

ELECTRICAL FIRES CAN BE PREVENTED!



By PowerCheck



IN THIS WELL KEPT OLDER HOME...

A SERIOUS FIRE HAZARD WAS PRESENT



Deteriorated live conductors at service entrance of house, millimeters away from flashing and creating fire

IMMEDIATE ATTENTION WAS REQUESTED



Within one hour
homeowner had
their electrician on
site to prepare
new installation of
electrical service

KEY FIRE HAZARDS IN OLDER HOUSES, DUE TO DETERIORATION



Ground clamp has broken away from copper water pipe, increasing risk of fire and electrocution

HANDYMAN ADD-ONS



Multiple circuits
hazardously
installed, putting
house at increased
risk of electrical fire

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HANDYMAN ALTERATIONS



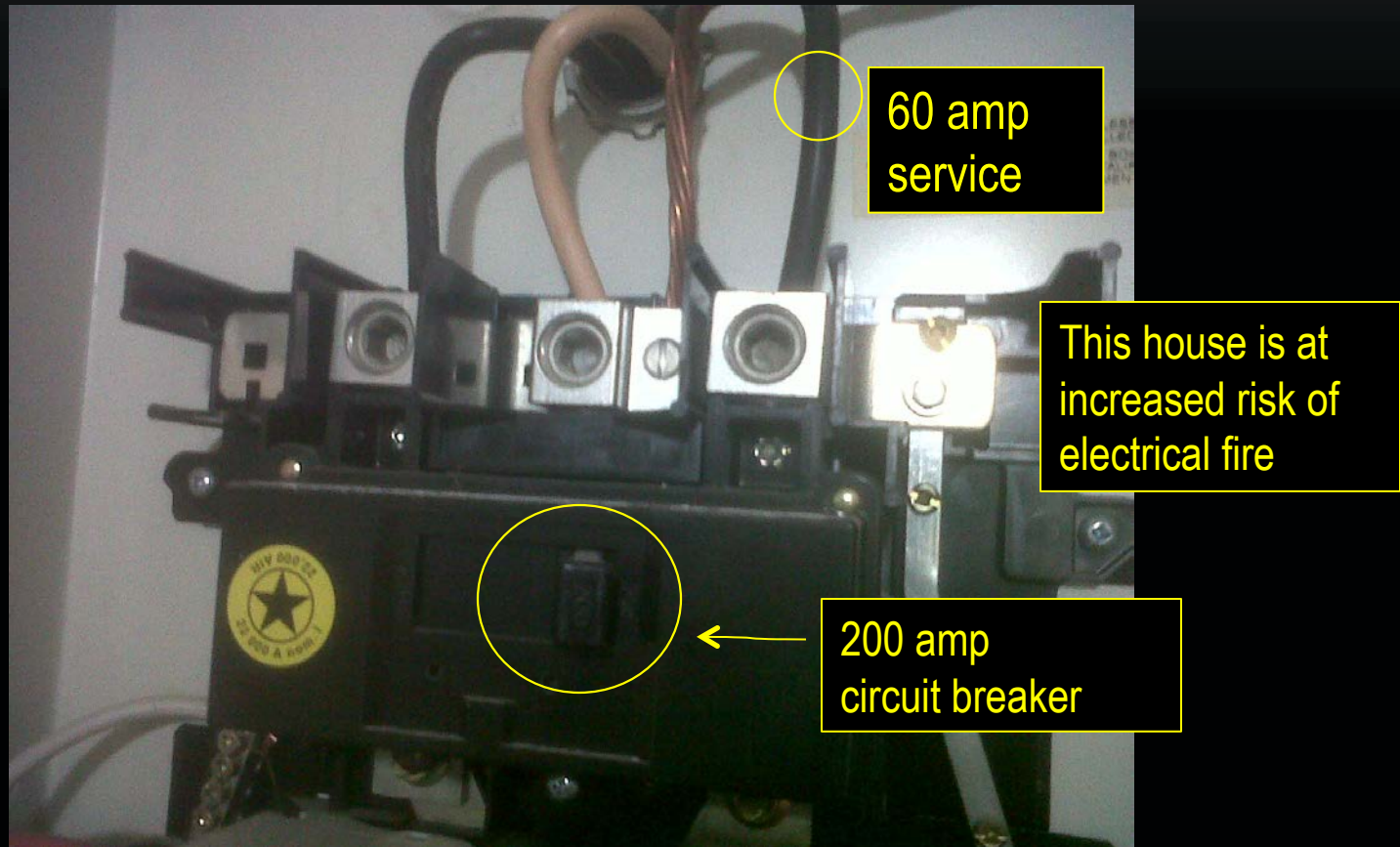
Burnt out
pigtail on
aluminum wire
due to incorrect
wire connectors

