

# JOHNSON II

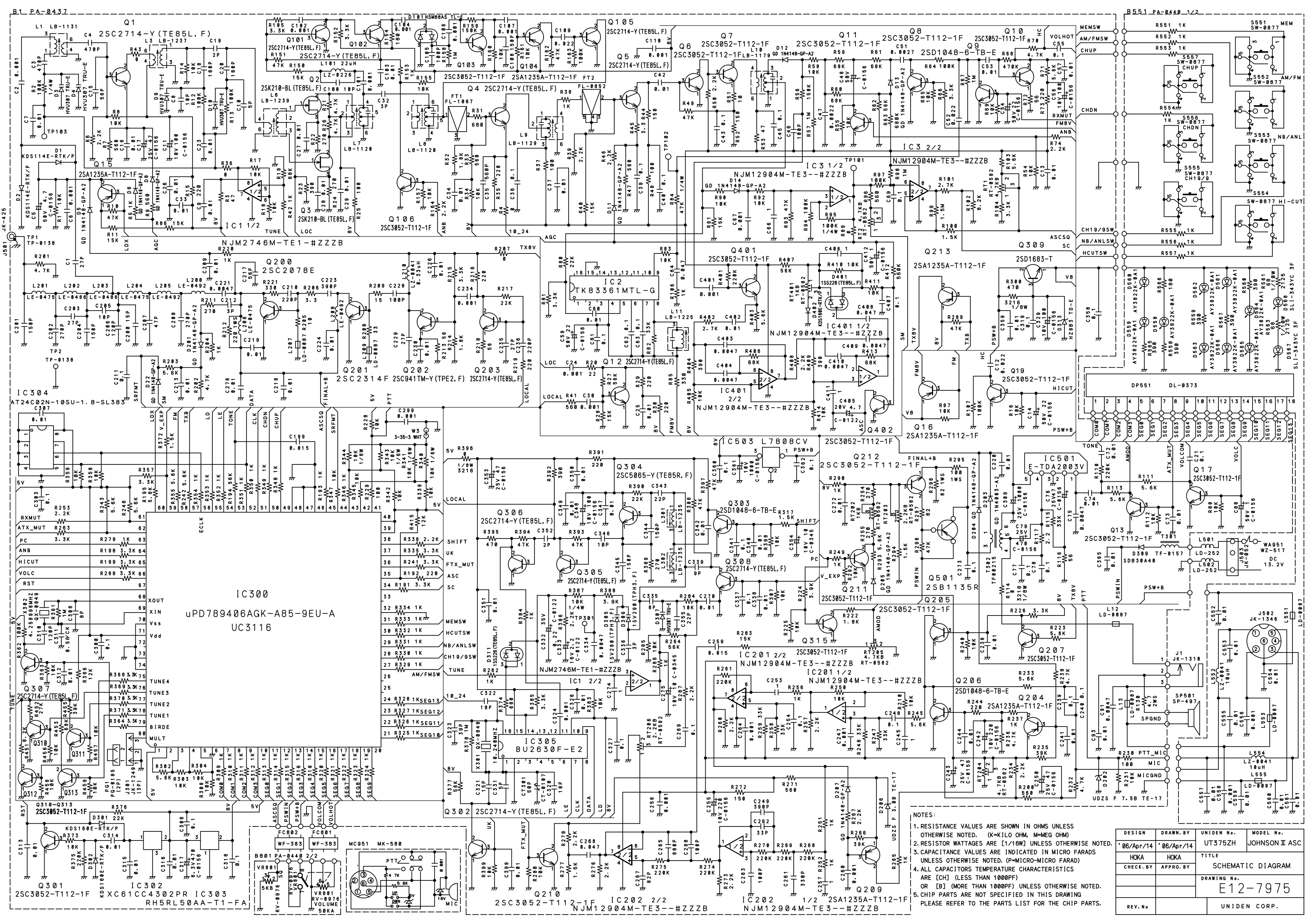
CE



*Service Manual*

**PRESIDENT**

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- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
  2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
  3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
  4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOTED.
  5. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.

DESIGN	DRAWN BY	UNIDEN No.	MODEL No.
'06/Apr/14	'06/Apr/14	UT375ZH	JOHNSON II ASC
HOKA	HOKA	TITLE	SCHMATIC DIAGRAM
CHECK BY	APPRO. BY	DRAWING No.	E12-7975
REV. No		UNIDEN CORP.	

# ALIGNMENT TRANSMITTER

## 1- Alignment procedure(13,2V;configuration''EU,E'')

STEP	CONDITION	ADJUSTMENT	REMARKS OF ADJUSTMENT
1	AM(EU) Channel 20	RT202(LOW)	Connect a wattmeter to jack antenna, adjust RT202 to reach 1W on the wattmeter.
2	FM(EU) Channel 20	RT203(HI)	Connect a wattmeter to jack antenna, adjust RT203 to reach 4W on the wattmeter.
3	FM(EU) Mod 30mV 1 KHz CH20	RT206(DEV)	Adjust RT206 to reach +/- 1,2KHz of deviation.
4	AM(EU) Mod 30mV 1KHz CH20	RT204(AMC)	Adjust RT204 to reach +/- 90% of modulation.
5	AM(E) Mod 30mV 1KHz CH20	RT205(ALC)	Adjust RT205 to reach +/- 90% of modulation.

# ALIGNMENT RECEIVER

## 1- Alignment procedure(13,2V;configuration''EU,E,d'')

STEP	CONDITION	ADJUSTMENT	REMARKS OF ADJUSTMENT
1	AM(EU,E) Channel 20 Middle Volume level No Squelch active	L1-L3-L6 L7-L8-L9-L10	Connect HF generator to jack antenna adjusted at (-107dBm 1KHz 60%) connect sinad meter to jack EXT speaker and adjust coils for maximum sensitivity (>20dB sinad).
2	FM(EU,E) Channel 20 Middle volume level No Squelch active	L-11	Connect HF generator to jack antenna adjusted at (-107dBm 1KHz 1,2 KHz Dev), connect sinad meter to jack EXT speaker and adjust L-11 for maximum sensitivity (20dB sinad).
3	AM(EU,E) Channel 20 Middle volume level No Squelch active	RT2(8-METER)	Connect HF generator to jack antenna adjusted at (-67dBm 1KHz 60%) and adjust RT2 so that S9 on Smeter.
4	AM(EU,E) Channel 20 Middle volume level Squelch maximum clockwise	RT1(SQ)	Connect HF generator to jack antenna adjusted at (-47dBm 1KHz 60%) and adjust RT1 so that the signal is audible.
5	AM(EU,E) Channel 20 Middle volume level Squelch maximum counterclockwise (ASC)	RT401(ASC)	Connect HF generator to jack antenna Connect sinad meter to jack EXT speaker adjust the output level of HF generator and adjust RT401 to reach at the opening ASC a sinad of 17dB+/-2dB.