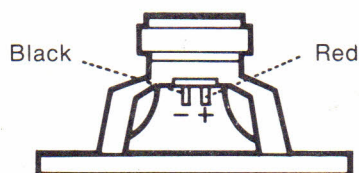


## DISMANTLING THE LOUDSPEAKER

- 1 The E90 enclosure consists of a cabinet complete with baffle and removable grille front. Access to the loudspeaker drive units is obtained by removing the grille front.
- 2 The grille front is a flush fit to the cabinet and held in place by four studs on the baffle boards which locate in corresponding grip holes in the grille.
- 3 Removal of the drive units and tweeters can be effected by removing the screws holding the units to the baffle and located round the periphery of the chassis front flange and disconnecting the wires which are attached by push on connectors.
- 4 Should it be necessary to remove the crossover or gain access to the contour controls this is best done by first taking out the bass unit, the crossover itself being held in place by ten screws located around the edge of the crossover P.C.B., securing the P.C.B. to the rear panel of the cabinet. Care must be taken to apply even pressure to the crossover P.C.B. when removing and refitting, otherwise there is danger of cracking the board.
- 5 Components for the contour control are mounted on the rear of the attenuator itself which is connected to the P.C.B. by flying leads.

## PHASING



All Wharfedale loudspeakers have standard polarity. If not marked with red for positive, the polarity of the terminals can be identified as shown in the diagram.

## PARTS LIST

Circuit Location	Description	Part No.	Circuit Location	Description	Part No.
R1	Resistor 3.9 ohm 6W	203.11	L3	Choke 10.0 mH	403.60
R2	Resistor 1.0 ohm 15W	200.19	L4	Choke 0.5 mH (AIR)	403.40
R3	Resistor 5.6 ohm 6W	204.15	L5	Choke 4.0mH	403.05
R4	Resistor 3.3 ohm 15W	203.13	L6	Choke 4.0 mH	403.05
R5	Resistor 2.7 ohm 6W	202.07	L7	Choke 1.0 mH	403.06
R6	Resistor 6.8 ohm 15W	204.19			
R7	Resistor 4.7 ohm 8W	204.12		Cabinet R.H.	099.131
R8	Resistor 82. ohm 6W	204.16		Cabinet L.H.	099.132
R9	Resistor 10.0 ohm 15W	210.21		Crossover Assembly	191.91
R10	Resistor 10.0 ohm 8W	210.16		Attenuator Assembly	191.92
R11	Resistor 12.0 ohm 6W	210.20		Rotary Switch	520.26
R12	Resistor 3.9 ohm 25W	203.12		Socket Assembly	536.30
C1	Capacitor 50 $\mu$ F	374.04		Knob	700.61
C2	Capacitor 6 $\mu$ F	364.01		Badge	712.20
C3	Capacitor 16 $\mu$ F	371.04		Reflex Port Trim	714.12/1
C4	Capacitor 2.2 $\mu$ F	361.04		Grille Assembly R.H.	719.175
C5	Capacitor 150 $\mu$ F	381.01		Grille Assembly L.H.	719.185
C6	Capacitor 4.7 $\mu$ F	363.05		Specification Plate	718.117
L1	Choke 3.25 mH	403.13		Right Hand Label	718.113
L2	Choke 0.2 mH (AIR)	402.06		Left Hand Label	718.114
Tweeter — Type FHT5-001			Midrange Unit — Type 1016A(X2)		
			Bass Unit — Type 2513A(X2)		

NOTE: The company pursues an active policy of continuous update in design and production methods. To ensure we supply the correct part against your spares order, please quote the above part number, date of issue of this service sheet and the date of purchase of the loudspeaker in question.

Issued by:

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