



Commercial and Retail Series

Atlas™ Pump and Dispenser Illustrated Parts Manual

Computer Programs and Documentation

All Gasboy computer programs (including software on diskettes and within memory chips) and documentation are copyrighted by, and shall remain the property of, Gasboy. Such computer programs and documents may also contain trade secret information. The duplication, disclosure, modification, or unauthorized use of computer programs or documentation is strictly prohibited, unless otherwise licensed by Gasboy.

Federal Communications Commission (FCC) Warning

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

Gasboy, Greensboro, is an ISO 9001:2000 registered facility.

Underwriters Laboratories (UL):

UL File#	Products listed with UL
MH4314	All dispensers and self-contained pumping units
MH6418	Power operated Transfer Pump Models 25, 25C, 26, 27, 28, 72, 72S, 72SP, 72X, 73 and 1820
MH7404	Hand operated Transfer Pump Models 1230 Series, 1243 Series, 1520 and 1720 Series
MH10581	Key control unit, Model GKE-B Series
	Card reader terminals, Models 1000, 1000P
	Site controller, Model 2000S CFN Series
	Data entry terminals, Model TPK-900 Series
	Fuel Point Reader System

New York City Fire Department (NYFD):

NYFD C of A #	Product
4823	9100A, 9140A, 9152A, 9153A, 9800A, 9840A, 9850A, 9852A, 9853A, 9140
4997	9822A, 9823A
5046	9100Q, 9140Q, 9152Q, 9153Q, 9800Q, 9840Q, 9852Q, 9853Q
5087	8753K, 8853K, 9153K, 9853K (restricted to diesel and non-retail gasoline sales)
5091	8752K, 9152K
5129	9122K, 9123K, 9822K, 9823K

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 Compliance (CoC):

Gasboy 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 #	CoC#	Product	Model #
95-179	Dispenser	9100 Retail Series, 8700 Series, 9700 Series	91-019	Dispenser	9100 Commercial Series	05-002	Atlas	8700K, 8800K, 9100K, 9200K, 9800K
95-136	Dispenser	9800 Series	91-057	Controller	1000 Series FMS, 2000S-CFN Series			

Patents

Gasboy products are manufactured or sold under one or more of the following US patents:

Dispensers

5,257,720

Point of Sale/Back Office Equipment

D335,673

Additional US and foreign patents pending.

Trademarks

Non-registered trademarks

Atlas™
Console™
Infinity™

Registered trademarks

ASTRA®
Fuel Point®
Gasboy®
Keytrol®
Slimline®

Additional US and foreign trademarks pending.

Other brand or product names shown may be trademarks or registered trademarks of their respective holders.



Table of Contents

Introduction	1
How to Use Your Manual	1
Parts Tables	1
Related Documents	2
When Ordering Parts	2
Sheathing, Doors, Bezels	5
Side Panel	6
Side Panel Cosmetic Plugs	7
Top Panels	7
Screws - All Top Panels	7
Top Panels - Stainless Steel	7
Top Panels - Painted	8
Lower Doors	8
Additional Door Parts	8
Bezels	9
Bezel Parts	9
Nozzle Boots, Hose Hook, and Internal Hose Retrievers	11
Side-load Mechanical	11
Side-load Electronic	12
Side-load Activation Assembly	13
Front-load Nozzle Boot	14
Auto-on Nozzle Boot, Reset, and Boot Cover	15
Hose Hanger and Hose Retriever	16
Lights	19
Light and Ballast	19
Frame Section	21
Weldment Top Housing Assembly	21
Dispenser Frame	22
Upper Frame (Self-contained)	23
Lower Dispenser Welded Frame	24
Lower Frame (Self-contained)	25
Lower Welded Frame (Self-contained)	26
Lower Dispenser Frame (Upper Hydraulic Frame)	27
Hydraulic Area Section	29
Upper Hydraulics - Meter, Manifold, and Valve	29
CFT Meter, Manifold, and Valve Assembly	29
Fuel Filter Options	31
Meter Gears - Mechanical Models	32
Solenoid Valve Conduit	33
Lower Hydraulics - Self-contained	34

Table of Contents

Lower Hydraulics - Dispenser	36
Inlet Manifold - TW1-M and Super-Hi Models	37
9153 and 9853 Satellite Discharge Piping - Dispenser Only	38
9140K, 9840K Super-Hi Discharge Piping	39
Junction Box - Parts, Unit Descriptions, and Options	41
Junction Box Parts	41
Junction Box - Unit Descriptions	43
Hand Drive Option - Mechanical Self-contained Pump Models Only	44

Meter, Pump, and Motor Section	45
--------------------------------	----

CFT Meter Assembly	45
GPU Self-contained Pumping Unit	46
Self-contained Motors - 8700, 8800, 9100, 9840, 9852/53	47

Air Gap - 8800, 9100, 9840, 9852/53	49
-------------------------------------	----

Air Gap Hardware and CD Module Housing	49
Lower Pulser Seal Assembly - 8800, 9840, 9852, 9853	51
Retail Front-load Activation Assembly	52

Software Kits	53
---------------	----

Commercial Electronics Section	55
--------------------------------	----

Commercial Front (Dual Depicted)	55
Base Electronics	56
Power Supply	56
Pulser Assembly	56
Motor Relays	57
Main AC Conduit and Wire Assembly	57
DC Conduit and Wire Assembly	58
Electro-mechanical Totalizers	58

Commercial Printed Circuit Boards	59
-----------------------------------	----

Commercial PCBs (Non-Ultra-Hi)	59
PCA (CPU and Serial EEPROM)	59
Commercial Power Supply	60
Pulse-out I/F/RS-485 I/F	61
Displays and Display Panels	62
Display Panel Stop Bracket	63

Commercial Cables	65
-------------------	----

Retail Electronics Section	71
----------------------------	----

Retail Electronics Assembly - CD Module	71
Power Supply	72
Card Cage Assembly	73
Pulser Assembly	74
Motor Relays	75
Main AC Conduit and Wire Assembly	75
DC Conduit and Wire Assembly	75
Keypad Assembly	76
Electro-mechanical Totalizers	76

Retail Printed Circuit Boards **77**

Electronic Retail PCBs	77
Displays and Display Panels	81
Display Panel Stop Bracket	83
ATC T-Meter Module	84

Retail Cables **85**

Standard Cables	85
Pulse-out/RS-485 Option	91
ATC Option	93
Programmable Pump Preset (PPP) Option	96

Mechanical Computer and Reset Section **97**

Registers, Resets, Linkage, and Conduit - No Electric Keytrol	97
9140K Super-Hi Mechanical - Meter, Differential Gearbox, and Computer	99
Mechanical Computer, Reset, and Pulser with Electrical Keytrol	101
9140 Super-Hi Unit	101
Single and Dual (Dual Unit Shown)	103
Split-twin Unit	105

Mechanical Pulser Option **109**

Single Unit Volume	109
Single Unit Money	111
Dual Unit Volume	112
Dual Unit Money	114
Super-Hi Volume	115

Ultra-Hi Frame Section **117**

Dispenser Frame	118
Ultra-Hi Dispenser Lower Hydraulic Upper Frame	119
Ultra-Hi 9853 KXTW1 Lower Hydraulic Upper Frame	120
Self-contained Pump Frame	121
Ultra-Hi Self-contained Lower Hydraulic Frame	122
Lower Welded Frame - Ultra-Hi (Self-contained)	123
Air Gap	124

Ultra-Hi Meter and Pulser Section **125**

LC Meter	125
Meter and Pulser Assembly	126
Mechanical Totalizer	127

Ultra-Hi Hydraulics Section **129**

9850K Self-contained Pump	129
9850KX Single Inlet, Single Discharge Dispenser	133
9850KXTW1 Single Inlet, 9850KXTW2 Dual Inlet, Dual Discharge Dispenser	135
Satellite Piping for 9850KXTW3 Combo Pump and 9850KXTW3 Combo Dispenser	137

Table of Contents

Ultra-Hi Junction Box and Conduit Section 141

AC Junction Box and Conduit.	141
DC Junction Box and Conduit	145

Ultra-Hi Electronics Section 147

Commercial Rear View.	147
Power Supply	147
CPU	147
Base Electronics Mounting Platform.	148
Motor Relay Ultra-Hi.	149

Ultra-Hi Commercial Printed Circuit Boards 151

Commercial Ultra-Hi PCBs.	151
PCA (CPU and Serial EEPROM)	151
Pulse-out I/F/RS-485 I/F	152
Ultra-Hi Power Supply.	153
Combo Satellite Control Board.	154
Displays and Display Panels	155
Ultra-Hi Display Panel and PCBs - Single and Combo Dual.	155
Ultra-Hi Display Panel and PCBs - Dual Side Load	156
Display Panel Stop Bracket	157

Ultra-Hi Commercial Cables 159

Atlas Kits 165

Parts List Part List-1

Introduction

This manual contains parts information for Gasboy® Atlas™ Series pumps and dispensers. Use this manual to help identify part names, part numbers, and quantities required in a specific assembly.

How to Use Your Manual

This manual provides detailed illustrations for Atlas Series pumps and dispensers. Match the call-out numbers from an illustration to the corresponding table to find information on a part name, number, and quantity required for that assembly.

Parts Tables

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

Item #	Description	Current Part	Previous Part	Quantity
1	PCA, Terminal Block Board	M00044A001	-	1
	• Plastic PCB Standoff, 1/4 inch	Q10651-02	-	2

Item

The Item # column provides digits that match call-outs on the related illustrations.

Description

The Description column provides a detailed name for each part from the illustration. Where applicable, information such as colors, dimensions, or other details are provided.

Current Part

The Current Part column provides current Gasboy part numbers for each item.

Previous Part

The Previous Part column provides old Gasboy part numbers that are no longer in use on current models. The previous part numbers are provided to help identify obsolete items that may still be in the field. Where possible, notes are provided to clarify the difference between old and new parts.

Note: When substituting an old part for a new part, always check to ensure that parts are compatible.

Quantity

Quantity is per assembly shown. Quantity per unit will vary depending on unit configuration. Use specification in parts table to obtain fasteners locally. Most kits contain hardware required for installation.

Bulleted Items (Located under Description)

These items are directly related to the previous part number listed. Parts are generally used for mounting or fastening hardware.

Related Documents

The following documents provide additional information:

Document Number	Title	GOLD Library
PT-1950	Gasboy Atlas Recommended Spare Parts	Parts Manual

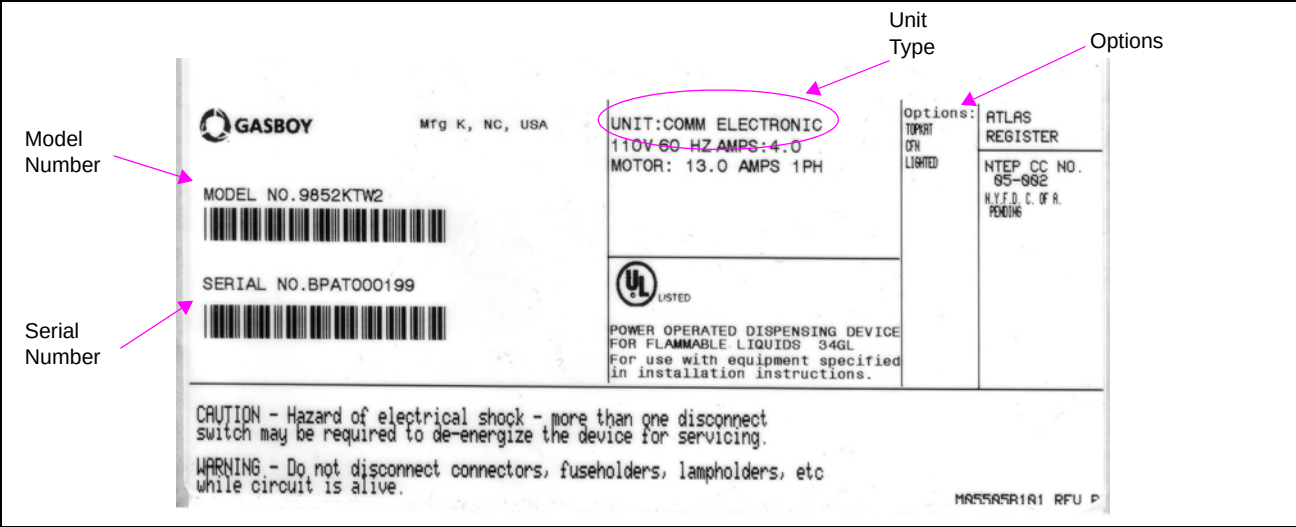
When Ordering Parts

Keep the following items in mind when ordering Gilbarco® parts:

- 1
- Furnish the model number, date code, and original options. This information is stamped on a serial plate located on the rail in the lower frame section. See [Figure 1](#).
- 2
- Provide the following information:
 - Part number
 - Quantity of the part needed
 - Description of part
 - Color, graphics, and other details needed for order entry items.

