1

# Date 4 - 2 - 34PHILCO TRANSITONE Page SERVICE BROADCAST

**MARCH**, 1934

# **CHRYSLER • DODGE • PLYMOUTH • CAR RADIO**

The Model "CGD" is a custom built radio which is made exclusively for the Chrysler Corporation and its various car divisions and which is sold only through their dealer organizations.

The Receiver and controls are specially designed for installation in the 1934 Chrysler Six Models CA and CB, the Dodge Models DR and DS and the Plymouth Models PE and PF. Many of these cars will be equipped at the car factory with the Philco custom built radio. In many others, the installation will be made by you in your service stations. Don't file this "Service Broadcast" in your Office. The men in your service station must know how to install and service these radios if you expect to get your share of this profitable installation and service work.

Carefully unpack the cartons and check the contents with the material packing lists. Examine the parts and compare them with illustrations given in these instructions so that you may become familiar with them and thus make the installation easily and quickly.



### **Receiver and Speaker Installation**

Refer to Figure 1, which gives detailed dimensions for the location and drilling of the holes in the dash. Remove the paint from the dash for  $\frac{3}{4}''$  from around the holes to insure good ground contact after drilling. All dimensions are shown from the engine side of the dash. After drilling the holes, bolt the two (2) mounting brackets to the inside of the dash, using both the flat and the lockwashers under the

nuts. The left-hand bracket (over the steering column) is for the speaker unit; the right-hand bracket is for the Receiver.

Remove the car wiring cable outlet grommet cap on the lefthand side of the dash, so that the battery cable can be installed. Push the metal fuse housing end of the cable through the grommet from the engine side, leaving just enough slack so that the cable can be connected and fastened in place as shown in Figure 4. Route the cable through the clip that holds the car wiring harness and along under the floor boards to the battery. Replace the grommet and cap, but do not

OT LIGHT CONNECTION -GROUND TERMINAL SCREW RADIO RECEIVER VOLUME CONTRO GROUND TERMINAL SCREW CONTROL AMOUNTING SCREW TUNING CONTRO COUPLING MOUNTING BRACKET FIGURE 2 FIGURE 3

connect the cable terminal to the battery terminal at this time. The Receiver mounting plate must be fastened to the Receiver housing, using the four (4) self-tapping screws. Four (4) holes are provided for these screws in the side of the housing. To fasten the speaker mounting plate to the speaker, first remove the four (4) hexhead machine screws from the back of the speaker. Use these same four (4) screws to fasten the mounting plate to the back of the speaker. Figures 2 and 3 show the correct positions of the brackets

and mounting plates. Hang the Receiver on its bracket and fasten it securely with the hex-head retaining screw at the bottom of the plate.

Before installing the speaker, remove the car wiring fuse on ammeter. To get the speaker in place turn it sideways with the back against the left front kick pad. Then slide it in between the kick pad

and the steering column. Push the clutch pedal down to get sufficient clearance and then turn the speaker around over the steering column with its back against the dash. Hang the speaker in place on its bracket and fasten it securely with the hex-head retaining screw at the bottom of the plate. The battery cable must be placed over top of speaker.

Connect the interconnecting cable to both the Receiver and the Speaker, the six (6) hole plug connecting to the Receiver and the four (4) hole plug to the Speaker. The shield terminals at the cable ends must be grounded

under their respective ground terminal screws on the Receiver and Speaker housings, shown in Figures 2 and 3. Ground the pigtail in the center of the cable to the dash, using the hole that holds the dash lining retainer and the 8-32 screw.

The antenna lead branches out of the interconnecting cable near the Receiver. Place this lead over the top of the Receiver, splice, and tape it to the antenna lead-in as close as possible to where the lead-in leaves the front right windshield pillar. Cut off excess car

lead-in. The shielding must be grounded to the cowl panel by drilling a  $\frac{1}{8}''$  hole where the hood overlaps and as close to the A pillar as possible, using the 8-32 bolt and nut supplied for this purpose. (See Figures 4 and 5.) Remove paint from around hole.

Place the fuse and fuse insulator in the metal fuse housing of the battery cable and connect it to the small fuse connector which branches out of the interconnecting cable close to the Speaker. The two (2) shield terminals at the fuse housing must be connected under the same terminal screw that is used to ground the speaker cable shield at the speaker. Figure 4 shows the general layout of the cables and connections.

