

# PHILCO SERVICEMAN

RADIO • MANUFACTURERS • SERVICE • NEWS

JUNE, 1938



## HERE IS BIG NEWS! MARVELOUS RADIO EDUCATIONAL PROGRAM

### R.M.S. Members Have Chance of a Lifetime

RADIO MANUFACTURERS SERVICE announces one of the greatest opportunities which has ever been presented to the radio service industry. Through the facilities of R.M.S. and the Radio College of Canada in Toronto, Ontario, Philco has made it possible for servicemen to obtain a specially planned course in Radio Theory and Practice, at a very special price.

During the past few months, we have pointed out in various articles in the PHILCO SERVICEMAN the importance of a solid, basic radio theory foundation for the serviceman who intends to stay in business, and who expects to progress with the industry. The complicated radio circuits of to-day and television in the future, present to many servicemen a problem which can best be solved by a definite and supervised course of study.

For the man who has become rusty in his theory, here is a chance to get the kind of directed training which will remain with him always. For the practical serviceman who has never had the opportunity to receive much training in underlying radio principles, here is a chance to get that training which will affect his entire future. And this is an important consideration — the cost to you can be as little as \$8.00 a month if you wish.

In order to make this offer even more interesting, there is given with the course, without any extra cost, the brand new Model 177 Philco Signal Generator. This desirable new instrument is something that every serviceman wants and needs.

The Radio College of Canada numbers among its students men from all walks of life. It is particularly interesting to note that many of these radio students are graduate electrical engineers, radio engineers and servicemen, Government licensed commercial radio operators, members of the Royal Canadian Corps of Signals, radio technicians with the Ontario Department of Lands and Forests, besides school teachers, etc.

The 4-page announcement leaflet, enclosed with this issue of the PHILCO SERVICEMAN, tells the story completely. We urge every reader of the PHILCO SERVICEMAN to give the most serious consideration to his educational status at this time. Remember that all professional men—doctors, lawyers, ministers, engineers, and others—are constantly studying in order to better themselves.

This offer is open to anyone who wants to learn more about radio. It is not necessary that he be a member of R.M.S. at the time of enrolment. It is necessary, however, that he join R.M.S. before he is given the Certificate of Achievement which is awarded jointly by the Radio College of Canada and Radio Manufacturers Service.

If you will take a few minutes to sit down and think about your future in radio, and if you feel that your knowledge of radio theory could be improved, you should make your decision to go after this training at once. You will never regret it, and it will be one of the best investments you have ever made.

## Back Copies of R.M.S. Lessons Now Available

For those members who have joined Radio Manufacturers Service since the R.M.S. Radio Course was started, or if any of you have lost or mislaid your lessons, we now have available complete copies of all lessons issued in this course to date. These are available from R.M.S. headquarters at a cost of \$1.00.

We have found it necessary to make a charge for these lessons, to defray the cost of multigraphing and mailing.

Write to-day for these lessons, so that your file of the R.M.S. Radio Course will be complete!



Mr. F. J. LeClaire, of Wholesale Radio Service, PHILCO Transitone Service Station in Ottawa, Ontario.



