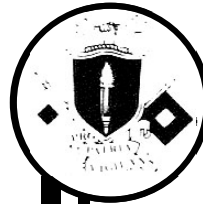


GTA 11-04-018



INSTALL TELEPHONE SET TA-341/PT

**HEADQUARTERS, DEPARTMENT OF THE ARMY
FEBRUARY 1981**

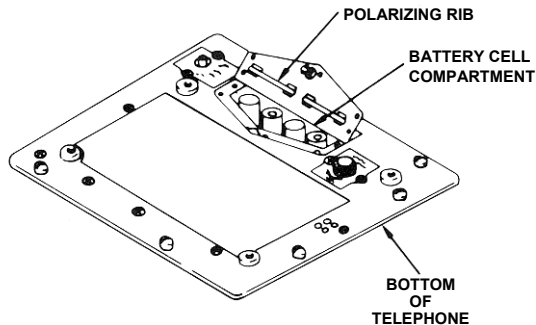
TOOLS AND MATERIALS REQUIRED

1. Screwdriver TL-21.
2. Pliers TL-13A.
3. Batteries BA-42 or BA-2042 (four each).
4. Resistors RCR07GI02JM (1K) (two each).

INSTALLATION OF BATTERIES

CAUTION

DO NOT INSTALL BATTERIES IN TELEPHONES THAT ARE NOT IN SERVICE.



1. Locate the hinged battery-cell compartment cover on the underside of the telephone base, unlock and swing the cover open.
2. Insert four battery cells according to the diagram provided on the bottom of the base plate.
3. Close the battery-cell compartment cover and secure it with the locking device.

PREINSTALLATION CHECK

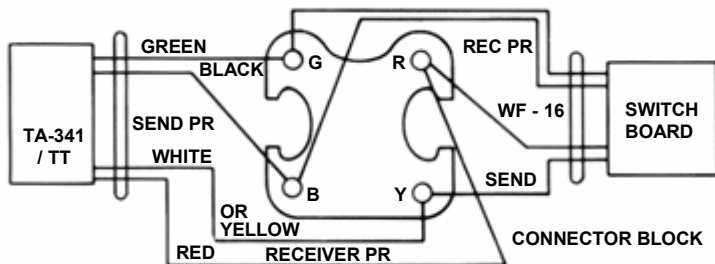
After the batteries have been installed in the telephone, perform the following preinstallation checks:

1. Set the MODE SELECTOR SWITCH to A.C. SUPV position.
2. Remove the handset from its cradle, speak into the microphone and observe the sidetone level at the receiver. The sound level heard (if any) should be barely detectable.
3. Depress each of the 12 digit keys on the digit keysender individually. The sound level should be barely detectable.
4. Place the handset back on the cradle.
5. Set the MODE SELECTOR SWITCH from A.C. SUPV to the POINT TO POINT position.
6. Remove the handset from its cradle, speak in to the microphone and observe the sidetone level. The sound heard in the receiver should be at the normal sidetone level.
7. Depress each of the 12 digit keys on the digit keysender individually; observe the sound level at the receiver. The digit sidetone level should be much lower than the voice sidetone level heard in step 6 above.
8. Place the handset back on the cradle.
9. At the free end of the line cord (at the connector block), insert a 1000-ohm resistor between the green wire, Terminal G, and white or yellow wire, Terminal Y, another 1 000-ohm resistor between the black wire, Terminal B, and the red wire, Terminal R.
10. Remove the handset from its cradle, speak into the microphone and listen for a signal at the receiver. The sound heard should be at a level much higher than the normal speech sidetone level.

- Depress each of the 12 digit keys on the digit keysender individually. The digit selector tones heard in the receiver should be much higher than the normal digit sidetone level.
- Place the handset back on cradle.
- Remove both 1000-ohm resistors.
- Reset MODE SELECTOR SWITCH to the A.C. SUPV position.

INSTALLATION FOR SWITCHBOARD OPERATION

- Determine from the plant records or the wire chief which wires are send-pair and which are receive-pair. Tag the line with send and receive designation. (This is the field wire line, normally WF-16, from switchboard.)
- Remove the cover from the connector block. (Do not disconnect the line cord of the TA-341 from the connector block.)
- Fasten connector block to an appropriate place.



- Connect the switchboard send pair to Terminals R and Y on the connector block.
- Connect the switchboard receive pair to Terminals C and B on the connector block.
- Determine if telephone is to be used with ac or dc supervision. Set MODE SELECTOR SWITCH to proper position.
- Write assigned subscriber's telephone number on station card.

