

636 - PU - 2 FITTING INSTRUCTIONS.

GENERAL:

The type 636 - PU - 2 is a mains power unit intended to fit directly on to the chassis of any Gramplan type 636 reverberation unit in place of the battery box.

These instructions refer exclusively to fitting the power unit to the 636; operating instructions are separate.

IMPORTANT:

Before attempting to fit the unit, read these instructions carefully. If you have any doubt at all of your ability to carry out the exact procedure specified, leave the fitting to a qualified service technician.

Although fitting the power unit requires no special tools or soldered connections, the specified fitting procedure must be carefully followed - mains connections are involved and INCORRECT FITTING COULD LEAD TO A POTENTIALLY LETHAL ELECTRIC SHOCK HAZARD FOR THE USER.

FITTING PROCEDURE:

These instructions refer to the type 636 units in wooden carrying cases. To fit the power unit to a rack-mounted 636 follow the same general procedure but ignore the instructions referring to the wooden case.

1. Remove the type 636 from its carrying case (2, 2BA bolts at rear)
Disconnect and remove the batteries, if fitted.
Detach the battery box (3, 4BA x 1/4" roundhead screws and plain washers); keep the screws and washers for use later.
2. Remove the cable clamp holding the white battery lead at the rear edge of the 636 chassis, but replace the screw (4BA x 3/8") nut and shakeproof washer, with the screw head on top of the chassis.
3. Cut the white battery lead and the red and black wires on both sides of the clip below the on/off switch; make the cuts close to the clip so that the wires to the switch are released and no long ends remain under the clip.
4. Remove the old battery switch from the panel.
5. Cut away about 2" (5 cm.) of the outer covering from the remaining part of the white battery lead attached to the 636, and strip about 1/2" (1.5 cm) of insulation from the end of each of the three internal wires - take care not to pull the lead as this may break the connections to the internal circuit.
6. Unpack the power unit.
On its rear, near the voltage selector are two domed head screws (6BA x 1/4") which hold the unit on to the mounting plate.
Undo these screws and slide off the plate.
7. Attach the mounting plate to the 636 chassis in place of the battery box, using the three original screws and washers. Tighten the screws with the plate as near the end of the chassis as possible.
If the holes in the plate do not align with the chassis they may be opened out slightly, using a small rat-tail file.
8. Stand the power unit against the back of the 636 chassis, so that the mains switch on its short lead will reach the mounting hole in the 636 front panel.
Fit the new switch to the panel so that the end with wires connected is at the bottom. MAKE SURE THAT THE SWITCH IS TIGHTLY SECURED - it carries mains power; if it comes loose and touches any internal parts a lethal electric shock could occur.

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9. Slide the power unit on to the mounting plate, taking care that the lead to the switch is not trapped - it should pass under the rear edge of the printed circuit on the power unit.
Fix the unit in place using the domed head screws.
10. Check (by looking along the 636 chassis) that the tags of the mains switch are well clear of the power unit printed circuit.
11. Attach the three prepared wires of the white internal battery lead to the terminal strip on the side of the power unit - each wire goes to the terminal marked with the appropriate colour - if the wires are too short, release the final clip holding the battery lead to the chassis by bending the clip carefully.
12. Set the A.C. voltage selector screw on the rear of the power unit to the range appropriate to the local supply.
13. Make 1/2" (1.5 cm.) dia. hole in the back of the 636 carrying case at the power unit end - in most units there is a hole already made (about 4" (10 cm.) from the end) but concealed by the case covering material.
14. Pass the white mains lead from the power unit through this hole and refit the 636 chassis into the case.
15. Fit a suitable plug to the Mains lead.

In accordance with British Standards:

The BROWN lead is the LIVE-connection

The BLUE lead is the NEUTRAL connection.

The GREEN/YELLOW lead is the EARTH (Chassis) connection.

Since the unit consumes only a small amount of power it may be operated from any domestic power outlet.

16. To check the operation of the unit, refer to the 636 and 636 - PU - 2 operating instructions.