## Instrument Panel Control

Remove the ash receiver from the panel with an upward pull. Remove the ash receiver bezel from the panel by compressing the retaining tabs at the bottom of the bezel assembly. This can be done best by using a screw-driver and working from in back of the instrument panel. While pushing up on an end tab, pull the bezel forward and it will come out.

Loosen the two (2) screws which secure the instrument board brace to the instrument board flange. The cradle assembly can then be slid forward. Next, loosen the bolts on the brace in back of the instru-

ment panel and remove the toggle spring. Slide the entire assembly forward and remove. Figure 6 gives the details of the ash receiver assembly, while Figure 7 gives an enlarged view of the Section A in Figure 6. Be sure to tighten all bolts and screws that were loosened for this operation. (See Note 1.)

Loosen the car lighting switch to permit more working space.



FIGURE 5

nuts tightened to draw the control bezel flush with the instrument panel. (See Figure 8.) Replace and tighten the car lighting switch.

The flexible shafts must be placed around to the Receiver. The ends of the two (2) shafts are different so that they can only be installed in the proper couplings. The long shaft and housing is on the left of the control unit, while the short one is on the right.

While this operation is not absolutely necessary, it makes the following operation easier.

INTERFERENCE

CONDENSER (I-MFD.)

again.

ASH RECEIVER

SH RECEIVER

OWL VENTILATO

INSTRUMENT BOARD

Push the flexible shafts of the control through the opening in the panel and install the control unit in this opening.

The "U" retaining clamp must be placed over the studs on the back of the control and the hex-

ASH-

INSTRUMENT BOAR

**Battery Connections** Connect the battery lead to the negative terminal of the storage battery. Be sure this connection is tight. The shield terminal must be connected to positive or ground terminal of the storage battery.

The set screws on the coupling bushings must be loosened suffi-

ciently to allow the shaft housings and couplings to be properly seated. After the shafts have been coupled, tighten the set screws

The black lead from the control unit must be connected to the pilot light terminal on the Speaker. (See Figure 3.)

#### Adjustment

Turn on the Receiver and tune in a station whose frequency in kilocycles is known. (The numbers on the dial represent channel numbers which, with the addition of a cipher, become the frequency numbers.) Pull the knob from the right-hand control shaft and loosen the set screw found there. (See Figure 8.) Turn the shaft

until the indicator points to the correct number on the dial. Then tighten the set screw and replace the knob.

### Motor Interference Suppression

Cut the elbow terminals from the spark plug cables and screw on the molded bakelite elbow suppressor terminals. Cut off the end of the distributor center lead cable and screw the straight



STORAGE

BATTERY

molded resistor into the lead. Then plug this into the distributor cap. Install a one microfarad by-pass condenser on the generator. Mount it on the generator frame under the screw that holds the generator relay in place. Connect the condenser lead under the screw that connects the generator battery lead to the relay

NOTE 1 .- A hole large enough for the dash control has been provided in the center of the instrument panel in all standard Plymouth Model, Code PF. This hole is covered with a special Plymouth plate which can be removed easily by forcing it out from the rear with the fingers or with a screw-driver.

ASH RECEIVER CRADLE

FIGURE 6



FIGURE 4

(see Figure 4). Install a  $\frac{1}{2}$  microfarad by-pass condenser, splicing and soldering it to the dome light lead as close as possible to the point where it enters the windshield pillar. The condenser must be

fastened to the cowl panel in front of the hood line by drilling a  $\frac{1}{4}$ " hole where the hood overlaps and as close to the pillar as possible, using the 8-32 bolt and nut supplied for this purpose. (See Figures 4 and 5.) Remove paint from around hole. Replace the car lighting fuse—test the lights and horn.

There may be some interference caused by an excessive gap between the distributor rotor and the high tension contacts. This can be overcome by lengthening the contact end of the rotor.

The following procedure should be carefully followed: Remove

the distributor cap and chalk the inside faces of the stationary contacts. Remove the rotor and place the contact end on a small anvil or steel block. Peen or hammer the end carefully with a small machinists' hammer. Replace the rotor and the cap, then turn the engine over by hand. After a couple of revolutions, examine the distributor cap to see if the rotor has scraped or touched any of the stationary contacts in the cap. If so, dress lightly with a fine file. Repeat the above operation until the rotor just clears the contacts.

