

ARGO 300 (Export)

"No Name" on box, manual, microphone, or unit. Some come with a schematic and frequency list.

A "NEW" 02A PCB for AM/FM; PCB# PCMA018A. Everything is on the one board now. It isn't completely stuffed, and some markings indicate that it has 'Roger Beep' circuitry etch on it - BUT not in this unit.

Out-of-the-Box:

<u>Frequency</u>	<u>Power: Low-High</u>	<u>Modulation was 50%+</u>
26.065MHz.....	3.0 - 5.0	
26.515	3.4 - 5.6	
26.965	3.8 - 6.0	
27.415	3.8 - 6.1	
27.865	4.1 - 6.7	
28.315	4.0 - 6.6	
28.755	3.8 - 6.3	

Overall - out of box wasn't bad! Unit does need tune-up and some circuitry changes.....

ADJUSTMENTS: RV1 - TX Lights adjustment (suggest changing to 100K, as the present 20K doesn't give enough adjustment when in high power mode).
RV2 - RX Lights adjustment.
RV3 - Squelch Range
RV4 - AMC, defeat if needed is C135 (3.3Mfd/50VDC electrolytic).
RV5 - FM Deviation adjustment. NOTE: I realize that not everyone has FM equipment for test/alignment. Adjust for best reception on another unit in TX mode.
RV6 - RF Output, AM. Don't exceed 10W DEADKEY!
RV7 - RF Output, FM. Don't exceed 12W DEADKEY!

NOTES: RF Power.... The Low power is determined by the amount of R125, which is 3.3K. By varying this resistance can change the proportion of low to high power. Example: In test unit 3.3K was replaced with a 1.2K; this gave almost half of whatever the High Power was in the Low Power position. Remember that AM and FM power levels can be individually set in this unit. Also this unit uses the 2SC1969....

Heat Sinking.... Is as usual, done with the thin plastic wafers? Q19, the DC switch was not a 2SD1192 as schematic indicated, 2SD837. C138, 1000pf was not in circuit. Unit also had a 2A AGC fuse, will probably blow if you turn power up to 10W - replace with a 3A AGC (Don't exceed 4A!).

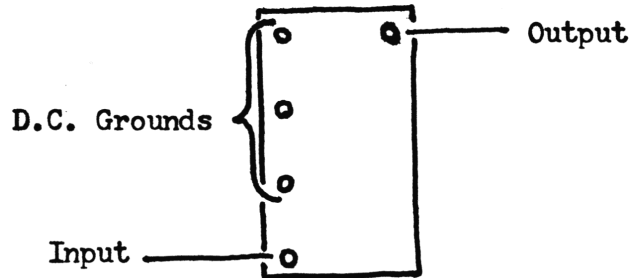
TUNE-UP: RX - T7, T8, T9, T10, T11, and T12. Carefully.....
adjust for overall frequency range clarity/strength.
TX - T2, T3, T4, T5, T6, and L10 (Schematic doesn't show as a variable but is!) Adjust for linear power across entire frequency range.

ARGO 300 (Export)... Cont....

NOISE LIMITER: Noise Limiter is good in this unit but can be improved some. R81 (10K) can be changed to a 1K for normal operation and be useful without the Noise Blanker being turned on. The value of C100 may be changed to a higher value; but be careful as audio will fall off; if a much greater is used. Tantalum capacitor is O.K.; instead of electrolytic; also the positive lead goes toward ground side (switch side-R81).

REJECTION: ??, this unit definitely needs some work done in this area. Use SCB Vol-19, Pg. 61 as a how-to guide. Remove FL-2 and replace per diagram below:

VIEWED AT THE PCB



Realistic TRC-414, 421A, 422A

Receive Broadband Modification

Use diagram below for Rx modification of T-4. Is needed if installing Card-Kit B into these units.

