



Consumer and
Corporate Affairs

Consommation et
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Standards

Normes

**NOTICE OF APPROVAL
AVIS D'APPROBATION**

S.WA-1031

Ottawa, February 13, 1979

GILBARCO - HIGHLINE 111B DISPENSERS - ELECTRONIC REGISTER

MANUFACTURER: Gilbarco Canada Limited
1360 California Avenue
Brockville, Ontario

DEVICES APPROVED: Gasoline dispensers with integral electronic computing register with two-level pricing, model series ECB, designated as "Highline 111B."

These dispensers may be furnished as single hose models, or as dual one product or dual two product models, and with either suction pumps or remote pumps. Model numbering is in accordance with Gilbarco model number code sheet no. 99, a copy of which is incorporated in this Notice of Approval.

The electronic register (C.D. module) can be furnished in a number of variants in order to accommodate either single or dual installations, and to be able to operate in conjunction with a variety of Gilbarco self-serve systems, and to provide several logic and display options. Model numbering is in accordance with Gilbarco model number code sheet no. 98 (pages 1 and 2), copies of which are incorporated in this Notice of Approval.

APPLICATION: Retail gasoline trade, either self-serve or attendant-served installations.

DESCRIPTION: These dispensers utilize the liquid handling components of the Gilbarco "hydraulic tree," which is covered by Notice of Approval No. S.WA-867, with some configuration changes to permit use of a compact enclosure. Additionally, the meter drive shaft is modified so that a pulser (signal transmitter) can be directly driven by the meter.

The dispenser register (C.D. module) is the full electronic type incorporating a microprocessor which receives input from the meter-driven pulser unit and provides a digital display of money and volume registration by means of seven-segment gas discharge tubes.

DESCRIPTION: continued

For attendant-served installation, the dispenser system is equipped as a self-contained independent unit, being designated as "stand alone" type. For "stand alone" dispensers the controls for price-setting and other variables normally restricted to the manager's use are housed in a portable control cabinet known as a "command module," one command module normally serving all dispensers at a sales outlet. The dispensers are programmed by plugging the command module into each dispenser in turn and making the appropriate settings.

For self-service installations the dispenser is operated in conjunction with a compatible Gilbarco self-serve control system, the system capability and mode of operation being as described in Notices of Approval Nos. S.WA-964, -1030, -1080, -1081 and -1039 as applicable.

The two-level pricing feature permits the setting of two prices for each product for day/night sales, cash/credit sales, etc. Provision is made for presetting both prices so that a level change can be made by simply operating a selector switch, with access normally being restricted to the station manager.

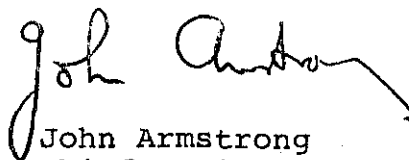
MARKING: On self-serve dispensers there shall be installed on each dial face, a permanent legend, in letters at least 3/16" high and reading as follows:

"In case of disagreement between this register and the cashier's register, this register shall be taken as correct."
Or "Charges must agree with this register."


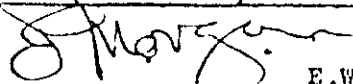
TESTING: The standard tests for self-serve and attendant-served gasoline dispensers shall apply.

REFERENCES: G6953-G188-9
Test Report, October 1977

CONDITIONS OF APPROVAL: Approval is granted under the Weights and Measures Act, S.C. 1970-71-72, Chapter 36, and the Weights and Measures Regulations P.C. 1974-1461 of June 27, 1974 for use in Canada under the general conditions of the said Regulations, and under any special conditions listed above.



John Armstrong
Chief, Weights and Measures
Legal Metrology Branch

 GILBARCO CANADA LTD ENGINEERING DEPARTMENT	NUMBER 99	REVISION 82	PAGE 1 OF 1
	EFFECTIVE DATE THIS DATE	DATE REVISED 23 NOV., 1978.	
	APPROVED  E.W.G.MORGAN.		

SUBJECT
HIGHLINE 111B MODEL NUMBER CODE.

NOTE: TO COMPLETE CODE SEE SHEET NUMBER 98, COMPUTER/DISPLAY (C.D.) MODULE CODE, AND ADD G-- NUMBER IN NINTH, TENTH AND ELEVENTH POSITION OF MODEL NUMBER REQUIRED.

ECB

- E CANADA.
- C ELECTRONIC GAS PUMP/DISPENSER.
- B NORTH AMERICAN.

ECBX

- A DISPENSER, STANDARD GALLONAGE.
- B PUMP, STANDARD GALLONAGE.
- C DISPENSER, HIGH GALLONAGE.
- D PUMP, HIGH GALLONAGE

ECBXX

- A SINGLE.
- B DUAL ONE PRODUCT.
- C DUAL TWO PRODUCT.

