

## A.W.A. ALL TRANSISTOR CAR RADIO

### Models 990-A, 991-A and 992-A

**These correspond to the Ford Falcon Radio Models  
XM-18805-A, XM-18805-B and XM-18805-C respectively**

This supplement contains the latest circuits for Models 990-A, 991-A and 992-A together with the following list of modifications that have been incorporated. For all other information refer to the original manual.

#### Model 990-A:

To improve stability:

The first i.f. transformer TR1 is a new type, 52155 and its shunt capacitors are  $680 \text{ pf} \pm 5\%$  125VW polystyrene 224776.

C21 the collector by-pass was deleted when this transformer was introduced.

C25 is now a  $0.01\mu\text{f} \pm 20\%$  200VW AEE W99 capacitor 228609.

C20 is now a  $0.25\mu\text{f} \pm 20\%$  200VW AEE W48 capacitor 229007 R36 a  $68\text{ohms} \pm 10\%$   $\frac{1}{2}$  watt resistor 603560 has been added.

Diode MR1 is now connected to the emitter of VT3.

#### Models 991-A and 992-A:

In the original circuit there is an error in the driver transistor VT5. This transistor, type 2N649, is an NPN type and the emitter should have been drawn as in the accompanying circuit.

To improve the R.F. trimmer range:

C6 is now a  $140\text{pf} \pm 5\%$  125VW polystyrene capacitor 222633.

To improve the effect of the Tone Control:

C21 is now a  $0.1\mu\text{f} \pm 20\%$  200VW AEE W48 capacitor 228931.

R15 is now a  $2.2\text{K ohms} \pm 10\%$   $\frac{1}{2}$  watt resistor 609442.

To reduce the possibility of the Volume Control becoming noisy:

C25 is now a  $4\mu\text{f}$  10VW Electrolytic 228189.

To reduce 910Kc/s whistle:

C32 a  $0.04\mu\text{f} \pm 20\%$  200VW AEE W99 capacitor 228750 and R27 a  $470 \text{ ohms} \pm 10\%$   $\frac{1}{2}$  watt resistor 606588 have been added.

To improve temperature compensation in the tuner:

C11 is now an  $82\text{pf} \pm 5\%$  N150 disc capacitor 222135.

To improve converter stability:

R28 a  $22 \text{ ohms} \pm 10\%$   $\frac{1}{2}$  watt resistor 602320 has been added.