In some stubborn cases, it may be necessary to solder a bond to the control wires and tubes where they enter the dash, grounding them securely under one of the dash grommet cap screws. No. 14 stranded and tinned copper wire can be used for this purpose, a length of which is provided (see Figure 9). Be sure that all the high tension wires are properly seated in their sockets in the distributor cap.



An additional  $\frac{1}{2}$  microfarad condenser may at times be used to advantage. This condenser should be mounted on the bottom edge of the instrument board and connected to one of the terminals on the ignition switch directly behind the instrument panel.

#### I. F. Transformer and Padders

The new style I. F. transformer complete with padders is used in the Model G.

The padders are placed in the top of the shield can one above the other.

The primary padder is adjusted by means of the screw slot, accessible through the hole in the top of the shield can. The secondary padder is adjusted by means of the small hex nut, also accessible through the hole in the top of the shield. (See Figures 10 and 11.) The coil windings terminate in leads instead of terminals or lugs.

The color scheme of the leads is given in Figure 1.

If replacements are ever necessary, replace out the entire coil assembly 32-1236 for the first I. F. stage and 32-1237 for the second I. F. will be furnished separately. Order only by OWNER CHARGE AND A CONTRACT AND

## Model G Adjustments

All adjustments have been carefully checked at the factory. If, however, it is found necessary to readjust the padding condensers, this procedure must be followed carefully. Do not attempt to make any adjustments until the procedure is clearly understood or without the use of a good oscillator or signal generator and output meter. The Philco Set Tester 048 is highly recommended for this procedure and for all service work.

The Receiver must be connected to a six-volt storage battery and turned on for operation. It is assumed that tubes have been checked and that the Receiver is in good condition except for the padding adjustments.

Remove the lid from the Receiver. Remove the grid cap from the 6A7 tube (for location see Figure 11).

Set up the signal generator and adjust it to exactly 260 K. C. Connect the generator lead to the grid cap of the 6A7 tube. (See Figure 11.) The output meter must be connected by means of an adapter to the small prong of the speaker plug and to the chassis.

The Receiver volume control must be turned on to approximately full volume and the attenuator in the generator set for a half-scale reading of the output meter.



#### FIGURE 11

The padders (2) and (3) are adjusted first (Figures 11 and 12). Turn the adjusting screw (2) all the way in. A metal screw-driver can be used for this. Then, with generator attenuator set so there is approximately half-scale reading, adjust the nut (3) with a fibre wrench for the maximum reading on the output meter.

Then adjust the screw (2) for maximum reading on the meter. This adjustment is critical. Note the maximum reading obtainable and then turn the screw in again and readjust, just bringing the adjustment up to the maximum reading. Do not pass it and then back off.

Repeat the above procedure with the condensers (15) and (18).

After padding the first I. F. stage, remove the generator lead from the 6A7 tube and reconnect the grid lead to the 6A7 tube. Set the generator to 1500 K. C. and then connect the generator lead to the antenna lead.

There are four holes in line, one in each of the sections of the tuning condenser housing. (See Figure 11.) Place a nail of the size that fits snugly through the holes and then turn the condenser plates out of mesh until they strike against the nail.

With the tuning condenser in this position adjust the high-frequency padder 9 until the maximum reading is obtained in the output meter. This is the true setting for 1500 K. C., 150 on the dial scale.

Next turn the condenser plates in mesh to 140 on the scale, 1400 K. C., and set the signal generator for 1400 K. C. The R. F. padder (3) and the antenna padder (3) are next adjusted for the maximum reading on the output meter.

Turn the condenser plates in mesh to 60 on the scale, 600 K. C., and readjust the signal generator to this frequency. Adjust the low-frequency padder (13) for the maximum meter reading.

Recheck the adjustments and then remove all test leads. If this procedure has been carefully followed and an accurately calibrated oscillator or signal generator used, the Receiver is adjusted properly.