# PHILCO VOLUME CONTROL

Part No.	USED IN PHILCO MODELS	LIST PRICE	Part No.	USED IN PHILCO MODELS	LIST PRICE
3076	86, 87, 511	\$1.65	33-5027	Gen'l. Repl. (with switch) (2 meg.)	\$1.65
3528	65	1.45	33-5028	" " " " (1 meg.)	1.65
3790	95	2.00	33-5029	" " " " (.5 meg.)	1.65
3879	76	1.20	33-5030	" " " " (.25 meg.)	1.65
4056	40	1.20	33-5031	" " " " (100,000 ohms)	1.65
4093	30, 96, 111, 112 (45 tubes), 112 (47 tubes), 211, 212, 296	1.65	33-5032	" " " " (20,000 ohms)	1.65
4094	20, 21, 41, 77	2.20	33-5033	" " " " (20,000 ohms)	1.65
4141	46	2.10	33-5034	" " " " (12,000 ohms)	1.65
4463	3 (Transitone)	2.10	33-5035	" " " " (8,000 ohms)	1.65
4513	220	1.40	33-5036	" " " " (5,000 ohms)	1.65
5039	70, 90 (2-45s), 470	2.00	33-5037	" " " " (50,000 ohms)	1.65
5056	370 Lazyboy	2.80	33-5038	" " " " (20,000 ohms)	1.65
5232	50	2.10	33-5039	" " " " (500,000 ohms)	1.65
5171	270	1.43	33-5040	" " " " (2,000 ohms)	1.65
5317	35	2.10	33-5041	Gen'l. Repl. (no switch) (2 meg.)	1.20
5615	264E	1.65	33-5042	" " " " (1 meg.)	1.20
5724	90 (1-47), 490	1.20	33-5043	" " " " (.5 meg.)	1.20
6015	70 (AVC), 90 (2-47s)	1.20	33-5044	" " " " (.25 meg.)	1.20
6109	7	2.10	33-5045	" " " " (100,000 ohms)	1.20
6307	370 (AVC)	2.75	33-5046	" " " " (20,000 ohms)	1.20
6415	48, 51, 52	1.20	33-5047	" " " " (20,000 ohms)	1.20
6499	22, 23, 47, 71, 91 (early)	1.20	33-5048	" " " " (12,000 ohms)	1.20
6694	15	1.45	33-5049	" " " " (8,000 ohms)	1.20
6781	36	2.25	33-5050	" " " " (5,000 ohms)	1.20
6892	43	1.75	33-5051	" " " " (50,000 ohms)	1.20
7013	56	1.90	33-5052	" " " " (20,000 ohms)	1.20
7050	15 (early)	1.20	33-5053	" " " " (500,000 ohms)	1.20
7239	337	2.10	33-5054	" " " " (2,000 ohms)	1.20
7322	8	2.10	33-5055	37-384, 384	1.65
7525	6, 9, 12, PA, PAL, PB	2.10	33-5056	G, CGD, CGDU, HGD (all code 121)	2.05
7808	(Use 6892)	—	33-5057	(Use 33-5011)	—
8054	14 (early), 15 (late), 91 (late)	1.20	33-5058	(Use 38-5606)	—
33-5000	319 (with police) 319 (128)	1.65	33-5059	49	1.65
33-5001	(Use 33-5011)	—	33-5060	024	1.20
33-5002	338, 81	1.20	33-5061	238	2.00
33-5004	319 (early), 389	1.65	33-5063	32	1.20
33-5005	80, 237	1.65	33-5064	334	1.65
33-5006	360, 366, 264, 265, 261, 505	1.65	33-5065	32	1.65
33-5007	389 (with police)	1.20	33-5066	28	—
33-5008	(Use 33-5021)	—	33-5067	FN, FT-6; CGD, CGDU, HGD (all code 122)	2.00
33-5009	5 (Transitone)	2.00	33-5068	144, 506	1.65
33-5010	54	1.65	33-5069	18 (124), 503	1.20
33-5011	53, 357, 358, 359	1.65	33-5070	(Use 33-5103)	—
33-5014	316 (121, 122, 123)	—	33-5071	200, 201, 509	1.65
33-5015	17 (Pot.)	1.20	33-5072	(Use 38-5851)	—
33-5016	(500,000 ohms)	2.00	33-5073	Potentiometer, 025	1.20
33-5017	(Use 33-5002)	—	33-5075	233	1.65
33-5020	339	1.65	33-5076	Regen. control—233	1.00
33-5021	025, 048A (ohmmeter adj.)	1.20	33-5077	Gen'l. Repl. (with switch) (50,000 ohms)	1.65
33-5022	(Use 33-5153)	—	33-5078	Gen'l. Repl. (no switch) (50,000 ohms)	1.20
33-5023	17	1.65	33-5079	Gen'l. Repl. (with switch) (30,000 ohms)	1.65
33-5024	14 (late), 318 (121), 3118, 507	1.65	33-5080	Gen'l. Repl. (no switch) (30,000 ohms)	1.20
33-5025	344, 504	1.65	33-5081	Gen'l. Repl. (with switch) (10,000 ohms)	1.65
33-5026	Room Speaker	1.65	33-5082	Gen'l. Repl. (no switch) (10,000 ohms)	1.20
			33-5083	(Use 33-5103)	—
			33-5084	(Use 38-6297)	—

