

SUBMERSIBLE SPEAKER MICROPHONE

MH-73_{A4B}

Service Manual

©2008 VERTEX STANDARD CO., LTD.

EAG13X90A

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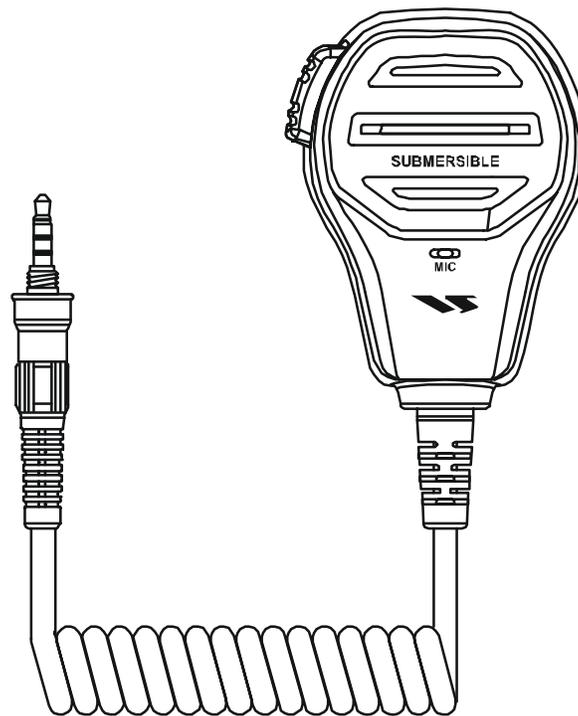
VERTEX STANDARD (AUSTRALIA) PTY., LTD.

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The MH-73_{A4B} is a Speaker Microphone designed especially for Vertex Standard transceivers*.

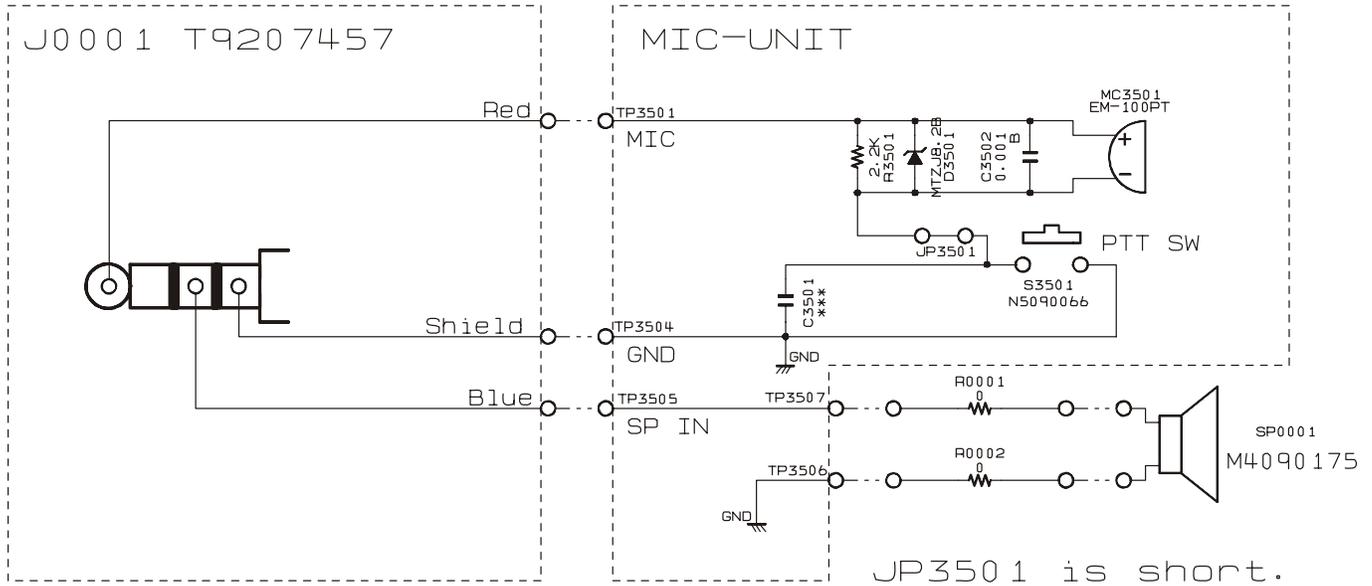
*: HX370S/370SAS, HX471S, HX500S-Li, HX600S-Li, HX750S, HX760S, HX850S



