



Encore® 900

Recommended Spare Parts Manual

Computer Programs and Documentation

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This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Approvals

Gilbarco is an ISO 9001:2008 registered company.

Underwriters Laboratories (UL):

U L File#	Products listed with U L
MH1941	All Gilbarco pumps and dispensers that bear the UL listing mark.
MH8467	Transac System 1000 and PAM 1000
E105106	Dell DHM Minitower
E165027	G-SITE and Passport Systems

California Air Resources Board (CARB):

Executive Order #	Product
G-70-52-AM	Balance Vapor Recovery
G-70-150-AE	VaporVac

National Conference of Weights and Measures (NCWM) - Certificate of Conformance (CoC):

Gilbarco pumps and dispensers are evaluated by NCWM under the National Type Evaluation Program (NTEP). NCWM has issued the following CoC:

CoC#	Product	Model #	CoC#	Product	Model #
02-019	Encore	Nxx	02-036	Legacy	Jxxx
02-020	Eclipse	Exx	02-037	G-SITE Printer (Epson)	PA0307
02-025	Meter - C Series	PA024NC10		G-SITE Distribution Box	PA0306
	Meter - C Series	PA024TC10		G-SITE Keyboard	PA0304
02-029	CRIND	—		G-SITE Mini Tower	PA0301
	TS-1000 Console	—		G-SITE Monitor	PA0303
	TS-1000 Controller	PA0241		G-SITE Printer (Citizen)	PA0308
02-030	Distribution Box	PA0242	02-038	C+ Meter and V-Meter	T19976
	Meter - EC Series	PA024EC10	02-039	Passport	PA0324
	VaporVac Kits	CV	02-040	Ecometer	T20453
			05-001	Titan	KXXY Series

Trademarks

Non-registered trademarks

Applause™ Media System	G-SITE® Lite™	SMART CRIND™
CIM™	Highline™	SMART Meter™
C-PAM™	Horizon™	SmartPad™
Ecometer™	Insite360™	Super-Hi™
ECR™	MultiLine™	Surge Management System™
EMC™	Optimum™ Series	Tank Monitor™
FlexPay™	PAM™	TCR™
G-CAT™	PAM™ 1000	Titan™
Gilbert™	PAM™ 5000	Ultra-Hi™
G-SITE® Link™	SMART Connect™	ValueLine™

Registered trademarks

CRIND®	Making Things Better®	VaporVac®
Dimension® Series	MPD®	
e-CRIND®	Passport®	
Eclipse®	Performer®	
Encore®	The Advantage® Series	
G-SITE®	Transac®	
Gilbarco®	Transac® System 1000	
InfoScreen®	Trimline®	
Legacy®	TRIND®	

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1 – Introduction

This manual contains information to help you stock spare parts for Encore® 900. Review this information, and stock recommended parts and quantities for equipment in your service area.

How to Use This Manual

This manual provides spare parts information in a tabular form. The tables indicate the parts that are recommended for Authorized Service Contractors (ASCs) and distributor stocks.

Parts Tables

The tables in this manual are set up as follows. Definitions for each column are provided after the table.

Part Description	Part Number	Where Used	Critical	ASC	Distributor	
				100	100	500
Fuse 250 V 5 A	Q10131-04	All	Medium	10	50	100

Part Description

The part description column provides a detailed name for each recommended part. Other information, such as colors, dimensions, or other details are provided, wherever applicable.

Part Number

The part number column indicates the current Gilbarco® part number for each item.

Where Used

The where used column helps further in identifying the specific units or areas where a part is used.

The pump/dispenser for the where used column is provided at the top of each page. A where used key is provided below each parts list.

Critical

The critical column indicates how important a part is to the operation of a unit. Definitions are as follows:

Importance	Description
High	Loss of this part will shut down a system.
Medium	Loss of this part will cause the loss of console and some pump or dispenser control or service.
Low	Routine service part.

ASC and Distributor

The ASC and distributor columns indicate how many of each part must be stocked for both ASCs and distributors. The 100 and 500 columns indicate recommended quantities for ASCs and distributors with either 100 or 500 of a particular unit in their service area.

Quantities shown in this manual are for reference only. The actual quantities that must be stocked by an ASC or distributor are dictated by the business conditions for the area (such as the age of equipment, number of technicians, and distance between the ASCs and distributor).

Remanufactured Board Express

We encourage you to use genuine Gilbarco boards repaired through Gilbarco's remanufactured board express service for replacements during warranty. This is approved within Gilbarco's warranty policy.