ECBXXX

- E STANDARD NOZZLE BOOT-- WITH TOTALIZER, IMP.GAL.
- G STANDARD NOZZLE BOOT - WITH TOTALIZER, METRIC.

ECBXXXX

- A FULL SERVICE AND FILL UP - SINGLE PULSING - LESS V.D.I.
- B PRESET - SINGLE PULSING - LESS V.D.I.
- C FULL SERVICE AND FILL UP - SINGLE PULSING - WITH V.D.I.
- D PRESET - WITH V.D.I.

ECBXXXXX

- O ORIGINAL RELEASE (HIGHLINE 111A)
- A FIRST MAJOR REVISION (HIGHLINE 111B)

ECBXXXXXXXX

- G-- C.D. MODULE 'G' CODE NUMBER. SEE ABOVE NOTE.

ECBXXXXXXXXXX

- 00 MINOR VARIATIONS
- 0A PAINTED LOWER PANELS, LESS LOCKS.
- 0B STAINLESS STEEL LOWER PANELS, LESS LOCKS.
- 0C PAINTED LOWER PANELS, WITH LOCKS.
- 0D STAINLESS STEEL LOWER PANELS, WITH LOCKS.



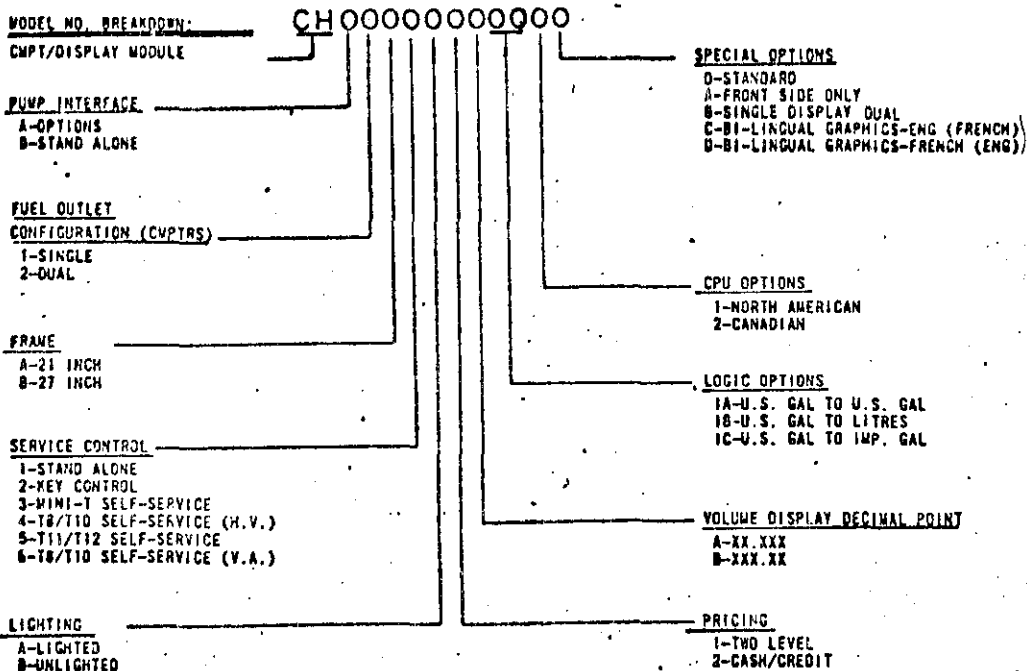
CANADA LTD

ENGINEERING DEPARTMENT

NUMBER 98	REVISION 83	PAGE 1 OF 2
EFFECTIVE DATE 8 NOVEMBER 1978		DATE OF REVISION 8 NOVEMBER 1978
APPROVED BY <i>E.W.G. Morgan</i> E.W.G.MORGAN.		

SUBJECT

COMPUTER DISPLAY MODULE (C.D.MODULE) CODE. USED IN CONJUNCTION WITH HIGHLINE 111B SERIES OF PUMPS AND DISPENSERS.




A/. THE ABOVE CODE, 13 DIGIT ALPHANUMERICAL, IS TO BE USED WHEN ORDERING C.D.MODULES NOT ASSEMBLED WITH HIGHLINE 111B UNITS.

B/. THE FOLLOWING G --- CODE IS TO BE USED IN NINTH, TENTH AND ELEVENTH PLACES OF FULL HIGHLINE 111B MODEL NUMBER ON DATA PLATE AT ASSEMBLY IN PLANT, OR WHEN ORDERING COMPLETE HIGHLINE 111B FROM GREENSBORO.

