

"TRADER" SERVICE SHEET

666

FERRANTI SERVICE CHART

Principal Accessories and Components Used in Ferranti Receivers from 1931 to 1941

(For components, etc., see overleaf)

VALVES

| TYPE OF RECEIVER | V1 | V2 | V3 | V4 | V5 | V6 | V7 |
|------------------------------------|-------------|---------------|----------------|------------|-----------|------|-----|
| 1931-2 Model 31 (No speaker) AC | S4V | MHL4 | P625 | U9 | — | — | — |
| 1932-3 Model 32 Cons. AC ... | S4VB | 354V | P625 | U10 | — | — | — |
| Model 32 R/gram AC ... | S4VB | 354V | LS5A | LS5A | U8 | — | — |
| Model A1 AC ... | D4 | VMS4 | VMS4 | VMS4 | D4 | P4 | R4 |
| 1933-4 Gloria AC ... | VPT4 | D4 | VPT4 | VPT4 | H4D | LP4 | R4 |
| Lancastria AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Magna AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Parva AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Arcadia AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Battery Port. ... | VS2 | VHT2 | VS2 | H2D | L2 | HP2 | — |
| 1934-5 Arcadia AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Lancastria AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Lancastria (Reflex) AC ... | VHT4 | VPT4 or VPT4A | PT4D | R4 | — | — | — |
| Lancastria Port. 6 valve | VS2 | VHT2 | VS2 | H2D | L2 | HP2 | — |
| Universal AC/DC ... | X30 | VPTS | HSD | PTS | U30 | — | — |
| Gloria AC ... | VHT4 | VPT4 | H4D | LP4 | MHL4 | R4 | — |
| Lancastria Port. 5 valve | VHT2 | VS2 | H2D | L2 | HP2 | — | — |
| 1935-6 Gloria Auto. AC ... | VHT4 | VPT4 | H4D | MHL4 | LP4 | LP4 | R4A |
| Nova AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Nova AC/DC ... | X30 | W31 | D41 | N31 | U30 | — | — |
| Una AC ... | VPT4 | D4 or MHL4 | PT4D | R4 | — | — | — |
| Una AC/DC ... | W31 | H30 | N31 | U30 | — | — | — |
| Lancastria AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Lancastria AC/DC ... | X30 | W31 | D41 | N31 | U30 | — | — |
| Arcadia Cons. & Gram. | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Una Battery ... | VS24 | VS24 | PT2 | — | — | — | — |
| Arcadia AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Nova Battery ... | VHT2 | VP21 | HD22 | QP21 | — | — | — |
| 1936 All Wave Superhet. AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Parva Straight 3 AW ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| Parva Cons. AW ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| Straight 3. Gram. AW ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| 1936-7 Parva AW/AC ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| Parva AW Cons. AC ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| Parva AW Gram. AC ... | VPT4B | SPT4A | PT4D | R4 | — | — | — |
| Parva AW AC/DC ... | VPTS or W31 | SPTS | N31 | U30 | — | — | — |
| Parva Battery ... | VP21 | SP2 | PT2 | — | — | — | — |
| Nova 2-Wave AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Nova AW/AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Nova AW Battery ... | VHT2A | VP21 | HD22 | QP21 | — | — | — |
| Nova AW AC/DC ... | VHTS or X30 | VPTS or W31 | SD or D41 | N31 | U30 | — | — |
| Magna AW/AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| Magna AW AC/DC ... | VHTS or X30 | VPTS or W31 | SD or D41 | N31 | U30 | — | — |
| Arcadia AW/AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Arcadia AW Cons. AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| Arcadia AW Gram. AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | — | — |
| 1937-8 837 AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| 1037 AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| 1137 AC ... | VHT4 | VPT4 | PT4D | R4 | — | — | — |
| 1737 AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | VFT4 | — |
| 2037 AC ... | VHT4 | VPT4 | H4D | LP4 | R4 | VFT4 | — |
| 2337 AC Radiogram | VHT4 | VPT4 | H4D | PT4D | R4 | — | — |
| 637B & 637BR Battery | Osram VP21 | Mullard SP2 | Osram PT2 | — | — | — | — |
| 1137B Battery | VHT2A | Osram VP21 | Osram HD22 | Osram QP21 | — | — | — |
| 1237B Battery | VHT2A | Osram VP21 | Osram HD22 | Osram QP21 | — | — | — |
| 1037U AC/DC | Osram X30 | Osram W31 | Ferranti SD or | Osram N31 | Osram U30 | — | — |
| 1137U AC/DC | Osram X30 | Osram W31 | Osram D41 | Osram N31 | Osram U30 | — | — |
| 1938-9 617 PB AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 6F6G | 5Y3G | — |
| 515 PB AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 5Y3G | — | — |
| 514 PB AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 5Y3G | — | — |
| 513 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 5Y3G | — | — |
| 514 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 5Y3G | — | — |
| 515 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | 5Y3G | — | — |
| 512 AM AC/DC | FC13C | VP1321 | TDD13C | Pen DD4021 | U4020 | — | — |
| 513 AM AC/DC | FC13C | VP1321 | TDD13C | Pen DD4021 | U4020 | — | — |
| 48B Battery | FC2A | VP2 | TDD2A | KT2 | — | — | — |
| 49B Battery | FC2A | VP2 | TDD2A | KT2 | — | — | — |
| 1939-40 139 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | R4 | — | — |
| 239 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | R4 | — | — |
| 539 Battery ... | 1A7G | 1N5G | 1H5G | 1C5G | — | — | — |
| 1940-41 241 AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | R4 | — | — |
| 341 Console AC ... | 6A8G | 6K7G | 6Q7G | 6F6G | R4 | — | — |

