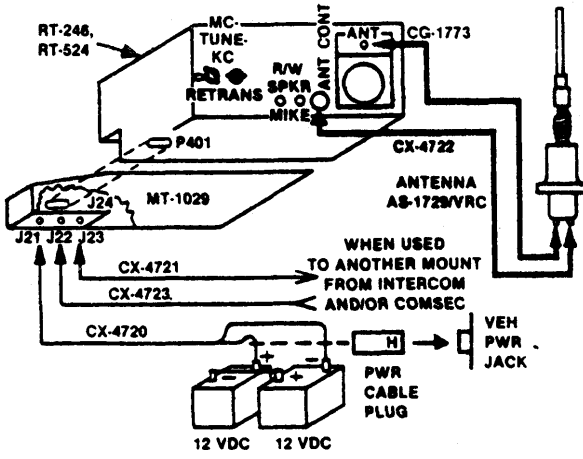
TECHNICAL MANUAL

HEADQUARTERS
DEPARTMENT OF THE ARMY
OCTOBER 16, 1980

OPERATOR QUICK CHECKS FOR RECEIVER - TRANSMITTERS RT-248(*)/VRC (5820-00-892-0823) & RT-524(*)/VRC (5820-00-892-0822)

DISTRIBUTION: ACTIVE ARMY, USAR, ARNG: To be distributed in accordance with DA Form 12-51, Operator Maintenance requirement for RT-246/VRC and RT-524/VRC with AN/VRC -12 and AN/VRC -42 thru 49.



CAUTION

- **DON'T:** Start Vehicle Jeep or Track With Commo On
- **DON'T:** Paint Antenna or Matching Unit
- **DON'T:** Wash Commo With High Pressure Hose
- **DON'T:** Turn Off Engine of Track Vehicles Before Commo Is Off
- **DON'T:** Hook Up Commo Mounts Until You Are Sure of (+ or –) Polarity

SYMPTOM: Dial lamp lights; no sound heard in speaker and earphone (SQUELCH OFF).

STEP 1 Check to see if power circuit breakers have bean tripped. Check antenna control cable connections at RT ANT CONT jack and antenna base; then turn power switch to OFF (breaker-reset) then back to low or high.

STEP 2 Check to see that power cable is firmly connected to underside (left-outside jack) of RT mount. Check to see if rubber cover at J-24 on MT-1029 is removed.
FIRMLY TIGHTEN POWER CABLE PLUG TO JACK.

STEP 3 Check to see that RT is properly secured to mount. Push the RT back on the mount as far as it will go, engage mount clamps with RT feat; then tighten clamps securely by turning thumbscrews clockwise (finger tight).

STEP 4 Check power cable connection to vehicle power source. WHEEL VEHICLE: RED/WHITE WIRE TO POSITIVE (+) TERMINAL OF ONE BATTERY (1); GREEN/BLACK WIRE TO NEGATIVE (•) TERMINAL THE OTHER BATTERY (2). ADDITIONALLY, NEGATIVE (-) TERMINAL OF (1) BATTERY STRAPPED TO POSITIVE (+) TERMINAL OF (2) BATTERY.
TRACK VEHICLE: FIRMLY TIGHTEN POWER CABLE PLUG TO VEHICLE MASTER POWER JACK.

STEP 9 Check for weak or dead vehicle batteries.
WITH RT TURNED ON, TURN VEHICLE HEAD LAMPS ON; THEN CHECK HEAD LAMPS INTENSITY.

By Order of the Secretary of the Army

official:

J. C, PENNINGTON
Major General, United States Army
The Adjutant General

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