OLD HOUSES SHOULD TO BE CHECKED
THOROUGHLY FOR ELECTRICAL SAFETY



**IF IT HASN'T BEEN CHECKED
SINCE NEW,
IT'S HIGH TIME OVERDUE !**

PROBLEMS WITH ELECTRICAL PANELS: OVERSIZED CIRCUIT BREAKERS



OBSOLETE CIRCUIT BREAKERS

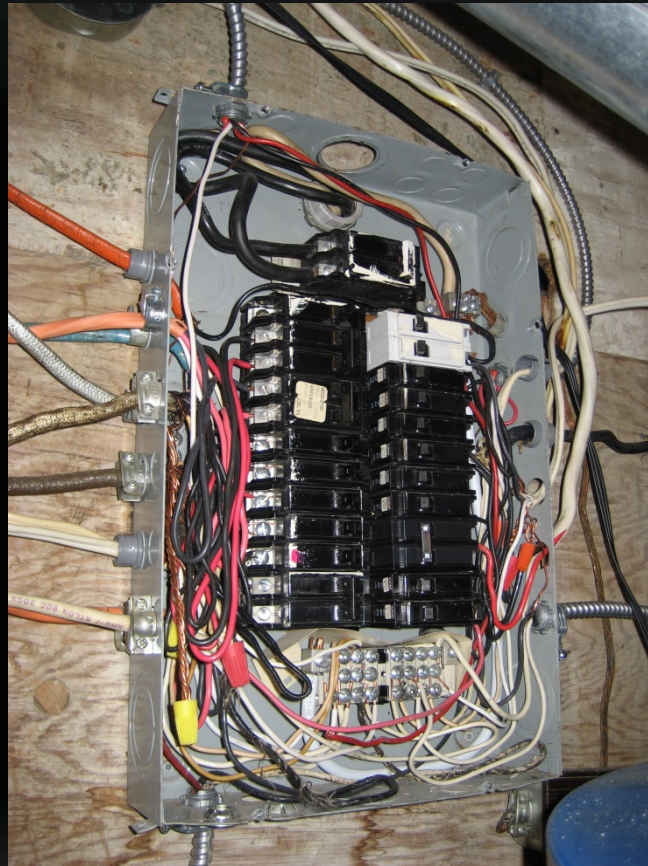


These circuit breakers, "Square D, Type XO" are no longer installed, as they do not meet modern specifications, putting house at increased risk of fire

