

RCA VICTOR CRYSTAL PICKUP DATA

MODEL NUMBER	CRYSTAL CARTRIDGE		PICKUP ARM		NEEDLE SCREW Stock No.
	Stock No.	Fig.No.	Stock No.	Fig.No.	
V-1	33122	4	33591	5	33529
VR-1	33122	4	33591	5	33529
V-2	31156	3	34222	1	31160
VR-2	33122	4	33591	5	33529
V-3	33122	4	33591	5	33529
V-3A	S-3405	..	38602	3	..
VR-3	33122	4	33591	5	33529
V-4	34307	6	S-3043	8	33529
VR-4	33122	4	33591	5	33529
V-4A	38610	..	38602	3	..
V-5	33217	8	33589	9	31160
V5-A	S-3405	..	38602	3	..
V5-1	31050	2	S-3236	7	31160
* VR-6	31156	3	34222	1	31160
* VR-8	31156	3	34222	1	31160
* VR-8A	33905	5	34011	2	33529
* VR-8L	33905	5	34011	2	33529
* VR-8S	33905	5	34011	2	33529
* VR-10	31156	3	34222	1	31160
* VR-10A	33905	5	34011	2	33529
* VR-10S	33905	5	34011	2	33529
* VA-15	37158	7	36322	2	33529
* VA-15A	38610	..	38602	3	..
* VA-22	33905	5	34011	2	33529
* VA-23	37158	7	36322	2	33529
VR-40	33122	4	33591	5	33529
VR-41	33122	4	33591	5	33529
VR-42	33122	4	33591	5	33529
VR-44	31050	2	S-3235	7	38196
VR-44A	38610	..	38602	3	..
* VR-44C	38610	..	38602	3	..
VRA-45	34307	6	S-3043	8	33529
* VR-50	37158	7	36322	2	33529
* VR-51	37158	7	36322	2	33529
* VR-52	37158	7	36322	2	33529
VR-58	31050	2	S-3235	7	38196
* VR-59	37158	7	36322	2	33529
* VR-59A	38610	..	38602	3	..
U-60	31156	3	34222	1	31160
U-60A	31156	3	34222	1	31160
* VR-60	37158	7	36322	2	33529
* VR-61	37158	7	36322	2	33529
* VR-62	37158	7	36322	2	33529
* VR-63	37158	7	36322	2	33529
U-70	31156	3	34222	1	31160
R-93C	31050	2	** 9842	4	12539
R-93E	31050	2	** 9842	4	12539
R-94B	31156	3	34215	4	31160
R-96	31050	3	**31211	4	31160
R-96A	34307	6	S-3043	8	33529
R-97	38610	...	38602	3	..
U-106	14820	1	**14818	6	14822
* U-108	14820	1	**14818	6	14822
* RP-140	33905	5	34011	2	33529
* RP-152E	37158	7	36322	2	33529
* RP-158	38610	..	38602	3	..
* U-160	31156	3	34222	1	31160

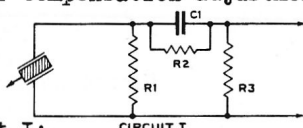
(*) Automatic Record Changers.

(**) Comprises Pickup arm with Crystal.

NEEDLE SCREWS			
Stock No.	Length	Stock No.	Length
12539	11/16 (In.)	33529	29/32 (In.)
14822	5/8 (In.)	38196	1-3/32 (In.)
31160	25/32 (In.)		

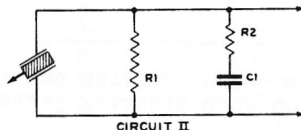
TONE COMPENSATION: (For Pickup Circuits.)

Because of the widely varying frequency characteristics of various types of audio amplifiers with which crystal pickups may be used, it may be desirable in some cases to make refinements in the pickup circuit to compensate for the characteristics of the amplifier. The following circuits show examples of compensation adjustments:



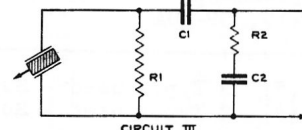
Circuit I:

Increasing R1 increases low frequency response.
Increasing C1 increases high frequency response.
Increasing value of R3 with respect to total value of R2 plus R3 increases the output.