*Note: **Order entry item:** An item that can be ordered individually using its individual part number (not a part that is available only as part of a kit).*

Figure 1: Serial Plate



Model Number

The model number provides information on the configuration and options of the unit.

The serial plate is located in the upper cabinet:

- Mechanical models - On the side of the frame in front of the electric reset.
- Electronic models - On the upper cabinet base plate in front of the display panel.

Date Code

The date code provides the month and year of manufacture. For example, a unit stamped BK was built in February 2001. Use the chart below as reference to help determine date codes.

Month Codes		
A = January	E = May	J = September
B = February	F = June	K = October
C = March	G = July	L = November
D = April	H = August	M = December
Year Codes		
H = 1999		
J = 2000	N = 2004	T = 2008
K = 2001	P = 2005	U = 2009
L = 2002	R = 2006	W = 2010
M = 2003	S = 2007	X = 2011

Paint Codes

Certain parts, such as side panels, require paint code information. Use the following paint code information when ordering painted parts.

Paint Color	Current Paint Code	Previous Paint Code
Gromark White	N1	040403
White	A0	040433
Agway White	N5	040404
Cenex Beige	N2	040405
Yellow	N8	040398
Orange	R1	040412
Red/Orange	R2	040414
Standard Red	G8	040402
Red	N3	040415
Texas Red	N7	040409
Esso Blue	F8	040451
Light Blue	R3	040463
Dark Blue	F3	039988
Standard Green	N4	040406
Metallic Grey	C7	040407
Grey	N6	040394
Soyoil Grey	N9	040410
Brown	R8	040447
Black	B0	040401

Serial Number

The serial number identifies the unit, by customer.

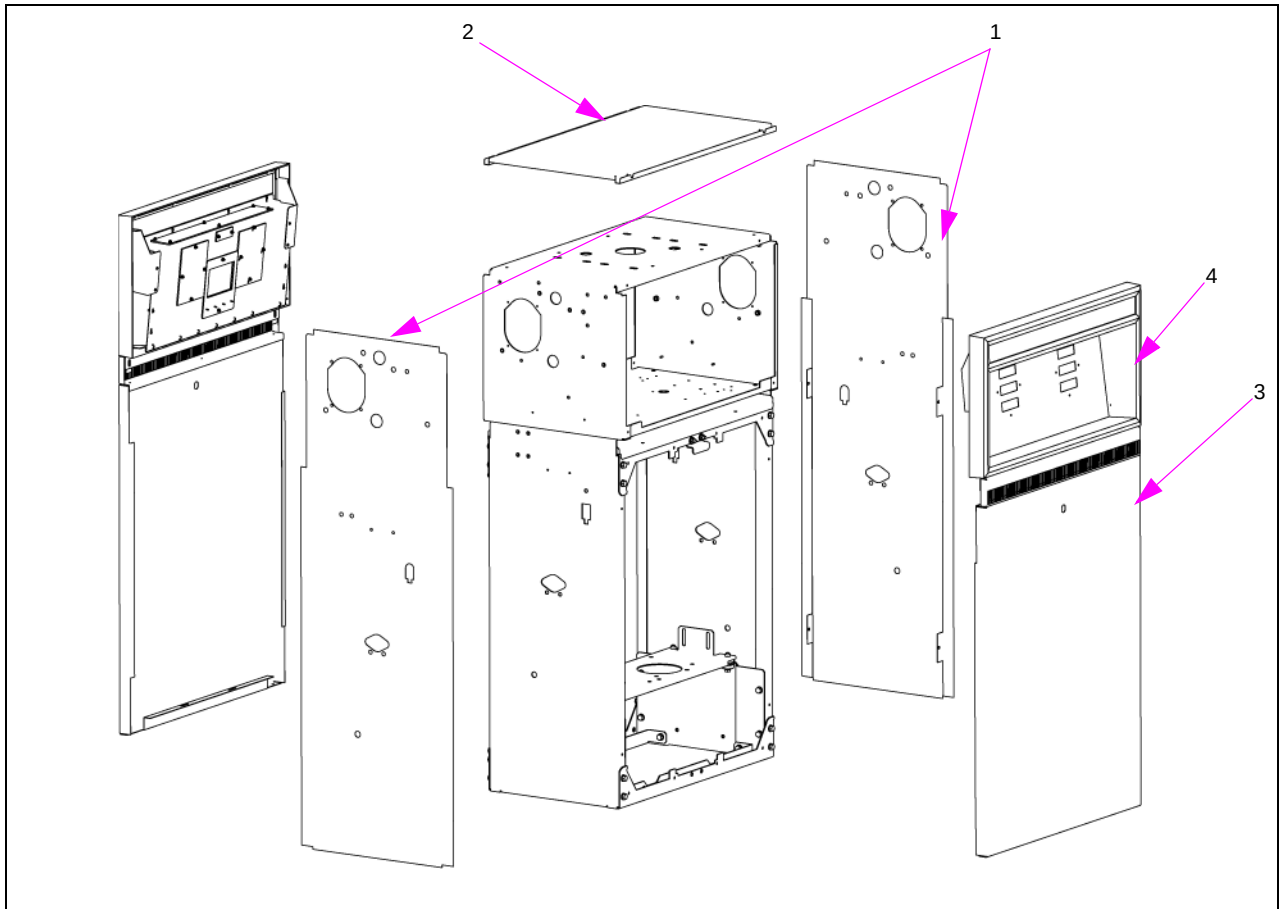
Options

This is a list of customer driven options per unit.

Unit Type

The unit type specifies the type of unit, that is, Gasboy Atlas Commercial or Mechanical.

Sheathing, Doors, Bezels



Item #	Description	Part Number
1	Side Panels	Refer to “Single-sided Units” on page 6 and/or “Dual-sided Units” on page 6 .
2	Top Panel	Refer to “Side Panel Cosmetic Plugs” on page 7 .
3	Door	Refer to “Lower Doors” on page 8 .
4	Bezel	Refer to “Bezels” on page 9 .

Side Panel

Single-sided Units

All single-sided units feature one blank panel and unit-specific panel as noted in the table below.

Dual-sided Units

All dual sided units feature two unit-specific panels as noted in the table below.

Note: To order painted panels, you must include both the panel numbers and the paint code. Refer to “Paint Codes” on page 4.

All panels are attached to the frame with four 12-24 X 1/2 inch long thread-forming pan head screws.

Stainless Steel	Painted	Panel Description
MODELS 9140, 9840, AND 9850 SUPER-HI™ AND ULTRA-HI™ FLOW		
M06485B001	M06485B101	Standard Blank Panel
M06485B002	M06485B102	Pump, Electronic Side-load
M06485B003	M06485B103	Pump, Front-load
M06485B004	M06485B104	Pump Auto-on w/Keypad, Side-load
M06485B005	M06485B105	Pump, Auto-on, Side-load
M06485B006	M06485B106	Pump, Mechanical
M06485B007	M06485B107	Dispenser, Electronic Side-load
M06485B008	M06485B108	Dispenser, Front-load
M06485B009	M06485B109	Dispenser, Auto-on w/Keypad, Side-load
M06485B010	M06485B110	Dispenser, Auto-on, Side-load
M06485B011	M06485B111	Dispenser, Mechanical
MODELS 8753KX, 8853KX, 9153KX, AND 9853KX HIGH FLOW WITH SATELLITE CONNECTIONS		
M06485B001	M06485B101	Standard Blank Panel
M06487B006	M06487B106	Dispenser, Electronic Side-load w/Satellite Piping
M06487B007	M06487B107	Dispenser, Front-load w/Satellite Piping
M06487B008	M06487B108	Dispenser, Auto-on w/Keypad, Side-load, w/Satellite Piping
M06487B009	M06487B109	Dispenser, Auto-on, Side-load, w/Satellite Piping
M06487B010	M06487B110	Dispenser, Mechanical
MODELS 9140, 9840, AND 9850 SUPER-HI AND ULTRA-HI FLOW		
M06486B001	M06486B101	Super-Hi Blank Panel
M06486B002	M06486B102	Super-Hi Flow, Electronic Side-load, Pump or Dispenser
M06486B003	M06486B103	Super-Hi Flow, Front-load, Pump or Dispenser
M06486B004	M06486B104	Super-Hi Flow, Auto-on w/Keypad, Side-load, Pump or Dispenser
M06486B005	M06486B105	Super-Hi Flow, Auto-on Side Load, Pump or Dispenser
M06486B006	M06486B106	Super-Hi Flow, Mechanical Pump or Dispenser
M06486B008	M06486B108	Ultra-Hi Flow, Side-load, Pump or Dispenser
M06486B009	M06486B109	Ultra-Hi Flow, Front-load, Pump or Dispenser

Side Panel Cosmetic Plugs

Note: Side panels have holes for all options offered on the specific model noted in the side panel table above. These kits contain plugs to cover un-used holes. Quantities are one per panel.

Kit Number	Description
M06506K001	Panel Plug Kit, Standard -flow and High-flow Models
	Panel Plug Kit, Super-Hi Flow Models
	Panel Plug Kit, Ultra-Hi Flow Models

Top Panels

Each top panel uses four screws, as shown in the first table below. Use the following tables to select the appropriate top panel for your unit.

Screws - All Top Panels

Part Description	Current Part	Previous Part	Quantity
Screw, Thread Forming Pan M6	-	-	4 per panel

Top Panels - Stainless Steel

Unit Description	Part Description	Current Part	Previous Part	Quantity
Standard Electronic and Mechanical Units (Stainless Steel)	Top Sheath - Standard (Stainless Steel)	M04887B001	-	1 per unit
Electronic Units with TopKat™ Option (Stainless Steel)	Top Sheath - TopKat (Stainless Steel)	M04887B002	-	1 per unit
Mechanical One-sided Units with Electrical Keytrol Option (Stainless Steel)	Top Sheath - Electrical Keytrol, Single (Stainless Steel)	M04887B003	-	1 per unit
Mechanical Dual-sided Units with Electrical Keytrol Option (Stainless Steel)	Top Sheath - Electrical Keytrol, Dual (Stainless Steel)	M04887B004	-	1 per unit

Top Panels - Painted

Note: To order a painted panel, you must include the part number and the paint code. Refer to “Paint Codes” on page 4.

Unit Description	Part Description	Current Part	Previous Part	Quantity
Standard Electronic and Mechanical Units (Painted)	Top Sheath - Standard (Painted)	M04887B011	-	1 per unit
Electronic units with TopKat option (Painted)	Top Sheath - TopKat (Painted)	M04887B012	-	1 per unit
Mechanical One- sided Units with Electrical Keytrol Option (Painted)	Top Sheath - Electrical Keytrol, Single (Painted)	M04887B013	-	1 per unit
Mechanical Dual-sided Units with Electrical Keytrol Option (Painted)	Top Sheath - Electrical Keytrol, Dual (Painted)	M04887B014	-	1 per unit

Lower Doors

Select appropriate door or door part for your unit from the table below.

Note: All units have two doors.