BURNT-OUT CIRCUIT BREAKERS

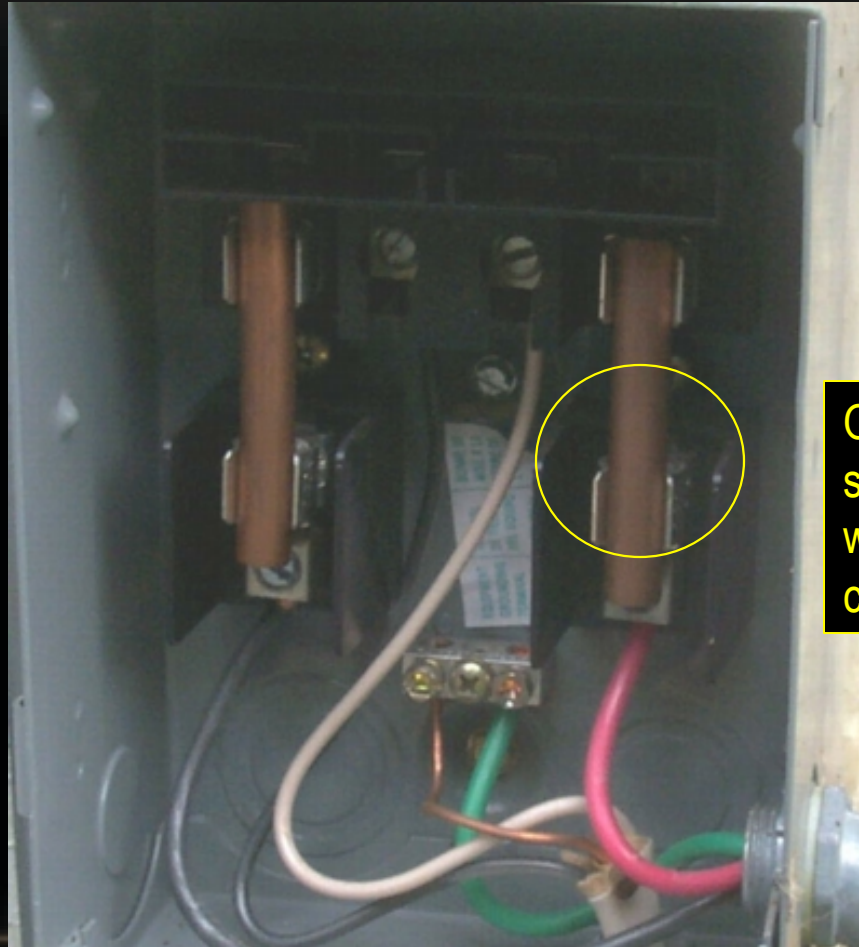


LOOSE ELECTRICAL CONNECTIONS



As houses age, electrical connections often become loose, increasing risk of electrical fire

AND ON OCCASION: A COMPLETE DISREGARD FOR SAFETY



Original main fuses, in service switch replaced with short lengths of copper water pipe

SOME REPAIRS COMPROMISE THE ELECTRICAL SYSTEM



Repair of copper
pipe with plastic
PEX breaks the
electrical grounding
of the house

IN OLD HOMES ELECTRICAL WIRES ARE OFTEN FOUND LIVE!



Live electrical conductor found millimeters from gas pipe

Often found in the basement, and sometimes in the vicinity of the gas pipe, live wire creates risk of fire and electrocution.

SOME TIDY-UPS DONE BY HOMEOWNERS CREATE SERIOUS FIRE HAZARDS



Metal staples
securing cord,
over time can
easily cut into the
cord, creating fire

SOME ACTIONS BY OCCUPANTS SET SCENARIO FOR FIRE



IN OLDER HOUSES FIRE HAZARDS ARE EVERYWHERE!



Unfilled knock outs commonly called "Mouse holes" provide easy access to the warmth in an electrical box

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CONNECTIONS NOT IN BOXES



Live electrical connections sandwiched between wooden boards

IN OLD HOUSES HANDYMAN ADD-ON CIRCUITS ARE ABUNDANT



Installer failed to install an electrical box behind this dryer outlet, putting house at increased risk of fire

BASEBOARD HEATER OFTEN FOUND HAZARDOUSLY INSTALLED



Installer failed to install a "box connector" to protect cable, putting house at increased risk of fire

CABLES WITHOUT PROTECTION



Installer failed to install
“Anti-short” on this cable
to a new furnace,
putting house at risk of
fire”

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ADD-ON LIGHT FIXTURES



Installer failed to install a junction box behind this add-on lampholder, putting house at increased risk of fire.

KNOB AND TUBE HAS CONCERNS



KNOB AND TUBE HAS SOLUTIONS



ALUMINUM WIRE HAS CONCERNS



ALUMINUM HAS SOLUTIONS: HOWEVER, COPPER PIGTAILING MAY INCREASE RISK



Copper Pigtailling on aluminum conductors **CANNOT** be done with standard wire connectors

Aluminum Wire Repair, Inc© 2004

CABLES FOR INDOORS ARE NOT FOR OUTDOORS



Old indoor cables have deteriorated, taped with duct tape by occupant. House is now at increased risk of fire.

HANDYMAN ADD-ON CIRCUITS: OFTEN FOUND WITH NO REGARD FOR SAFETY





**WITH A THOROUGH ELECTRICAL CHECK-UP,
ON A REGULAR BASIS, OLD HOUSES CAN
REMAIN SAFE FOREVER**

Thank you