

GTA 11-03-031

**OPERATING
PROCEDURES
IHFR RADIO SET
AN/GRC-213**

**MOS: 31C
and GPU**

References: TM11-5820-923-12

Approved for public release; distribution is unlimited

**DISTRIBUTION: US Army Training and
Audiovisual Support Centers (TASCs)**

Headquarters, Department of the Army

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PREOPERATIONAL CHECKS

STEP	UNIT	CONTROL OR SWITCH	POSITION
1	Power SOURCE	• Vehicle, generator or power supply	OFF
2	AN/GRC-213	• Inspect grounding system	
3	AN/GRC-213	• Inspect antenna system	
4	AN/GRC-213	• Insure correct cabling	

PRESETS

1	RT-1209	<ul style="list-style-type: none"> • OFF/MAX/VOLUME Sw • MODE SELECTION Sw • SB SELECTOR Sw • FREQ. SELECTOR push buttons 	OFF V-TR USB or LSB SET operating freq.
2	AM-6874	• ANT SEL Sw	To MIDDLE BNC connector
3	AM-7152	• NONE REQUIRED	

PRESETS (CONT'D)

STEP	UNIT	CONTROL OR SWITCH	POSITION
4	SA-2365	• ANT LOADING Sw	APPROPRIATE position depending on antenna being used

ENERGIZING

1	POWER SUPPLY or GENERATOR	• CIRCUIT BREAKER	ON (Adjust for 26.5 vdc)
	VEHICLE	• Start engine	ADJUST Throttle
2	AM-7152	• Power ON/OFF Sw	ON
		Note: Power indicator lights come on.	
		• SQUELCH OFF/ MAX Sw	TURN right halfway
		• SPEAKER ON/OFF Sw	On (if using speaker)

ENERGIZING (CONT'D)

STEP	UNIT	CONTROL OR SWITCH	POSITION
3	RT-1209	• OFF/MAX/VOLUME Sw	TURN right to comfortable listening level

TUNING

1	RT-1209	• Handset PTT Sw	DEPRESS momentarily
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Note: The radio set tunes automatically after depressing the PTT switch. The tuning takes about 6 seconds.

MODES OF OPERATION (VOICE)

1	RT-1209	• MODE SELECTOR Sw • OFF/MAX/VOLUME Sw	V-TR TURN right to comfortable listening level
2	Am-7152	• SQUELCH CONTROL Sw	ADJUST for elimination of background noise

MODES OF OPERATION (CONT'D)

STEP (CW)	UNIT	CONTROL OR SWITCH	POSITION
1	RT-1209	• MODE SELECTOR Sw • OFF/MAX/VOLUME Sw • Leg Key KY-872	V-TR ADJUST to a comfortable listening level CONNECT to top audio connector on RT

(RADIO SILENCE – VOICE or CW)

1	RT-1209	• MODE SELECTOR Sw	V-RCV
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STOPPING PROCEDURES

1	RT-1209	• OFF/MAX/VOLUME Sw	OFF
2	Am-7152	• Power ON/OFF Sw	OFF
3	GENERATOR POWER SUPPLY VEHICLE	• CIRCUIT BREAKER • GENERATOR	OFF SHUT DOWN
4		• THROTTLE • IGNITION Sw	PUSH IN OFF