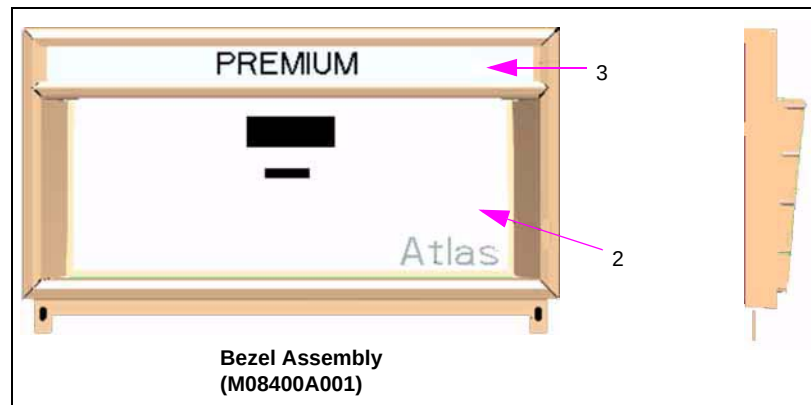
Unit Description	Door Description	Part Number	Quantity per Unit
Mechanical Model	Lower, Stainless Steel	M06715B001	2
	Lower Panel, Painted	M06715B101	2
Electronic Model, Side-load	Lower Panel, Stainless Steel	M06715B002	2
	Lower Panel, Painted	M06715B102	2
Electronic Model, Front-load Single-sided	Lower Panel w/Boot cutout, Stainless Steel	M06715B003	1
	Lower Panel, No Cutout, Stainless Steel	M06715B002	1
	Lower Panel w/Boot cutout, Painted	M06715B103	1
	Lower Panel, No Cutout, Painted	M06715B102	1
Electronic Model, Front-load Dual-sided	Lower Pane, Stainless Steel	M06715B003	2
	Lower Panel, Painted	M06715B103	2

Note: All Electronic models using the above doors must also have two Rain Guard Air Gap Baffle Plates M06690B001. Refer to “Air Gap Hardware and CD Module Housing” on page 49.

Additional Door Parts

Part Description	Part Number	Quantity per Door
Nozzle Boot Cover, Stainless Steel (Front-load only)	M04832B001	1
Nozzle Boot Cover, Painted (Front-load only)	M04832B101	1
Panel Lock and Key Kit	K34673	1

Bezels



Bezel Parts

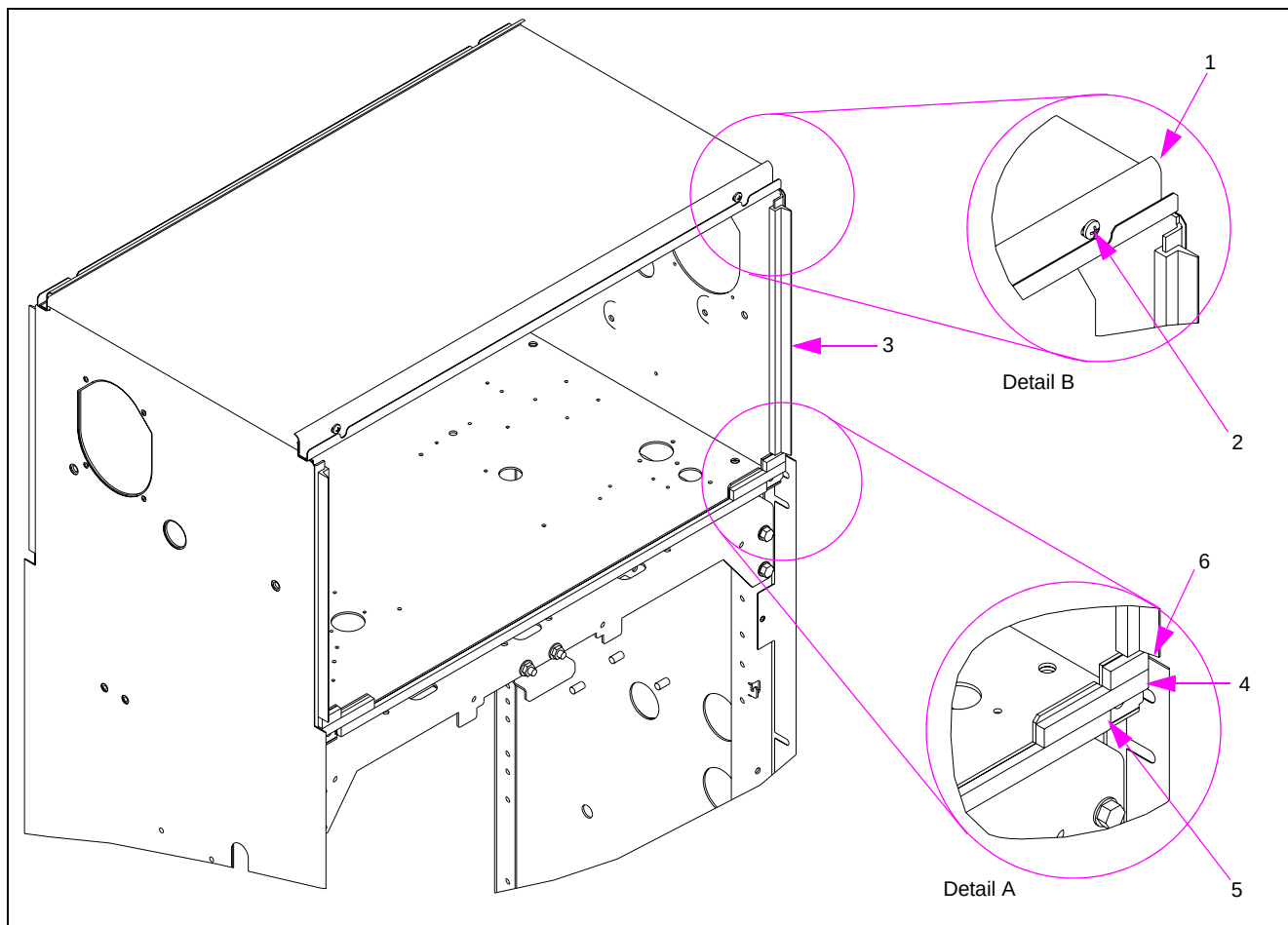
Refer to the following table for bezel parts.

Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
1	Bezel Assembly	All	M08400A001	-	1 per bezel
2	Dial Face Graphic	All	See Note 1	-	1 per bezel
3	Brand Panel Graphic	All	See Note 2	-	1 per bezel

Notes: 1) To specify Dial Face graphic, the unit model number and unit of measure must be provided.

2) To specify the Brand Panel graphic, the description of the brand and the color of print must be provided.

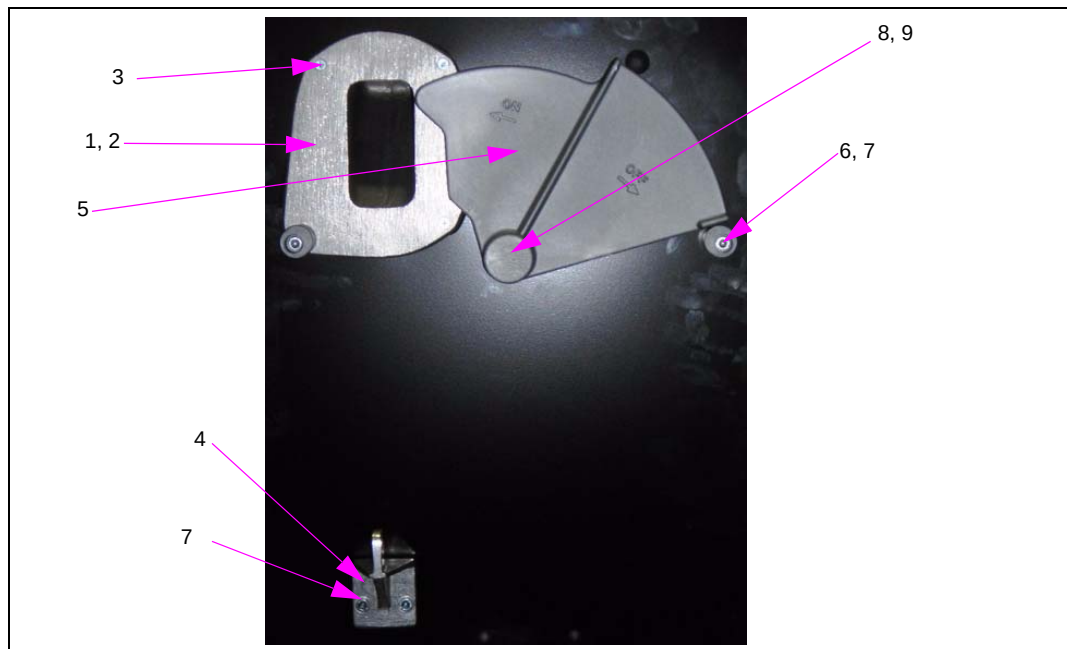
3) A wiper gasket, M08340B001 (see the figure on [page 10](#)), is used to seal the top inner edge of the bezel, to prevent water leaks. Detail B, in the figure shows this gasket. It is attached by the two screws that attach the metal top cover.



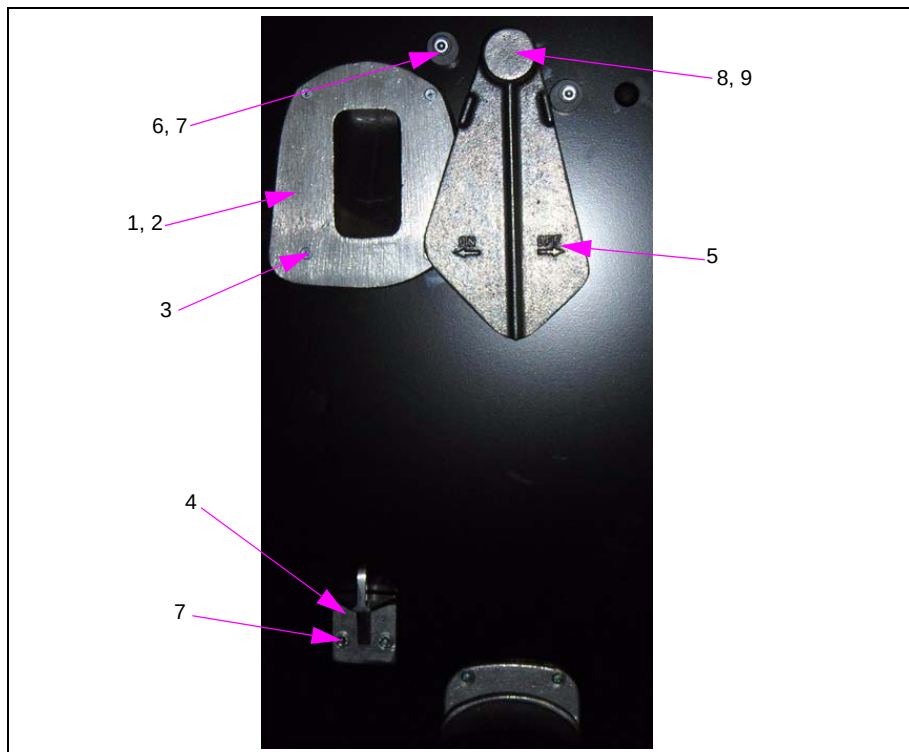
Item #	Part Description	Current Part	Previous Part	Quantity
1	Seal, Bezel Top	M08340B001	-	2
2	Screw, THD FRM PH, 12-24 (Silver Painted Head)	M04287B001	-	4
3	Gasket, Upper Housing Side	M05095B001	-	4
4	Gasket 1/4 X 1/2 X 3.15	Q11899-08	-	4
5	Gasket 1/4 X 1/2 X 25.7	Q11899-08	-	2
6	Gasket 1/4 X 1/2 X 1	Q11899-08	-	4
7	3M Metal Sealant	END-1456	-	As Required

