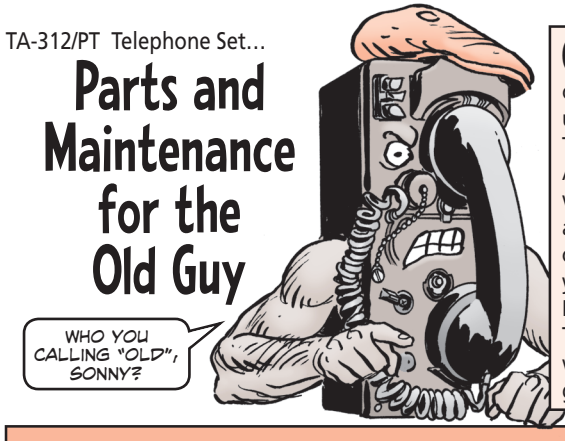
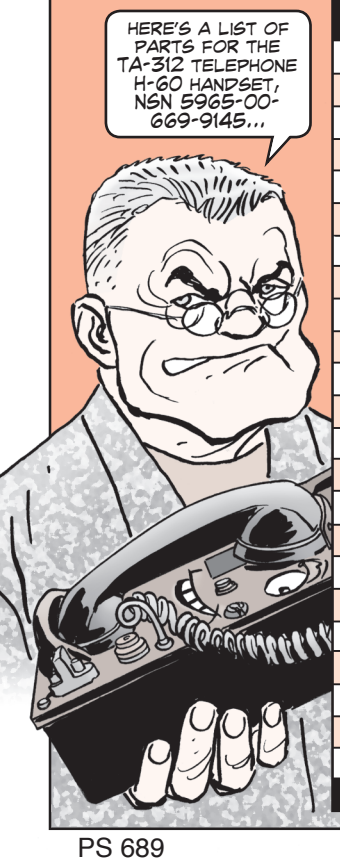
TA-312/PT Telephone Set...

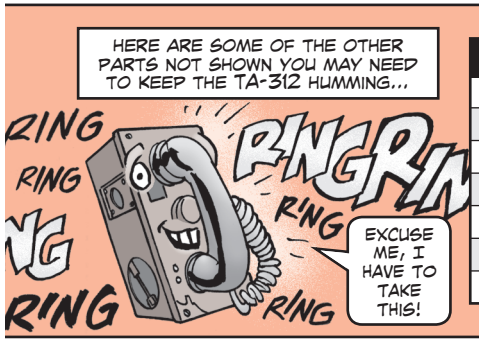
Parts and Maintenance for the Old Guy



Old guys may have a few years on them, but they still can be useful. That's the case with the TA-312 telephone. Some of you Active Army Soldiers might vthink the TA-312 is rocking in a chair on the porch of some commo retirement home. But you're **wrong!** Reservists and National Guard troops know the TA-312 is still communicating vital info on the training ground and battlefield.



No.	Name	NSN
1	Wiring harness	5805-00-392-6857
2	Machine screw (2)	5305-00-149-0949
3	O-ring	5331-00-618-1665
4	Earphone element	5965-00-549-0220
5	Electrical cap	5999-00-502-9378
6	Air filter element	4130-00-392-7628
7	Microphone mouthpiece	5965-00-521-0511
8	Spacer ring	5365-00-392-7649
9	Packing retainer	5330-00-620-1010
10	Microphone element	5965-00-925-5112
11	Electrical contact assembly	5999-01-154-4525
12	Terminal lug (2)	5940-00-050-2308
13	Fixed capacitor	5910-01-015-8167
14	Electrical contact assembly	5999-00-392-7937
15	Microphone element	5965-00-139-4870
16	Voltage sensitive resistor	5905-00-537-6872
17	Machine screw (3)	5305-00-057-0521
18	Cord assembly	5995-00-665-7390
19	Machine screw (3)	5305-00-054-5644
20	Sensitive switch	5930-00-504-6675
21	Electrical switch cover	5930-00-173-8358
22	Electrical switch plate	(order w/ SM-C-207921)
23	Machine screw (2)	5305-00-455-2549

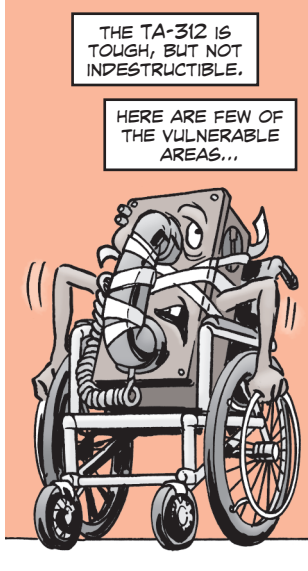


Name	NSN
Case screws	5305-00-054-6670
Rubber boots	5970-00-869-6263
De-ice shield	4130-00-392-7628
Retaining clip spring	5805-01-025-8891
Security lamp	5805-00-782-9210
Security warning labels	7690-00-877-6864
Caution label	7690-00-877-6865

Operators, after rain or when humidity is high, remove the canvas cover, dry it and wipe the set dry. The most critical area to keep dry is the battery compartment. Moisture will corrode batteries and contacts. Wipe out the battery compartment with a clean cloth. If the compartment is dirty, add cleaning compound to the cloth. Use burnisher, NSN 5120-00-255-4458, to clean the contacts.

During rain, keep the set off the ground and covered with a poncho or anything handy.

Always put a drip loop in the field wire before connecting the wire to the binding posts. This will keep water from running right onto the posts.



A broken or lost generator handle probably means an operator decided sudden stops or cranking the handle backwards was fun. Or, maybe, they just forgot to tuck the handle in when they were done cranking.

The handset might seem like a convenient handle for carrying the telephone until it slips from the cradle and you rip the cord off. Use the carrying strap or lift the whole set.

While the spring isn't meant to hold up the phone, it should secure the hand set. To test the retaining clip spring for proper tension, stand the phone on end. If the handset stays in place, the tension's good. If it slips out, the spring is weak and needs replacing. The spring gets weakened by jerking the handset straight out from the cradle. To properly remove the handset, push forward and lift up the transceiver end first.

A lot of folks like to doodle while they talk on the phone. TA-312 operators have their own form of doodling—scratching on the designation plate. Some might even think it's creative. But a missing or unreadable designation plate is a repairable part on the telephone and requires money and time to replace.