

TG-KIT

INSTALLATION INSTRUCTIONS FOR AMPLIFIER IN G STAND

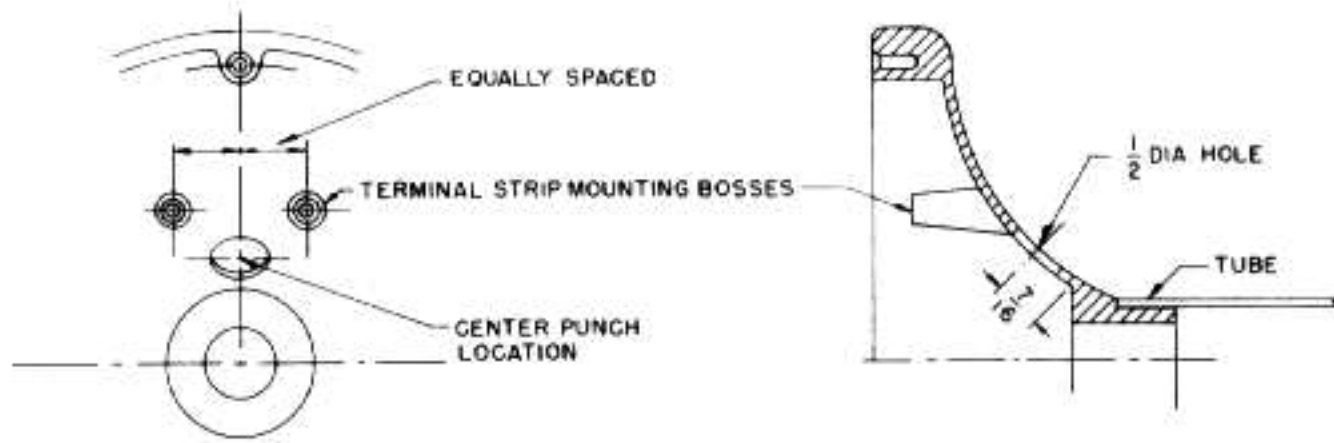
NOTE: READ INSTRUCTIONS CAREFULLY BEFORE STARTING MODIFICATION.

As each operation is performed check it off as "completed".

Unpack the TG-Kit and you will have:

- 1 Bracket assembly with battery clip and volume control. (Handle volume control with care so as not to scratch the carbon track.)
- 1 Amplifier assembly
- 1 Battery
- 1 Battery connector
- 1 Toggle switch with ON-OFF plate, lock washer, hex nut and knurled nut.
- 1 RED jumper lead
- 1 Screw
- 1 Set of instructions

