

"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 D41	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	{ 4+2 4+2 4+4 }	—	
Model 32 R/gram AC	3.5V, 0.3A							15	—
Model A1, AC	3.5V, 0.3A							15	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	—	—	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.

Printed in Great Britain by The Cornwall Press Ltd., Paris Garden, London, S.E.1