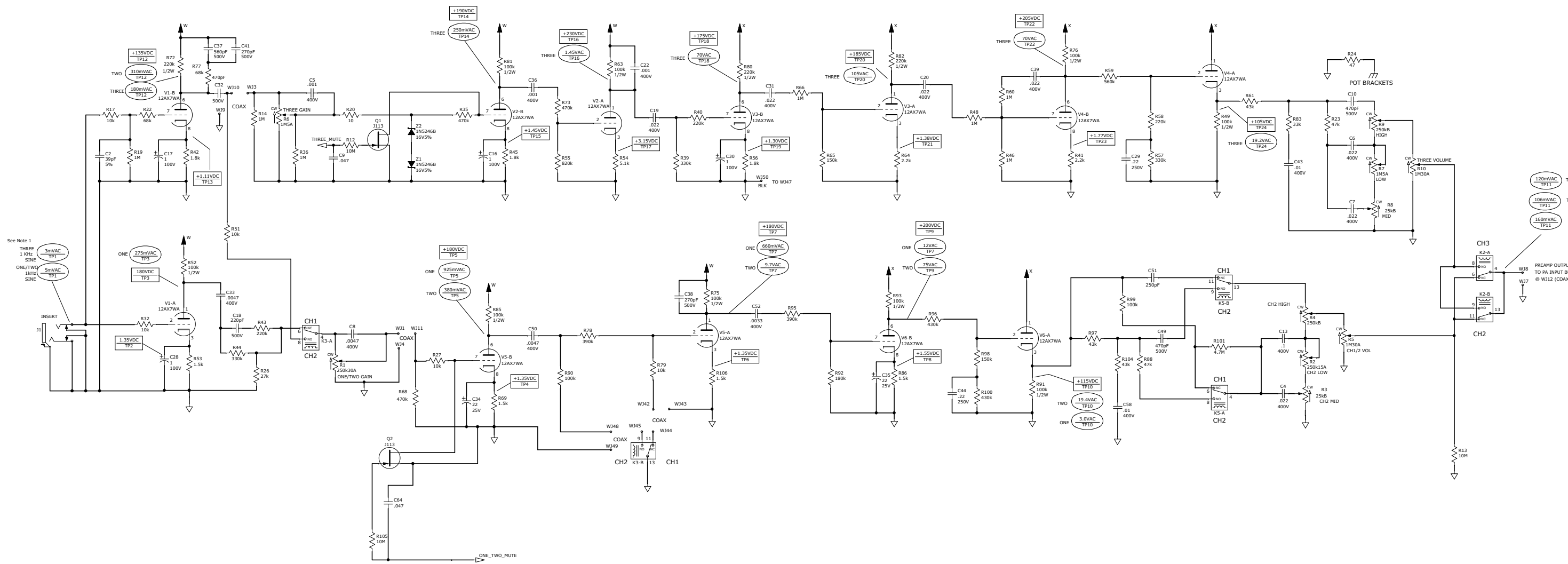


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR2510	08-JAN-13	H B K
B	EC5233	06-MAR-13	H B K
C	EC5291	09-JUL-13	H B K
D	EC5358	24-SEP-13	H B K
E	PR2421	17-JUN-14	H B K



