

SERVICE MANUAL

SUPPLEMENT

File this supplement with the service manual.

Subject: CHANGE OF LOWPASS FILTERS (F501, F502)

AEP Model
UK Model
US Model
Canadian Model
E Model

No. 1
 September, 1983

Applicable Serial No. :

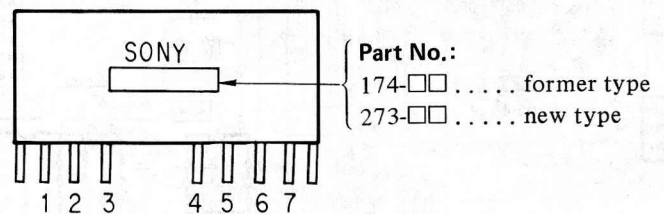
US Model: 805,201 and later
 Canadian Model: 700,401 and later
 AEP Model: 528,301 and later
 UK Model: 607,301 and later
 E1 Model: 304,501 and later
 E2 Model: 400,601 and later

Lowpass filters have been changed as follows.
 Take care that the output terminal and the earth terminal are reversed for new part from former one.

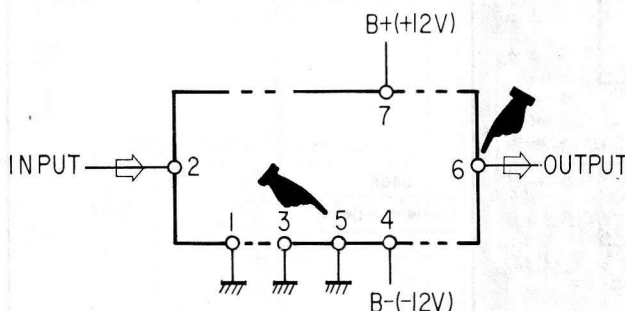
Due to this change, one part of the audio board is changed.
 So there are two kinds of lowpass filters.
 Take care when replacing F501 and F502.

Ref. No.	Former Type	New Type
F501, 502	1-235-174-00 lowpass filter	1-464-273-00 lowpass filter

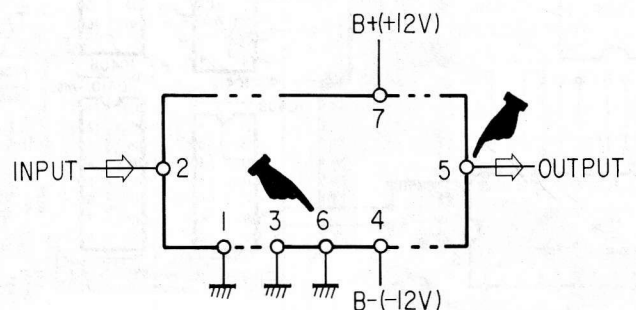
- Identification between a new lowpass filter and former one.



[Former Circuit]



[New Circuit]



COMPACT DISC PLAYER
SONY[®]