'G' CODE

- | | | |
|------------------------|------------------------|------------------------|
| G13.....CHB1A1A1A1C20. | G37.....CHB1A1A1B1C20. | G56.....CHA2A3A1A1C20. |
| G14.....CHB2A1A1A1C20. | G38.....CHB2A1A1B1C20. | G57.....CHA2B3A1A1C20. |
| G15.....CHA1A4A1A1C20. | G39.....CHA1A4A1B1C20. | G58.....CHA1A3A1B1C20. |
| G16.....CHA2A4A1A1C20. | G40.....CHA2A4A1B1C20. | G59.....CHA2A3A1B1C20. |
| G17.....CHA1A6A1A1C20. | G41.....CHA1A6A1B1C20. | G60.....CHA2B3A1B1C20. |
| G18.....CHA2A6A1A1C20. | G42.....CHA2A6A1B1C20. | G193....CHA2B3A1A1C2B. |
| G19.....CHA1A5A1A1C20. | G43.....CHA1A5A1B1C20. | G194....CHA2B3A1B1C2B. |
| G20.....CHA2A5A1A1C20. | G44.....CHA2A5A1B1C20. | G195....CHA1A4A1A1C2B. |
| G21.....CHB1B1A1A1C20. | G46.....CHA2B4A1B1C20. | G196....CHA1A4A1B1C2B. |
| G22.....CHA2B4A1A1C20. | G47.....CHA2B6A1B1C20. | G197....CHA2A4A1A1C2B. |
| G23.....CHA2B6A1A1C20. | G48.....CHA2B5A1B1C20. | G198....CHA2A4A1B1C2B. |
| G24.....CHA2B5A1A1C20. | G55.....CHA1A3A1A1C20. | G199....CHA2B4A1A1C2B. |

(CONTINUED)

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	APPROVED BY		

SUBJECT

CONTINUED FROM SHEET 1.

'G' CODE

- | | | |
|------------------------|------------------------|------------------------|
| G200....CHA2B4A1B1C2B. | G222....CHA2B5A2B1B2C. | G245....CHA1A3A2B1B2C. |
| G201....CHA1A5A1A1C2B. | G223....CHA2B5A1B1B2C. | G246....CHA1A3A1B1B2C. |
| G202....CHA1A5A1B1C2B. | G224....CHA2B5A2B1B2D. | G247....CHA1A3A2B1B2D. |
| G203....CHA2A5A1A1C2B. | G225....CHA2B5A1B1B2D. | G248....CHA1A3A1B1B2D. |
| G204....CHA2A5A1B1C2B. | G226....CHA1A6A2B1B2C. | G249....CHA2B3A2B1B2C. |
| G205....CHA2B5A1A1C2B. | G227....CHA1A6A1B1B2C. | G250....CHA2B3A1B1B2C. |
| G206....CHA2B5A1A1C2B. | G228....CHA1A6A2B1B2D. | G251....CHA2B3A2B1B2D. |
| G207....CHA1A6A1A1C2B. | G229....CHA1A6A1B1B2D. | G252....CHA2B3A1B1B2D. |
| G208....CHA1A6A1B1C2B. | G230....CHA2A6A2B1B2C. | G253....CHA1A4A2B1B2C. |
| G209....CHA2A6A1A1C2B. | G231....CHA2A6A1B1B2C. | G254....CHA1A4A1B1B2C. |
| G210....CHA2A6A1B1C2B. | G232....CHA2A6A2B1B2D. | G255....CHA1A4A2B1B2D. |
| G211....CHA2B6A1A1C2B. | G233....CHA2A6A2B1B2D. | G256....CHA1A4A1B1B2D. |
| G212....CHA2B6A1B1C2B. | G234....CHA2B6A2B1B2C. | G357....CHA2A4A2B1B2C. |
| G213....----- | G235....CHA2B6A1B1B2C. | G258....CHA2A4A1B1B2C. |
| G214....CHA1A5A2B1B2C. | G236....CHA2B6A2B1B2D. | G259....CHA2A4A2B1B2D. |
| G215....CHA1A5A1B1B2C. | G237....CHA2B6A1B1B2D. | G260....CHA2A4A1B1B2D. |
| G216....CHA1A5A2B1B2D. | G238....----- | G261....CHA2B4A2B1B2C. |
| G217....CHA1A5A1B1B2D. | G239....----- | G262....CHA2B4A1B1B2C. |
| G218....CHA2A5A2B1B2C. | G240....----- | G263....CHA2B4A2B1B2D. |
| G219....CHA2A5A1B1B2C. | G241....CHA1A3A2B1B2C. | G264....CHA2B4A1B1B2D. |
| G220....CHA2A5A2B1B2D. | G242....CHA1A3A1B1B2C. | G265.... |
| G221....CHA2A5A1B1B2D. | G243....CHA1A3A2B1B2D. | G266.... |
| | G244....CHA1A3A1B1B2D. | G267.... |
| | | G268.... |

NOTE: WHEN 'G' CODE EXTENDS BEYOND THREE DIGITS (WITH LETTER 'G'), THEN THE LETTER 'G' IS NOT TO BE INCLUDED WHEN NUMBER IS ENTERED IN HIGHLINE 111B CODE TO COMPLETE IT.

GILBARCO - HIGHLINE 111B DISPENSERS