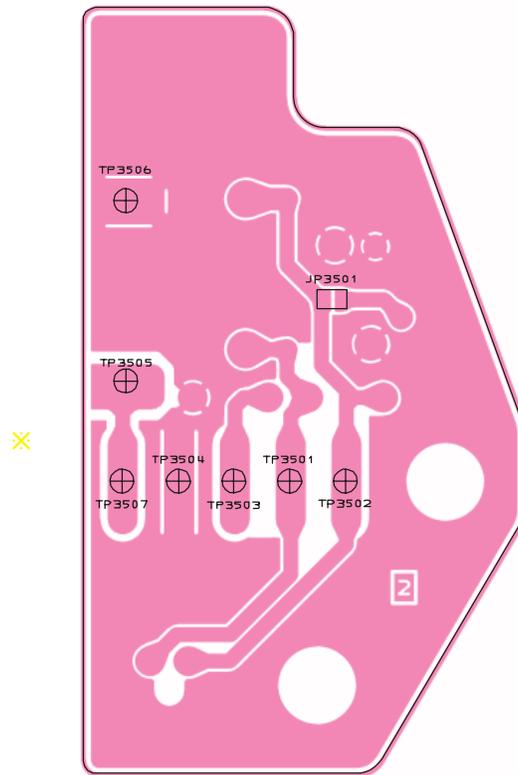
Specifications

Submersible:	IPX7 (1 meter for 30 minutes)
Mic Element:	Electret Condenser
Mic Impedance:	680 Ohm or less
Speaker Impedance:	4 Ohm ±15%
Output Sound Pressure Level:	81.5 dB ± 2 dB/W (1 m)
Rated Input:	0.5 W
Maximum Input:	1.0 W
Dimensions (W x H x D):	2.4" x 3.3" x 1.5" (60 x 85 x 37.5 mm)
Weight:	5.3 oz (150 g)