★ Always Use GENUINE PHILCO PA

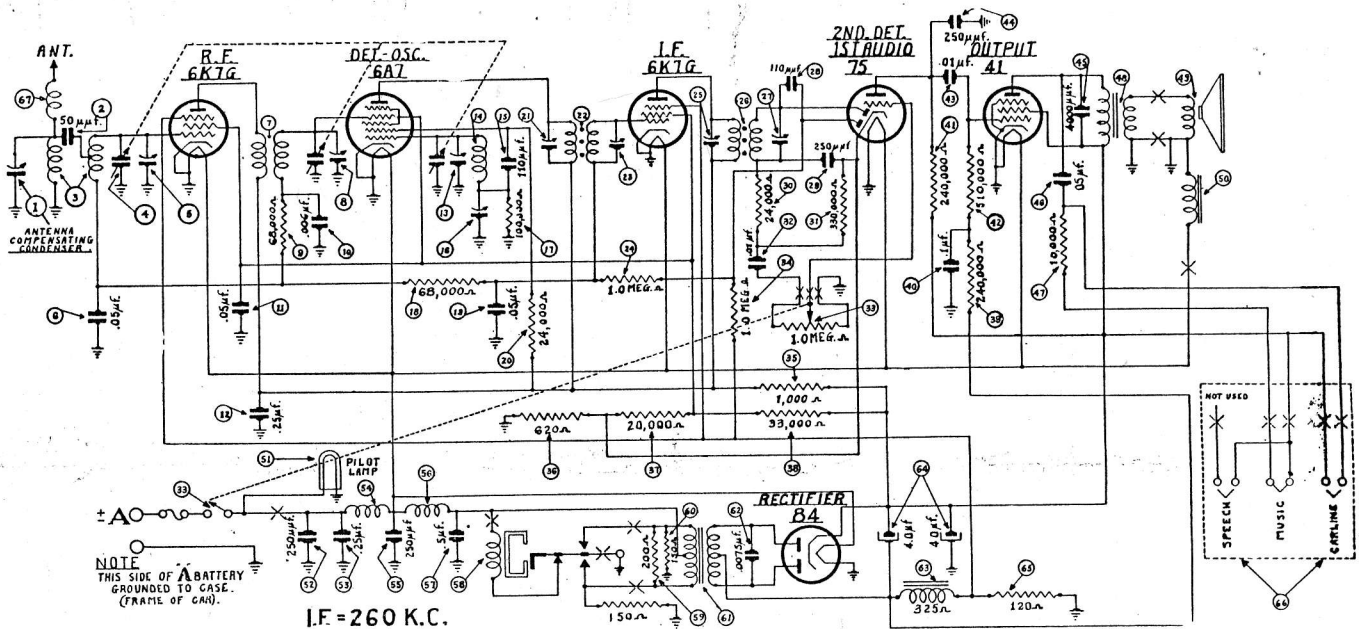


- - - Complete Listing by Part Numbers . . .  
 . . . With Models in Which Each is used - - -

