

## E.C.O.

A.#020196H: CHANGE VALUE OF THE BIAS POTS (VR2 &VR4) TO ALLOW A WIDER RANGE OF BIAS ADJUSTMENT. THIS ECO STARTS WITH THE SERIAL #440580

B. #120996F: STANDARDIZE THE USE OF IRFZ46 IN ALL POWER SUPPLIES THAT UTILIZE TO-220 FET PACKAGES. THIS ECO STARTS WITH THE SERIAL #1102561

C. #070297E: CHANGE THE VALUE OF R59 FROM 10K TO 8.87K. THIS RAISES THE SWITCHING FREQUENCY FROM 27KHz TO 29KHz TO REDUCE THE CHANCES OF THE TRANSFORMER SATURATING AT HIGH TEMPURATURES. THIS ECO STARTS WITH THE SERIAL#1107265

## SPECS.

### Product Specifications

INPUT SENSITIVITY FOR RATED POWER: 230MV - 2.3V  
VOP: +/- 15.5V (MAINTAINS REGULATION)  
SWITCHING FREQUENCY: 29K HERTZ  
IDLE CURRENT (NO BIAS): .63A  
BIAS CURRENT PER CHANNEL: .15A  
TOTAL IDLE CURRENT: .93A  
THERMAL TRIP: 85 DEG. C FOR OFF, 78 DEG. C FOR ON  
TURN ON TIME DELAY: 4.0 SEC. @ 7V  
TURN-ON THRESHOLDS: 1.0V (SUPPLY), 8.0V (UNMUTE)

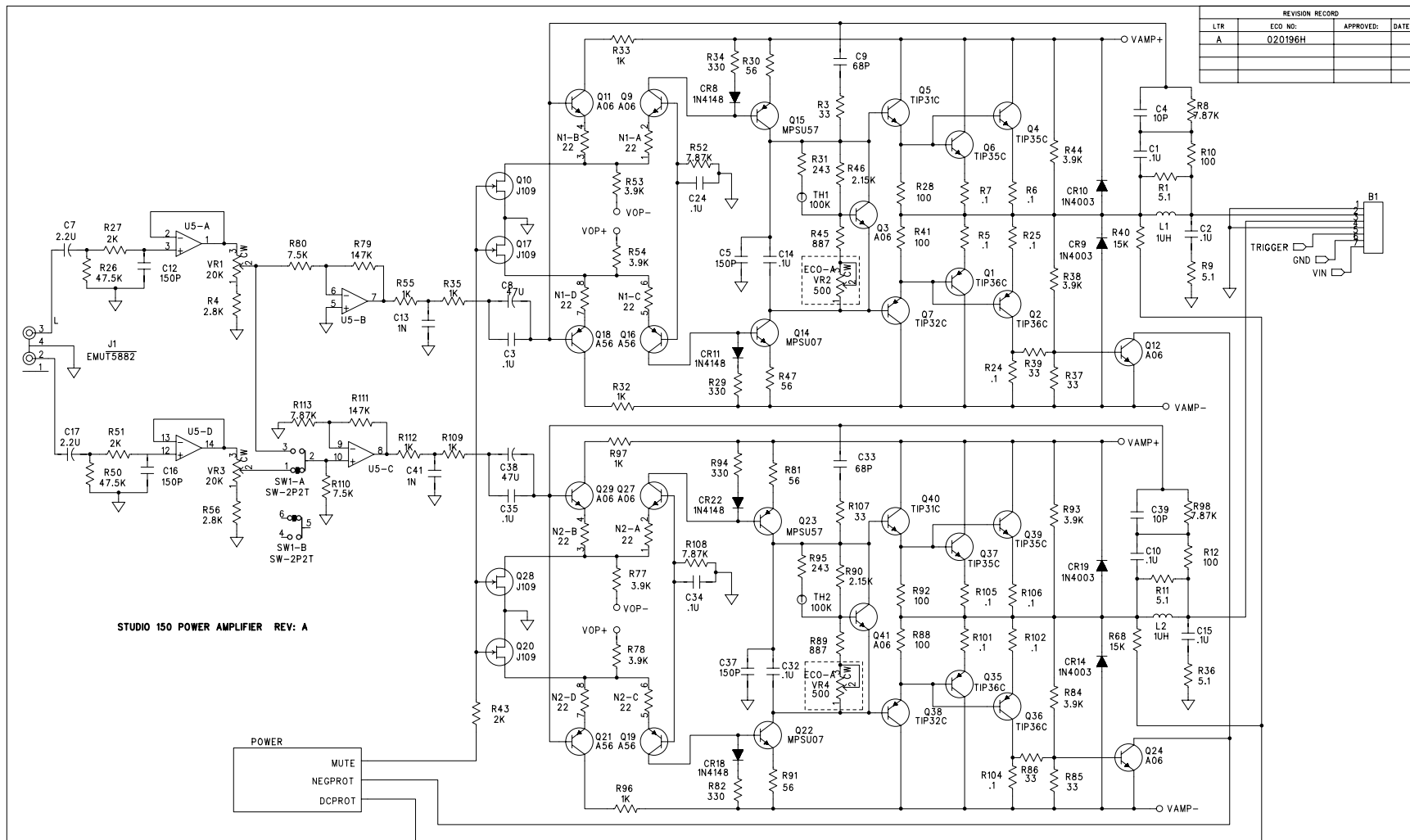
	NO LOAD	40HM LOAD	20HM LOAD	10HM LOAD
VAMP +/-	34.5V	31.0V	29.2V	N/A
WATTS/CH.	N/A	107W @.1% THD	161W @.1% THD	N/A
CURRENT DRAW	.93A	22.2A	36.5A	N/A