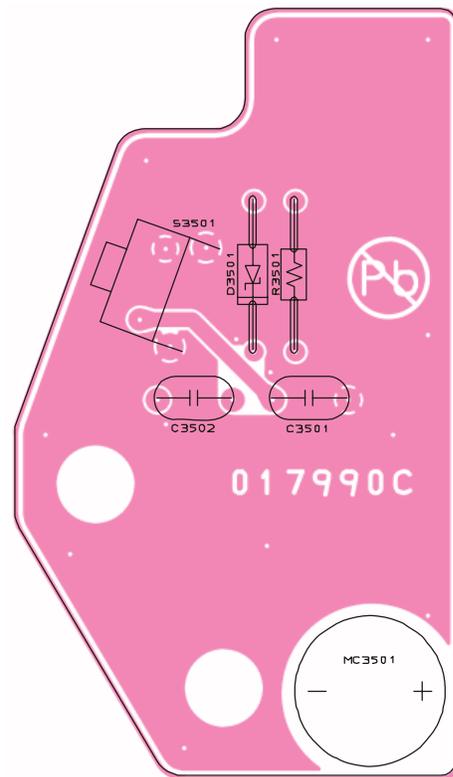
Circuit Diagram



Parts Layout



Side A

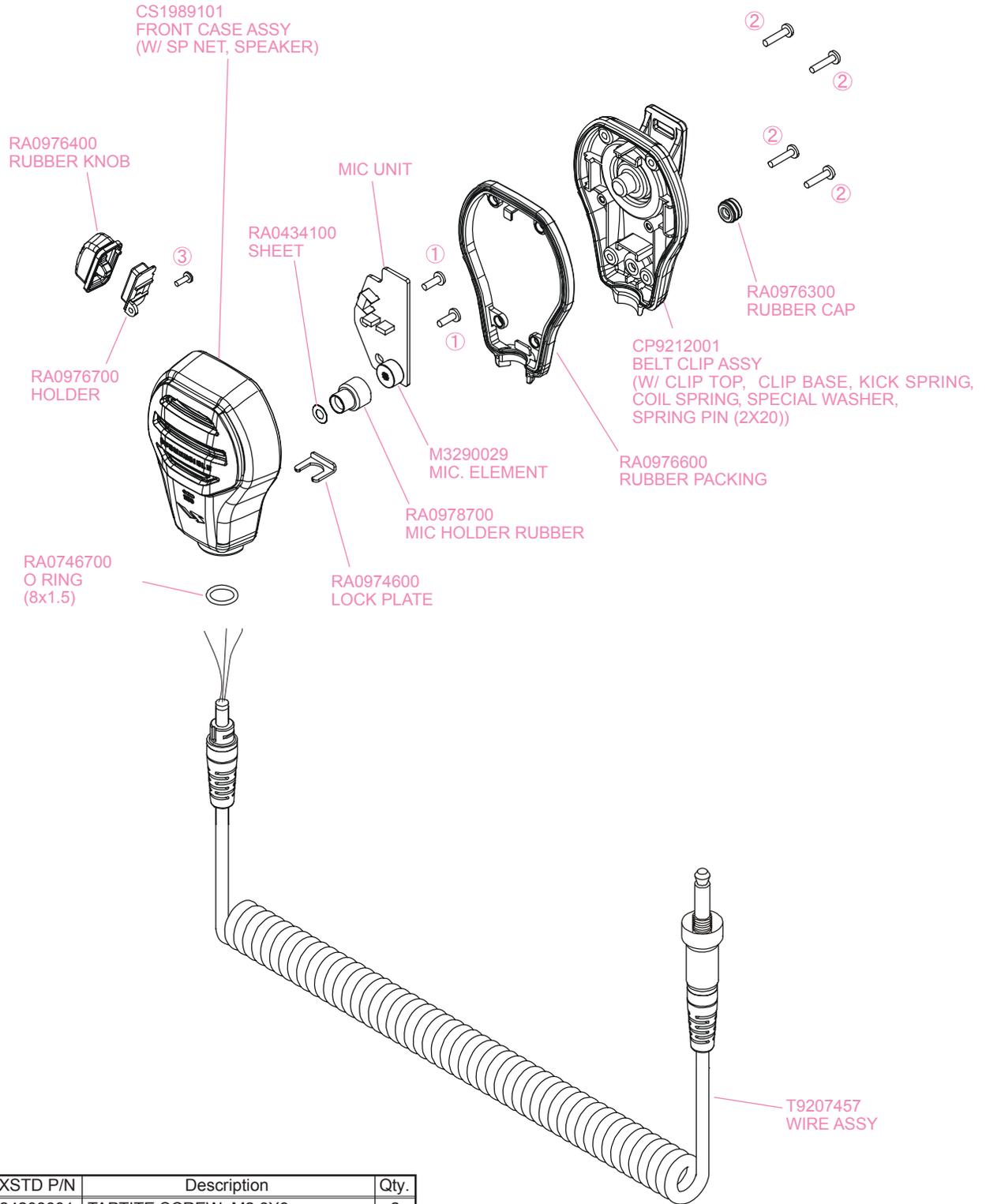


Side B

Parts List

REF.	DESCRIPTION	VALUE	VW	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT.	SIDE	LAYADR
*** MIC-UNIT ***										
PCB with Component						FR017990C				
C 3502	CERAMIC CAP.	0.001uF	50V	B	BU5 102K6(5MM)	K10179056		1-	B	
D 3501	DIODE				MTZJ T-72 8.2B	G2090803		1-	B	
MC3501	MIC. ELEMENT	680			EM-100PT	M3290029		1-	B	
R 3501	CARBON FILM RES.	2.2K	1/6W	5%	RD16PJ222 2.2K	J01225222		1-	B	
S 3501	TACT SWITCH				SKHLLD	N5090066		1-		
R 0001	CARBON FILM RES.	0	1/6W	5%	RD16PJ000 0	J01225000		1-		
R 0002	CARBON FILM RES.	0	1/6W	5%	RD16PJ000 0	J01225000		1-		
SP0001	SPEAKER	4	1.0W		36N-E2114B 1.0W/4-OHM	M4090175		1-		

Exploded View



Ref.	VXSTD P/N	Description	Qty.
①	U24208001	TAPTITE SCREW M2.6X8	2
②	U24212020	TAPTITE SCREW 2.6X12SUS	4
③	U24106001	TAPTITE SCREW M2X6	1

Non-designated parts are available only aspart of a designated assembly.

Note