FIGURE 8

#### Page 4

#### PHILCO TRANSITONE SERVICE BROADCAST



$(\mathbf{I})$	Antenna Transformer
(2)	Tuning Condenser
3	1st Padder (on tuning cond.)
à	Besistor (99 000 ohms) 6099
S	Condenser (03 mfd) 30-4025
Ö	B F Transformer 32-1221
S	Condensor (03 mfd) 30-4025
8	2nd Padder (on tuning cond.)
8	2nd Padder (on tuning cond.)
3	Braisten (51,000 abma)
	Carillatan Transforman 29 1999
	Conductor Transformer
	D 11
	Padder
4	Resistor (15,000 onms) 6208
(15)	Padder (Prim. 1st 1. F.)
$\bigcirc$	part of 32-1236 assembly
(16)	1. F. Transformer (1st)32–1236
(UT)	Resistor (1,000,000 ohms) 33–1096
(18)	Padder (Secondary 1st I. F.)
$\sim$	part of 32–1236 assembly
(19)	Condenser (.03 mfd.)30-4025
(20)	Condenser (.5 mfd.)30–4018
(21)	Resistor (500 ohms) 6977
(22)	Resistor (500,000 ohms) 6097
23)	Condenser (.00011 mfd.)30-1006
(24)	Padder (Prim. 2nd I. F.)
	part of 32–1237 assembly
25	part of 32–1237 assembly     I. F. Transformer (2nd)32–1237
25 26	part of 32-1237 assembly I. F. Transformer (2nd)32-1237 Padder (Secondary 2nd I. F.)
(H) (H) (H) (H) (H) (H) (H) (H) (H) (H)	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly
<b>(3)(3)</b>	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 (Carlier (25,000 ohms)33–1013
<b>\$\$</b>	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–1006 Condenser (.000 mfd.)30–1018
<b>3</b> 3 (733)	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–1006 Condenser (.0006 mfd.)30–4125 Valuers (.0006 mfd.)35 5056
<b>18 1 1 1 1 1 1 1 1 1 1</b>	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–1006 Condenser (.006 mfd.)30–4125 Volume Control Assembly35–5056 Resister (2000 000 - here)
<b>\$\$</b> \$\$\$\$\$;	part of 32-1237 assembly I. F. Transformer (2nd)32-1237 Padder (Secondary 2nd I. F.) part of 32-1237 assembly Resistor (25,000 ohms)33-1013 Condenser (.00011 mfd.)30-4125 Volume Control Assembly33-5056 Resistor (2,000,000 ohms)33-1025 Resistor (2,000,000 ohms)32-1027
<b>33</b> 5333333	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–4125 Volume Control Assembly33–5056 Resistor (2,000,000 ohms)33–1027 Resistor (250,000 ohms)33–1027 Resistor (250,000 ohms)33–1027
88 58885858	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.0001 mfd.)30–1006 Condenser (.006 mfd.)30–1125 Volume Control Assembly33–5056 Resistor (2,000,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (0250,000 ohms)33–1097
88 68888888	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–1006 Condenser (.006 mfd.)30–1025 Resistor (2,000,000 ohms)33–1025 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Condenser (.00011 mfd.)30–1007 Condenser (250,000 hms)33–1097
<b>33</b> (533333)	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.0001 mfd.)30–1006 Condenser (.006 mfd.)30–4125 Volume Control Assembly33–1025 Resistor (2,000,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Condenser (.0001 mfd.)30–1006 Resistor (50,000 ohms)33–1097 Resistor (50,000 ohms)33–1097 Resistor (50,000 ohms)33–1097
\$\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–4125 Volume Control Assembly33–5056 Resistor (2,000,000 ohms)33–1027 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (51,000 ohms)6098
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.000 nfd.)30–4125 Volume Control Assembly33–1025 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (51,000 ohms)30–4123 Condenser (.006 mfd.)30–4123 Condenser (.006 mfd.)30–4123 Condenser (.006 mfd.)
88488888888888888	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.000 mfd.)30–1006 Condenser (.000 mfd.)33–1057 Volume Control Assembly33–1057 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (51,000 ohms)6098 Condenser (.006 mfd.)30–4123 Condenser (20 mfd.)30–4123 Condenser (20 mfd.)30–2063
\$	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.0001 mfd.)30–1006 Condenser (.006 mfd.)30–1025 Volume Control Assembly33–5056 Resistor (2,000,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Condenser (.00011 mfd.)30–1006 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (51,000 ohms)30–107 Resistor (51,000 ohms)6098 Condenser (.006 mfd.)30–2063 Resistor (500,000 ohms)6097 Resistor (700 ohms)60443
