

**Addenda to
American National Standard/Canadian Gas Association Standard**

Z21.40.2-1996 - CGA 2.92-M96

for

**GAS-FIRED, WORK ACTIVATED
AIR-CONDITIONING AND HEAT PUMP
APPLIANCES**

**ANSI Z21.40.2a-1997
CGA 2.92a-M97**

**PART II
PERFORMANCE**

2.6 ENGINE OPERATING CHARACTERISTICS

2.6.1 Engine Starting

Gas engines shall be capable of starting and restarting within the designed starting cycle.

Method of Test

Six tests shall be conducted with the appliance exposed to an ambient temperature of 125°F (52°C): three at 85 percent of the appliance rating plate voltage and at normal, reduced and increased appliance supply test pressures specified in 2.3, and three at 100 percent of the appliance rating plate voltage and at normal, reduced and increased appliance supply test pressures specified in 2.3.

Six additional tests shall be conducted with the appliance exposed to the manufacturer's specified minimum ambient operating temperature: three at 85 percent of the appliance rating plate voltage and at normal, reduced and increased appliance supply test pressures specified in 2.3, and three at 100 percent of the appliance rating plate voltage and at normal, reduced and increased appliance supply test pressures specified in 2.3.

The appliance shall be placed in operation in accordance with the manufacturer's starting instructions and operated as specified in 2.1.8. After equilibrium conditions have been attained all electrical power to the appliance shall be shut off. After at least 2 minutes of shutdown, the electrical power shall be restored. The engine shall restart and operate within the designed starting cycle.

NOTE: Changes, other than editorial, are denoted by a vertical line in the margin.

**Approved March 13, 1997 by American National Standards Institute, Inc.
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EXHIBIT B**ITEMS UNIQUE TO ONE COUNTRY (U.S.A.)****B.1 1.8 ELECTRICAL EQUIPMENT AND WIRING**

1.18.9 The leads or terminals of an individual control in the gas control circuit that are provided for making electrical connections and which are intended to be disconnected in order to replace or service the control shall be identified by a number(s), letter(s), symbol(s) or combination thereof, in a color which contrasts with the background. This provision does not apply when:

- a. The control incorporates means which shall physically prevent miswiring; or
- b. The control incorporates only two terminals or leads, the interchange of which does not change the operation of the control.

(Former 1.18.9 through 1.18.49 become 1.18.10 through 1.18.50, respectively.)