

CONVERSIONS OF EX-GOVERNMENT EQUIPMENT.TR1196 (TYPE 25 UNIT) CONVERSION.

THIS UNIT MAY EASILY BE MADE INTO AN EFFICIENT ALL-WAVE RADIO, USING ANY "OSMOR" MAINS-SUPERHET COILPACK, AND ILLUSTRATED REPRINTS OF AN ARTICLE EXPLAINING THIS (PUBLISHED IN "THE RADIO CONSTRUCTOR") ARE AVAILABLE FROM US, PRICE 1/-d. EACH. EXCELLENT REPORTS OF RESULTS HAVE BEEN RECEIVED FROM MANY CUSTOMERS.

THE H.F. VALVE (V1) MAY BE RETAINED IF DESIRED, UTILISING A 3-GANG TUNING CONDENSER AND AN APPROPRIATE "OSMOR" H.F. STAGE, AS LISTED. THIS IS USEFUL IF THE RECEIVER IS TO BE USED AS A CAR-RADIO FOR EXAMPLE, WHERE EXTRA SENSITIVITY IS NEEDED. OUR 6-VALVE CIRCUIT SHOWS THE EXTRA CONNECTIONS REQUIRED, AND IT IS RECOMMENDED THAT THE H.F. VALVE BE MOUNTED ON A SMALL AUXILIARY CHASSIS SCREWED TO THE SIDE OF THE TR1196 CHASSIS, WITH THE H.F. STAGE ASSEMBLY AND ITS TRIMMERS UNDERNEATH ADJACENT TO THE VALVEHOLDER. THIS WILL ASSIST IN SCREENING THE ANODE AND GRID CIRCUITS OF THE H.F. VALVE FROM EACH OTHER.

THE TR1196 I.F. TRANSFORMERS ARE ALREADY TUNED TO 460 k/c, AND IT IS NOT NECESSARY TO RETUNE THESE. SLIGHT FINAL ADJUSTMENT OF THE COILPACK TRIMMERS ONLY WILL BE REQUIRED, AS PER THE INSTRUCTIONS WE SUPPLY.

MAIN COMPONENTS REQUIRED. (SEE LISTS FOR DETAILS AND PRICES).

- 1) ANY "OSMOR" MAINS SUPERHET COILPACK, AS LISTED (PLUS SUITABLE H.F. STAGE IF REQUIRED).
- 2) 2-GANG .0005 TUNING CONDENSER (OR 3-GANG IF USING H.F. STAGE).
- 3) TYPE A 3-WAVE GLASS DIAL ASSEMBLY OR METAL DIAL. WHERE DIALS ARE ORDERED SEPARATELY PLEASE STATE THE WAVEBANDS REQUIRED.
- 4) DRUM, DRIVE, SPRING AND CORD.
- 5) SEVEN SMALL CONDENSERS AND ELEVEN RESISTORS, AS DETAILED IN THE ARTICLE.
- 6) ONE EACH OF THE FOLLOWING ELECTROLYTICS: 8 x 10 uF AND CLIP, 8uF 450 V.W., 25 uF 25 V.W. (LISTED).

POWER SUPPLY HEATER TRANSFORMERS ARE LISTED FOR THE BASIC CONVERSION, OTHERWISE AN ORTHODOX POWER-PACK MAY BE PREFERRED, AS PER OUR 5 OR 6 VALVE CIRCUITS, USING THE FOLLOWING: MAINS TRANSFORMER, 8 x 16uF ELECTROLYTIC CONDENSER, CHOKER, 5Z4 RECTIFIER AND OCTAL VALVEHOLDER. FOR A CAR-RADIO A SUITABLE VIBRATOR POWER-PACK WILL, OF COURSE, BE USED TO SUPPLY H.T., THE VALVE FILAMENTS BEING FED FROM THE BATTERY IN PARALLEL (6v) OR SERIES-PARALLEL (12v). WITH 12v THE 6V6 MAY BE SEPARATELY WIRED WITH A BALLAST-RESISTOR, OTHERWISE A 12v VALVE SHOULD BE USED INSTEAD.

OUTPUT. 6V6 AND OCTAL VALVEHOLDER, 5" OR 8" SPEAKER AND OUTPUT TRANSFORMER.

TYPE 18 RECEIVER CONVERSION.

THIS SUCCESSFUL CONVERSION OF A BATTERY SET WAS FULLY DESCRIBED IN THE FEB. AND MARCH 1951 ISSUES OF "PRACTICAL WIRELESS" AND THE FOLLOWING NECESSARY COMPONENTS ARE STOCKED:

OSMOR TYPE B COILPACK WITH FRAME AERIAL.)	<u>RESISTORS:</u> 10K ½ watt.
2-GANG .0005 TUNING CONDENSER.)	3.3K "
EXTENSION SPINDLE.)	1 Meg. "
1 MEG VOLUME CONTROL WITH SWITCH.) AS LISTED.	47K ½ watt.
BRITISH TOP-CAP GRID CLIP WITH SCREENED LEAD.)		15K "
<u>CONDENSERS:</u> 50pF 200pF (2x100pF), .01uF.)	(PRICE 3d EACH)

TYPE 21 RECEIVER CONVERSION.

THIS WAS DESCRIBED AND ILLUSTRATED IN THE DEC. 1951 AND JAN. & FEB/MAR. 1952 ISSUES OF "RADIO CONSTRUCTOR". IN ADDITION TO OTHER PARTS, MANY OF WHICH ARE LISTED, THE FOLLOWING STANDARD OSMOR COMPONENTS ARE USED: COILPACK TYPE HQ, H.F. STAGE TYPE LN, R.F. CHOKE TYPE QC1. (ALL AVAILABLE FROM STOCK).

(SEE OVER).