See Note 1  
THREE  
1 KHz  
SINE  
ONE/TWO  
1kHz  
SINE

TEST POINT DATA REFERENCE

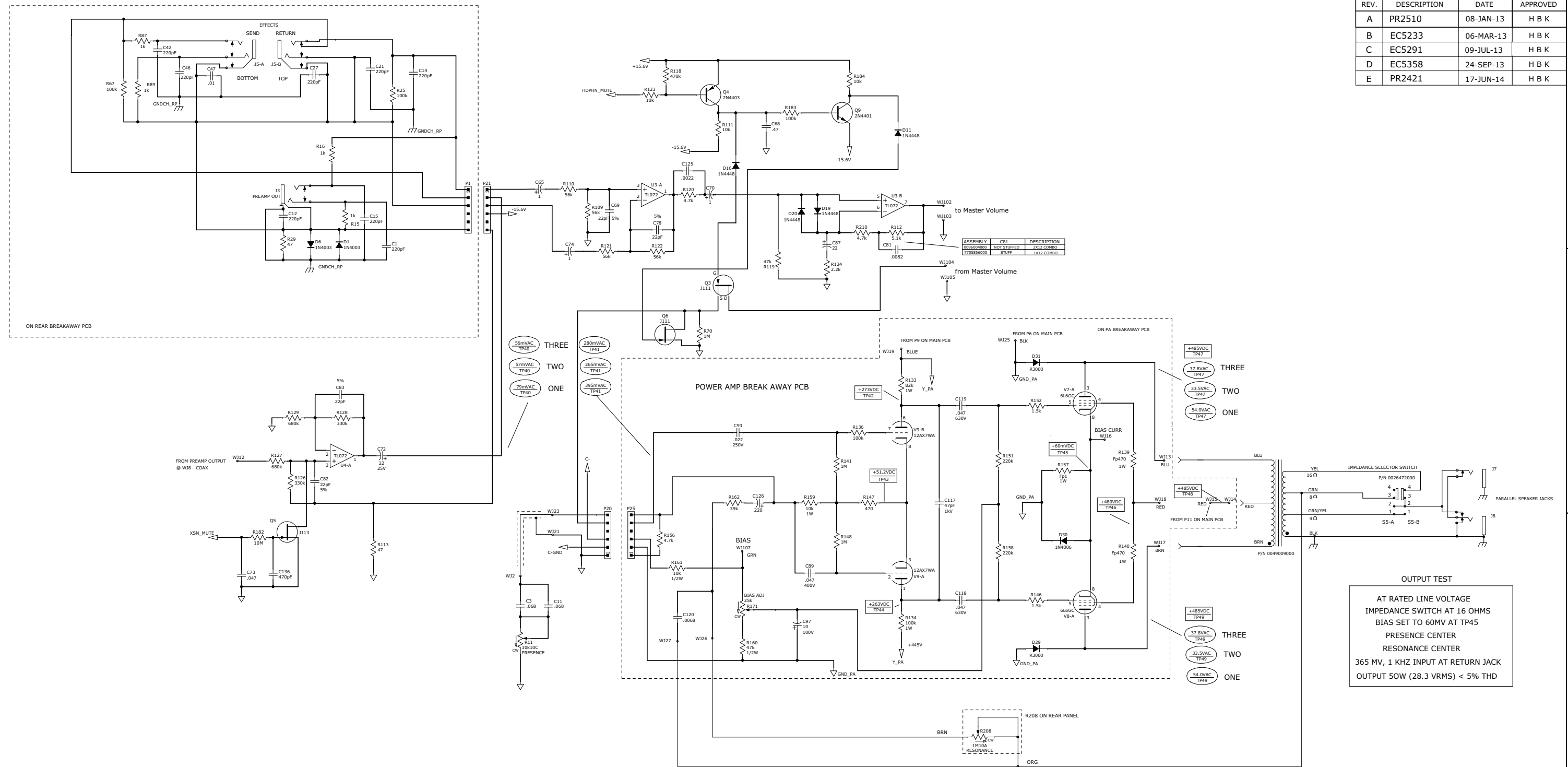
- AC TEST POINT DATA MEASURED AS FOLLOWS WITH A TRUE RMS METER:  
ONE - GAIN 1/2; VOL 1/2; TONE 1/2; PRESENCE 1/2  
TWO - GAIN 1/4; VOL 1/2; TONE 1/2; PRESENCE 1/2  
THREE - GAIN 1/4; VOL 1/4; TONE 1/2; PRESENCE 1/2  
MASTER VOLUME MAXIMUM  
REVERB LEVEL MAXIMUM
- DC TEST POINT DATA MEASURED WITH NO SIGNAL INPUT.

- THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0096002000 AND PCB ASSEMBLY P/N 0096004000.
- ALL DIODES ARE 1N4448.
- ALL POLARIZED CAPACITORS IN uF, 20%; 50V MINIMUM.
- ALL UNPOLARIZED CAPACITORS IN uF, 10% OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%).

