

Service Document Exchange Set

Concert Boy 60 RP 6300 SW

Service Manual Sicherheit Safety

Materialnr./Part No.
720108000001



Es gelten die Vorschriften und Sicherheitshinweise gemäß dem Service Manual "Sicherheit", Materialnummer 720108000001, sowie zusätzlich die eventuell abweichenden, landesspezifischen Vorschriften!



The regulations and safety instructions shall be valid as provided by the "Safety" Service Manual, part number 720108000001, as well as the respective national deviations.

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ALIGNMENT PROCEDURE

MODEL NO.: GRUNDIG RP 6300 SW

SW 1 RF ALIGNMENT

DATE : 14-11-2003

STEP	SIGNAL SOURCE (SW Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	TP 201 A standard radiation loop ant.	5.8 MHz (modulated)	Across speaker voice coil	(Lowest end)	L 211 (Osc. coil)	Maximum	Volume control at max. position
2		6.4 MHz (modulated)		(Highest end)	TC 205 (Osc. trimmer)		
3		5.9 MHz (modulated)		5.9 MHz	L 207 (ant. coil)		
4		6.2 MHz (modulated)		6.2 MHz	TC 202 (ant. trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

SW 2 RF ALIGNMENT

STEP	SIGNAL SOURCE (LW Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	TP (201) through matching network if necessary	6.8 Mhz (modulated)	Terminals across speaker voice coil	(Lowest end)	L 212 (Osc. Coil)	Maximum	Volume control at max. position
2		18.5 Mhz (modulated)		(Highest end)	TC 206 (Osc. trimmer)		
3		7.0 Mhz (modulated)		7.0 Mhz	L 208 (ant. coil)		
4		12.0 Mhz (modulated)		12.0 Mhz	TC 203 (ant. trimmer)		
5	SW band tracking needs precise alignment to achieve best possible sensitivity. So repeat steps 3 and 4 at least 2 times, if necessary also repeat steps 1 and 2						

FM RF ALIGNMENT

DATE : 14.11.2003

STEP	SIGNAL SOURCE (FM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	TP 201 through matching network if necessary	87.35 MHz (modulated)	Terminals across speaker voice coil	(Lowest end)	L 204 stretch or squeeze	Maximum	Volume control at max. position
2		108.25 MHz (modulated)		(Highest end)	VC T1A (Osc. trimmer)		
3		88 MHz (modulated)		88 MHz	L 202 (RF coil) stretch or squeeze		
4		106 MHz (modulated)		VC T1B (RF trimmer)			
5		Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary					

AM RF ALIGNMENT

STEP	SIGNAL SOURCE (AM Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	A standard radiation loop ant.	515 KHz (modulated)	Across speaker voice coil	(Lowest end)	L 210 (Osc. coil)	Maximum	Volume control at max. position
2		1640 KHz (modulated)		(Highest end)	VC TIC (Osc. trimmer)		
3		558 KHz (modulated)		558 KHz	L 206 (ant. coil)		
4		1440 KHz (modulated)		1440 KHz	VC T1D (ant. trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						

LW RF ALIGNMENT

STEP	SIGNAL SOURCE (LW Signal Gen.) CONNECT TO	SET SIGNAL TO	ALIGNMENT INDICATOR (Oscilloscope, VTVM) CONNECT TO	SET RADIO DIAL TO	ADJUST	ADJUST FOR	REMARKS
1	A standard radiation loop ant.	142 KHz (modulated)	Terminals across speaker voice coil	(Lowest end)	L 209 NA	Maximum	Volume control at max. position
2		292 KHz (modulated)		(Highest end)	TC 204 (Osc. trimmer)		
3		153 KHz (modulated)		153 KHz	L 205 (ant. coil)		
4		261 KHz (modulated)		261 KHz	TC 201 (ant. trimmer)		
5	Repeat steps 3 and 4 as necessary to minimize tracking error and also steps 1 and 2 if necessary						