Nozzle Boots, Hose Hook, and Internal Hose Retrievers

Side-load Mechanical



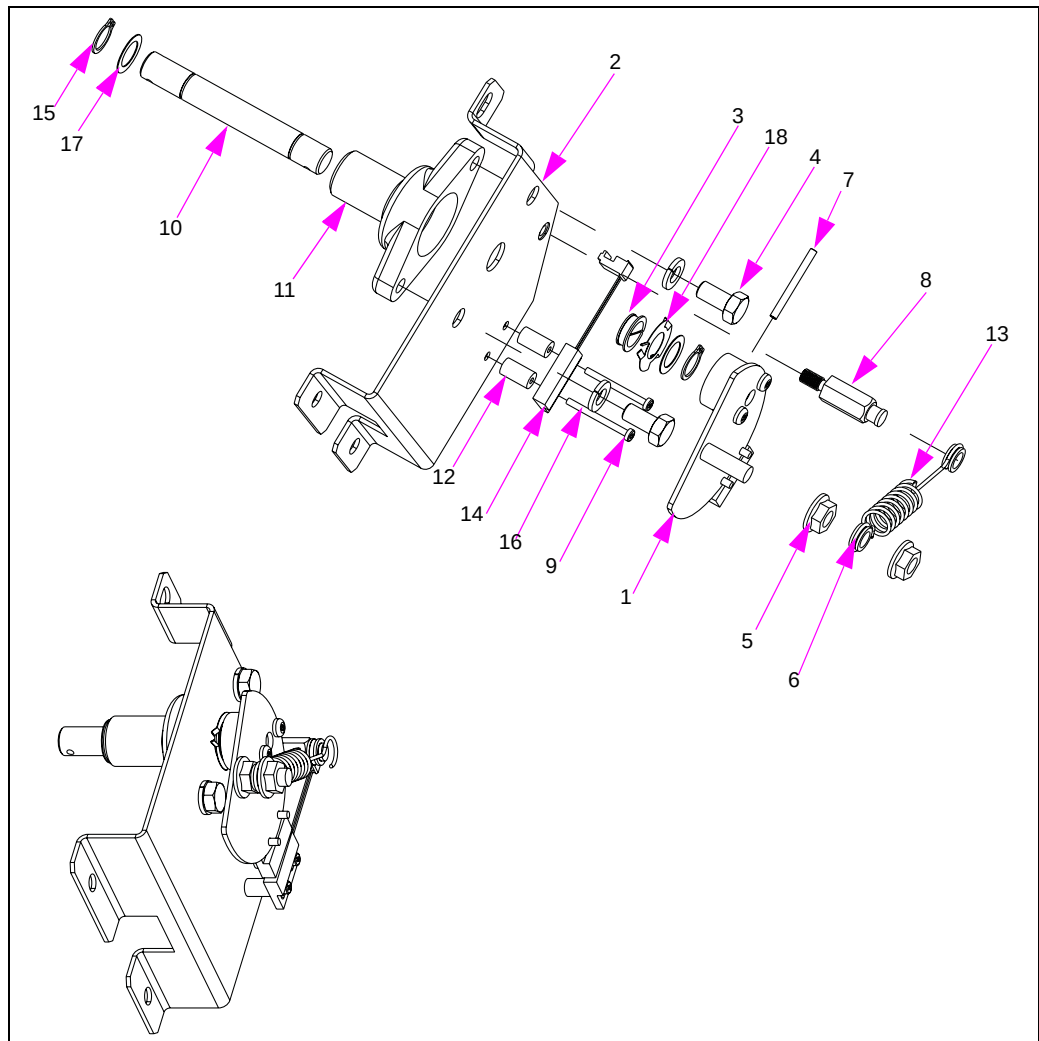
Side-load Electronic



Refer to the following table for Side-load Boot Parts.

Item #	Part Description	Used On	Current Part	Previous Part	Quantity
1	Boot-Noz;98A,88B/D (MACH)	STD Electronic	003338	-	1
	Boot-Noz;88B/D VR (MACH)	Electronic Vapor	003336	-	1
	Nozzle Boot Machined	STD Mechanical	M05142B001	-	1
	Boot, Nozzle	Mechanical Vapor	M05632B001	-	1
2	Gasket-Nozzle Boot	All	026850	-	1
3	Screw TPT Phil FL HD 8-32	All	Q13399-03	-	4
4	Nozzle Hook	All	M05574B001	-	1
5	Lever Cntl 8800B/D (MACH)	Electronic	003347	-	1
	Lever Cntrl (Plastic) 87E/	Mechanical	003354	-	1
6	Stop-eccentric Plastic	All	M07990B001	-	2
7	Screw SCK HD Cap Metric	All	M04973B006	-	4
8	Grommett, 1.500 OD X 0.875	All	N15941-44	-	1
9	Pin Roll P/N SZ-125-1.375	All	042657	-	1
10	Plug Snap IN TW Fastex	Electronic	047210	-	1

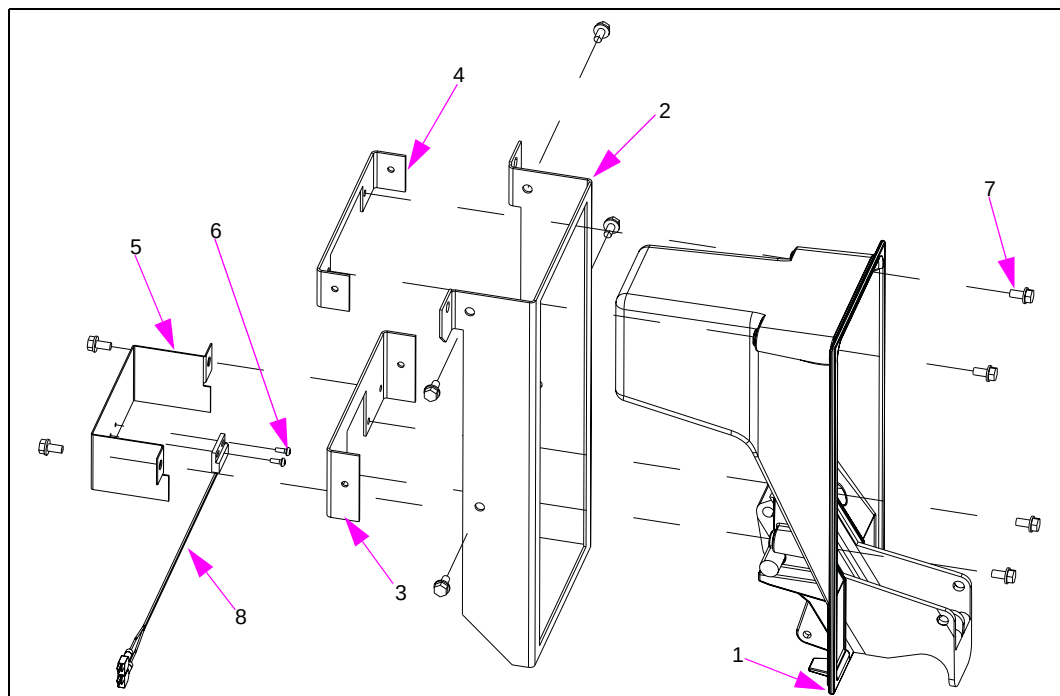
Side-load Activation Assembly



Item #	Part Description	Current Part	Previous Part	Quantity
Assembly, Electronic Reset		M04623A001	-	1
1	• Assembly, Reset Cam	M05295A001	-	1
2	• Assembly, Reset Switch Bracket - 9800Q	M04617A001	-	1
3	• Bearing, Nyliner Type 7, 1/2" Shaft	011958	-	1
4	• Bolt Hex Hd Finished 5/16 - 18 X 0.62	K51194	-	2
5	• Nut, Metric, Hex Serrd Flg (M8)	M00414B003	-	2
6	• Pin Collar Delrin	042912	-	2
7	• Pin, Spirol 0125 X 1.375	042657	-	1
8	• Post, Spring Retainer	M08220B002	-	1
9	• Screw PPHD Machine 4-40 X 1.25	Q11270-28	-	2
10	• Shaft, Start	054447	-	1
11	• Shaft, Start Bearing	003184	-	1

Item #	Part Description	Current Part	Previous Part	Quantity
12	• Spacer, Nylon 0.115 1d X 0.312 od X 0.562	013190	-	2
13	• Spring, Handle	029363	-	1
14	• Switch Magnetic Reed	Q12514-10	-	1
15	• Truarc Retaining Ring	K76238-20	-	2
16	• Lock Washer, 5/16 PL	K73278-28	-	2
17	• Washer, Brass	067109	-	2
18	• Washer, Wave Bearing Loading	068951	-	1

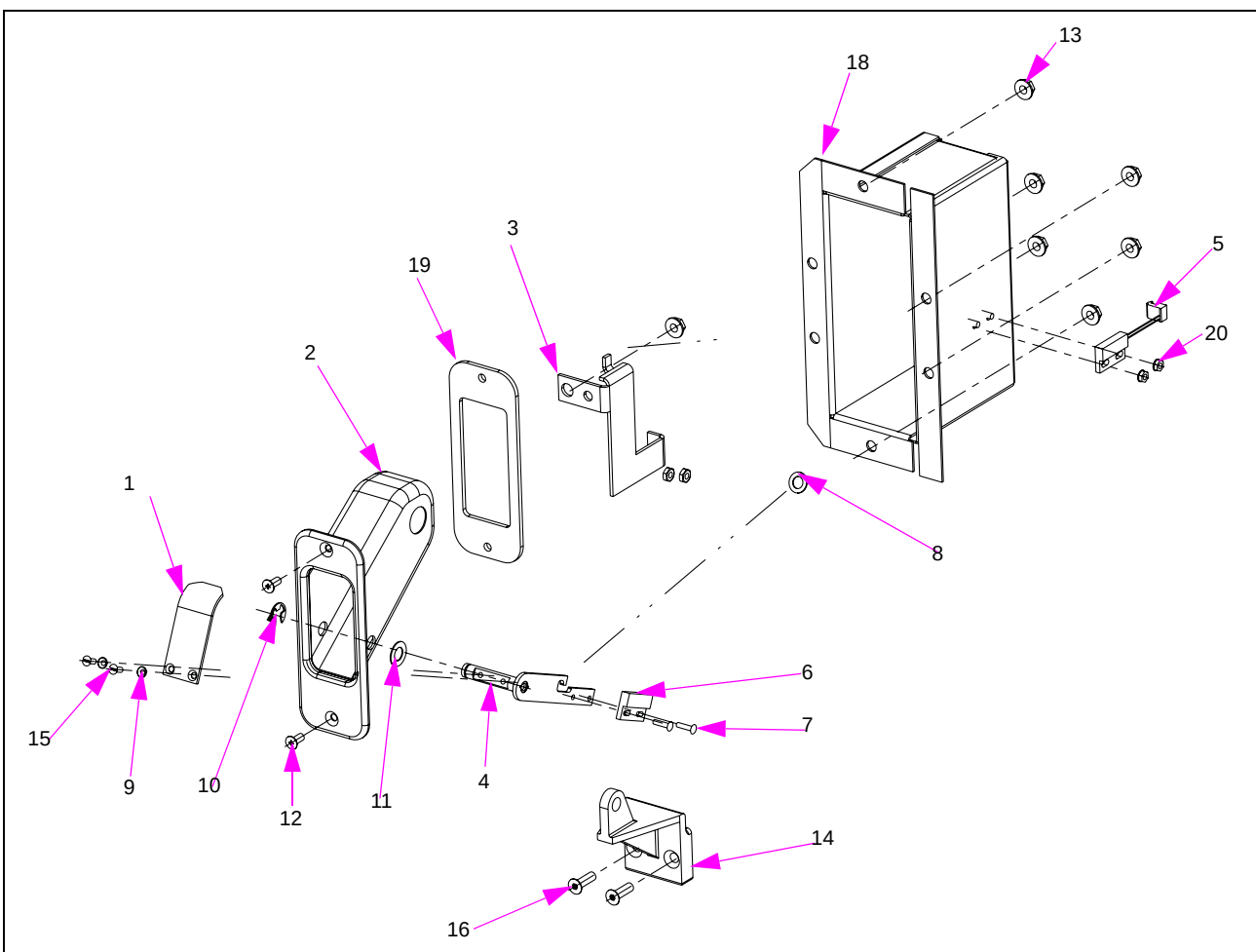
Front-load Nozzle Boot



Refer to the following table for Front-load Nozzle Boot Parts.