AUD

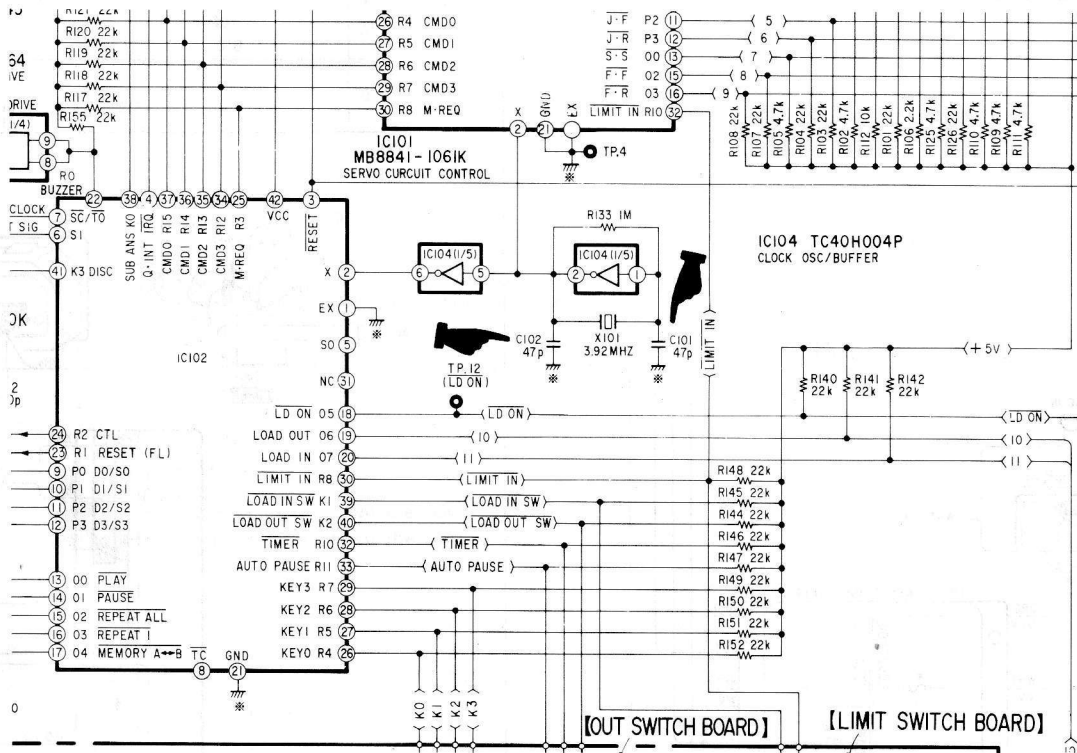
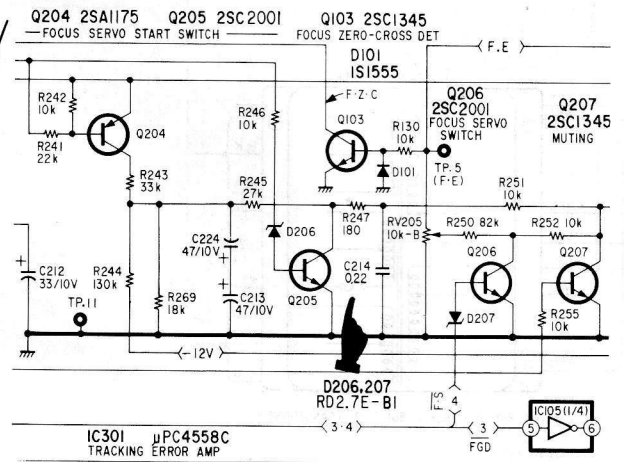
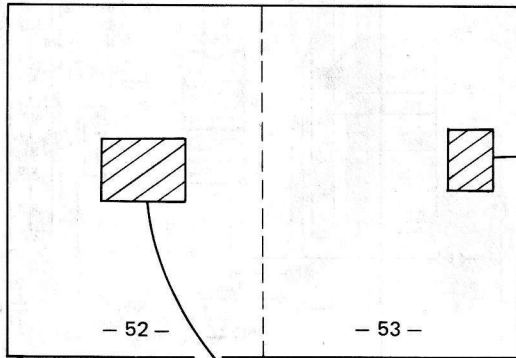
1. CHANGED PARTS

Ref. No.	FORMER					NEW					Remarks
	Part No.	Descriptions				Part No.	Descriptions				
C101	1-102-106-00	CERAMIC	100 pF	10 %	50 V	1-101-880-00	CERAMIC	47 pF	5 %	50 V	Changed
C102	1-102-106-00	CERAMIC	100 pF	10 %	50 V	1-101-880-00	CERAMIC	47 pF	5 %	50 V	Changed
C214	1-123-231-00	ELECT	3.3 μ F	20 %	50 V	1-130-636-00	FILM	0.22 μ F	5 %	50 V	Changed
		(NONPOLAR)									
C507	1-123-318-00	ELECT	33 μ F	20 %	16 V	1-124-080-00	ELECT	33 μ F	20 %	25 V	Changed
C508	1-123-318-00	ELECT	33 μ F	20 %	16 V	— — — — —					Omitted
C509	1-123-318-00	ELECT	33 μ F	20 %	16 V	1-124-080-00	ELECT	33 μ F	20 %	25 V	Changed
C510	1-123-318-00	ELECT	33 μ F	20 %	16 V	1-124-080-00	ELECT	33 μ F	20 %	25 V	Changed
C545	1-101-880-00	CERAMIC	47 pF	5 %	50 V	1-102-959-00	CERAMIC	22 pF	5 %	50 V	Changed
C581	1-123-609-00	ELECT	0.33 μ F	20 %	50 V	1-123-380-00	ELECT	1 μ F	20 %	50 V	Changed
C582	1-123-609-00	ELECT	0.33 μ F	20 %	50 V	1-123-380-00	ELECT	1 μ F	20 %	50 V	Changed
C583	1-123-474-00	ELECT	100 μ F	20 %	10 V	1-124-069-00	ELECT	100 μ F	20 %	10 V	Changed
C584	1-123-474-00	ELECT	100 μ F	20 %	10 V	1-124-069-00	ELECT	100 μ F	20 %	10 V	Changed
F501	1-235-174-00	LOWPASS FILTER				1-464-273-00	LOWPASS FILTER				Changed
F502	1-235-174-00	LOWPASS FILTER				1-464-273-00	LOWPASS FILTER				Changed
R514	1-247-841-00	CARBON	2.7 k Ω	5 %	1/6 W	1-214-739-00	METAL	2.7 k Ω	1 %	1/4 W	Changed
R523	1-247-847-00	CARBON	4.7 k Ω	5 %	1/6 W	1-214-745-00	METAL	4.7 k Ω	1 %	1/4 W	Changed
R529	1-247-847-00	CARBON	4.7 k Ω	5 %	1/6 W	1-214-745-00	METAL	4.7 k Ω	1 %	1/4 W	Changed
R626	1-247-855-00	CARBON	10 k Ω	5 %	1/6 W	1-247-852-00	CARBON	7.5 k Ω	5 %	1/6 W	Changed