NOTES: (UNLESS OTHERWISE NOTED)

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CHECKED BY: _____	DATE: _____	TITLE: SERVICE DIAGRAM, COMBINED (schematic) EVH 5150III 1X12/2X12 COMBO MAIN PCB	
APPROVED BY: _____	DATE: _____	SIZE: <b>D</b>	DRAWING NUMBER: <b>0096005000</b>
DRAWN: H.KAPLAN	ENGR: H.KAPLAN	RELEASE DATE: 08-JAN-13	REV. <b>E</b>
DATABASE FILE: Z2510S1.SCH		SHEET: 1 OF 6	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR2510	08-JAN-13	H B K
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C	EC5291	09-JUL-13	H B K
D	EC5358	24-SEP-13	H B K
E	PR2421	17-JUN-14	H B K



**OUTPUT TEST**

AT RATED LINE VOLTAGE  
 IMPEDANCE SWITCH AT 16 OHMS  
 BIAS SET TO 60MV AT TP45  
 PRESENCE CENTER  
 RESONANCE CENTER  
 365 MV, 1 KHZ INPUT AT RETURN JACK  
 OUTPUT 50W (28.3 VRMS) < 5% THD

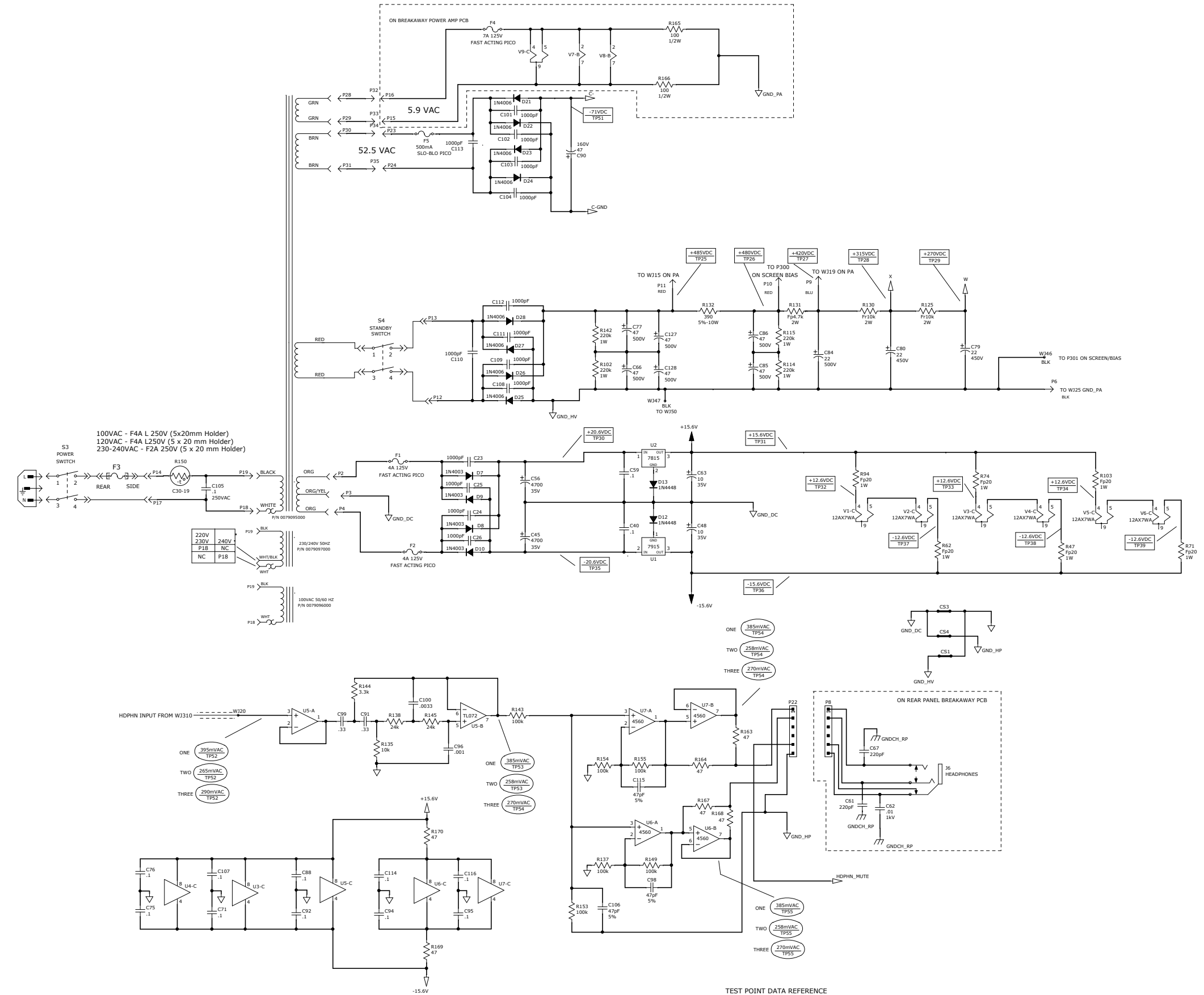
- TEST POINT DATA REFERENCE
- AC TEST POINT DATA MEASURED AS FOLLOWS WITH A TRUE RMS METER:  
 ONE - GAIN 1/2; VOL 1/2; TONE 1/2; PRESENCE 1/2  
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 MASTER VOLUME MAXIMUM  
 REVERB LEVEL MAXIMUM
  - DC TEST POINT DATA MEASURED WITH NO SIGNAL INPUT.
  - THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0096002000 AND PCB ASSEMBLY P/N 0096004000 AND 7705856000.
  - ALL DIODES ARE 1N4448.
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  - ALL UNPOLARIZED CAPACITORS IN uF, 10% OR BETTER; 50V MINIMUM. (POWER SUPPLY BYPASS CAPACITORS ARE 20%).
  - ALL RESISTORS IN OHMS, 5%; 1/4W.
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**Fender** MUSICAL INSTRUMENTS  
 Corona, CA U.S.A.