Item #	Part Description	Current Part	Previous Part	Quantity
Assembly, Front-load Nozzle Boot		M04827A001	-	1
1	• Assembly, Nozzle Boot	W03879-G1	-	1
2	• Bracket, Nozzle Boot Mounting	M04826B001	-	1
3	• Bracket, Nozzle Boot Mounting	M04829B001	-	1
4	• Bracket, Nozzle Boot Mounting	M04829B002	-	1
5	• Bracket, Switch Mounting	M05314B001	-	1
6	• Screw, 6-32 X 3/8 Panhead	Q11769-15	-	2
7	• Screw, T8, Hex Washer HD M6 X 12	K85736-51	-	10
8	• Sensor Assembly - Nozzle Boot	C04243	-	1

Auto-on Nozzle Boot, Reset, and Boot Cover



Item #	Part Description	Current Part	Previous Part	Quantity
1	Flap, Nozzle Boot	N23687-01	-	1
2	Nozzle Boot	R20269-01	-	1
3	Bracket, Nozzle Support	M04639B001	-	1
4	Assembly Cam and Shaft Nozzle Boot	N23693-G1	-	1
5	Switch Magnetic Reed	Q12514-10	-	1
6	Switch Magnetic Reed	Q12514-05	-	1
7	Rivet Pop	Q10084-16	-	2
8	Washer, Flat 0.328 X 0.562 X 0.0299	N16599-45	-	1
9	Washer, Ext Th Fh #6 X 0.020	K50411-38	-	2
10	Retaining, Meter	K76238-37	-	1
11	Washer, Flat 0.328 X 0.687 X 0.026	N16599-71	-	1
12	Screw, Phil Flhd Metric M5 X 12	M05825B001	-	2
13	Nut, Metric, Hex Serrd Flg (M6)	M00414B002	-	7
14	Nozzle Hook	M05574B001	-	1

Item #	Part Description	Current Part	Previous Part	Quantity
15	82 Degree Flat Head Machine Screw	K78552-21	-	2
16	Flat Head Metric Tamper Resistant	M05629B013	-	2
17	Hex Nut 8-32 Unc-28 Stl Zn Pl	Q12068-03	-	2
18	Assembly, Nozzle Boot Cover	M04641A003	-	1
19	Gasket, Nozzle Boot, Auto	M05627B001	-	1
20	Nut, Metric, Hex w/Ext M4 Blue	Q12885-05	-	2
21	Spring	K89852	-	1

Hose Hanger and Hose Retriever

Hose Hanger Option

Item #	Part Description	Current Part	Previous Part	Quantity
1	Hook-hose; 9100	003740	-	1
2	Screw	-	-	2

Internal Hose Retriever - 5/8-inch

Item #	Part Description	Current Part	Previous Part	Quantity
1	Stud Metric Clinch	Q12887-48	-	1
2	Bracket, Hose Retriever	M04752B001	-	1
3	Nut, Metric M8 Serrated	M00414B003	-	1
4	Retriever and Cable Assembly	N20545-02	-	1
5	Grommet Hose Cable 45 Degrees	R18453-01	-	1
6	Nut, Hex 1/4-20	K01941	-	1
7	Clamp, Hose (Inner Half)	N18319-03	-	2
8	Nut, Hex	Q12068-05	-	1
9	Clamp, Hose, and Cable	N18320-21	-	2
10	Ring, Retaining	K85573-01	-	1
11	End Cable Block	K86055-01	-	1
12	Tie Clamp	Q13641-01	-	1
13	Screw Cap OV Flst 1/4-20	K04585	-	1
14	Washer	K50411-25	-	1

Internal Hose Retriever - 3/4-inch

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Retriever, and Cable	N20545-02	-	1
2	Grommet Hose Cable 45 Degrees	R18453-01	-	1
3	Nut, Hex 1/4-20	K01941	-	1
4	Clamp, Hose (Inner Half) 3	N18319-03	-	2
5	Nut Hex Keps w/Ext LW 4	Q12068-05	-	1
6	Clamp, Hose, and Cable	N18320-21	-	2
7	Ring, Retaining	K85573-01	-	1
8	End Cable Block	K86055-01	-	1
9	Tie Clamp	Q13641-01	-	1
10	Screw Cap OV Flst 1/4-20	K04585	-	1
11	Washer Lock Internal TH 1/4 X 0.018	K50411-25	-	1

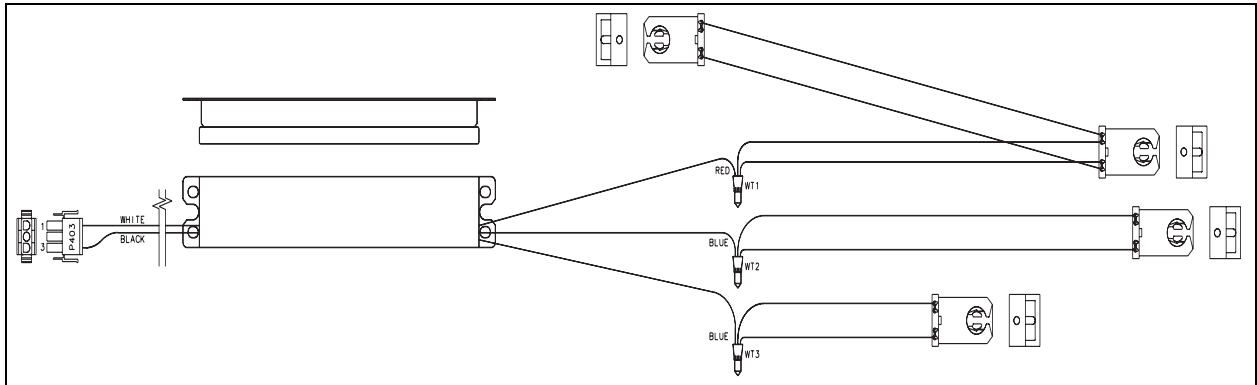
Internal Hose Retriever - 1-inch

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Retriever, and Cable	N20545-02	-	1
2	Grommet Hose Cable 45 Degrees	R18453-01	-	1
3	Nut, Hex 1/4-20	K01941	-	1
4	Screw Phl Pnh 10-32 X 0.50	Q11270-174	-	1
5	Nut, Screw, Clamp, Hose	K75766	-	1
6	Adapter Cable	K85940	-	1
7	Assembly, Hose Clamp 1-1/2"	N15680-01	-	1

This page is intentionally left blank.

Lights

Light and Ballast



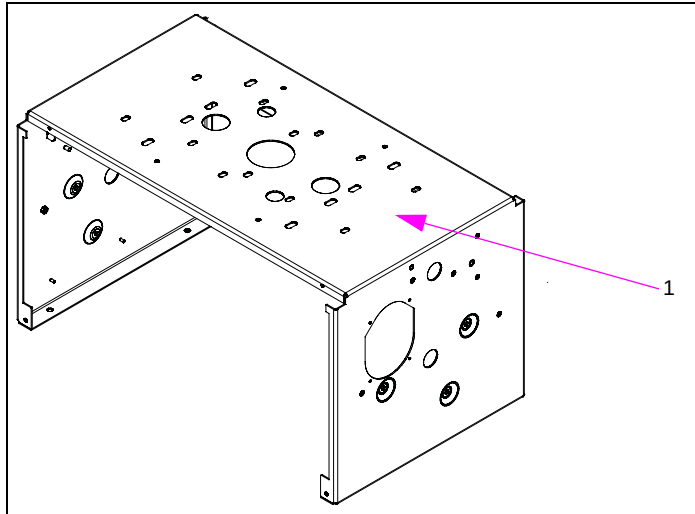
Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Ballast and Two Lamp	M04890A001	-	1
2	Fluorescent Lamp	Q10557-01	-	2
3	Light Bracket	M04813B001	-	2

Note: The Light Bracket is part of the welded cover.

This page is intentionally left blank.

Frame Section

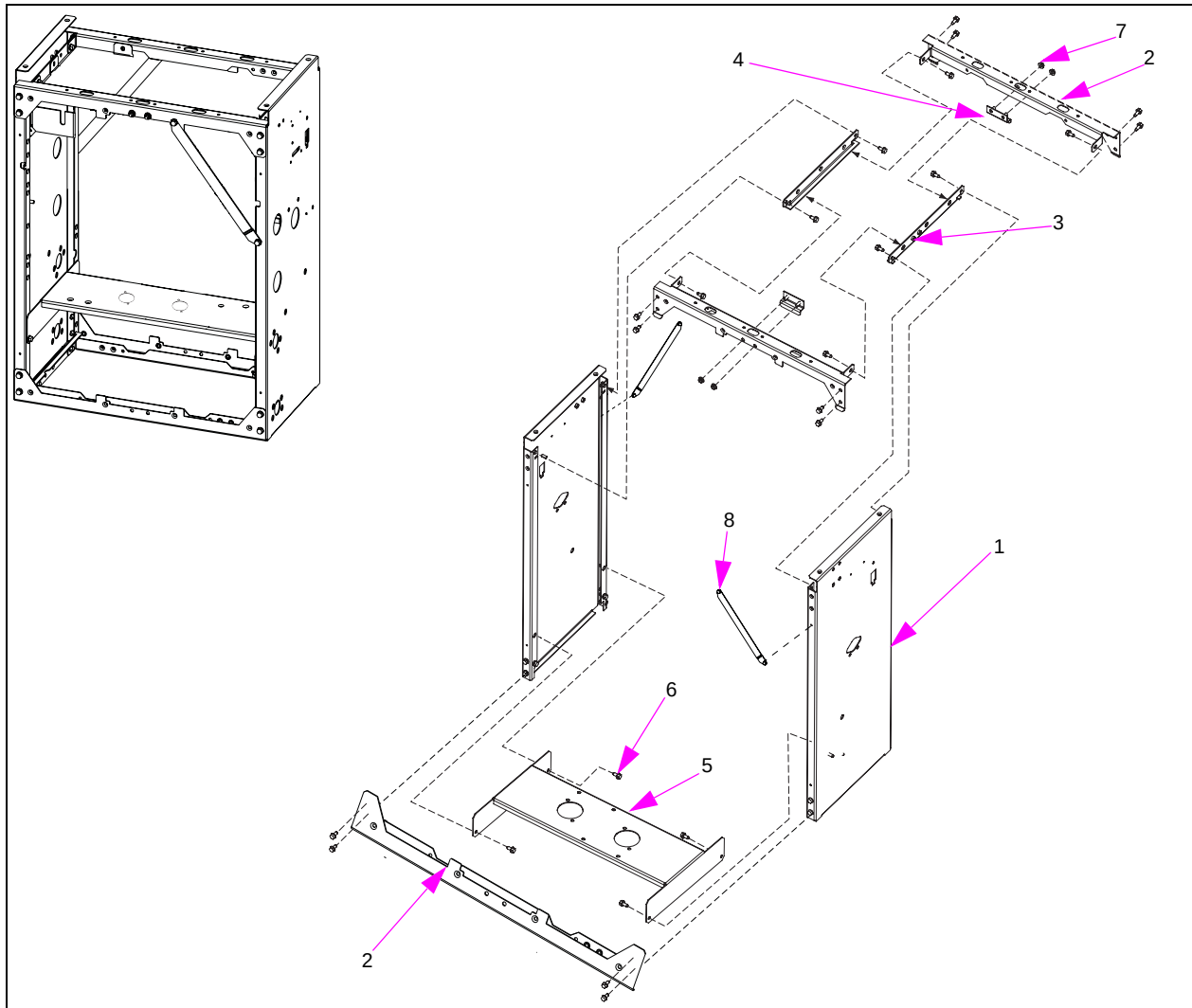
Weldment Top Housing Assembly



Item #	Part Description	Current Part	Previous Part	Quantity
1	Weldment Top Housing Assembly	M08909A001	-	1