E E E E E E E E E E E E E E E E E E	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.0001 mfd.)30–1006 Condenser (.006 mfd.)30–1026 Resistor (2,000,000 ohms)33–1025 Resistor (2,000,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Condenser (.00011 mfd.)30–1006 Resistor (50,000 ohms)33–1097 Condenser (.000 ohms)33–1097 Resistor (51,000 ohms)30–4123 Condenser (.006 mfd.)30–4123 Condenser (20 mfd.)6098 Resistor (500,000 ohms)6097 Resistor (500,000 ohms)6097 Resistor (500,000 ohms)6097
\$\ <b>E</b> \ <b>E</b>	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.00011 mfd.)30–4125 Volume Control Assembly33–5056 Resistor (2,000,000 ohms)33–1027 Resistor (250,000 ohms)33–1097 Condenser (.00011 mfd.)30–1006 Resistor (250,000 ohms)33–1097 Condenser (.00011 mfd.)30–1006 Resistor (250,000 ohms)33–1097 Resistor (51,000 ohms)33–1097 Resistor (50,000 ohms)6098 Condenser (.006 mfd.)30–2063 Resistor (500,000 ohms)6443 Condenser (.006 mfd.)30–4024 Contenser (.006 mfd.)30–4024
\$	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.000 nfd.)30–4125 Volume Control Assembly33–1025 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (250,000 ohms)33–1097 Resistor (50,000 ohms)30–4123 Condenser (.006 mfd.)30–4024 Condenser (.006 mfd.)30–2063 Resistor (500,000 ohms)6097 Resistor (500,000 ohms)6443 Condenser (.006 mfd.)30–4024 Output Transformer
\$	part of 32–1237 assembly I. F. Transformer (2nd)32–1237 Padder (Secondary 2nd I. F.) part of 32–1237 assembly Resistor (25,000 ohms)33–1013 Condenser (.000 mfd.)30–1006 Condenser (.000 mfd.)30–1025 Resistor (250,000 ohms)33–1097 Resistor (50,000 ohms)30–1006 Resistor (500,000 ohms)6098 Condenser (.006 mfd.)30–4123 Condenser (.006 mfd.)30–4024 Output Transformer2598 Cone and Voice Coil36–3159 Field Coil Assembly
\$	part of $32-1237$ assembly   I. F. Transformer (2nd) $32-1237$ Padder (Secondary 2nd I. F.)   part of $32-1237$ assembly   Resistor (25,000 ohms) $33-1013$ Condenser (.00011 mfd.) $30-4125$ Volume Control Assembly $33-5056$ Resistor (250,000 ohms) $33-1025$ Resistor (250,000 ohms) $33-1025$ Resistor (250,000 ohms) $33-1097$ Resistor (250,000 ohms) $30-1006$ Resistor (51,000 ohms) $6098$ Condenser (.006 mfd.) $30-4123$ Condenser (20 mfd.) $30-2063$ Resistor (500,000 ohms) $6097$ Resistor (700 ohms) $6443$ Condenser (.006 mfd.) $30-4024$ Output Transformer $2598$ Cone and Voice Coil $36-3159$ Field Coil Assembly $36-3140$ Tone Control $30-4127$
\$	part of $32-1237$ assembly I. F. Transformer (2nd) $32-1237$ Padder (Secondary 2nd I. F.) part of $32-1237$ assembly Resistor ( $25,000$ ohms) $33-1013$ Condenser (.00011 mfd.) $30-4125$ Volume Control Assembly. $33-5056$ Resistor ( $2,000,000$ ohms) $33-1025$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $250,000$ ohms) $33-1097$ Condenser (.00011 mfd.) $30-4106$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $51,000$ ohms) $6097$ Resistor ( $50,000$ ohms) $6097$ Resistor ( $500,000$ ohms) $6443$ Condenser (.006 mfd.) $30-4123$ Condenser (.006 mfd.) $30-4243$ Condenser (.006 mfd.) $30-4024$ Output Transformer $2598$ Cone and Voice Coil $36-3159$ Field Coil Assembly $30-4127$ Condenser ( $255, 25$ mfd.) $30-4126$
\$	part of $32-1237$ assembly I. F. Transformer (2nd) $32-1237$ Padder (Secondary 2nd I. F.) part of $32-1237$ assembly Resistor ( $25,000$ ohms) $33-1013$ Condenser (.00011 mfd.) $30-4125$ Volume Control Assembly. $33-5056$ Resistor ( $2,0000$ ohms) $33-1025$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $51,000$ ohms) $6098$ Condenser (.006 mfd.) $30-4123$ Condenser ( $20$ mfd.) $30-2063$ Resistor ( $700$ ohms) $6043$ Condenser (.006 mfd.) $30-4123$ Condenser ( $20$ mfd.) $30-4203$ Resistor ( $700$ ohms) $6443$ Condenser ( $20$ mfd.) $30-4127$ Condenser ( $25,25$ mfd.). $30-4126$ Resistor ( $25,25$ mfd.). $30-4126$
\$	part of $32-1237$ assembly I. F. Transformer (2nd) $32-1237$ Padder (Secondary 2nd I. F.) part of $32-1237$ assembly Resistor ( $25,000$ ohms) $33-1013$ Condenser (.000 nfd.) $30-4125$ Volume Control Assembly $33-5056$ Resistor ( $250,000$ ohms) $33-1027$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $250,000$ ohms) $33-1097$ Resistor ( $51,000$ ohms) $30-4125$ Condenser (.006 mfd.) $30-4026$ Condenser ( $20 mfd.$ ) $30-2063$ Resistor ( $500,000$ ohms) $6097$ Resistor ( $500,000$ ohms) $6043$ Condenser (.006 mfd.) $30-4024$ Output Transformer $2598$ Cone and Voice Coil $36-3159$ Field Coil Assembly $30-4127$ Condenser (.25, $25 mfd.$ ) $30-4127$ Condenser (.25, $25 mfd.$ ) $30-4127$ Condenser (.25, $25 mfd.$ ) $30-4024$