Related Documents

Document Number	Title	GOLD SM Library
PT-1798	Consumable Parts List	Parts Manual
PT-1936	Encore Series Pumps and Dispensers Illustrated Parts Manual	<ul style="list-style-type: none"> • Encore and Eclipse® • Encore and Eclipse Installers • Parts Manual
PT-1969	Encore 900 Pump and Dispenser Illustrated Parts Manual	<ul style="list-style-type: none"> • Encore and Eclipse • Encore and Eclipse Installers • Parts Manual

Abbreviations and Acronyms

Term	Description
AFP	Auxiliary Feature PCB
ASC	Authorized Service Contractor
CRIND®	Card Reader in Dispenser
DCM	Dispenser Communication Module
DEF	Diesel Exhaust Fluid
DSL	Digital Subscriber Line
FCB	FlexPay™ Control Board
I.S.	Intrinsic Safety
NPT	National Pipe Thread
PCA	Printed Circuit Assembly
PCB	Printed Circuit Board
PIP	Peripheral Interface PCB
PPU	Price per Unit
UPM	Universal Payment Module
USB	Universal Serial Bus

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2 – Encore Diesel Exhaust Fluid (DEF) Parts*

Part Description	Part Number	Where Used	Critical	ASC	Distributor
				100	100
Interface Printed Circuit Board (PCB) Assembly	M10030A001	DEF	Medium	1	2
E2 Temperature Control Printed Circuit Assembly (PCA)	M06783A001	DEF	Medium	1	2
Heater/Fan Assembly, 100-120 V	Q13254-05	DEF, Color	Medium	1	2
Relay, 24-280 VAC, 25 A	Q11008-02	DEF, Color	Medium	1	2
Sensor DEF Cable - Pump Frozen Thermostat	M10131A008	DEF	Medium	1	2
Sensor DEF Cable - Pump Heater Thermostat	M10131A006	DEF	Medium	1	2
Coriolis Meter	M10006A003	DEF	Medium	Stocked by Gilbarco (Air Ship)	
Meter Electronics Module	M10006B501	DEF	Medium	-	1
Flange Seal	M10164B001	DEF	Medium	2	4
Urea Nozzle with Misfiling Option (see note 1)	M10257B001	DEF	Medium	3	6
Urea Nozzle without Misfiling Option	M10257B002	DEF	Medium	3	6
Breakaway/Swivel	M10258B001	DEF	Medium	2	4
Inlet Hose	M10226B101	DEF	Medium	1	2
3/4-inch -14 National Pipe Thread (NPT) Check Valve	M10170B002	DEF	Medium	1	2
Balance Weight Nozzle Box	M10224B001	DEF	Medium	1	2
Y-Strainer	M10820A001	DEF	Medium	2	4
Two-stage Valve Assembly	M02321A005	DEF	Medium	2	3
Diaphragm Repair Two-stage Valve Kit (DEF)	M02321K005	DEF	Medium	2	4
DEF Electronics Spill Repair Kit	M11077K001	DEF	Medium	-	1
Magnetic Nozzle Adapter (DEF) (see note 2)	M10656B001	DEF	Medium	2	4

***Notes:**

1. Encore DEF Nozzle (M10257B001) - available from OPW®.

2. Magnetic Ring Tool (M10656B001) - one required per technician servicing DEF units.

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3 – FlexPay IV

Part Description	Part Number	Where Used	Critical	ASC		
				(20 Sites)	Distributor	
				100	100	500
Assembly, Universal Payment Module (UPM) - RKL done in field	M13888A901	All disp W/ FlexPay IV	High	3	5	10
PCA, Peripheral Interface PCB (PIP) 3 10.4-inch	M13987A002	All disp. W/ FlexPay IV	High	2	5	5
Card Reader, VeriFone® UX300 - (No additional gasket)	M14330A001	All disp. W/ FlexPay IV	High	5	10	10
PCA, Auxiliary Feature PCB (AFP)	M13124A001	All disp. W/ FlexPay IV	High	2	4	10
Display, Color 10.4-inch Kyocera® (Includes L Brackets used on E700)	M14004A002	All disp. W/ 10.4-inch display	High	3	5	5
UX400 (Contactless - no additional gasket)	M14331A001	All disp. W/ FlexPay IV	Med	2	3	7
2D Imager (GVR_Scanner)	M16110B001	All disp. W/ FlexPay IV	High	2	3	7
PCA, PIP 3+ 15.6-inch	M15763A001	All disp. W/ 15.6-inch touch display	High	1	2	3
PCBA, EETI Touch Controller Board 15.6-inch	M15967A001	All disp. W/ 15.6-inch touch display	High	1	2	3
Display, color 15.6-inch Tianma (includes L brackets, PN: M15843A001 x 2)	M15889A001	All disp. W/ 15.6-inch touch display	High	1	2	2
Omnia PCB	M16181A002	All E900 dispensers	High	2	3	4
PCA, Dispenser Communication Module (DCM)3	M15724A001	All E900 dispensers	High	2	2	4
Omnia PIP, 10.4-inch	M15649A002	All disp. W/ 10.4-inch display	High	2	3	4

