

Ferguson

Models 378 RG & 379 RG Auto. Radio- Gramophones

SERVICE DATA (Schedule A Production)



378 RG



379 RG

Models 378 RG & 379 RG incorporate the same basic receiver chassis as earlier models 376 RG & 377 RG. As a comprehensive SERVICE MANUAL for the latter has been published (Part No. N.14343/1), reference to same is recommended for fuller information.

SPECIFICATION

Mains Voltage

200—250 Volts A.C., 50 c.p.s.
Power Consumption 52 Watts (Radio).
67 Watts (Gram.).

Waveranges

Long Wave - - - 1098—2027 Metres.
Medium Wave - - - 188—547 Metres.
V.H.F./F.M. - - - 87—101 Mc/s.

Loudspeakers

378 RG.—8in. x 6in. elliptical, 3 Ω speech coil.
379 RG.—
Low Frequency - 10in. diameter, 3 Ω speech coil.
Medium Frequency 8in. x 6in. ellip., 3 Ω speech coil.
High Frequency - 4in. diameter, 10 Ω speech coil.
All are permanent magnet type.

Pilot Lamps

6.5 Volts, 0.3 Amps.

Valves

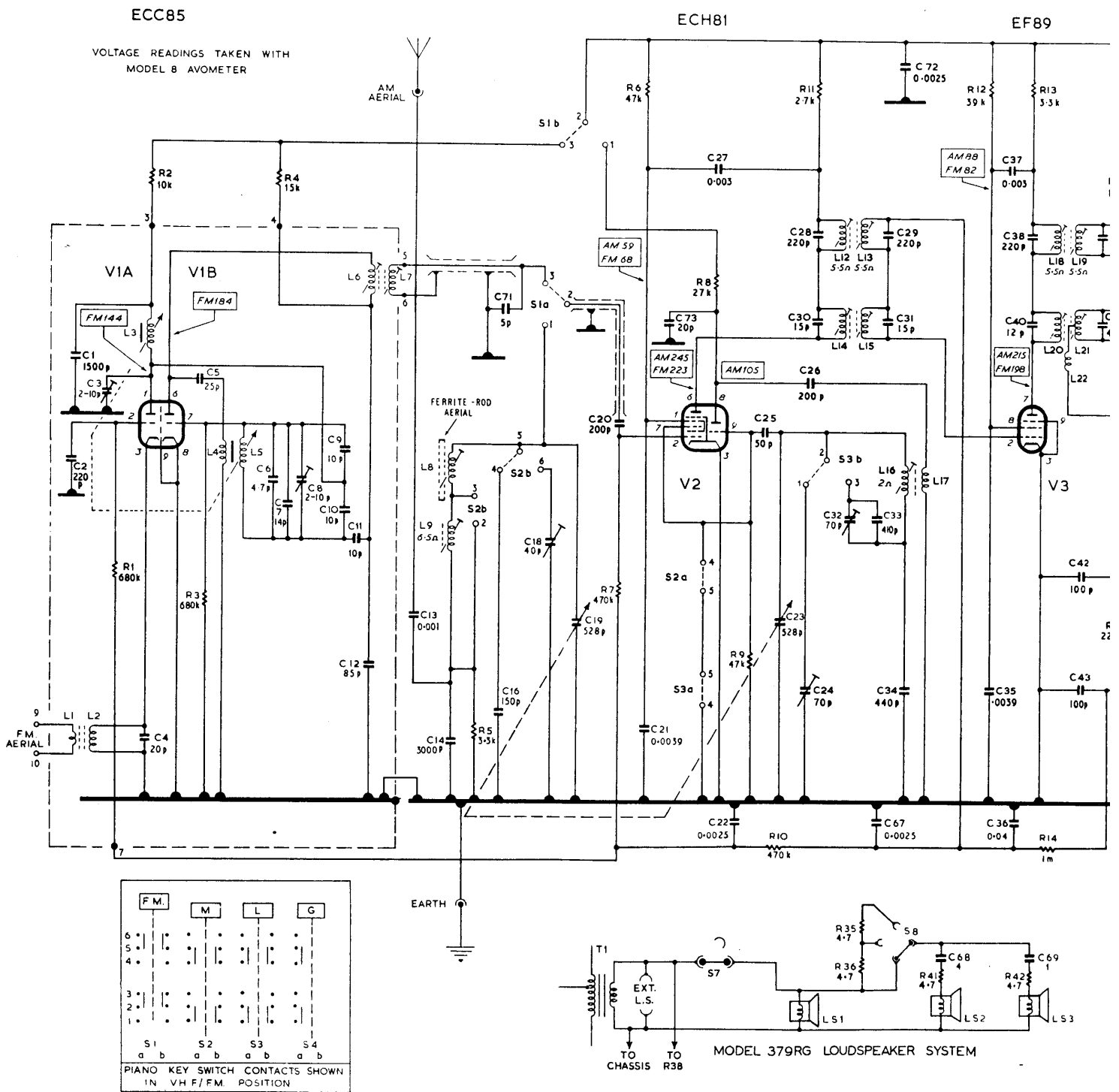
ECC 85 - V.H.F. Amplifier and Mixer.
ECH 81 - A.M. Frequency changer and F.M.
I.F. Amplifier.
EF 89 - - A.M. and F.M. I.F. Amplifier.
EABC 80 - A.M. and F.M. Detector, A.G.C. and
Audio Amplifier.
EL 84 - - Audio Output.
EM 81 - Tuning Indicator.

