ICOM IC-2KL ADJUSTMENT PROCEDURE

IC-2KL		INSTRUMENT		TEST				
ADJUSTMENT	CONDITIONS	REQUIRED	UNIT	POINT	UNIT	PARTS	HOW TO ADJUST	READING
INITIAL	Connect IC-2KL to the RIF exciter	1124011125	0		MAIN	R44	MAXIMUM CLOCKWISE	T.E. IS III O
SETUP	(RF INPUT, ALC, PTT, ACC, etc).				MAIN	R36	MAXIMUM CLOCK WISE	
OL 101	Connect IC-2KL output to a				MAIN	R18	TURN R18 AND ADJUST STARTING	
	dummy load. Connect IC-2KL to				1017 (114	IK 10	FROM MAXIMUM COUNTER-	
	the power supply IC-2KLPS.						CLOCKWISE	
IDLE		A ma ma o t o m (1 A)	Power	F1	PA1	R9 @ PA1	ADJUST R9 (ON PA-1) FOR 200 ma	
CURRENT	Lift center tap lead from L4 and	Ammeter (1 A)		FI	PAT	R9 @ PAT	ADJUST R9 (UN PA-T) FOR 200 Ma	
CURRENT	insert an ammeter.		supply		D.4.0	DO 6 DA0	DEDEAT ABOVE FOR DA O	
			regulator unit		PA2	R9 @ PA2	REPEAT ABOVE FOR PA-2	
Vc METER	Meter switch: Vc	Multimeter		Vc meter	MAIN	R40	ADJUST R40 TO INDICATE THE SAME	
	Connect multimeter to fuse (F1)						VOLTAGE AS SHOWN ON THE	
							MULTIMETER	
PROTECTION	Meter switch: PRO	Dummy Load		PRO		R1	ADJUST ALC ADJUSTMENT POT (R1)	CENTER OF "PRO"
CIRCUIT	Set mode to RTTY and transmit			meter			FOR CENTER OF "PRO" ZONE (Vc=50)	ZONE
	full power @ 14MHz							
					.MAIN	R44.	ADJUST R44 GRADUALLY UNTIL THE	PROTECTION
							PROTECTION CIRCUIT ACTIVATES	CIRCUIT
								THRESHOLD
VSWR	Short the cathode of D2 to ground.	Dummy Load			FIL	C54	Adjust C54 for minimum	Minimum
	Connect a multimeter to pin3 on J2							
	of the FIL unit. Set mode to RTTY							
	and Transmit full power a@14							
	MHz. Remove the short							
Power	Meter Switch : PRO.	RF Power Meter		Antenna	MAIN	R1	ADJUST ALC ADJUSTMENT POT (R1)	Center ALC Zone
	Set the mode to RTTY and	The Fortis Motor		connector			FOR CENTER OF ALC ZONE	0011101 7120 20110
	transmit full power @ 14 MHz			00111100101			TOTAL SERVICE OF THE SERVICE	
	transmit rail power of 1 minz					R18.	ADJUST R18 FOR 500W. REPEAT BOTH	
						IXTO.	ADJUSTMENTS SEVERAL TIMES	
POWER	Meter Switch : PRO.	Dummy Load		Meter		R11	ADJUST R11 FOR 500W	500W
METER	Set the mode to RTTY and	Danning Load		Wictor			ABSOST KITTOK SOOW	30000
IVILIEN	transmit full power @ 14 MHz							
IC METER	Meter Switch: Ic.	Dummy Load	+	Meter	MAIN	R41	ADJUST R41 TO READ THE SAME	CURRENT OF THE
IC WILTER	Remove fuse F1 and insert an	Durning Load		IVICTO	IVIATIN	11.41	CURRENT AS THE AMMETER	AMMETER
	Ammeter						CORREINT AS THE AWWINIETER	AWWILLER
IC PROTECT	Meter Switch: Ic.	Dummy Load		Meter	MAIN	R36	ADJUST R36 FOR 23 AMPS	23 AMPS
IC PROTECT		Duminy Load		ivietei	IVIATIN	K30	ADJUST R30 FUR 23 AIVIPS	23 AIVIPS
	Install a 20 ohm 100W resistor							
	between ground and the end of R2							
	opposite from F1.Set the mode to							
	RTTY and transmit 100w/1.9 MHz							
	(Remove the 20 ohm resistor after							
	adjustment).							