1. Remove microphone from stand - set aside in a safe place.
2. Remove bottom plate by removing three screws in base. Save bottom plate and screws.
3. Remove the cable clamp. Save the clamp and the screws.
4. Remove the terminal strip mounting screws. Save the screws.
5. Push the terminal strip, cable and leads aside to provide clearance for steps 6 and 7.
6. Locate the center of switch mounting hole using dimensions on the accompanying sheet. Center punch this location. See Fig. 1.
7. Drill the $\frac{1}{2}$ inch diameter switch mounting hole. It is suggested a small (approximately $\frac{1}{16}$ " dia.) pilot hole be drilled through the base at the center punch location. The large ($\frac{1}{2}$ inch dia.) hole can then be drilled from the outside of the base. Be careful to hold the base rigidly while drilling to prevent an accident.
8. Solder one end of the RED jumper lead supplied to one toggle switch terminal. Solder the RED battery connector lead to the remaining toggle switch terminal.
9. Mount the toggle switch using the hex nut to determine bushing projection outside the base. Outside the base, place the lock washer, the ON-OFF plate, then the knurled nut. Turn the switch so ON-OFF plate is vertical. Tighten knurled nut securely. Turn switch OFF.
10. Locate the bracket assembly on the cable clamp boss. Replace the cable, cable clamp and cable spring. See illustration for location of bracket and spring. Secure the assembly on cable spring side using screw supplied. Secure the other side with one of the screws previously removed. See Fig. 2.
11. Locate the amplifier board (component side toward base) and terminal strip on bosses as shown in the illustration. Secure with terminal strip screws (Fig. 2).
12. Solder the free end of the RED jumper lead, along with the VIOLET amplifier lead, to the volume control terminal shown (Fig. 3).
13. Solder the BLUE and ORANGE amplifier leads to the remaining volume control terminals as shown (Fig. 3).
14. Solder to terminal A
 - (a) The BLACK battery connector lead
 - (b) The BROWN amplifier lead
15. At terminal B
 - (a) Cut the GREEN microphone lead at the terminal
 - (b) Solder the WHITE amplifier lead to terminal B.
16. Splice the GREEN microphone lead to the GREEN amplifier lead. Solder and tape.
17. Snap the battery connector on battery. Push the battery into battery clip.
18. Align the bottom plate template on the felt side of the bottom plate with screw holes as marked. Locate and drill $\frac{1}{2}$ inch hole through bottom plate (Fig. 4), if not already drilled out as supplied from factory.
19. Position bottom plate with drilled hole over volume control shaft and secure with screws previously removed.
20. Replace microphone on G stand. Plug cable into transmitter. Turn volume control (with screw driver) counterclockwise to zero.
21. Turn toggle switch ON. This activates the transistorized amplifier.
22. Activate the transmitter by means of the G stand actuating bar. Adjust the volume control with a screw driver to desired modulation level. DO NOT EXCEED 100% MODULATION LEVEL. In addition to inviting a F.C.C. violation notice, there is a very real possibility of damage to the audio stages of the transmitter due to excessive audio. In the event it is difficult to adjust the volume control low enough, it is suggested a 470 ohm $\frac{1}{4}$ watt resistor be soldered from the WHITE cable lead to ground at either end of the cable. Generally, once adjusted, the volume control will not need resetting during use under equivalent conditions. The full modulation level capability of the amplifier will seldom be required. Except under unusual conditions, if you find it necessary to use most of the amplifier gain, you should check to be certain the gain is really needed.
23. Normal control of the transceiver during operation is by means of the G stand actuating bar. The toggle switch is used to conserve battery when not operating.
24. Caution must be used on sets on which the outer housing is not both RF and DC ground. Touching a metal microphone case to the housing may result in damage to the set. In isolated cases RF pickup may cause improper performance. In case of this type of trouble, please get in touch with the factory for instruction.



