



***GTA 11-10-033**

**STARTING
PROCEDURES,
RADIO
TELETYPEWRITER
SET AN/GRC-142**

**SUPPORTS TEC
LESSON NO.
201-113-4625-F
31C**

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HEADQUARTERS, DEPARTMENT OF THE ARMY

STEP	UNIT	CONTROL OR SWITCH POSITION
1	SHELTER	Air inlet cover: Opened and latched (Optional).
2	TRUCK	Exhaust pipe hose: installed.
3	AC ENT BOX	Circuit breakers: OFF.
4	AIR COND	SW-2 switch: OFF.
5	TA-312	Handset: Seated in cradle.
6	AC HEATER	POWER switch: OFF.
7	LS-166	VEHICLE-PACKSET: VEHICULAR set use.
8	C-434	REMOTE switch: TEL ONLY.
9	SB-3018	MAIN PUSH ON-PULL OFF circuit breaker: PULL OFF. LIGHTS switch: OFF. BLOWER switch: OFF. LOCK-OUT switch: OFF. 28V RECP: OFF.
37		INVERTERS OWR ON-OFF switch: OFF.
10	MD-522 OR MD-522A	INVERTERS DX ON-OFF switch: OFF. RCV SEND switch: RCV. MODE SELECTOR switch: PWR-OFF PRIM-PWR switch: OFF.
11	SA-1554	LOOP ADJ OWR DX SEND control: mid-range. LOOP ADJ DX RCV PONY control: mid-range. LOCAL-REMOTE switch: LOCAL. LOCK-OUT OVERRIDE switch: LOCK-OUT.

STEP	UNIT	CONTROL OR SWITCH POSITION
12	TT-98/FG	AUDIO TEL REMOTE-CW switch (early models only): AUDIO TEL. MOTOR switch: OFF. LIGHT switch: OFF. LINE-BREAK switch: LINE. SEND-LOCK switch: SEND.
13	PP-4763	ON-OFF switch: OFF.
14	TT-523/GGC	Switch: TD SEND TR SEND/RCV.
15	TT-76A/GGC	MOTOR switch: OFF. LIGHT switch: OFF. POWER switch: OFF. KEYBOARD switch: SEND. SELECTOR switch: 1. START-STOP-FEED RETRACT LEVER: FEED RETRACT.
16	SA-1555	TT-98 DX-RECEIVE PONY BLACK-RED switch: BLACK. TT-98 OWR DX-SEND BLACK-RED switch: BLACK. TT-76 TAPE PUNCH OWR-DX-SEND switch: OWR-DX-SEND.
17	RT-662 or RT-834	SERVICE-SELECTOR switch: OFF.
18	AM-3349	TUNE-OPERATE switch: OPERATE. PRIM PWR switch: OFF. Antenna system: connections tight.
19	ME-165	FUNCTION switch: POWER.
20	FUEL HEATER	CONTROL switch: OFF. If source of power is ac, perform steps 21 thru 28. If source of power is dc, perform step 29 thru 32.

STEP	UNIT	CONTROL OR SWITCH POSITION
21	AC POWER CABLE	AC POWER CABLE: connected to AC INPUT CONNECTOR.
22	AC POWER SOURCE J-2776	Circuit breaker: ON.
23		AC POWER-DC POWER switch: AC POWER.
24		Circuit breaker: ON.
25	AC METER	AC METER reads: 115v.
26	AIR COND	Cool air: switch 1 mid-range, switch 2 ON, switch 3 COOL, switch 4 COOL.
27	HEATER	Warm air, switch 1 mid-range, switch 2 ON, SWITCH 3 HEAT, switch 4 WARM.
28	PP-4763	ON-OFF switch: ON.
29	SB-3018	MAIN PUSH ON-PULL OFF circuit breaker: PULL OFF. LIGHTS switch: ON. (Optional: BLACK-OUT switch pulled out one click when door is open). LOCK-OUT switch: ON. 28v RECP switch: ON. NOTE: If you are using ac power, go to step 33.
30	DC INPUT CONNECTOR	DC power cable: connected to DC INPUT CONNECTOR. (if DC power source is a generator set, circuit breaker: ON).
31	VEHICLE	Engine: STARTED THROTTLE adjusted: VEHICLE

STEP	UNIT	CONTROL OR SWITCH POSITION
32	J-2776	BATTERY CHARGING meter indicates in GREEN AREA. AC POWER-DC POWER switch: DC POWER.
33	SB-3018	MAIN PUSH ON-PULL OFF circuit breaker: PUSH ON. LIGHTS switch: ON. (Optional: BLACK-OUT switch pulled out one click when door is open). VDC METER: reads 28v. (Throttle of vehicle or generator set adjusted). BLOWER switch: ON. LOCK-OUT switch: ON. 28v RECP switch: ON.
34	RT-662 OR RT-834	SERVICE SELECTOR switch: OVEN ON (allow minimum of 10 minutes warm-up). VOX switch: PUSH-TO-TALK. SQUELCH switch: OFF. NOISE BLANKER (early models only) switch: OFF. BFO control: mid-range. MANUAL RF GAIN control: fully clockwise. AUDIO GAIN control: fully counterclockwise. FREG VERN control: OFF.
35	AM-3349	TUNE OPERATE switch: OPERATE. PRI PWR switch: ON.

STEP	UNIT	CONTROL OR SWITCH POSITION
36	MD-522	<p>TEST METER switch: PRIM VOLT. NOTE: If the RATT set is equipped with Modem MD-552, perform step 35 only. If equipped with Modem MD-522A, Perform step 36.</p> <p>RCV SEND switch: RCV. MODE SELECTOR switch: VOICE. AUDIO GAIN control: mid-range. BFO control: mid-range. SCOPE INTENSITY control: fully counterclockwise.</p> <p>METER FUNCTION switch: REGULATED DC METER reads 20 VDC.</p> <p>RECEIVE REVERSE-NORMAL switch: NORMAL.</p>
37	MD-522A	<p>ONE WAY-DUPLEX switch: ONE WAY. RCV SEND switch: RCV. PRI PWR switch: ON. AUDIO GAIN control: mid-range. ONE WAY-DUPLEX switch: ONE WAY. BFO control: mid-range. MODE SELECTOR switch: VOICE. METER FUNCTION switch: REGULATED DC. METER reads 20 VDC. AUTO-MARK HOLD switch: ON. RECEIVE REV NORM switch: NORM. SQUELCH SENS control: fully counterclockwise.</p>

STEP	UNIT	CONTROL OR SWITCH POSITION
		<p>DC LOOP NO 1 control: 60MA. DC LOOP NO 2 control: 20MA. SCOPE INTENSITY control; fully counterclockwise</p>

REFERENCE:

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