8562A-63

S	E	R	V		С	Ε	Ν	0	Т
							SUPERSEDE	S: None	
8562	A Po	rtable	Spectru	m An	alyzer	•			
Seria	l Numb	ers: 291	3A03689 /	3136A(	06595				
Dupli	icate Se	rvice No	tes:						
8560A									
8561E	3-20								
8562 <i>A</i>	A-63								
8562E	<b>B-6</b> 1								
8563 <i>A</i>	<b>A-15</b>								
			z to 150	KHz si	idebaı	nds in	instruments	with TC	XO
<b>Parts</b> <b>P/N</b> 1901-	<b>Requir</b> 0539		<b>Descrip</b> Schottky	tion		nds in	Qty. 1	with TC	XO
<b>Parts</b> <b>P/N</b> 1901-	<b>Requir</b> 0539		Descript	tion		nds in	Qty.	with TC	XO
Parts P/N	<b>Requir</b> 0539 0096		<b>Descrip</b> Schottky	tion		nds in	Qty. 1	with TC	XO
Parts P/N 1901- 0890- Situar Sideb nal ca They	Requir 0539 0096 tion: ands as in occur occur w	red: high as - in instru rhen a str	Descript Schottky Sleeve 50dBc and ments with ong extern	tion 7 Diode 1 ranging h a Tem hal 10M	g from perature Hz refe	50KHz e Contro rence is	Qty. 1	the displ	ayed sig CXO).
Parts P/N 1901- 0890- Situar Sideb nal ca They	Requir 0539 0096 tion: ands as in occur occur w	red: high as - in instru rhen a str	Descript Schottky Sleeve 50dBc and ments with ong extern	tion 7 Diode 1 ranging h a Tem hal 10M	g from perature Hz refe	50KHz e Contro rence is	Qty. 1 1/4 inch to 150 KHz from olled Crystal Osci applied and are o	the displ illator (TC caused by	ayed sig CXO).

## ADMINISTRATIVE INFORMATION

SERVICE NOTE CLASSIFICATION:									
MODIFICATION RECOMMENDED									
ACTION CATEGORY:	<ul> <li>IMMEDIATELY</li> <li>ON SPECIFIED FAILURE</li> <li>AGREEABLE TIME</li> </ul>	STANDARDS: Labor 0.5 Hour							
LOCATION CATEGORY:	<ul> <li>CUSTOMER INSTALLABLE</li> <li>ON-SITE</li> <li>SERVICE CENTER</li> </ul>	SERVICE RETURN USED RETURN INVENTORY: SCRAP PARTS: SCRAP SEE TEXT SEE TEXT							
AVAILABILITY:	PRODUCT'S SUPPORT LIFE	AGILENT RESPONSIBLE UNTIL: 01 October 1993							
AUTHOR: GPB	ENTITY: 5300	ADDITIONAL INFORMATION:							

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## **Solution/Action:**

A logic low must be guaranteed at the input of A15U303C when the instrument is used in External Reference mode to prevent oscillation.

To accomplish this a Schottky diode needs to be installed with its anode to pin 5 of A15U303 and its cathode to the collector of A15Q301. Open the instrument and fold out the A15 assembly as described in the Service manual. Remove the top and bottom reference shields. The resistor will need to lay flat against the reverse side of the board to allow room for the shield. Trim the leads so that the anode can be soldered to the end of A15Q301. (The collector lead is nearest A15R303 and R304.) Slip the insulation sleeving over the exposed parts of the leads, leaving enough room to make the solder connections. Solder the resistor leads in place.