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4 – Options

Part Description	Part Number	Where Used	Critical	ASC			Distributor		
				100	100	500	100	500	500
FlexPay Control Board (FCB) in Plastic Housing with Tamper-proof Housing	M11930K001 (Kit)	All	High	1	1	2			
Right Soft Key (10.4-inch)	M14972B001	E900 left	High	3	4	6			
Left Soft Key (10.4-inch)	M14972B002	E900 right	High	3	4	6			
Same Standard Universal Serial Bus (USB) Printer [(see note 1), (obsolete, see note 2)]	M04219A001	All	Medium	2	4	4			
PCA, E900 Price per Unit (PPU) Display	M14661A001	E900	Medium	2	3	6			
PCA, E900 PPU Display	M14661A002	E900	Medium	2	3	6			
PCA, E900 MV Display	M14658A001	E900	Medium	2	3	6			
PCA, Power supply	M07121A004	E900	Low	1	2	3			
PCA, 24 V Power supply	M10996A001	E900	Low	1	2	3			
PCA, Valve Converter	M14613A001	E900	Low	2	2	2			
Totalizer, Electro-mech	M00455A004	E900	Low	2	2	2			
PCA, Intercom with Call Interface	M14595A001	E900	Medium	3	4	6			
Cable, Wire and Speaker PUI	M15500A001	E900	Medium	3	4	6			
PCA, Intrinsic Safety (I.S.) Barrier	T19301-G1	E900	Medium	2	3	6			
PCA, Coriolis Interface	M10030A001	E900	Medium	3	4	6			
PCA, Ultra-Hi™ Interface	M08223A001	E900	Medium	2	3	6			
PCA, Pump Handle Interface	M05650A001	E900	Medium	2	3	6			
Printer, Hengstler® Components	M13832A001	E900	Medium	3	4	6			
Spring, Lift to Start, Encore	M00349B006	E900	Low	2	3	6			
Switch, Proximity and Actuator (Magnetic Reed Switch)	Q12514-11	E900	Medium	2	3	6			
Assembly, Heater/Fan	M14702A001	E900	Medium	2	3	6			
Assembly, Heater/Fan	M14702A002	E900	Medium	2	3	6			
Keypad, 3-Key option	M07754B001	E900	High	1	2	4			
Keypad Call/Start/Stop, 7-Key option	M08430B002	E900	High	1	2	4			
Keypad, ADA numeric	M08418B001	E900	High	1	2	4			
Keypad, ADA alphanumeric	M16009B001	E900	High	1	2	4			

Notes:

1. These parts are used on other existing platforms. They also form a part of Encore 900.
2. M04219A001 is obsolete and replaced by M13832A001.

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5 – Applause™ Media System Option

Part Description	Part Number	Where Used	Critical	ASC			Distributor		
				100	100	500	100	500	500
Audio 8 VAC Transformer Board (part of M07753A00X Assembly)	M07543A001	All	High	0	1	2			
Audio Board [part of M07753A00X Assembly (see note 1)]	M03565A001	All	High	2	4	6			
SMART Connect™/Applause Digital Subscriber Line (DSL) Hub Interface Board with Isolation [part of M07753A003/M07753A005 Assembly (see note 2)]	M06365A002	All	High	2	4	6			
SMART Connect/Applause Interface Board with Isolation without DSL (part of M07753A004 Assembly)	M06365A003	All	High	1	2	4			
DCM Electronics Assembly	M11071A001	With option	Medium	2	2	4			

Where Used Key:

All = All Encore and Eclipse units

Notes:

1. This is the same audio board used on car wash kiosk and is already a spare part.
2. M06365A002 can be used in place of M06365A003.

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