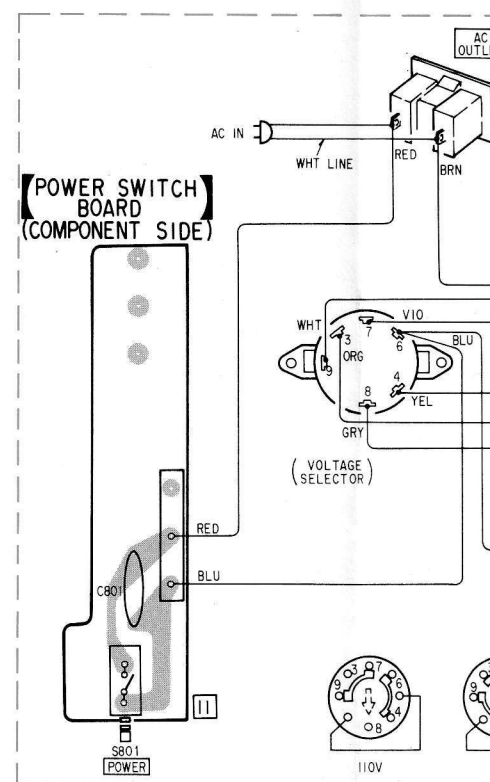
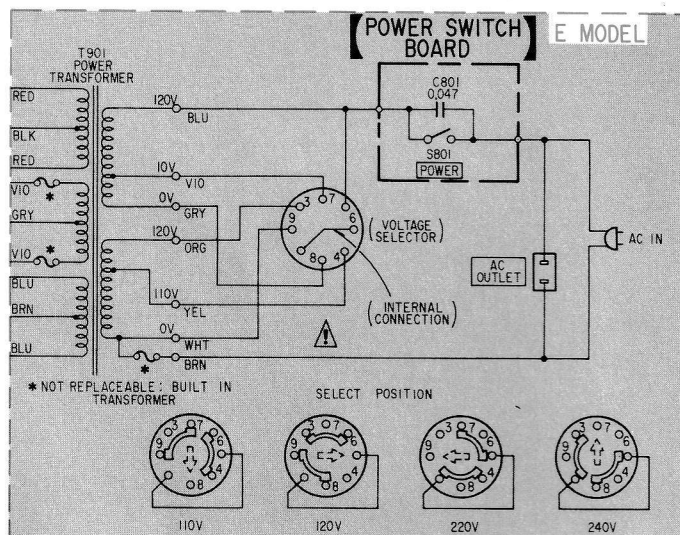
2. CHANGED PORTIONS IN THE SERVO AMP SECTION

 : new type changed portion

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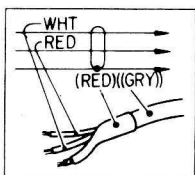


