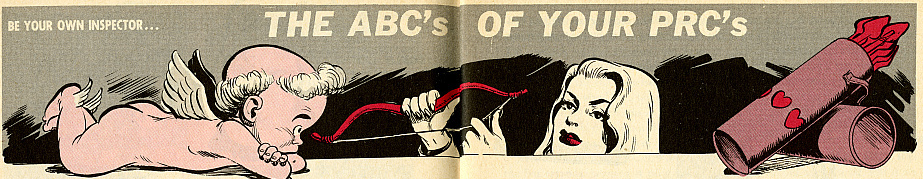
BE YOUR OWN INSPECTOR...

THE ABC's OF YOUR PRC's



In or out.

No matter which way the message is moving, it's mighty nice to know that your portable squawk box is netted in for loud and clear operation.

And since it's built for quick, easy preventive maintenance, your PRC 8, 9 or 10 will go for many, many hours in return for a few minutes of care.

Here's a handy guide that'll keep you on frequency every time—whether the inspector is coming around for a look-see, or you're up forward somewhere, where a man can't afford to miss a word.

As y'know, **major** deficiencies are the ones that call for immediate action. If your radio has a major deficiency, turn it in for repair soonest. On this guide, these major deficiencies are shown in **Bold Type.**

DIAL WINDOW—Cracked, scratched, broken, dirty.

ANTENNA INSULATOR—Dirty, broken, painted.

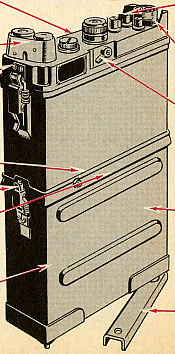
SCREWS, BOLTS, NUTS—Too tight, too loose, **missing.**

BATTERY CABLE—Cracked, frayed, **loose.**

CLAMPS—Loose, bent, fail to make tight connection.

BATTERY PLUG—Prongs dirty, bent.

BATTERY—Weak, **cracked, leaking.**



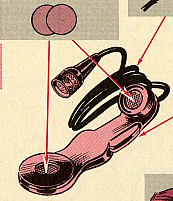
CONTROLS (TUNING, VOLUME, SQUELCH, POWER SWITCH)—Binding, scraping, too loose, **lack positive action.**

RECEPTACLE—Prongs dirty, bent, mutilated.

DIAL LOCK—Too loose, inoperative.

CASES—Bent, corroded.

BATTERY CASE RUNNERS—Bent, loose.



PLASTIC DISCS IN HANDSET R/T ELEMENTS—Missing.

CABLES—Frayed, mildewed, **torn, wire exposed.**

PUSH - TO - TALK - SWITCH — **Fails to make contact.**

CANVAS ITEMS—Frayed, mildewed, torn.

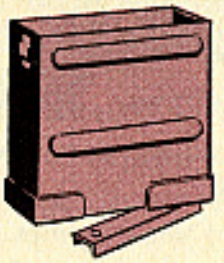
ANTENNA (long and short)—Cracked, rusted, corroded, kinked, paint peeling.

All well and good. But you have to have more'n the receiver-transmitter and battery to make with the talk. You might check your gear to be sure everything is present and accounted for.

These are the so-called Operating Components—the basic items needed to go on the air with a pack-mounted PRC-8 through 10:

ANTENNA AT-272A/PRC (short)

CASE CY-744A/PRC or CY-744/PRC

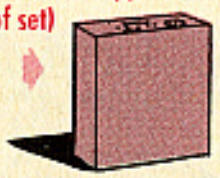


BAG CW-216/PR or BAG CW-216A/PR

ANTENNA AT-271A/PRC (long)

BELT SUSPENDERS M-1945

BATTERY BA-279/U (required but not supplied as part of set)



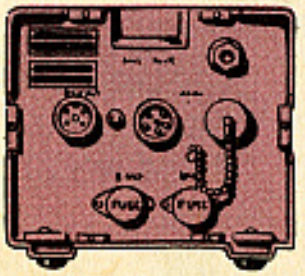
HANDSET H-33B/PT

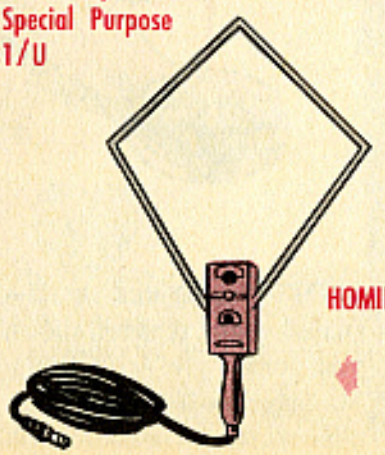
CARRYING HARNESS ST-120A/PR or ST-120/PR