CROSS SECTION VIEW THROUGH PORTION OF BASE SHOWING LOCATION OF 1/2" DIA. HOLE
FIG 1

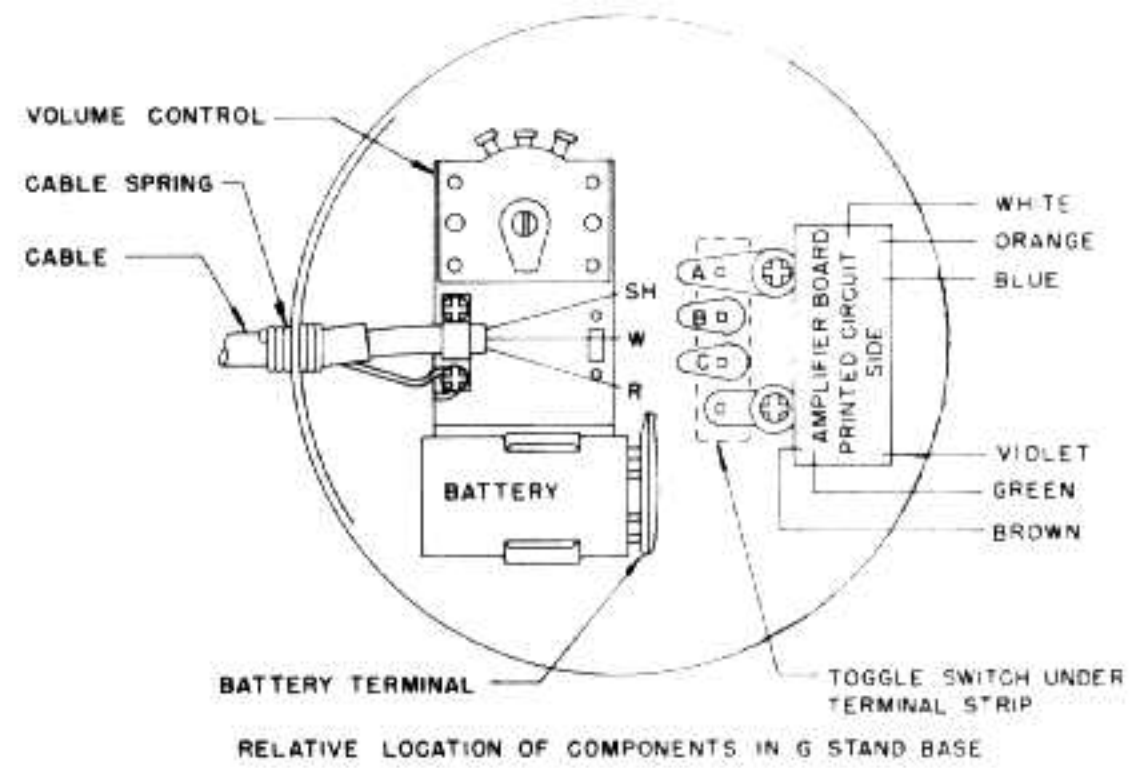
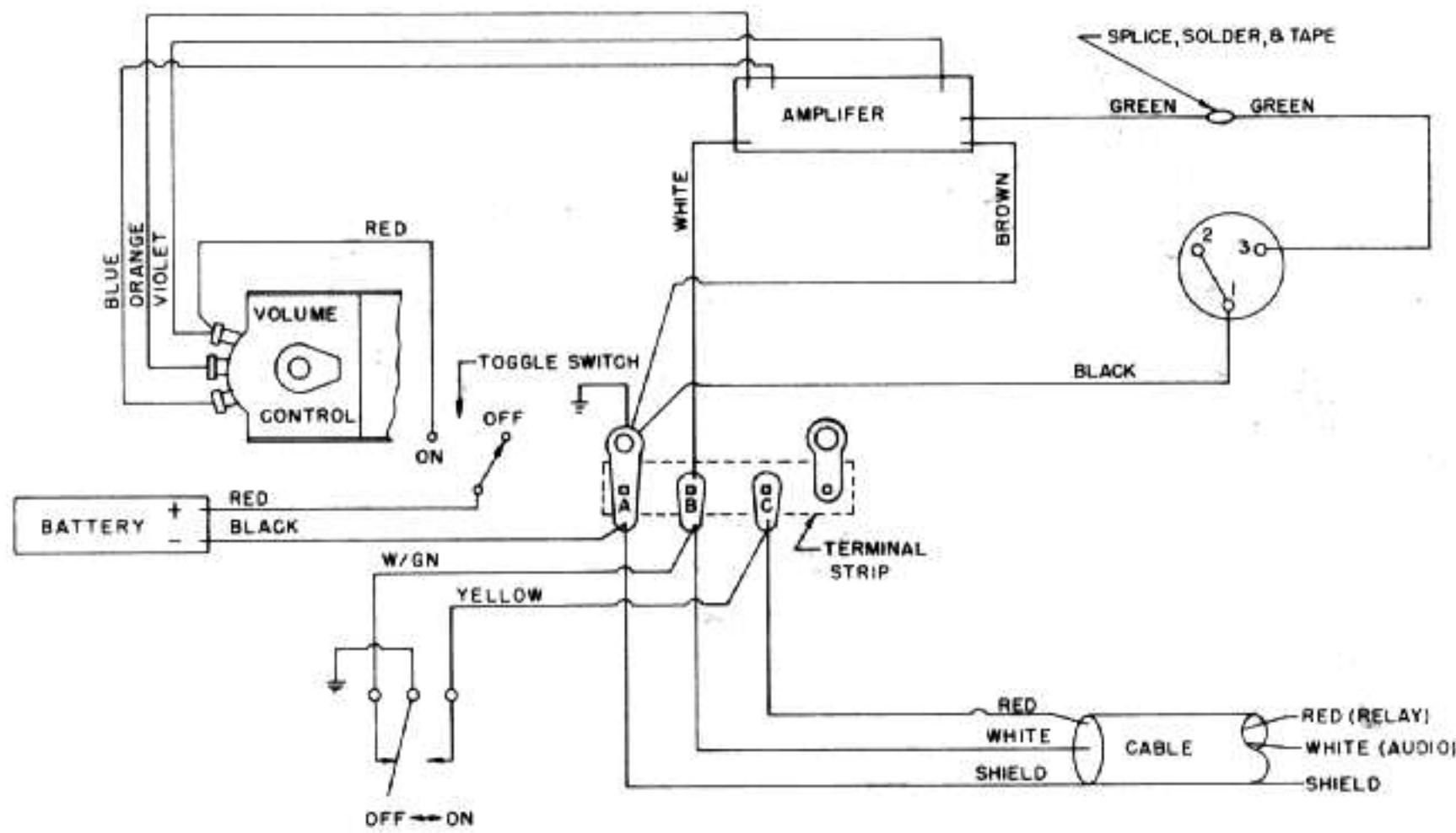
