

# PHILCO MODEL 029 APPLIANCE TESTER

The MODEL 029 includes a voltmeter for measuring A.-C. or D.-C. line voltage and a two-range wattmeter for measuring power.

The range of the voltmeter is: 0-250 volts A.C. or D.C.

There are red marks on the scale at 110 volts and 220 volts to indicate normal line voltages.

The ranges of the wattmeter are: 0-375 watts—0-1500 watts.

## FUSE:

The current coil of the wattmeter is protected from overload by a 15-ampere fuse. This fuse is in the extractor fuse post located between the two meters. To replace the fuse remove the bakelite screw in this post, marked "Fuse". The fuse is first inserted in the removable cap of the fuse post, then the assembly of fuse and cap is inserted in the fuse post.

## OPERATION:

Remove the attachment plug of the appliance to be tested from the wall outlet and insert the attachment plug of the Model 029 in its place. Insert the attachment plug of the appliance in the outlet at the side of the case of the Model 029. Turn on the power to the appliance. To measure line voltage snap the volt-

meter switch to "IN" position. Line voltage will be indicated directly on the meter scale.

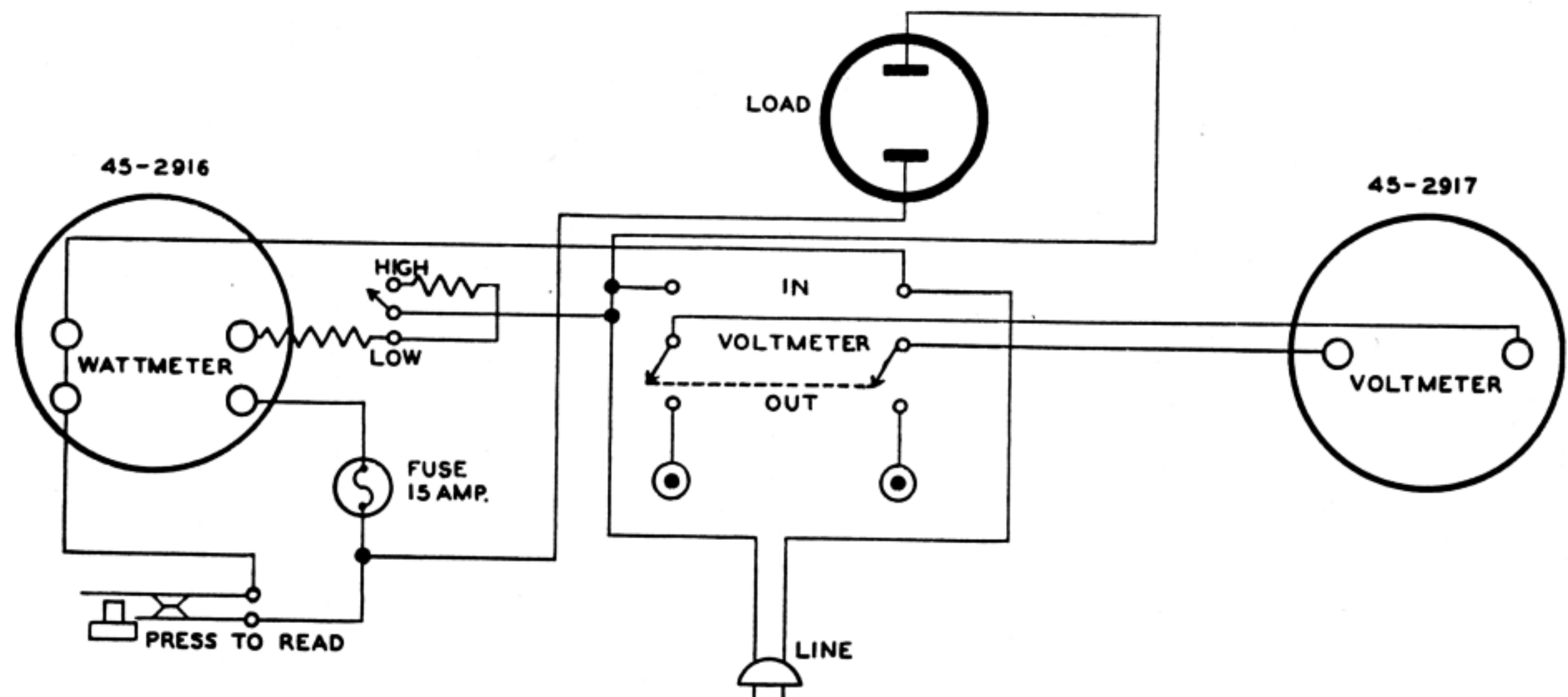
To measure power consumption of the appliance the wattmeter switch should be snapped to the "HIGH" position before pressing the "Press to Read" push button. Press the push button and read the power in watts directly on the 1500-watt scale of the meter. Keep the wattmeter switch in the "HIGH" position (1500-watt scale) for all large appliances. If the reading obtained is less than 375 watts the wattmeter range switch should be moved to the "LOW" position and the wattage read on the 375-watt scale of the meter.

If it is desired to test for voltage at various parts of the circuit in the appliance under test, the voltmeter switch should be moved to the "OUT" position. In this position the voltmeter is connected to the voltmeter jacks. The voltmeter can then be used with a pair of test leads to check continuity through the component parts of the appliance.

## MAINTENANCE:

If the wattmeter fails to operate, check the fuse mentioned in a preceding paragraph, and if this fuse is defective, replace with a 15-ampere one. The wattmeter will not operate if this fuse is open.

If the voltmeter fails to operate, check to see that the voltmeter switch is set in the proper position.



PHILCO MODEL 029 APPLIANCE TESTER (SCHEMATIC DIAGRAM)



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