Part No.	USED IN PHILCO MODELS	LIST PRICE	Part No.	USED IN PHILCO MODELS	LIST PRICE
33-5087	(Use 33-5154)	—	33-5165	37-338	\$1.20
33-5088	CT-2, HT-2, CT-5, PT-5	\$2.00	33-5166	37-3624, 37-641, 38-C624	1.10
33-5094	(Use 33-5154)	—	33-5168	025-A	1.95
33-5095	(Use 38-6605)	—	33-5169	37-333	1.65
33-5096	Tone Control 809	1.00	33-5172	Fidelity Cont. 37-3116	.95
33-5097	29, 345, 245	1.65	33-5173	Treble Cont. 37-675	1.00
33-5098	(Use 38-6635)	—	33-5176	Potentiometer 37-3116, 37-690	1.00
33-5101	Tone Control 806	1.00	33-5178	Sens. control 37-690	2.00
33-5102	97, 98	1.65	33-5182	Bass 37-690	1.95
33-5103	Fidelity Control 200, 201, 509	4.75	33-5183	37-690	1.35
33-5105	620, 625, 3630, 630-PF, 3635	1.65	33-5193	37-93, 38-93	1.95
33-5106	3610, 610-PF	1.65	33-5198	37-62	1.95
33-5108	3650, 650-PX, 3655	1.65	33-5202	L-1424, L-1427	1.25
33-5110	(Use 33-5155)	—	33-5206	901-902	1.00
33-5111	Hum Control 3116 (122), 680	1.00	33-5215	38-C10, 38-40	1.30
33-5113	640, 645	1.65	33-5216	38-8, 38-C9	1.20
33-5114	611	1.65	33-5224	38-5	1.35
33-5115	(Use 33-5142)	—	33-5225	38-C4, 38-C7	1.30
33-5116	641, 651	1.65	33-5226	38-C325	1.25
33-5117	680	1.20	33-5227	38-C324	1.25
33-5118	Bass Comp. 680	1.00	33-5228	38-22, 38-23	1.35
33-5119	643	1.65	33-5230	38-C12, 38-14, 38-15	1.95
33-5120	642	1.65	33-5233	38-C1, 38-C2	1.30
33-5121	CT-10, T-11, PT-14, CT-11, HT-11, C-1451, MT-14-X, P-1430, P-1432, C-1450, C-1452	1.20	33-5234	38-33, 38-39	1.35
33-5124	(Use 33-5144)	—	33-5235	38-C116 (Pot.)	1.35
33-5129	Sens. control PT-14	1.00	33-5236	(Use 33-5230)	—
33-5130	Sens. control PHXD	1.00	33-5237	38-34	1.95
33-5137	624	1.65	33-5240	38-690	2.40
33-5139	T-9, 811-P, 811-PV, FT-9, NT-12-X, ST-12, RT-14-X, LT-14-X3, NT-15, ST-15, R-1415, P-1417, N-1418, W-1419, C-1423, S-1431, N-1433, N-1434, G-1436, S-1437, F-1440, F-1440-X, F-1442, F-1442-X, S-1516, P-1517, N-1514, G-1418	1.20	33-5241	38-690 (Pot.)	2.40
33-5141	T-11 (tone control)	.90	33-5243	38-C12	1.25
33-5142	3623	1.65	33-5245	N-1524, P-1530, G-1528	1.35
33-5144	680 (Pot.)	1.20	33-5246	P-1535, L-1560	1.35
33-5145	602, 37-602	1.65	33-5249	38-33	1.95
33-5148	816, 3817, 821-P, 821-PV, 826, 3827, 827-K, 828, 828-K, S-1416	1.20	33-5250	905	1.35
33-5149	818-K, 818, 819, 819-H	1.20	33-5251	S-1526	1.35
33-5150	Tone (819)	1.20	33-5253	38-35	1.95
33-5152	600, 37-3600	1.75	33-5257	C-1550	1.25
33-5153	316 (125, 126, 127), 3116-B (121)	1.75	33-5260	F-1540	1.25
33-5154	338 (124)	1.20	33-5268	729	1.50
33-5155	3116X (125), 116-PX, 500, 501, 660, 3665	1.75	33-5269	629	1.75
33-5157	37-60, 37-34, 37-361, 37-89, 38-60, 38-89	1.20	38-5280	10, NCD, SCD, NDD, SDD, CDS	2.25
33-5158	38-C3, 37-9, 37-310, 37-311, 37-3116, 37-3116 (121), 38-C116 (125), 37- 3610, 37-611, 37-2620, 37-620 (125), 37-3623, 38-C623, 37-3630, 37-3630 (125), 37-3640, 37-643, 37- 2650, 37-3650, 37-660, 37-665, 37- 2670, 37-3670, 37-675, 38-620, 38- 2620, 38-2670	1.20	38-5511	DPV, E	2.00
			38-5534	11 (airplane dial), 700, DPV, HHD, CRD, HRD	2.20
			38-5606	11, 800 NJD, SJD, NQD, SQD	2.00
			38-5851	10 (122), 800 (122), 802, HHD	2.00
			38-5935	SCD, NDD	2.00
			38-6022	PHD	2.00
			38-6297	PQD, NT-3, RT-3, ST-3	2.35
			38-6605	806, 809, 810-P, 810-PV, NT-8	1.85
			38-6635	805	2.05
			38-6636	808	2.00
			38-6786	NT-7, ST-7-X	1.75
			38-7630	37-604	1.75
			38-7968	P-1421	2.50
			38-8120	38-8120	1.95
			38-8596	P-1426	2.40
			45-2381	604	2.40