SWITCH OPERATION INSTALLATION CHECK FOR AN / TTC-25

- Set RINGER VOLUME control to mid-range.
- Lift handset from cradle and listen for dial tone.
- Key digit 1. Observe that dial tone ceases.
- Key digits 8 and 7. Listen for 1000 Hz check signal.
- Replace handset in cradle.
- Lift handset from cradle, key operator directory number 100, and request operator or another subscriber to call the telephone to be checked. Replace handset on cradle. When ring signal is received, adjust tone ringer to desired level.

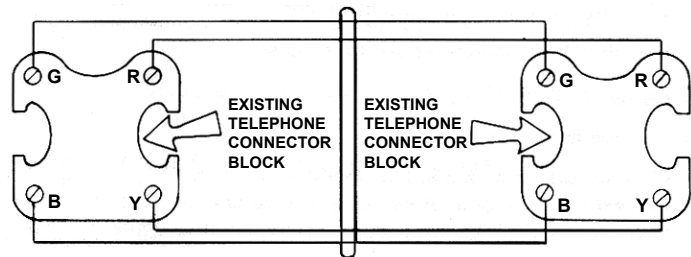
SELF RING INSTALLATION CHECK FOR AN / TTC-38()(*)

- Set RINGER VOLUME to mid-range.
- Lift handset from cradle and listen for dial tone.
- Key digit 9. Observe that dial tone stops.
- Key digits 5, 1 and C, then replace handset in cradle.

- Observe that telephone rings with precedence ring (one second on, one second off) for ten seconds. While telephone is ringing, adjust ring signal to desired level.
- Lift handset from cradle and again listen for dial tone.
- Replace handset on cradle.

INSTALLATION FOR EXTENSION SERVICE

- Remove cover from connector block of existing telephone and extension telephone.
- Fasten connector block of extension telephone to an appropriate place.

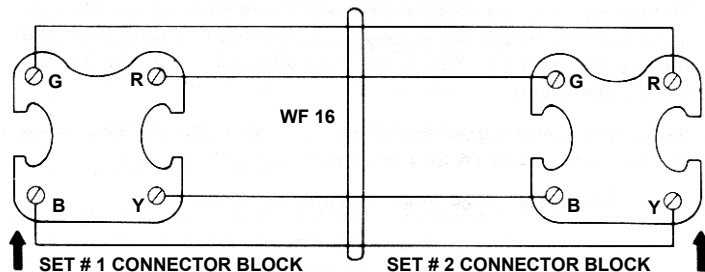


- Connect Terminal R of existing telephone connector block to Terminal R of extension telephone connector block.
- Connect Terminal Y of existing telephone connector block to Terminal Y of extension telephone connector block.
- Connect Terminal G of existing telephone connector block to Terminal G of extension telephone connector block.
- Connect Terminal B of existing telephone connector block to Terminal B of extension telephone connector block.

- Set mode SELECTOR SWITCH of extension telephone to proper position.
- Write assigned subscriber's telephone number on station card.

INSTALLATION FOR POINT OPERATION

- Remove cover from connector block of each telephone and designate one telephone Set #1, and the other, Set #2.
- Fasten the connector blocks to an appropriate place.
- Run Field Wire WF-16 between the connector blocks of each telephone and connect as follows:



- Connect wire from Terminal R of Set #1 connector block to Terminal G of Set #2 connector block.
- Connect wire from Terminal Y of Set #1 connector block to Terminal B of Set #2 connector block.
- Connect wire from Terminal G of Set #1 connector block to Terminal R of Set #2 connector block.
- Connect wire from Terminal B of Set #1 connector block to Terminal G of Set #2 connector block.

POINT TO POINT OPERATION INSTALLATION CHECK

1. Lift handset of Set #1. There should be a burst of ringing at Set #2.
2. When Set #2 is answered, check for talking in both directions.
3. Replace handset on both Set #1 and Set #2.
4. Lift handset of Set #2. Ringing should be at Set #1.
5. When Set #1 is answered, check for talking in both directions.
6. At Set #1, depress each of the 12 digits. Party at Set #2 should hear tones in the receiver as each digit key is depressed. Repeat this procedure by depressing each of the 12 digits at Set# 2. Party at Set #1 should hear digit tones in the receiver.
7. Replace both handsets on cradles.

REFERENCES: CM/SM
36K 1/2

TASK NO.
113-600-1003