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FORMO COMPONENTS ALL BRITISH

| | .0005 Var. Condensers7/- |
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| | .00015 Var. Condensers7/- |
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| | Formo-Densers (Semi-Compression type). Max. Cap001, min., .0002, each 2/3 |
| | Formo By-Pass Condensers, 2 mfd., 4/9; 1 mfd., 4/ |
| | Formo Vernier Dials, 2-3in. diam. 4/3 each |
| | Formo Midget Reaction Condenser, .0001 each 4/- |
| | Mozart Tone Control, adjustable to any set each 19/- |
| | Siemens' Horn Speakers. Were £2/12/6Now 19/6 |
| ř | Brandes Elipticon Speakers. Were £6/10/Now £3 |
| ۹. | Brandes Inductor Dynamic Speakers. Were £5/10/Now £3/17/6 |
| | Panelling, Siemens' Ebonite, 3-16th thickness, 21 x 7 |
| | Igranic Transformers, 3 to 1 and 6 to |

Window Lead-in Strips. Now 11d. ea. Best Quality Phone Cushions. Were 34ft. Steel Masts, complete with Stay-Were 47/6. Now 36/6 wire, etc. 4½-V. C Batteries (Bond), 1/9 each 1½-V. Dry Cells, 2/- each Blue Spot 66P Loud Speakers, each, Differential Condensers, .0002, 5/9 and 7/9

l ratio, nickel core.

Were 20/-.

Now 16/6

Igranic 50,000 ohm. Variable Resis-5-Wire Battery Cables, 6ft. length, tags all ends2/9 each Lighting Flex, silk covered, 23/36 6d. per yd. Condor Valves, 4-volt, .1 amps., post

..... 6/6 each Vesta 3-Volt Valves, with sprung sockets, take .06 amps. post free, 5 Valve alone, post free 3/6

Orders for all components to the value of 15/- Post Free.

BUY NOW as some stocks will soon ba depleted.

> QUICK REPAIRS 'PHONE 22-357.

Flashlight Corner, 2 Courtenay Place, WELLINGTON

the bottom. Be sure you get these two of the set as a whole. last-mentioned components in this posi-

It must be borne in mind that the shield will come exactly five inches

No. of Turns for Broadcast Coils. .00035 Condenser. 2in. Former. Regeneration .00025 Differential.

Radio and Detector: Secondary 82 turns 26 d.s.c.

Detector Coil:

Secondary 78 turns 26 d.s.c. Tickler 50, 30 d.s.c.

from the left-hand end. About a quarter of an inch at the bottom of the panel on the long side drill three holes to which the screws are to pass into the strip that is supporting the three-ply baseboard. Affix the components to the panel, noting that the tuning condensers are to be mounted at an angle of about 45 deg. with the baseboard. is preferable to mount the rheostat with the terminals up. Now take your baseboard and lay out the components as shown in the diagram. Slight alterations in position may be necessary owing to slightly different sizes of various makes of components. Note particularly the way the valve-holders are turned round. If you do not get them round the right way, you will find that when the set is finished the wiring will be long and unsightly. Generally speaking, the valves are toward the back edge and the coils are near the front of the set. It is well, when laying out the components, to put the shielding in

Parts List of "Kestrel Three"

Ebonite panel, 14in. x 7in. Ebonice panel, 14in. x 7in., Three-ply baseboard, 14in. x 7in., with quarter-inch slats to protect under baseboard wiring.

Aluminium screening box, 7in. x 5in. x 6in. open on two sides and top. 2 .00035 variable condensers. 2 vernier dials.

1 .00025 differential condenser. 1 30 ohms rhoostat.

30 ohms rheestat.

400 ohms baseboard mounting potentiometer.

filament switch,

.0001 condensers with grid-leak

1 .0002 condenser

2 megs. grid-leak with holder. 10 megs. grid-leak (for short-wave). UX sockets or 3 UX and 2 English.

.5 mfd, by-pass condenser. .05 by-pass condenser. midget condenser.

push-pull battery switch transformer, ratio 3½ or 4-1. single output jack.

r.f. choke. terminals with short terminal strip.

4in. armoured cable.

Special coils for broadcast or two
four-inch lengths of two-inch former.

4lb. 26 d.s.c. wire. 8 or 9 yards of 30 gauge d.s.c. wire, 6 wire battery cable.

hand side of the panel, that is, it is 6in. position and lay the components out on in position. from the right hand end and 2in. from it as well. You can then get an idea quite firmly held.

> pierce the shield where the switch is fear of its touching the screen. to come through, and also to fasten it

The shield will then be

When the components have been fit-The shielding consists of three sides ted into position, take a scriber or similast-mentioned components in this position, otherwise you will have difficulty of an aluminium box 44in. wide by 7in. lar sharp instrument and mark where with the screen. If you are using a long and 6in. high. Unless you have the screws are to go through them to big rheostat it is better to move both facilities for bending the aluminium, do the baseboard. Move the components rheostat and differential condenser in not attempt to do it yourself, but order one by one and make sure that the drill-to 64in. or 68in. from the end. This it from your dealer, bent to the shape ing points are marked before the comwill, to some extent, spoil the look of indicated. A copper box would do quite ponent is removed. Apart from screw the set, but better do this at the start as well. It fits flush with the left-hand holes, the point where the baseboard than discover, after the hole is bored, end with the metal end up against the must be drilled to allow a wire to go that the condenser and rheostat have panel. When it is fitted in position, through to the other side has been clear-to be shifted and other holes drilled. hold it steady and mark the point ly indicated. Before mounting the It must be borne in mind that the where the r.f. condenser shaft is to go midget condenser that is to go in the through. This can now be drilled and aerial, make certain that no part of it ringed out to the right size, and the con- will touch the shield. For this reason denser mounted. It will hold the shield we recommend one of the types with a in position, while the rest of the lay-out bakelite base. This can then be screwis completed. It might be as well to ed down to the baseboard without any

(To be continued next week.)

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