### Transformer Windings

PRIMARY:  
7-TURNS 14 GA. WOUND BI-FI  
SECONDARY:  
17-TURNS 14 GA. WOUND BI-FI

REVISION RECORD			
LTN	ECO NO.	APPROVED	DATE

DRAWN David P.		DATED 3/20/96		COMPANY: A.R.P.A. OF AMERICA	
REVISED: David P.		DATED 7/3/97		TITLE: STUDIO 150 ECO/SPEC. SHEET	
QUALITY CONTROL: Mike M.		DATED 7/3/97		CODE:	SIZE:
RELEASED:		DATED:		DRAWING NO:	REV: A
PART NUMBER: 105-0011-019				SHEET: 3 OF 3	

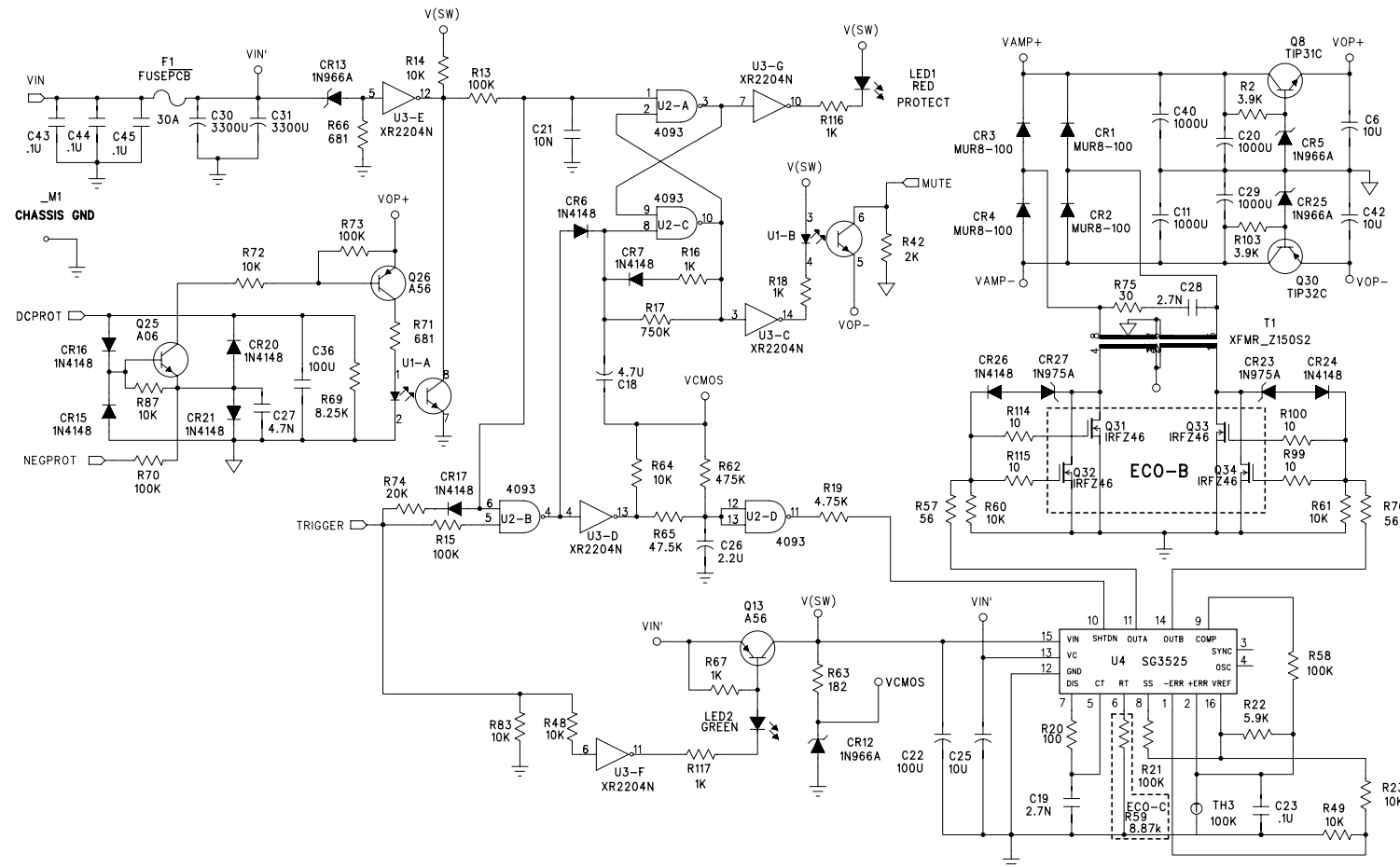


REVISION RECORD			
LTR	ECO NO.	APPROVED:	DATE:
A	020196H		

COMPANY: A.R.P.A. OF AMERICA CORP. (CORP)

DRAWN: David P.	DATED: 1/95	TITLE: STUDIO 150 POWER AMPLIFIER	CODE: ECO	SIZE:	DRAWING NO:	REV: A
REVISED: David P.	DATED: 7/3/97					
QUALITY CONTROL: Joe S.	DATED: 7/3/97					
RELEASED:	DATED:					
PART NUMBER: 105-0011-019				SHEET: 1 OF 3		

REVISION RECORD			
LTR	ECD NO:	APPROVED:	DATE:
B	120996F		
C	070297E		



COMPANY: A.R.P.A. OF AMERICA CORP. (CORP)			
TITLE: STUDIO 150 AMP POWER SUPPLY			
DRAWN: David P.	DATED: 1/25/95	CODE:	SIZE:
CHECKED: David P.	DATED: 7/3/97	DRAWING NO:	
QUALITY CONTROL: Joe S.	DATED: 7/3/97	REV: A	
RELEASED:	DATED:	PART NUMBER: 105-0011-019	
		SHEET: 2 OF 3	