CHECKED BY: \_\_\_\_\_ TITLE: SERVICE DIAGRAM, COMBINED (schematic)  
 DATE: \_\_\_\_\_ DATE: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_ SIZE: D DRAWING NUMBER: 0096005000 REV: E  
 DRAWN: H.KAPLAN ENGR: H.KAPLAN  
 DATABASE FILE: Z2510S1.SCH RELEASE DATE: 08-JAN-13 SHEET: 2 OF 6

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR2510	08-JAN-13	H B K
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TEST POINT DATA REFERENCE

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 THREE - GAIN 1/4; VOL 1/4; TONE 1/2; PRESENCE 1/2  
 MASTER VOLUME MAXIMUM  
 REVERB LEVEL MAXIMUM

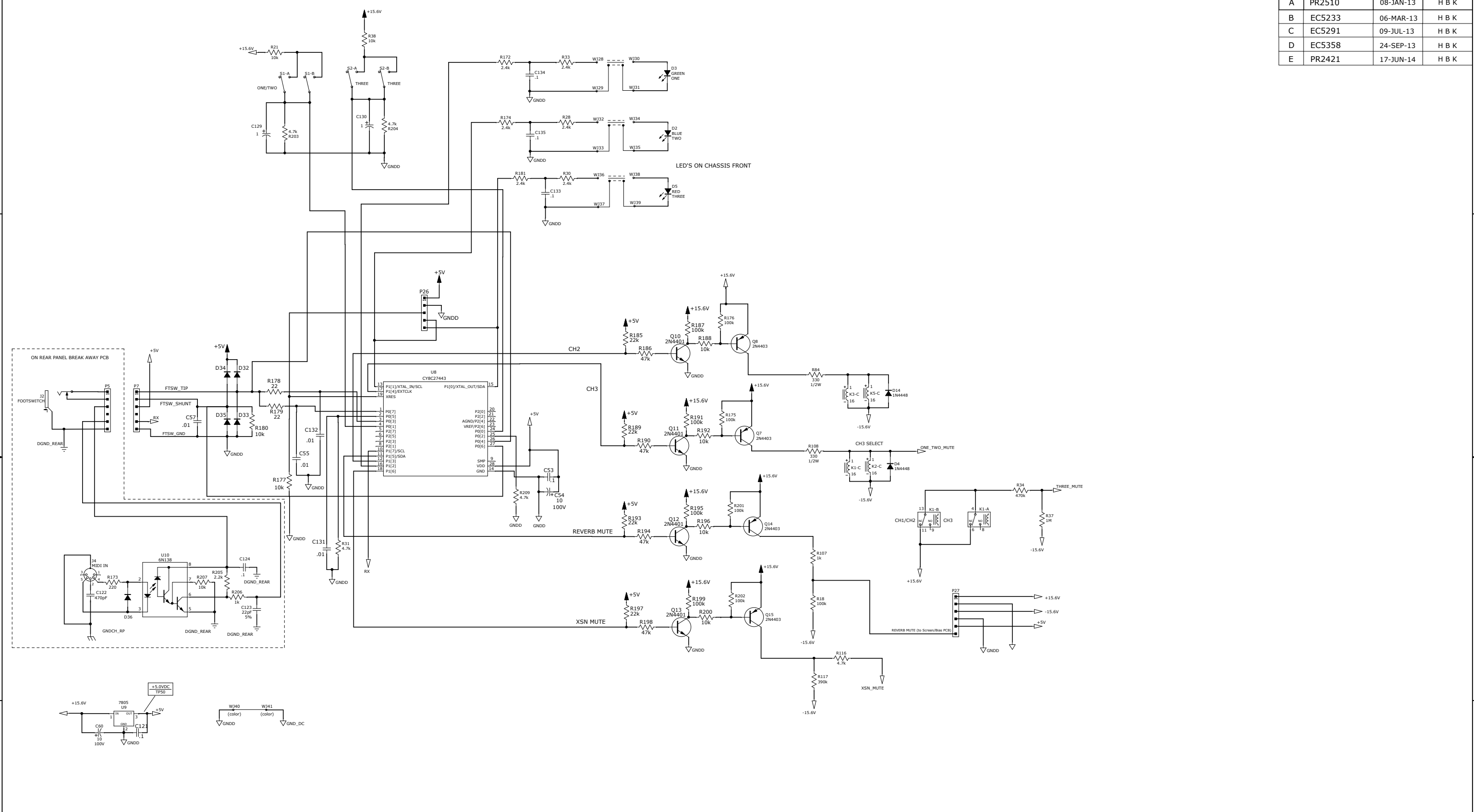
2. DC TEST POINT DATA MEASURED WITH NO SIGNAL INPUT.

