

**STANDARD OPERATING PROCEDURE CHART FOR RADIO SET AN/GRC-106
(Pre-Installed)**

STEP UNIT CONTROL OR SWITCH POSITION

17. Transmit and Receive in the SSB Voice Mode.

Amplifier HV Reset: Operate
Receiver/ Service Selector: SSB NSK
Transmitter Audio Gain: Comfortable
Listening Level
Manual RF Gain: Fully CW
VOX: PUSH-TO-TALK
Squelch: ON (if noise level is undesirable in the absence of received signals).

18. Transmit and Receive in the AM Mode.

Amplifier HV Reset: Operate
Receiver/ Service Selector: AM
Transmitter Audio Gain: Comfortable
listening level
Manual RF Gain: Fully CW
VOX: PUSH-TO-TALK
Squelch: ON (if noise level is undesirable in the absence of received signals).

STEP UNIT CONTROL OR SWITCH POSITION

18. Transmit and Receive in the CW Mode.

Amplifier HV Reset: Operate
Receiver/ Service Selector: CW
Transmitter KHz: Lower 2 KHz
BFO: Adjust for Desired Tone
Audio Gain: Comfortable
Listening Level
Manual RF Gain: Fully Clockwise

20. Stopping Procedures.

Receiver/ Service Selector: STANDBY
Transmitter

NOTE: Wait two minutes.

Amplifier PRIM PWR: OFF
Rec/Trans - Svc Sel: OFF

Power Supply / Vehicle Power: OFF

NOTE: For compliance with security regulations "zeroize" your MHz and MHz controls.

**OPERATING
PROCEDURES
RADIO SET
AN/GRC-106**

Approved for public release, distribution is unlimited.

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STEP	UNIT	CONTROL OR SWITCH POSITION	STEP	UNIT	CONTROL OR SWITCH POSITION	STEP	UNIT	CONTROL OR SWITCH POSITION
1.	POWER SUPPLY/ VEHICLE POWER	OFF	11.	Receiver/Transmitter	Service Selector: STANDBY	15.	Receiver/ Transmitter	MHz and KHz Controls: to assigned operating frequency.
2.	AN/GRC-106	Inspect Ground	NOTE: Observe the signal level meter on the receiver/ transmitter needle should be in the extreme right portion of the meter scale. Check that the amplifier blowers are working.	12.	Amplifier	16.	Amplifier	ANT TUNE – ANT LOAD: To settings obtained from chart.
3.	AN/GRC-106	Inspect Antenna System		PRIM PWR: ON (NOTE: 90 seconds warm-up)	7.		Amplifier AM-3349	RT-662 or RT-834
4.	ALL CABLES	Check for proper installation			8.	POWER SUPPLY/ VEHICLE POWER	ON	
5.	Amplifier AM-3349	Inspect Heat Exchanger		13.	Receiver/Transmitter	Service Selector: SSB NSK	● Grid Drive ● PA CUR ● Power Out } Within or to the left of the two gray wedges.	
6.	RECEIVER/TRANSMITTER	Service Selector: OFF	NOTE: Observe the signal level meter. Needle should return To the extreme left portion of the meter scale.		14.	Amplifier		Test meter Switch: PRIM VOLTS
9.	RECEIVER/TRANSMITTER	Service Selector: OVEN ON NOTE: (10 minute warm-up)	NOTE: Observe that the test meter pointer indicates within The area of the two dark green wedges (top scale).					
		VOX: Push To Talk						
		Squelch: OFF						
		Noise Blanker: OFF (RT-662 only)						
		BFO: Mid-Range						
		Manual RF Gain: Fully Clockwise						
		Audio Gain: Mid-Range						
		Freq Vernier: OFF						
10.	Amplifier	HV RESET: Operate	1.			HV RESET: Operate	3.	

CAUTION: DO NOT LEAVE THE HV RESET SWITCH IN TUNE POSITION LONGER THAN TWO MINUTES !