When it comes time to hit the road, a batch of Auxiliary Equipment has to be on the line and ready for use. These are what you should have when your PRC-8, 9 or 10 is mounted in a vehicle:

CONTROL GROUP AN/GRA-6
Local Control C-434/GRC
Remote Control C-433/GRC

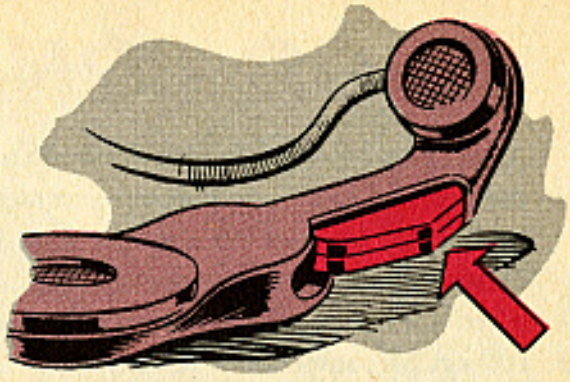
AMPLIFIER-POWER SUPPLY AM-598/U
Mounting MT-759/PRC Accessory Case CY-1210/U. Electrical Special Purpose Cable Assembly CX-2031/U



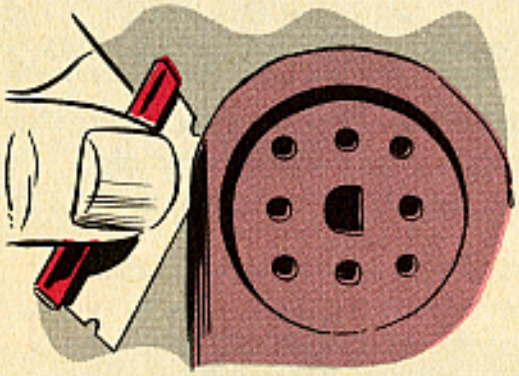


HOMING ANTENNA AT-339/PRC or AT-340/PRC or AT-249/GRD. Note: To increase range, antenna equipment RC-292 may be used.

If your finger gets itchy, try to scratch it on something besides the Push-To-Talk switch on the handset. Hit that switch only when you're actually ready to make with the talk. 'Cause transmitting takes king-sized bites out of the life of your battery. The ratio is about 10 to 1. One minute of transmitting drains as much life as ten minutes of receiving.



And any time your PRC-8, 9 or 10 is going to be out of action for a while, slip the battery out. Leaving it plugged in will bring on old age soonest. Put it on the shelf until the set is needed again.



Incidentally, there've been stories around that the connection 'twixt battery plug P1 and the socket of the battery isn't as snug as you'd like. Leads to what the experts call "intermittent operation." In other words, sometimes you get juice and sometimes you don't.

It usually happens because the cardboard jacket gets in the way—by not giving the plug enough clearance to slip into the socket. The cure? Just cut away a small circular slice of the cardboard so the opening is 1⅜ inches in diameter.

That way, you can slip your plug in with no sweat.

Been some changes made since the first PRC-8, 9 and 10's hit the field. Here's how the MWO's stack up:

MWO SIG 11-612-2	1 July 58	Replaces antenna jacks J1 and J2.
MWO SIG 11-612-3	19 Nov 56	Prevents damage to dial pointer adjusting mechanism.
MWO SIG 11-612-4	10 Jan 57	Eliminates sources of frequency drift.
MWO SIG 11-612-6	27 June 58	Installs a temperature compensating capacitor in the transmitter oscillator stage and maintenance spare transmitter oscillator subassemblies.
MWO SIG 11-612-7 (with Changes 1)	16 Nov 54	Prevents battery drain during retransmission operation in early production AN/PRC-9's and 10's.
MWO SIG 11-4065-1	17 Feb 58	To prevent the runners from becoming disengaged from the battery case.