Circuit II:

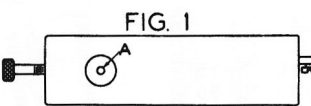
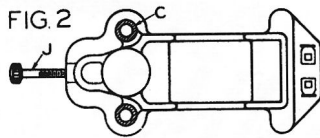
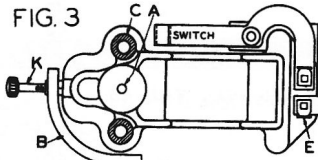
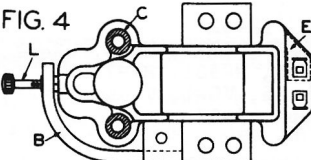
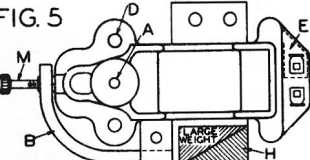
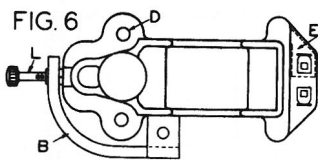
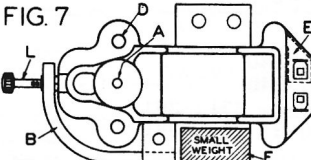
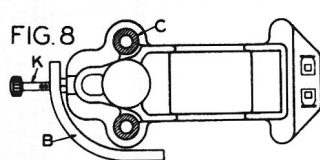
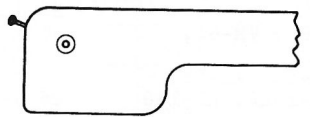
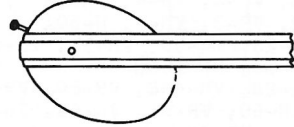
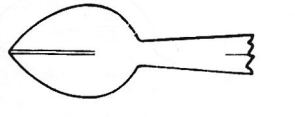
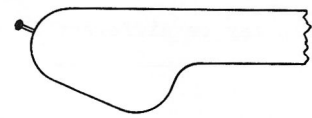
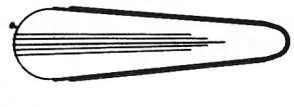
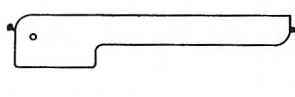
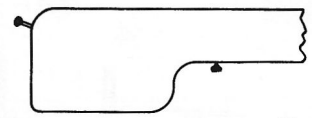
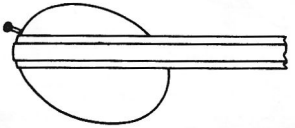
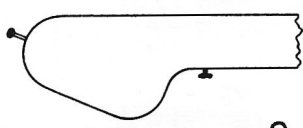
Increasing R1 increases low frequency response.
Increasing R2 increases high frequency response.
Decreasing C1 increases output.



Circuit III:

Increasing R1 increases low frequency response.
Increasing R2 increases high frequency response.
Increasing value of C1 with respect to total value of C1 plus C2 increases the output.

RCA VICTOR CRYSTAL PICKUP DATA

<u>Crystal Cartridge Drawing Code</u> "A" - Top Needle Hole "B" - Viscoloid Damper "C" - Thick (5/16-in.) Mtg. Hole "D" - Thin (7/32-in) Mtg. Hole "E" - Grounded Lug "F" - Small Weight "H" - Large "Cut" Weight	FIG. 1 	FIG. 2 								
FIG. 3 	FIG. 4 	FIG. 5 								
FIG. 6 	FIG. 7 	FIG. 8 								
PICKUP ARMS All Pickup Arms illustrated below are (Brown) in colour, except the following: <table border="1"> <thead> <tr> <th>Stock No.</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>S-3236</td> <td>Fig. 7 (Grey) Used on Model V5-1.</td> </tr> <tr> <td>34011</td> <td>Fig. 2 (Black & Nickel) Used on Model RP-140, etc.</td> </tr> <tr> <td>36322</td> <td>Fig. 2 (Brown & Nickel) Used on Model RP-152E, etc.</td> </tr> </tbody> </table>			Stock No.	Description	S-3236	Fig. 7 (Grey) Used on Model V5-1.	34011	Fig. 2 (Black & Nickel) Used on Model RP-140, etc.	36322	Fig. 2 (Brown & Nickel) Used on Model RP-152E, etc.
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 1	 2	 3								
 4	 5	 6								
 7	 8	 9								

THE ILLUSTRATIONS SHOW THE GENERAL APPEARANCE OF PICKUP ARMS; DETAILS MAY BE DIFFERENT IN VARIOUS NUMBERS FOR THE SAME GENERAL TYPE OF ARM.