3. MOUNTING DIAGRAM — Audio Amp Section —

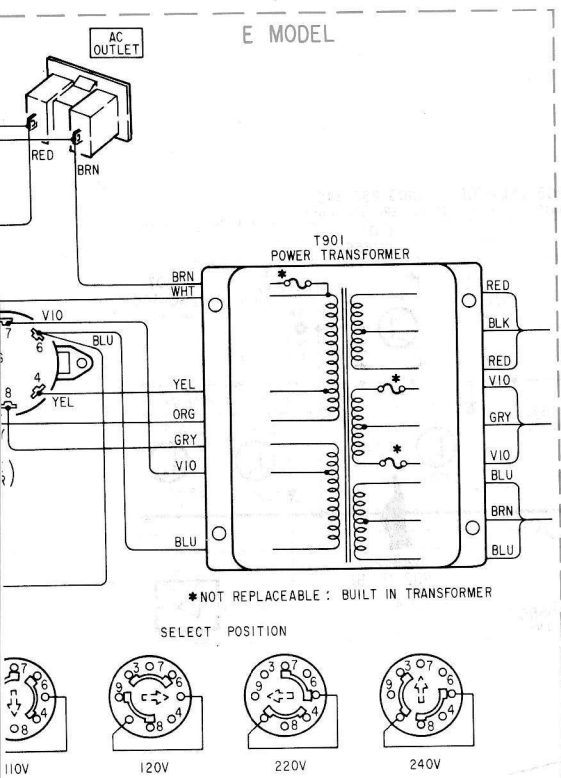


Note:

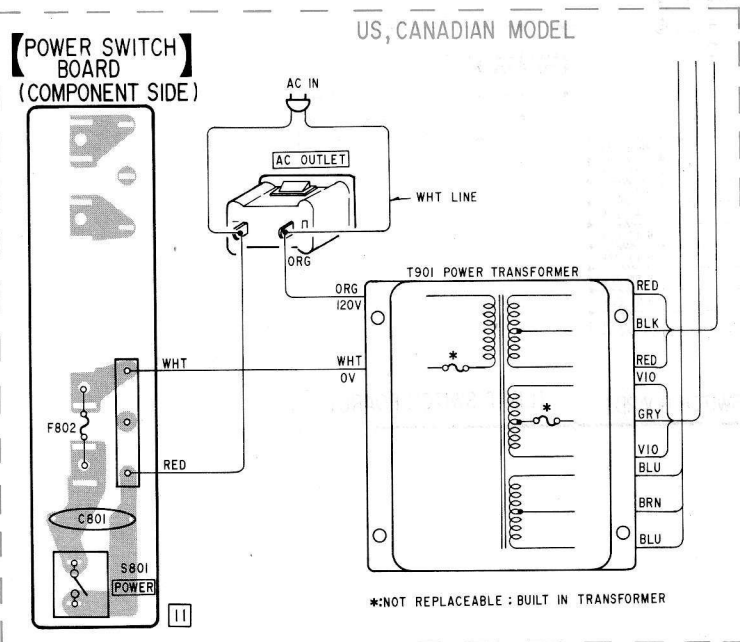
- Color code of sleeving over the end of the jacket.



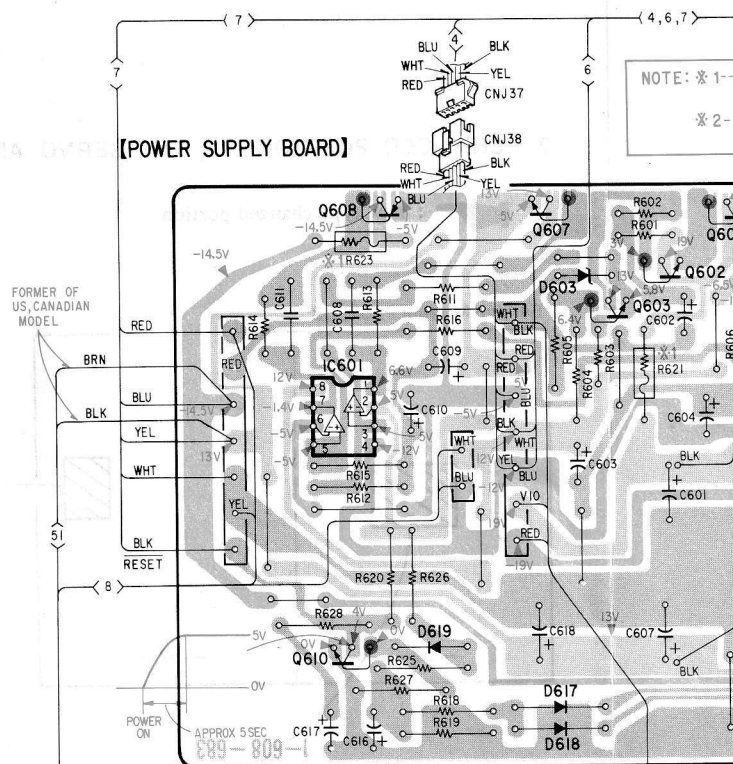
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : B+ pattern
- : B- pattern
- : signal path
- : L-CH signal path
- : R-CH signal path
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal conditions with a VOM (50 kΩ/V).
- no mark: STOP mode
- (): PLAY mode
- Waveforms are taken with respect to ground with oscilloscope.
- no mark: STOP mode
- (): PLAY mode
- ※ 1 to 4: AEP, UK and E models are different from US and Canadian models.