Record Changer

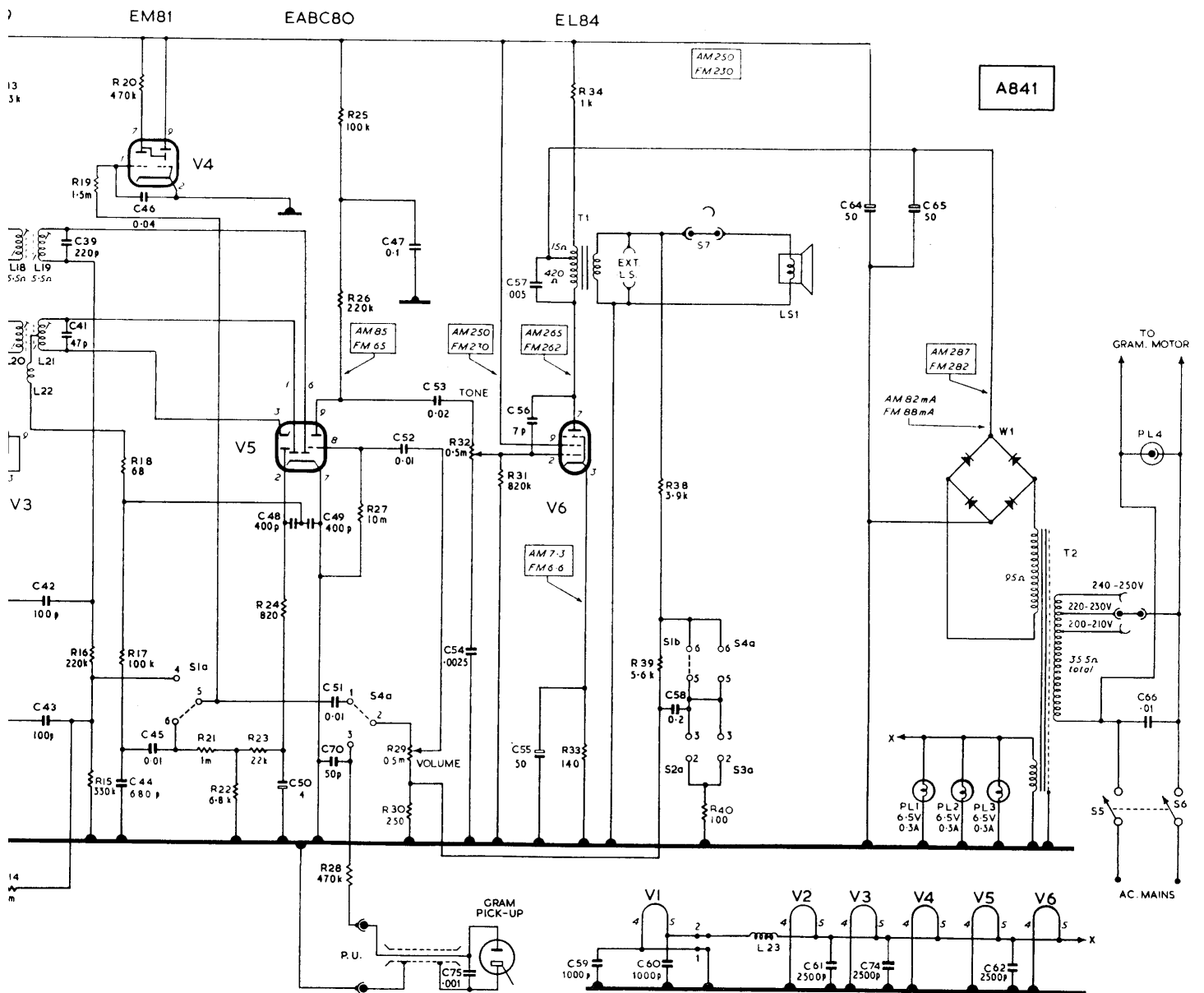
Collaro "CHALLENGER"
Stylus replacement Studio "O" STD. & LP.

Cabinet Dimensions

378 RG.—45 inches wide x 31 inches high
x 15 $\frac{1}{4}$ inches deep.
379 RG.—43 inches wide x 33 inches high
x 16 $\frac{3}{4}$ inches deep.



Circuit diagram applicable to both models. The capacitor C75, in parallel with the pickup is fitted only in the 379 RG and the loudspeaker system in this model is shown separately below the main diagram. The single pole change-over switches shown in the diagram represent sections of the contact wafers associated with the piano key type Waverange/On-Off switch. The actual arrangement of contacts on the switchbank is also shown inset and the various groups of contacts are lettered and numbered so that they may be identified in the main diagram.



In both diagrams the switching is shown with V.H.F./F.M. key depressed. The mains On-Off switch contacts are omitted from the switch diagram for clarity.

In the 379 RG, L.S. 1 effectively reproduces only low frequencies, the medium and high frequencies being divided between, respectively, L.S. 2 and L.S. 3.