5. THIS SCHEMATIC IS FOR PCB FABRICATION P/N 0096002000 AND PCB ASSEMBLY P/N 0096004000 AND 7705856000.  
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CHECKED BY: _____	DATE: _____		
APPROVED BY: _____	DATE: _____	SIZE: <b>D</b>	DRAWING NUMBER: <b>0096005000</b>
DRAWN: H.KAPLAN	ENGR: H.KAPLAN	REVISION: <b>E</b>	REV. _____
DATABASE FILE: Z2510S1.SCH		RELEASE DATE: 08-JAN-13	SHEET: 3 OF 6

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR2510	08-JAN-13	H B K
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C	EC5291	09-JUL-13	H B K
D	EC5358	24-SEP-13	H B K
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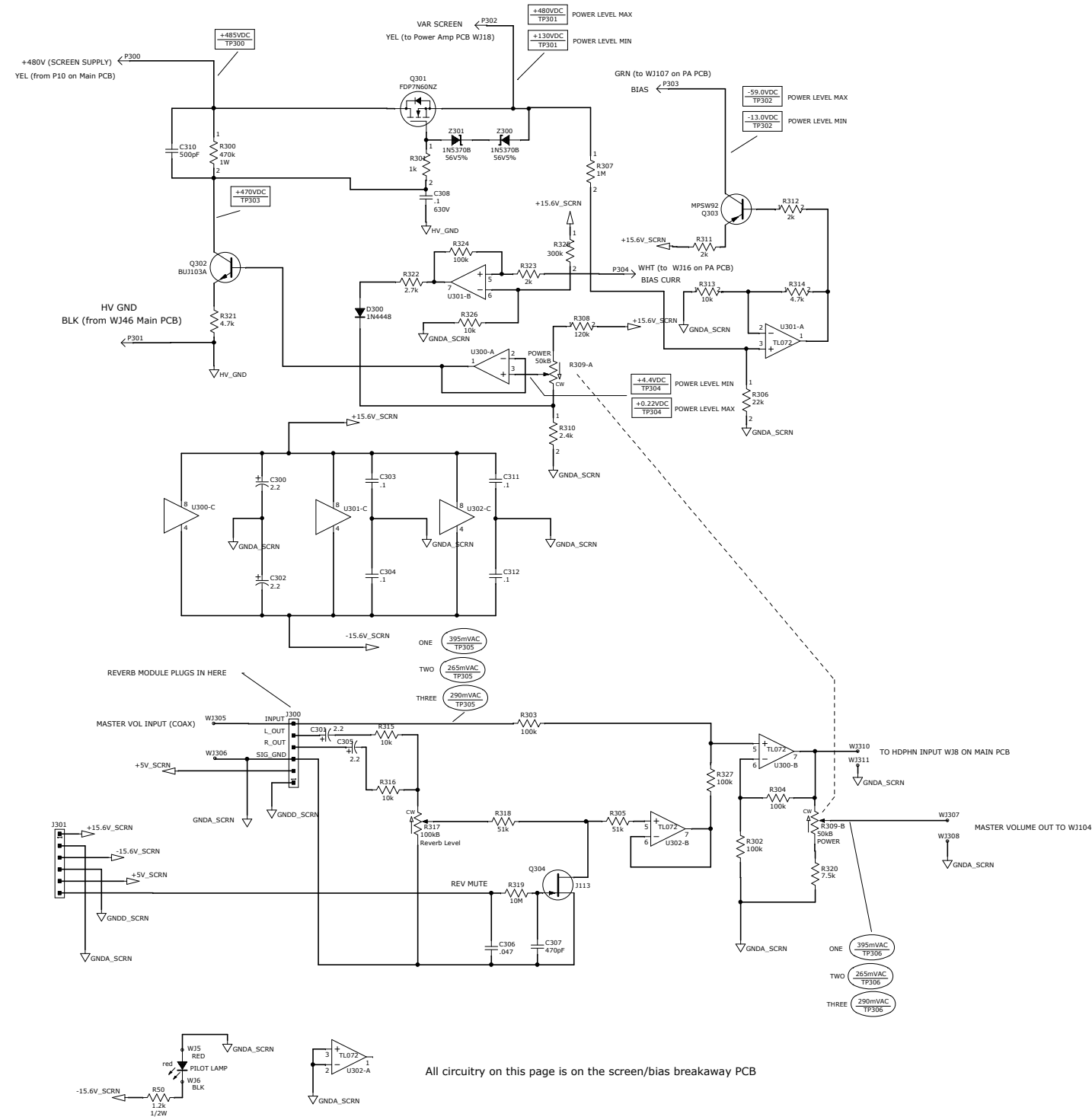


TEST POINT DATA REFERENCE  
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 MASTER VOLUME MAXIMUM  
 REVERB LEVEL MAXIMUM  
 2. DC TEST POINT DATA MEASURED WITH NO SIGNAL INPUT.

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CHECKED BY: _____	TITLE: SERVICE DIAGRAM, COMBINED (PCB Assy) EVH 5150III 1X12/2X12 COMBO MAIN PCB		
