REPAIRING OR REPLACING

-Translated from the original by James Penn

Electric plugs (or "male" sockets) are attached to the end of the electrical cord of electrical appliances, & are used to connect them to the electrical current.

Simple plugs are composed of a body of plastic or rubber with two prongs to which are connected the two wires of the electrical cord. Plugs for appliances that are grounded by a grounding line have three prongs or two prongs à a hole as the have three prongs or two prongs à a hole as they have three wires in them. You may also run into some plugs that have four prongs when the appliance is to be used on a triphase circuit. (This class only deals with simple two wire plugs.)

Many mishaps are caused by plugs that are in had condition, as they are quite fragile å are often very roughly handled:

"The lamp or appliance does not work when plugged in. In this case, start by trying the lamp in another well socket, to ensure that the problem is not due to the lampbulb, or a faulty wall socket. If this is not the problem, one of the wires in the interior of the plug must have become disconnected.

"The plugged-in appliance, works haphazardly, or there are sparks when it is plugged in. In this could be because or incorrectly fired, or a bad connection in the interior of the plug.

"There are a lot of sparks when the appliance is plugged in accompanied by the blowing of the fuse or circuit breaker. This is due to a "short circuit" caused by the direct contact of the two wires in the interior of the plug, in case of problems, start by taking apart the plug & check the connections. The repair of electrical plugs is simple & is not dangerous.

WHAT YOU WILL NEED	
TOOLS	ACCESSORIES
*A small elec- trician's screwdriver *A sharp knife *Wire cutters or a big pair of scissors	*if necessary, a new electric plug



1) There are several different types of electrical plugs:
To take apart type 1, unscrew the central screw which holds the two covers to the plug. The electrical wires are enclosed in the ends of the promps & are held there by a small screw on each

which holds the two covers to the plug. The electrical wires are enclosed in the ends of the prongs å are held there by a small screw on each prong.

"On type 2, the prongs are screwed into the hody of the plug. Unscrew then by hand, or if necessary with the blade of a knife. The wires are wrapped around the best of the prongs, å are held tightly there when the prongs are screwed in. "The prong-holder of type 3 is fixed into the place cover over the two places of the prong-holder of type 3 is fixed into the place cover over the two places over two places over the two places over

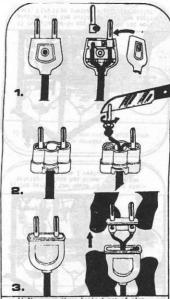


\*In the case of simple plugs with only two wires, each wire can be hooked to either of the two prongs This is not the case with three or four prong plugs, for which each wire must be carefully re-connected to its original prong.

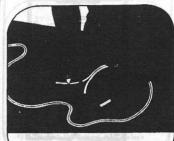
\*Certain electrical appliances have plugs that are a little too big for normal wall sockets. In this case, cut the wire # replace the plug with a normal plug, or buy a small cheap adapter plug at an electrical supply shop.

\*If the plug is old & in bad condition, replace it so that you do not have the same problem again.

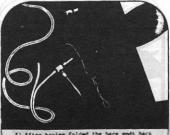
\*Avoid pulling on the cord when you want to umplug the appliance. It won't stand up to this sort of treatment, & you might also loosen the wall socket.







I bare the end of each wire with a sharp knife.





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slated from the original by James Penn. the electrical wires of your Home have roug a current going through them, they at a could cause a fire. In these same tances, the various appliances that are I in could easily "burn out" is on perma-damaged.

groups a current going through these sait a could cause a fire, in these satt accord cause a fire, in these satt accord cause a fire, in these satt accord cast by the course of the cause of the cause

b) an overleading of the electrical tion, when too many appliances are plugged into the same circuit.

2) Where is the rung? The fuses are either grouped on a panel near the main circuit breaker is electrical counter, or in or near the rooms that they control.

3) How to replace the fuse? As leng as you have

few extra fuses on ha o do.	N. A. S. Commercial Street, Supplemental Street, Square, Squar
WHAT YOU	WILL NEED
TOOLS  *Medium size screw driver *A knife	ACCESSORIES
	*A flashlight *Stepladder *Some extra fuses (from an electric



STEPS TO FOLLOW

1) There are several models of fuses:

\*\*Box\*\* fuses. I take it off by simply pulling on
the cover which is "plugged" in its socket. The
fuse wire is held on two pegs by small flat head
screen.

\*\*Pin\*\* fuses. They name a meaning the several.

fuse wire is held on two pegs by small flat head screen? fuses. They plug a unplug like an electrical plug. The pins unscrew by hand or with the blade of a kinfe might i put in the crack which is apparent. The fus wire is kept on the pegs by the lower part of the pins. "Cartridge fuses. If it is a cylindrical cartridge (type C), unscrew the two pins that cartridge (type C) is a cylindrical cartridge out. If it is a flat cartridge (type D) unscrew the two pins take the cartridge controlling out the plate. To locate a defective cartridge, exchange it with cartridge controlling other pine different part of the house are sewetimes crouped tooether on.

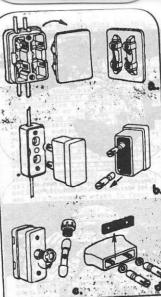
of the house are sometimes witch a electrical counter.

3) They can also be found in or near the rooms that they control. They are usually quite high up, in a corner 5 out of reach.

In case of difficulty follow the electric wire winth will inevitably lead out to the fuse wire on the "box" model: 4) To replace the fuse wire on the "box" model: 4) To replace the fuse wire on the "box" model: 4) To replace of melted fuse wire, a remove the two pieces of melted fuse wire. See a remove the two pieces of melted fuse wire (sold in spoils).

The small piece of one fuse wire (sold in spoils), see the fuse wire in the ferm of an "st wind the ends around the two pins (at least cate), a serve the screws on tightly.

S) On the "pin" models, the securing method is the same, the fuse wire being hald by the base of the pins which are screwed to the bottom with help of a knife blade.



Different types of fuses:

 a) "box", b) "pin", c) cylindrical cartridge or d) flat cartridge.



They might also be situated in or near the rooms that they control.



4) The fuse wire is shaped like an "S" & the ends held by the heads of the screw.



5) Un the "pin" models, the fuse held by the round base of the p

RECOMMENDATIONS:

\*To avoid difficult 8 sometimes lengthy investigations in case of a blowout, identify ahead of timel

ack fuse 8 the sector that 16 controls, tabel 16 clearly:

ack fuse 8 the sector with 17 copper wire to replace fuse wire. In case of overheating it will not

after use, even temporarily, copper wire to replace fuse wire. In case of overheating it will not

acknowledge to the sector of t