PRINCIPAL COMPONENT DATA AND INTERMEDIATE FREQUENCIES

| TYPE OF RECEIVER | Scale Lamp | Volume Control (ohms) | Tone Control (ohms) | Speaker Field Coil (ohms, DC) | Speaker Speech Coil (ohms, DC) | HT Smoothing Condensers (μF) | IF (kc/s) | | |
|------------------------------------|------------|---------------------------|---------------------|----------------------------------|--------------------------------|------------------------------|-----------|-----|---|
| 1931-2 Model 31 (No speaker) AC | 3.5V, 0.3A | Variable Aerial Condenser | — | None : Smoothing Choke B1 in Set | — | 4+2 | — | | |
| 1932-3 Model 32 Cons. AC | 3.5V, 0.3A | | | | | 15 | 15 | 4+2 | — |
| Model 32 R/gram AC | 3.5V, 0.3A | | | | | | | 4+4 | — |
| Model A1, AC | 3.5V, 0.3A | 4+4 | 135 | | | | | | |
| 1933-4 Gloria AC | 3.5V, 0.3A | 1,000,000 | 500,000 | 1,200 | 4.0 | 8+8* | 125 | | |
| Lancastria AC | 3.5V, 0.3A | 1,000,000 | — | 1,600 | 4.0 | 8+8* | 125 | | |
| Magna AC | 3.5V, 0.3A | 1,000,000 | — | 1,600 | 4.0 | 8+8* | 125 | | |
| Parva AC | 3.5V, 0.3A | 1,000,000 | — | 1,600 | 4.0 | 8+8* | 125 | | |
| Arcadia AC | 3.5V, 0.3A | 1,000,000 | 500,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Battery Port. | 3.5V, 0.3A | 1,000,000† | 500,000† | — | 4.0 | — | 125 | | |
| 1934-5 Arcadia AC | 3.5V, 0.3A | 1,000,000† | 500,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Lancastria AC | 3.5V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Lancastria (Reflex) AC | 3.5V, 0.3A | 500,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Lancastria Port. 6 valve | 2.5V, 0.2A | 1,000,000† | — | — | 4.0 | — | 125 | | |
| Universal AC/DC | 20V, 0.3A | 1,000,000† | 50,000 | 700 | 4.0 | 16+16* | 125 | | |
| Gloria AC | 3.5V, 0.3A | 1,000,000† | 500,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Lancastria Port. 5 valve | 2.5V, 0.2A | 1,000,000† | — | — | 4.0 | — | 125 | | |
| 1935-6 Gloria Auto. AC | 6.2V, 0.3A | 250,000† | 100,000 | 500 | 10.0 | 8+8+16* | 125 | | |
| Nova AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Nova AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 700 | 4.0 | 24+8§ | 125 | | |
| Una AC | 6.2V, 0.3A | 50,000† | — | 3,000 | 4.5 | 8+8* | — | | |
| Una AC/DC | 6.5V, 0.3A | 50,000† | — | 700 | 4.5 | 24+8§ | — | | |
| Lancastria AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Lancastria AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 700 | 4.0 | 24+8§ | 125 | | |
| Arcadia Cons. and Gram. | 6.2V, 0.3A | 1,000,000† | 500,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Una Battery | 2.5V, 0.2A | 500,000† | — | — | 4.0 | — | — | | |
| Arcadia AC | 6.2V, 0.3A | 1,000,000† | 500,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Nova Battery | 2.5V, 0.2A | 1,000,000† | 50,000 | — | 4.0 | — | 125 | | |
| 1936 All Wave Superhet. AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Parva Straight 3 AW | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| Parva Cons. AW | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| Straight 3 Gram. AW | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| 1936-7 Parva AW/AC | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| Parva AW Cons. AC | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| Parva AW Gram. AC | 6.2V, 0.3A | 15,500† | — | 3,000 | 3.8 | 8+8* | — | | |