Dispenser Frame

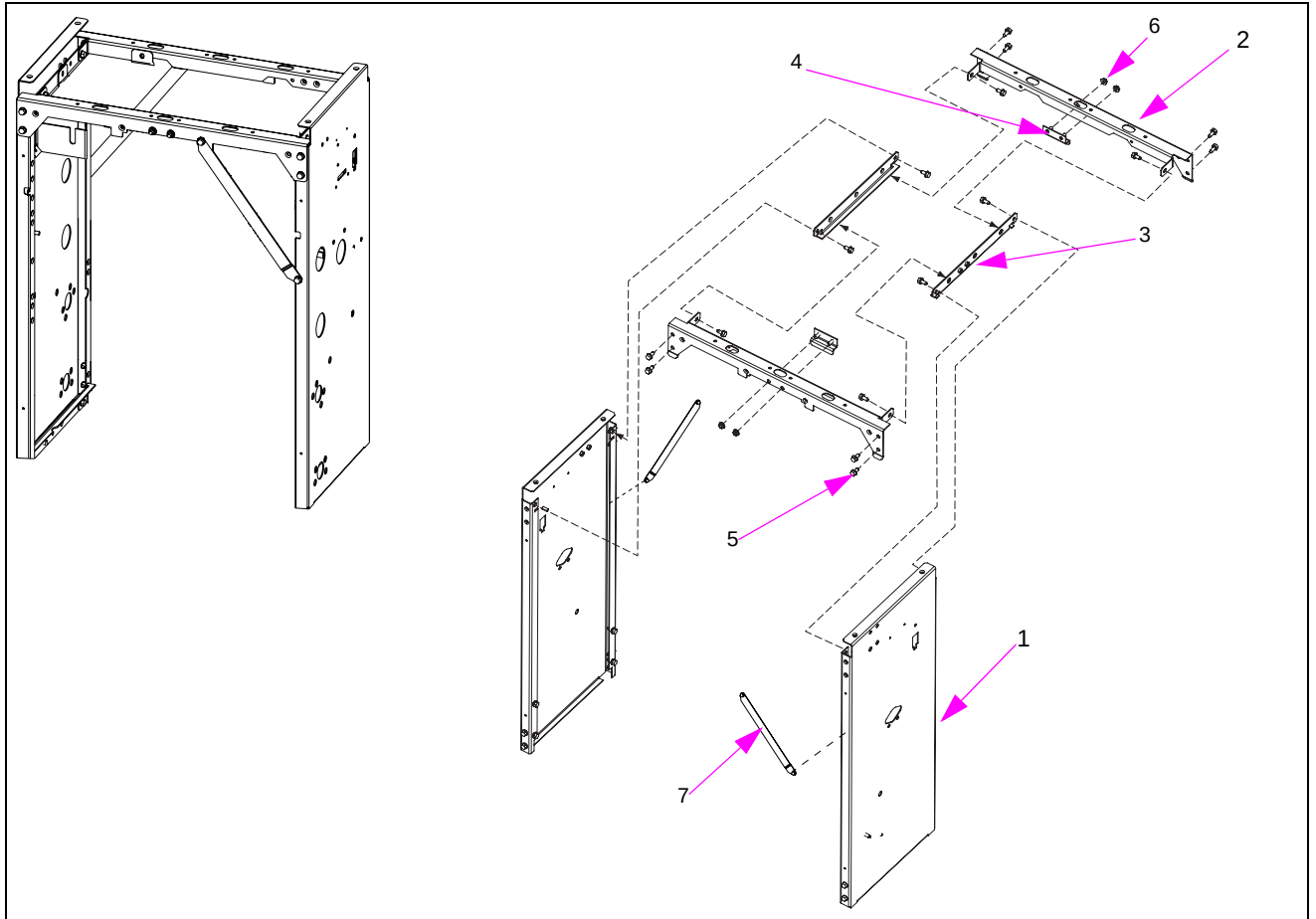
Note: Units built prior to 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Lower Frame Column	M06628A001	-	2
2	Base Rail Frame	M04460B001	-	4
3	Column Cross Bracket	M04251B001	-	4
4	Lock Plate Bracket	M04774A001	-	2
5	Dispenser Inlet Rail (Dispenser only)	M05645B001	-	1
6	• Screw (M8 X 18)	-	-	28
7	• Nut (M8 Serrated)	-	-	4
8	Brace, Frame	M06733B001	-	2

Upper Frame (Self-contained)

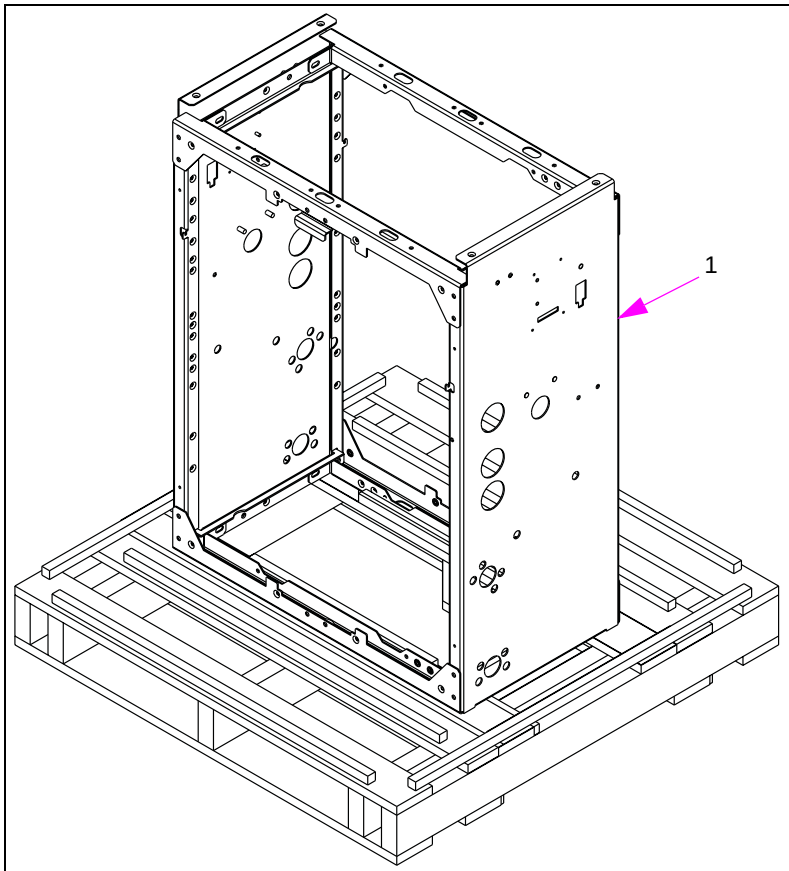
Note: Units built prior to 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Lower Frame Column	M06628A001	-	2
2	Base Rail Frame	M04460B001	-	2
3	Column Cross Bracket	M04251B001	-	2
4	Lock Plate Bracket	M04774A001	-	2
5	• Screw (M8 X 18)	-	-	28
6	• Nut (M8 Serrated)	-	-	4
7	Brace, Frame	M06733B001	-	2

Lower Dispenser Welded Frame

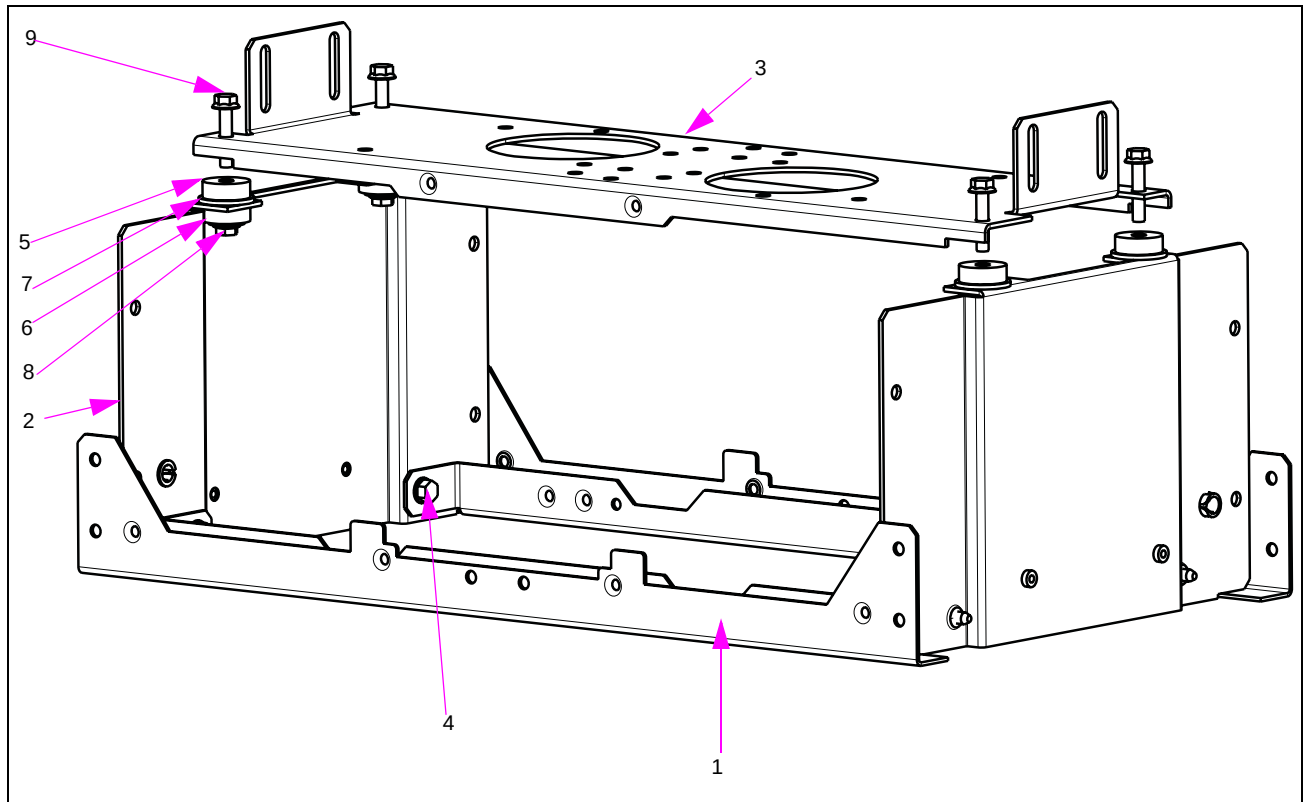
Note: Units built after 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Assy, Frame Weldment	M08928A002	-	1

Lower Frame (Self-contained)

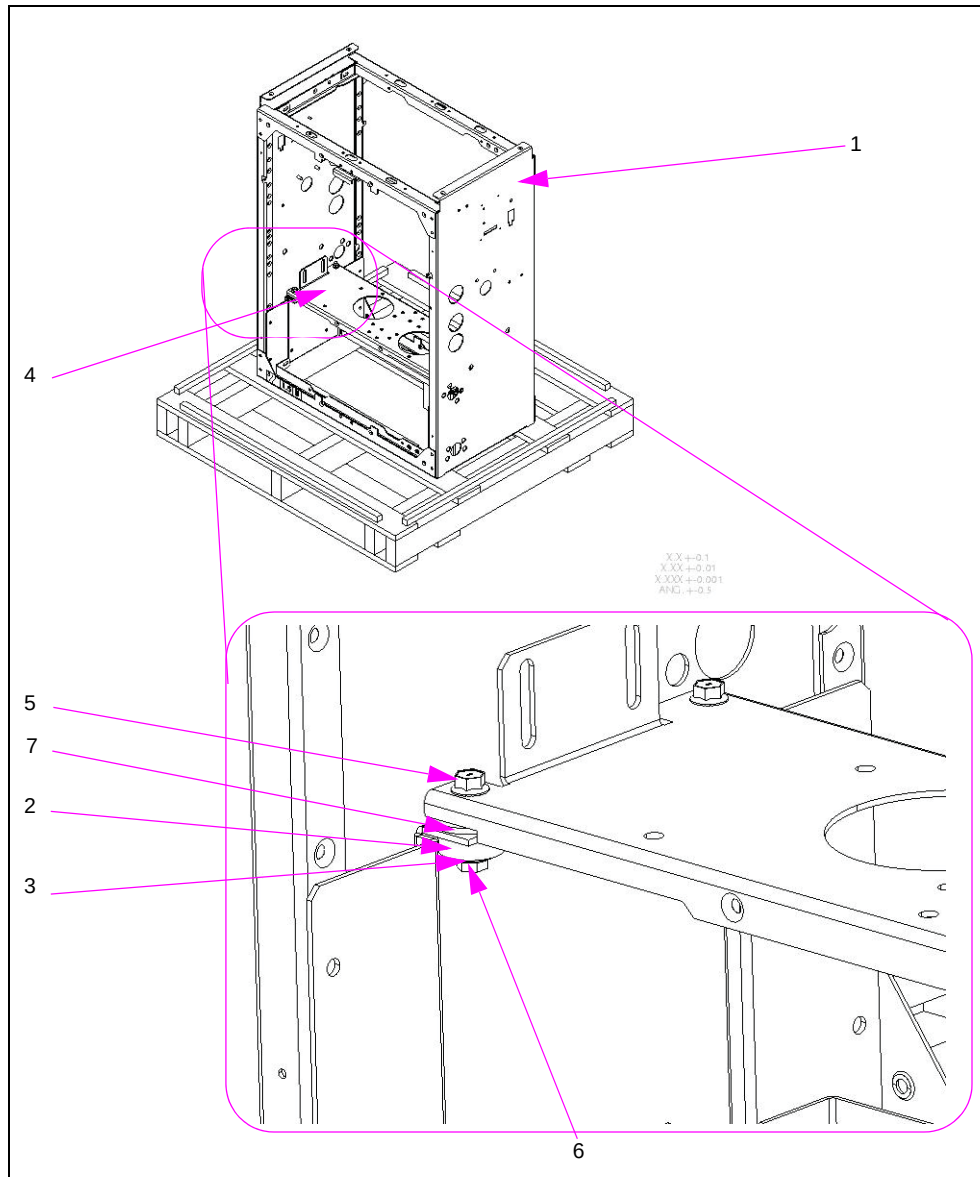
Note: Units built prior to 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Base Rail Frame Support	M04460B001	-	2
2	Assembly Lower Frame Brace	M04868A001	-	2
3	Plate, Pump Support	M06684B001	-	1
4	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	4
5	Universal Isolation Mount	M04871B001	-	4
6	Flat Washer Metric M8 Zinc Plate	M00959B008	-	4
7	Flat Washer Metric - Yellow Chromate	M00959B019	-	4
8	Screw Metric M8 X 40	M00415B017	-	4
9	Nut, Metric, Hex Serrd Flg (M8)	M00414B003	-	4