**PTS for REPAIRING PHILCO RADIOS!**

PHILCO MODEL 729



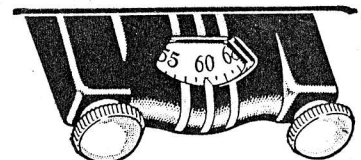
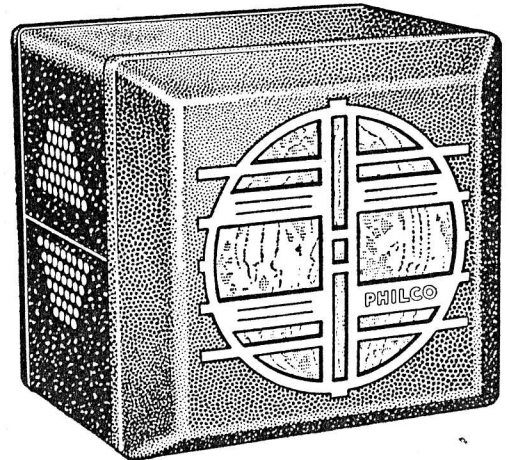
# PHILCO AUTO RADIO MODEL 729

The Philco Model 729 has many outstanding features. The antenna circuit is designed for the new Philco automobile aerials, and the receiver should not be used with the older types of aerials with their high capacity. The new Philco aerials have the proper capacity and efficiency to get the maximum performance from this receiver.

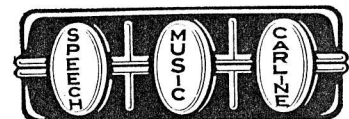
Special precautions have been taken to prevent ignition noise getting into the receiver, making this receiver very easy to install.

A new feature of this receiver is the Reception Control, which allows the owner to select various tone qualities by means of push buttons. Extreme flexibility is provided in the mounting of the control head and the reception control. They may be mounted as separate units, or the reception control may be mounted underneath, and fastened to the control head.

The circuit design is of the usual Philco high standard, and provides sensitivity, selectivity, and tone quality second to none in the automobile radio field. A special antenna compensating condenser is provided which should be adjusted to exactly match the antenna at the time the receiver is installed.



PHILCO CONTROL



RECEPTION CONTROL

## PHILCO PRODUCTS LIMITED

TORONTO, ONTARIO

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