**(POWER SWITCH BOARD
BOARD
(COMPONENT SIDE))**

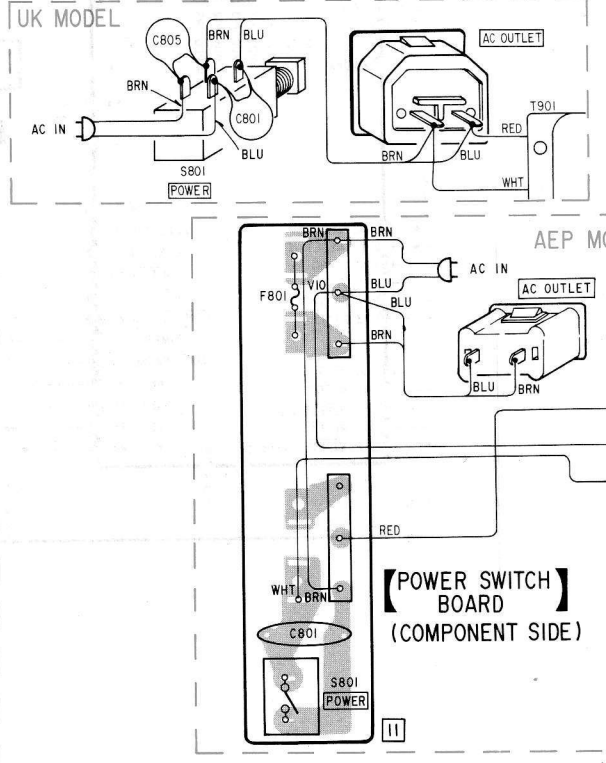


(POWER SUPPLY BOARD)