| Parva AW AC/DC | 6.5V, 0.3A | 15,500† | — | 700 | 4.5 | 24+8§ | — | | |
| Parva Battery | 2.5V, 0.2A | 50,000† | — | — | 2.0 | — | — | | |
| Nova 2-Wave AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Nova AW/AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 4.0 | 8+8* | 125 | | |
| Nova AW Battery | 2.5V, 0.2A | 1,000,000† | 500,000 | — | 4.0 | — | 125 | | |
| Nova AW AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 700 | 3.8 | 24+8§ | 125 | | |
| Magna AW/AC | 6.2V, 0.3A | 1,000,000† | 50,000 | 1,600 | 3.8 | 8+8* | 125 | | |
| Magna AW AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 700 | 3.8 | 24+8§ | 125 | | |
| Arcadia AW/AC | 6.2V, 0.3A | 1,000,000† | Automatic | 1,600 | 3.8 | 8+8* | 125 | | |
| Arcadia AW Cons. AC | 6.2V, 0.3A | 1,000,000† | Automatic | 1,600 | 3.8 | 8+8* | 125 | | |
| Arcadia AW Gram. AC | 6.2V, 0.3A | 1,000,000† | Automatic | 1,600 | 3.8 | 8+8* | 125 | | |
| 1937-8 837 AC | 6.2V, 0.3A | 1,000,000† | — | 2,200 | 4.0 | 8+8§ | 450 | | |
| 1037 AC | 6.2V, 0.3A | 1,000,000† | — | 2,200 | 4.0 | 8+8§ | 450 | | |
| 1137 AC | 6.2V, 0.3A | 1,000,000† | — | 2,200 | 4.0 | 8+8§ | 450 | | |
| 1737 AC | 6.2V, 0.3A | 1,000,000† | Automatic | 1,600 | 4.0 | 8+8* | 125 | | |
| 2037 AC | 6.2V, 0.3A | 1,000,000† | Automatic | 1,600 | 4.0 | 8+8* | 125 | | |
| 2337 AC Radiogram | 6.2V, 0.3A | 1,000,000† | 50,000 | 2,200 | 4.0 | 8+8§ | 450 | | |
| 637B & 637BR Battery | — | 50,000 | — | — | 2.0 | — | — | | |
| 1137B Battery | 2.5V, 0.2A | 1,000,000† | 50,000 | — | 3.8 | — | 125 | | |
| 1237B Battery | 2.5V, 0.2A | 1,000,000† | 50,000 | — | 3.8 | — | 125 | | |
| 1037U AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 600 | 4.0 | 24+8§ | 450 | | |
| 1137U AC/DC | 6.5V, 0.3A | 1,000,000† | 50,000 | 600 | 4.0 | 24+8§ | 450 | | |
| 1938-9 617 PB AC | 6.5V, 0.3A | 1,000,000† | 100,000 | 550 | 2.0 | 12+12§ | 450 | | |
| 515 PB AC | 6.5V, 0.3A | 1,000,000† | 500,000 | 1,000 | 2.0 | 12+12§ | 450 | | |
| 514 PB AC | 6.5V, 0.3A | 1,000,000† | 500,000 | 1,000 | 2.0 | 12+12§ | 450 | | |
| 513 AC | 6.5V, 0.3A | 1,000,000† | 500,000 | 1,000 | 2.0 | 12+12§ | 450 | | |
| 514 AC | 6.5V, 0.3A | 1,000,000† | 500,000 | 1,000 | 2.0 | 12+12§ | 450 | | |
| 515 AC | 6.5V, 0.3A | 1,000,000† | 500,000 | 1,000 | 2.0 | 12+12§ | 450 | | |
| 512 AM AC/DC | 6.2V, 0.3A | 1,000,000† | 100,000 | 500 | 2.0 | 24+8§ | 450 | | |
| 513 AM AC/DC | 6.2V, 0.3A | 1,000,000† | 100,000 | 500 | 2.0 | 24+8§ | 450 | | |
| 48B Battery | — | 1,000,000† | — | — | 2.0 | — | 125 | | |
| 49B Battery | — | 1,000,000† | — | — | 2.0 | — | 125 | | |
| 1939-40 139 AC | 6.5V, 0.3A | 1,000,000 | 500,000† | 1,000 | 2.0 | 12+12§ | 450 | | |
| 239 AC | 6.5V, 0.3A | 1,000,000 | 500,000† | 1,000 | 2.0 | 12+12§ | 450 | | |
| 539 Battery | — | 1,000,000† | — | — | 2.4 | — | 450 | | |
| 1940-41 241 AC | 6.5V, 0.3A | 1,000,000 | 500,000† | 1,000 | 2.0 | 12+12§ | 450 | | |
| 341 Console AC | 6.5V, 0.3A | 1,000,000 | 500,000† | 1,000 | 2.0 | 12+12§ | 450 | | |

† With switch. ‡ With 3-point switch. * With common positive lead. § With common negative lead. ¶ Or 1,000Ω if moving iron speaker.

The information above and overleaf is based on information supplied by the manufacturers; Ferranti Ltd.