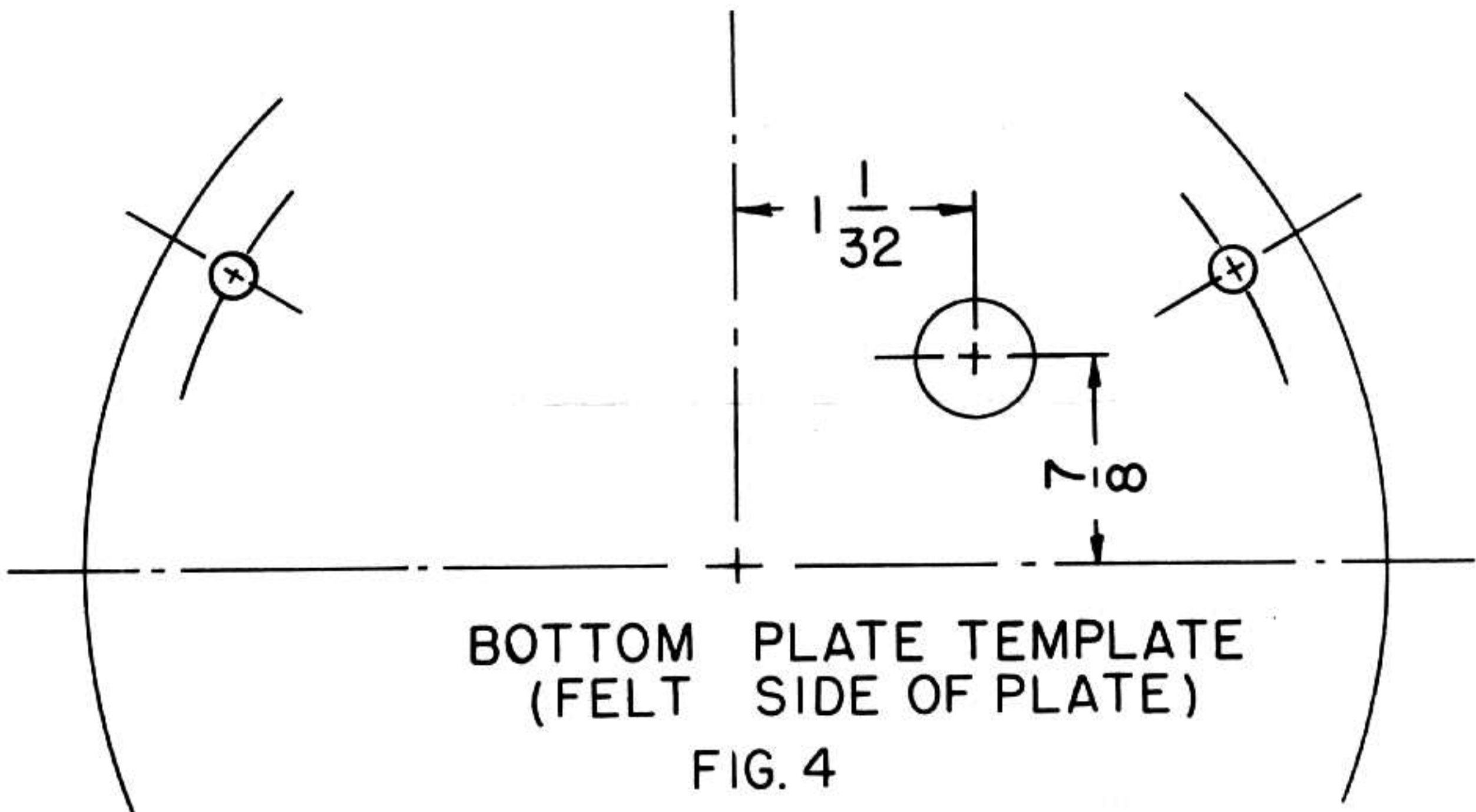


FIG. 2



T.G. KIT WIRING DIAGRAM REV 1
FIG. 3



BOTTOM PLATE TEMPLATE
(FELT SIDE OF PLATE)

FIG. 4

DO NOT DESTROY FIGURE 4
TEMPLATE