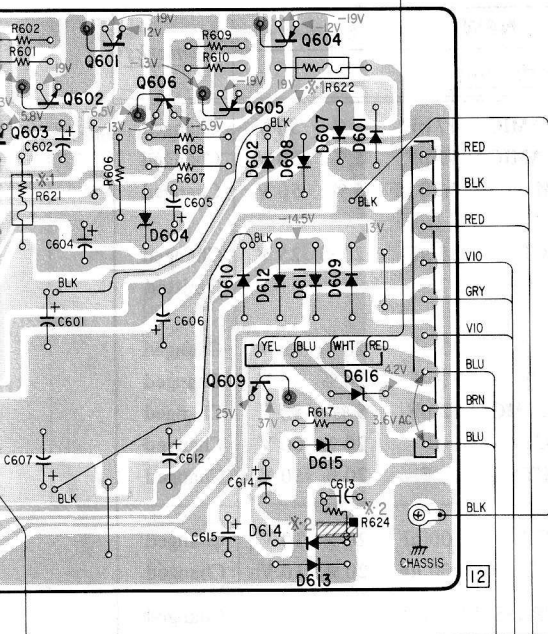


Q	608	607	602	601
IC	IC601	610	603	602
D	619	617	618	

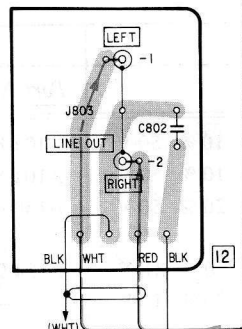
UK MODEL



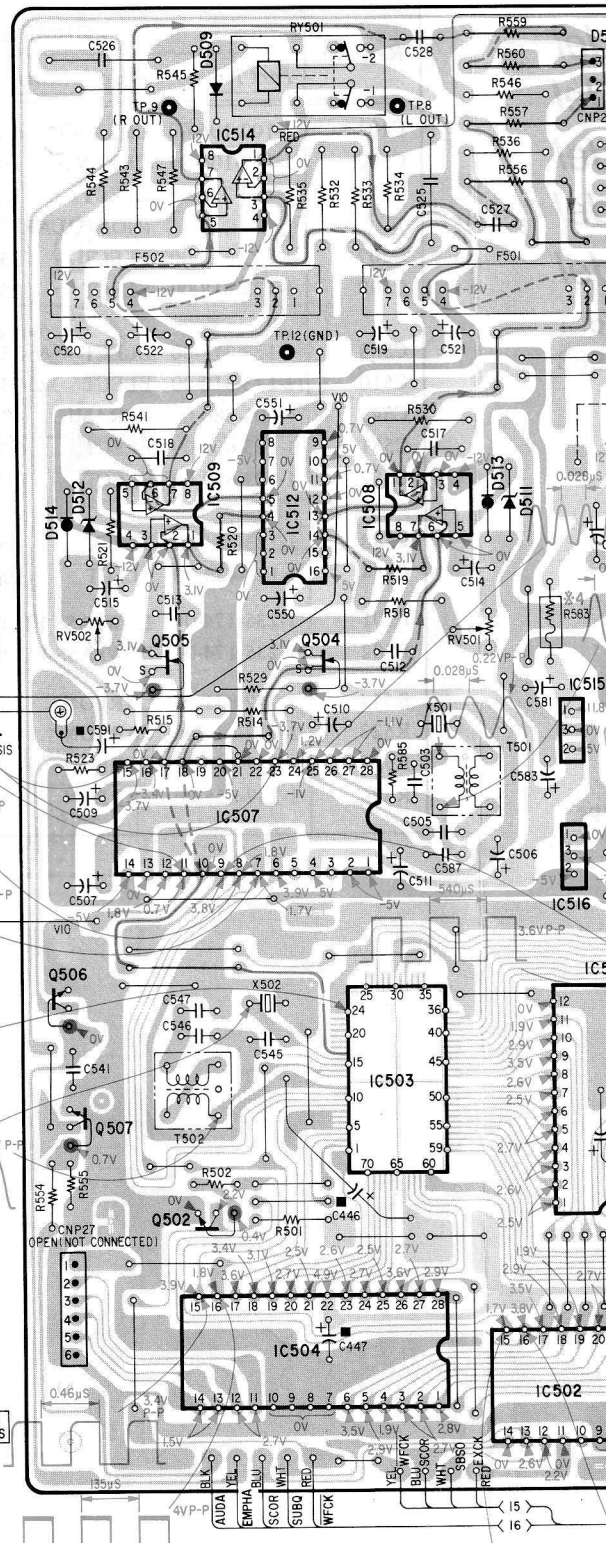
NOTE: * 1---AEP,UK,E : R621,622,623
US,CANADIAN: SHORTED
* 2---AEP,UK,E : R624
US, CANADIAN:



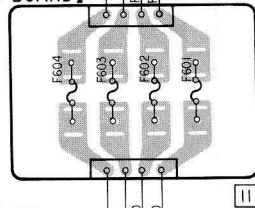
[LINE OUT BOARD]



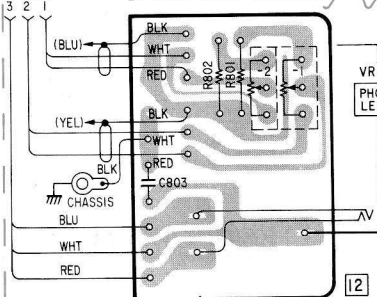
[AUDIO AMP BOARD]



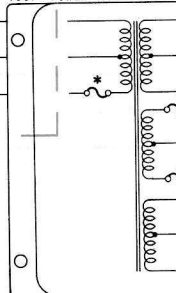
[FUSE BOARD]



[HEADPHONE BOARD]