50 Condenser (.5 mfd.)	
(51) Resistor (200 ohms)	7217
(52) Condenser (.01 mfd.).	
(53) Resistor (100 ohms)	
(54) "A" Choke	
(55) Condenser (.5 mfd.)	30-4015
56 Vibrator Choke	32-1260
(57) Condenser (.5 mfd.)	30-4015
58 Condenser (.5 mfd.)	
59 Vibrator Unit	38-5036
60 Condenser (.05 mfd.).	
(i) Resistor (200 ohms)	7217
62 Resistor (200 ohms)	7217
63 Power Transformer	
(64) Condenser (.006 mfd.)	
65) Filter Condenser (4	mfa.
8 mfd.)	
66 "B" Chokes	32-7118
B P F Chake	22-1260

	FIGURE	13

60	111-1 T
68)	J not Lamp
	Spark Plug Resistor
	Distributor Resistor 33-1113
	1 mfd. Condenser 4522-S
	1/2 mfd. Condenser
	Glass for Control27-7325
	Beze! Assembly
	Dial (Plymouth)
	Dial (Dodge & Chrysler 6).42-5122
	Pointer (Dodge)
	Pointer (Plymouth) 28-1763
	Pointer (Chrysler 6)
	Control Assembly (Ply-
	mouth)
	Control Assembly (Dodge).42-5112
	Control Assembly (Chrys-
	ler 6)

Knobs (Plym.—tuning)....27-4083 Knobs (Plym.—volume)...27-4084

**PHILCO** TRANSITONE

PHILADELPHIA, PA.

Knobs (Dodge-tuning)....27-4079 Knobs (Dodge-volume).. 27-4080 Knobs (Chry. 6-tuning). .27-4071 Knobs (Chry. 6-volume). .27-4072 Interconnecting cable......41-3065 Flexible Shaft-tuning.....28-8188 Flexible Shaft-volume....28-8198 Speaker Mounting Plate...28-1790 Speaker Mounting Bracket. 28-1791 Receiver Mounting Plate...28-1792 Receiver Mounting Bracket.28-1848 7227 "U" Control Bracket......29-1705 6-Prong Socket..... 7547