DATE: _____	SIZE: <b>D</b>	DRAWING NUMBER: <b>0096005000</b>	REV: <b>E</b>
APPROVED BY: _____	DRAWN: H. KAPLAN ENGR: H. KAPLAN		
DATE: _____	DATABASE FILE: Z2510S1.SCH		
RELEASE DATE: 08-JAN-13		SHEET 4 OF 6	

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PR2510	08-JAN-13	H B K
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E	PR2421	17-JUN-14	H B K



All circuitry on this page is on the screen/bias breakaway PCB

TEST POINT DATA REFERENCE

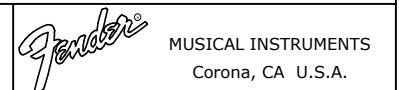
- AC TEST POINT DATA MEASURED AS FOLLOWS WITH A TRUE RMS METER:
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  - THREE - GAIN 1/4; VOL 1/4; TONE 1/2; PRESENCE 1/2
- DC TEST POINT DATA MEASURED WITH NO SIGNAL INPUT.

DO NOT STUFF

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CHECKED BY: _____	TITLE: SERVICE DIAGRAM, COMBINED (schematic) EVH 5150III 1X12/2X12 COMBO MAIN PCB		
APPROVED BY: _____	SIZE: D	DRAWING NUMBER: 0096005000	REV: E
DATE: _____	DRAWN: H.KAPLAN ENGR: H.KAPLAN		REVISIONS: (see table)
DATABASE FILE: Z2510S1.SCH	RELEASE DATE: 08-JAN-13		SHEET: 5 OF 6