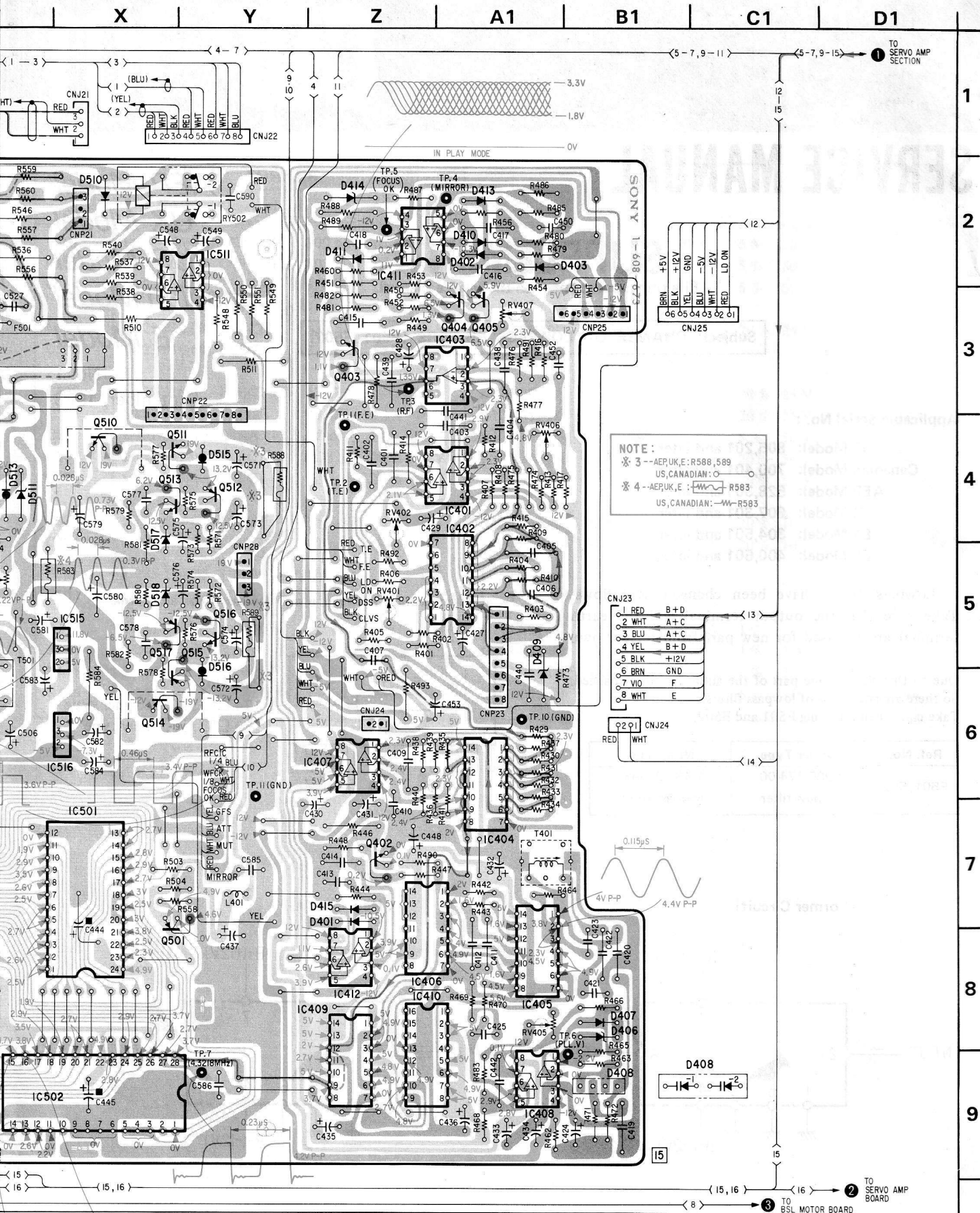
POWER TRANSFORMER



*:NOT REPLACEABLE: BUILT IN TRANSFORMER.