Lower Welded Frame (Self-contained)

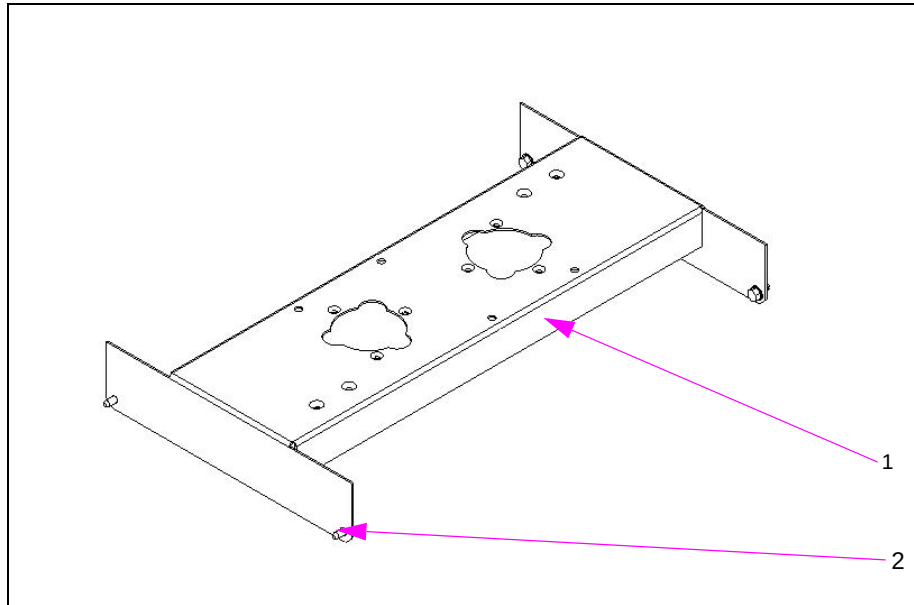
Note: Units built after 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Assy, Frame Weldment	M08928A012	-	1
2	Mount, Universal	M04871B001	-	4
3	Flat Washer	M00959B008	-	4
4	Plate, Pump Support	M06684B001	-	1
5	Screw Metric M8 X 40	M00415B017	-	4
6	Nut, Metric M8 Serrated	M00414B003	-	4
7	Washer, Flat M20 STL ZNPL	M00959B019	-	4

Lower Dispenser Frame (Upper Hydraulic Frame)

Note: Units built after 12/11/2008.



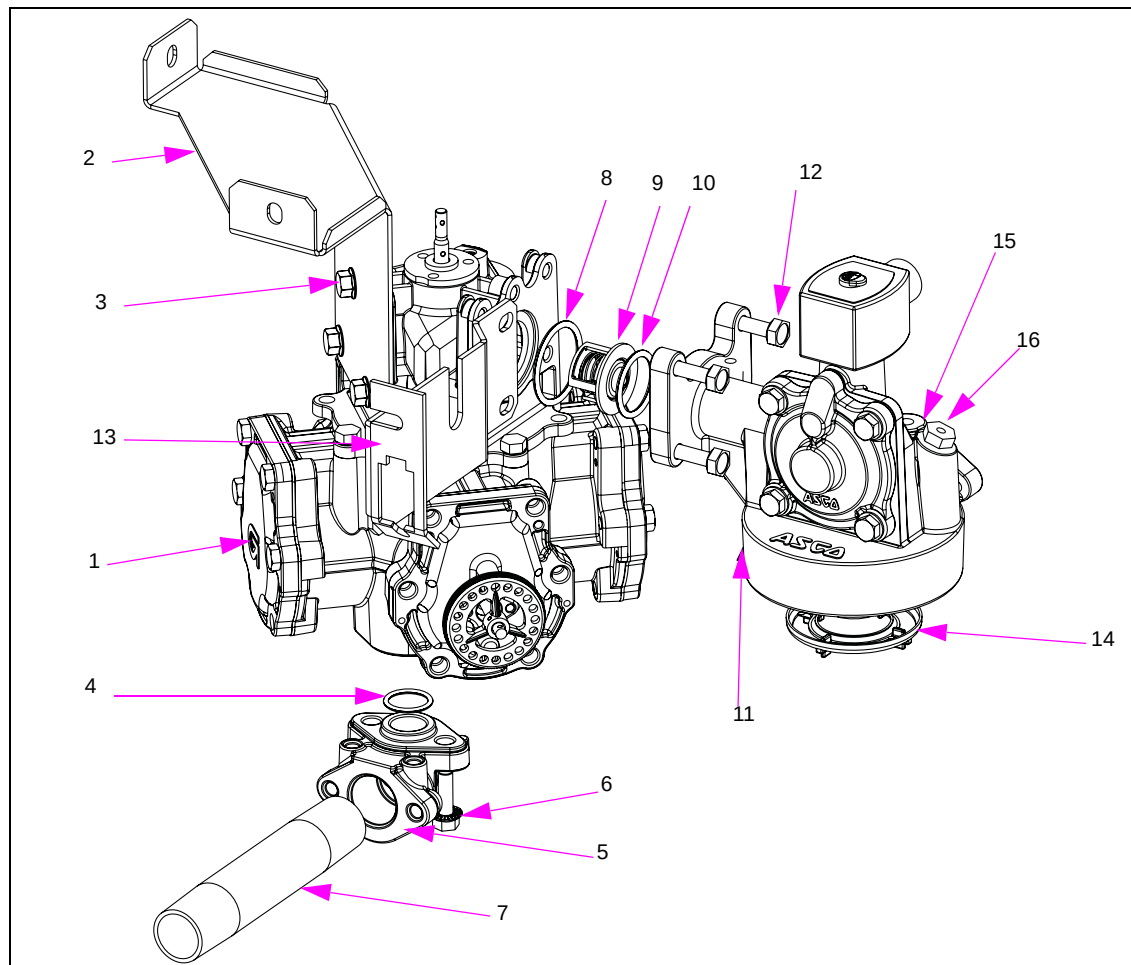
Item #	Part Description	Current Part	Previous Part	Quantity
1	Plate Disp Inlet Supp	M05645B001	-	1
2	Screw, Metric M8 X 18	M00417B009	-	4

This page is intentionally left blank.

Hydraulic Area Section

Upper Hydraulics - Meter, Manifold, and Valve

CFT Meter, Manifold, and Valve Assembly



Note: Quantities are in per meter.

Item #	Part Description	Current Part	Previous Part	Quantity
1	CFT Meter Assembly Electronic	T20150-G5	-	1
	CFT Meter Assembly Mechanical Gallons	T20150-G6	-	1
	CFT Meter Assembly Mechanical Liters	T20150-G7	-	1
2	Bracket Meter Manifold Support	M04259B001	-	1
3	Screw, Hex Ser Flng Hd 5/16 - 18 X 0.62	Q10253-02	-	3
4	O-Ring 1.234 X 0.139	Q12974-118	-	1
5	Fitting, Discharge Meter X Hose	M04624B020	-	1
6	Screw Metric M8 X 25	M00415B011	-	2

Item #	Part Description	Current Part	Previous Part	Quantity
7	1 In STD Pipe X 6.75	R11495-38	-	1
8	O-Ring 1.609 X 0.139	Q10068-14	-	1
9	Assembly Meter Check Valve	K94254-01	-	1
10	O-RING 1.234 X 0.139	Q10068-09	-	1
11	2-stage Sol Valve and Filter Manifold	Refer to "Valve and Manifold Options (Item 11)"	-	-
12	Bolt, Hx Hd Sems, 5/16 - 18 X 1" LG	Q10865-36	-	4
13	Bracket Meter Stabilizer and Hose Retriever	M06217B001	-	1
14	Strainer Insert High Capacity	R19457	-	1
15	RTD Probe Assembly (Canada Retail Only)	Q13130-01	-	1
16	Thermowell, Meter Cover (Canada Retail Only)	Q13131-01	-	1
17	Pipe Plug C-Sunk 1/8 (Canada Commercial Only)	K44283	-	2
18	Pipe Plug C-Sunk 1/8	K46444	-	2
Not Shown - For 9140 only				
19	Angle Bracket	M07342B001	-	1
20	Screw 5/16 X 7/8	Q11889-15	-	5

Valve and Manifold Options (Item 11)

Part Description	Current Part	Previous Part	Quantity
Valve and Manifold 120 V	M04607B001	-	1
Valve and Manifold 220 V	M04607B002	-	1
Valve and Manifold 120 V with ATC	M04607B003	-	1
Manifold, no Valve*	M04607B005	-	1
Manifold, no Valve w/ATC*	M04607B006	-	1
* Super-Hi and High Flow w/Satellite Feed			

Fuel Filter Options

Fuel Filter Options quantities are 1 per meter/manifold.

Filter Description	Gasboy Part Number	Cim-Tek Part Number
400-10 High Flow Particulate - 10 Micron	R18189-10	70015
400-30 High Flow Particulate - 30 Micron	R18189-30	70016
400HS-10 High Flow Water Alert - 10 Micron ¹	R20039	70060
400HS-30 High Flow Water Alert - 30 Micron ¹	026019	70065
400MB-10 High Flow Alcohol Monitor - 10 Micron ²	R19736-10	70120
Manifold Strainer ³	R19457	N/A
Filter Cap - NO FILTER	R18896-G1	N/A

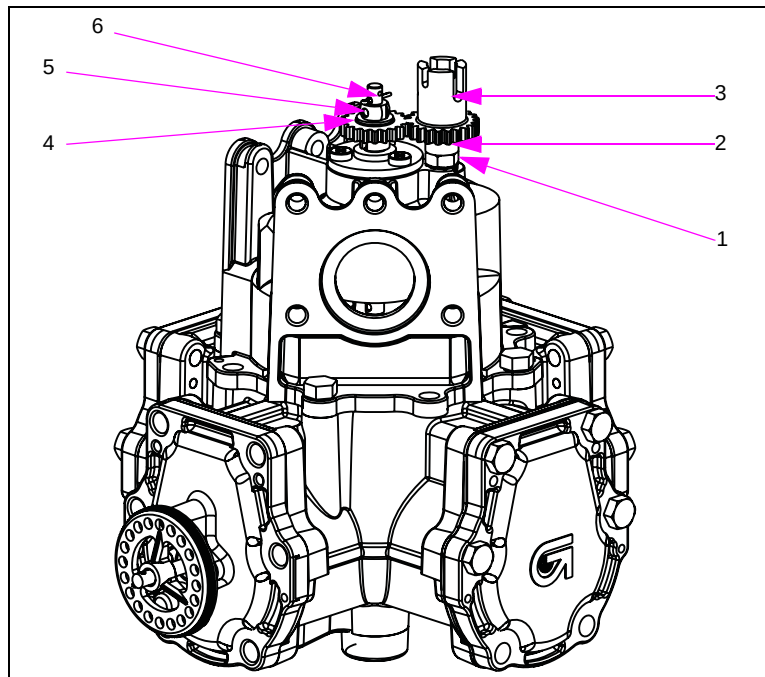
Notes: 1) Water Alert filters are for use with gasoline, ether blended fuels and diesel fuel. NOT FOR USE WITH ALCOHOL BLENDED FUELS.

2) Alcohol Monitor filter are for use with ethanol blended fuels containing up to 20% ethanol. NOT FOR USE WITH ANY OTHER FUELS.

3) Manifold Strainer use is highly recommended with use of filter cap.

