

JC-215R Modified Point

category	item number	component ID	description	present information		before modification		reason of modification
				value	component code	value	component code	
PLL circuit modification (TX and RX portion)	1	IC103	PLL IC	YU151E005	SM5158AM	PLL2001S	051-6207-08	discontinue of production
	2	R196	CHIP R	deleted	deleted	47k	117-4731-15	no use for PLL IC application
	3	R130	CHIP R	deleted	deleted	5.6k	117-5621-15	RX sensitivity improvement
	4	L131	COIL	100uH	010-3407-74	N/A	N/A	RX sensitivity improvement (replace R130)
	5	RF PWB	Printed Circuit Board	N/A	039-1345-02	N/A	039-1345-00	re-design the PWB layout
for stability of squelch control Amplifier (RX portion)	6	Q117	TRANSISTOR	*2SC2712-Y	192-2712-25	*2SC2712	192-2712-00	fix the hFE range
	7	VR104	VARIABLE-R	470k	012-6009-65	220k	012-4864-11	squelch adjustment improvement
	8	R801	CHIP R	8.2k	117-8221-15	12k	171-1231-15	squelch adjustment improvement
for stability of ALC control Amplifier (RX portion)	9	Q105	TRANSISTOR	*2SC2712-Y	192-2712-25	*2SC2712	192-2712-00	fix the hFE range
for stability of IF Amplifier (RX portion)	10	R150	CHIP R	deleted	deleted	680	171-6811-15	replaced by VR105
	11	R151	CHIP R	deleted	deleted	330	171-3311-15	replaced by VR105
	12	VR105	VARIABLE-R	1k	012-6009-52	N/A	N/A	replace R150 and R151
	13	R311	CHIP R	deleted	deleted	22k	171-2231-15	replaced by VR106
	14	VR106	VARIABLE-R	47k	012-6009-59	N/A	N/A	replace R311
for Green Guide	15	C279,C601,C645	ELECTROLYTIC-C	*100 25V	189-1073-41	*100 25V	184-1073-41	green guide
	16	C286	ELECTROLYTIC-C	*1000 25V	189-1083-41	*1000 25V	184-1083-41	green guide
	17	C110	ELECTROLYTIC-C	*220 10V	189-2273-28	*220 10V	184-2273-21	green guide
	18	C153	ELECTROLYTIC-C	*47 25V	189-4763-48	*47 25V	184-4763-41	green guide
purchase convenience	19	L106	COIL		010-6024-00		010-1792-00	purchase convenience
	20	D123	DIODE	HZV8.2A	001-4301-43	DTZ8.2A	001-0574-43	purchase convenience
	21	L130	COIL	0.56uH	010-3407-47	0.56uH	010-2199-59	purchase convenience
	22	L115	COIL	10uH	010-3407-62	10uH	010-2199-74	purchase convenience