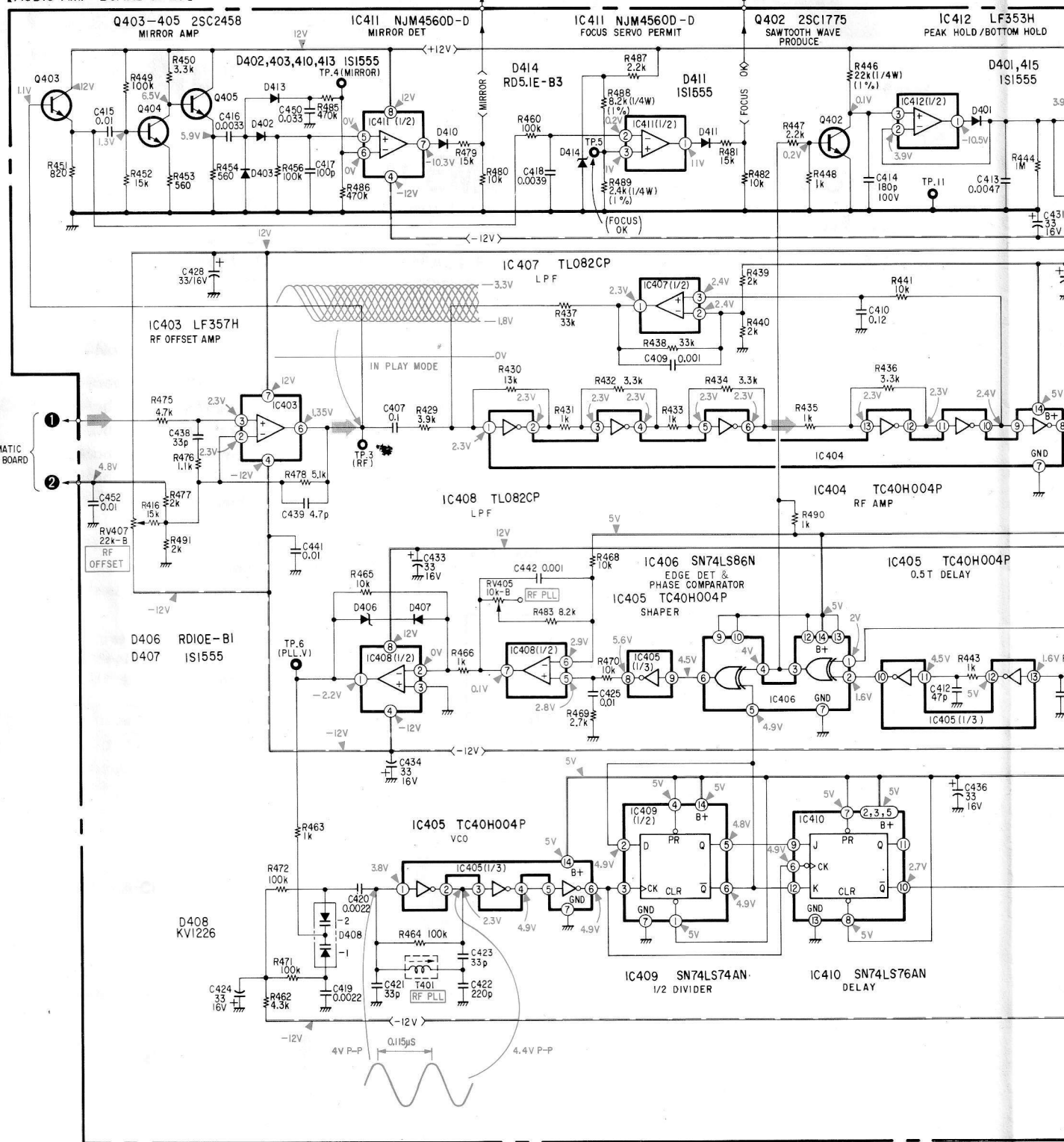
AEP, UK MODEL

Q	IC	IC509	IC514	IC512	IC508	IC515	IC516
D	514 512	505	502	504	503	513 511	



4. SCHEMATIC DIAGRAM — Audio Amp Section —

[AUDIO AMP BOARD (1/2)]



- All capacitors are in μF unless otherwise noted. pF : μF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in ohms, $\frac{1}{8}$ W unless otherwise noted. $\text{k}\Omega$: 1000 Ω , $\text{M}\Omega$: 1000 $\text{k}\Omega$
- — : B+ bus.
- - - - : B- bus.
- : adjustment for repair.
- Voltages are dc with respect to ground unless otherwise noted.
- $\Rightarrow$: signal path

- Readings are taken under no-signal conditions with a VOM (50 $\text{k}\Omega/\text{V}$).
- no mark: STOP mode
- () : PLAY mode
- Waveforms are taken with respect to ground with oscilloscope.
- no mark: STOP mode
- () : PLAY mode
- * 1 to 4: AEP, UK and E models are different from US and Canadian models.

Note: The con
are
part nu

Note: Les com
marque
remplac
spécifié.

Note: Volta