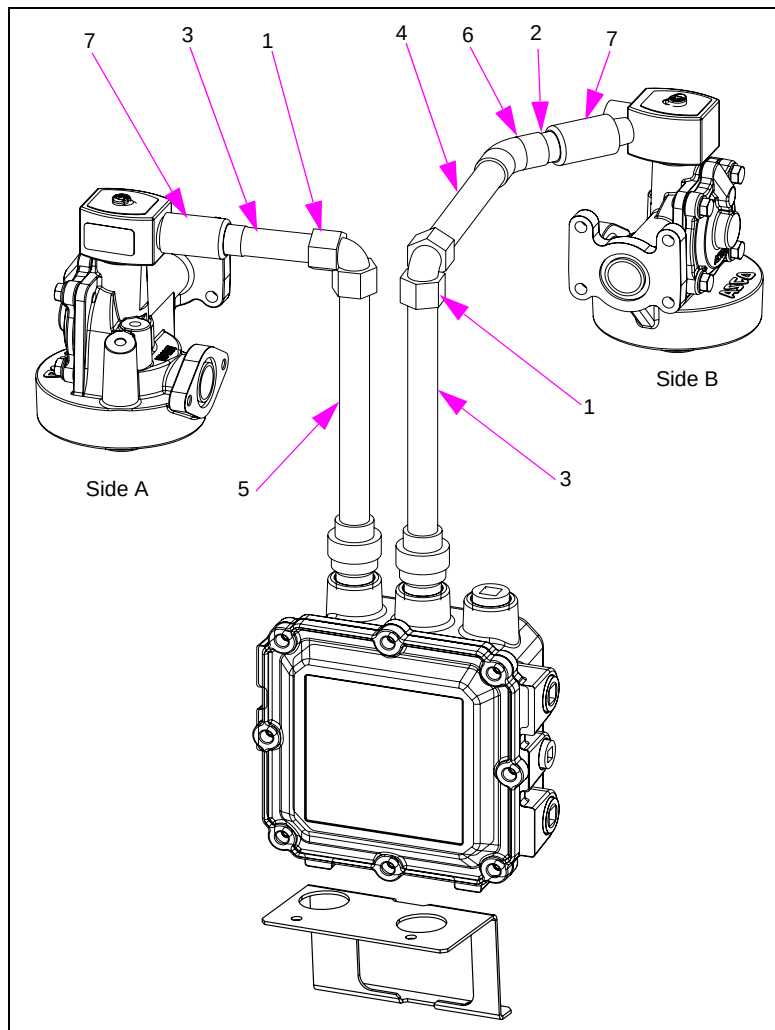
4) Fuel Filter option listed here are for protection of dispenser components. FUEL FILTER OPTIONS LISTED HERE ARE NOT SUFFICIENT FOR FILTERING AVIATION FUEL.

Meter Gears - Mechanical Models



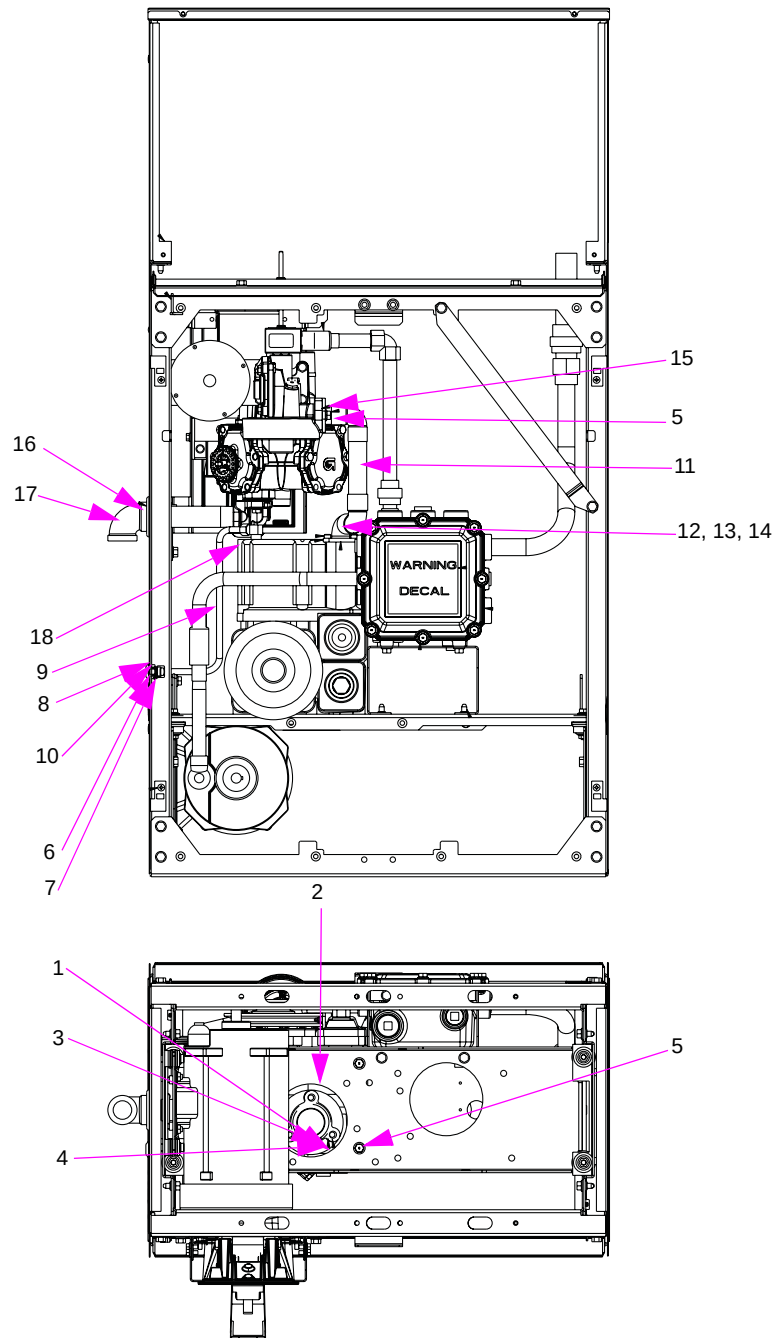
Item #	Part Description	Current Part	Previous Part	Quantity
1	Washer Lk Ext Th 1/4 X 0.025	K50411-31	-	1
2	Stud, Drive Gear	N23567	-	1
3	Assembly Driven Gear - US Gallons	M07296A001	-	1
	Assembly Driven Gear - IMP Gallons	M07340A001	-	1
	Assembly Driven Gear - Liters	K55152	-	1
4	Drive Pinon - US Gallons	M07298B003	-	1
	Drive Pinon - IMP Gallons	M07341B003	-	1
	Drive Pinon - Liters	K55151-21	-	1
5	Swivel Ball	K93546-01	-	1
6	Pin Cotter 1/16 X 1/2 Stl	K02124	-	1

Solenoid Valve Conduit



Item #	Part Description	Current Part	Previous Part	Quantity
1	Conduit Elbow 1/2 NPT 90°	K42428	-	2
2	Conduit 1/2 X 1-1/8	R11976-39	-	1
3	Conduit 1/2 X 3-1/4	R11976-52	-	1
4	Conduit 1/2 X 6-3/8	R11976-67	-	1
5	Conduit 1/2 X 9-1/8	R11976-76	-	2
6	Elbow, Conduit 1/2" X 45	K49306	-	1
7	Expansion Union (Conduit)	N16289-20	-	2

Lower Hydraulics - Self-contained

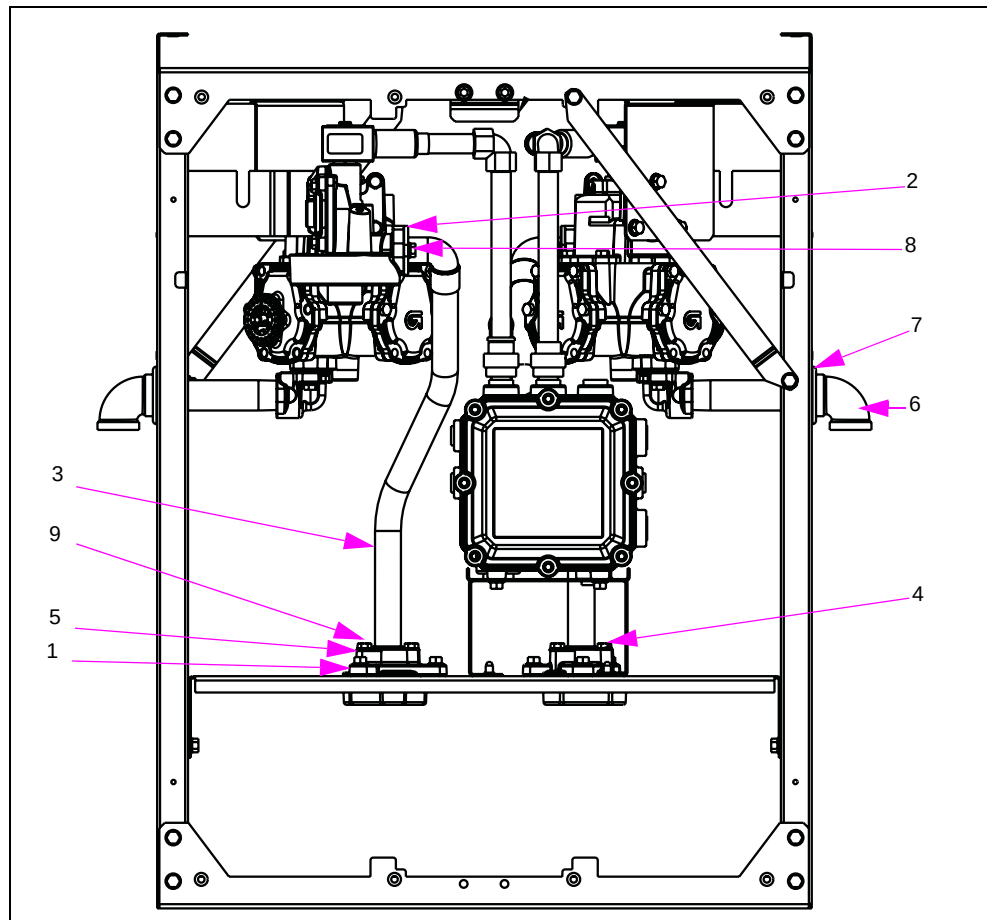


Note: Quantities are in per grade.

Item #	Part Description	Current Part	Previous Part	Quantity
1	O-Ring 2.37 X 0.103	Q10067-31	-	1
2	Adaptor - EP2 Inlet	023146	-	1
3	Lock Washer Metric M10 Zinc Plate	M01071B001	-	3
4	Socket Head Cap Screw, M10 X 25	M04973B005	-	3
5	Screw Metric M8 X 16	M00415B009	-	8
6	Ferule Compression	K43260	-	2
7	Nut, Compression Fitting	Q12505-01	-	2
8	Finished Hex Check Nuts	Q10985-02	-	1
9	Tube, Sump Vent	M07391B001	M04754B001	1
10	Fitting, Sump Vent	N21861-02	-	1
11	Feedline Assembly Single 1 Grade	M04830A001	-	1
	Feedline Assembly Dual 1 Grade	M04831A001	-	1 per unit
12	O-Ring 1.149 X 0.139	Q10068-07	-	1
13	Pump Discharge Flange	M04686B001	-	1
14	Socket Head Cap Screw, M6 X 26	M04973B001	-	2
15	O-Ring 1.234 X 0.139	Q10068-09	-	1
16	Grommet, Discharge 1 In, Pipe	028960	-	1
17	Elbow 1 In, X 50°, Painted	024895	-	1
18	GPU Pumping Unit	M04920B003	M04920B001	1
<i>Not Shown</i>				
19	V-Belt 4L290	R06711-52	-	1

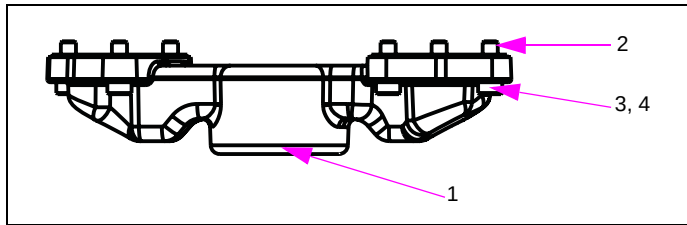
Note: For motor and conduit, refer to “Self-contained Motors - 8700, 8800, 9100, 9840, 9852/53” on page 47.

Lower Hydraulics - Dispenser



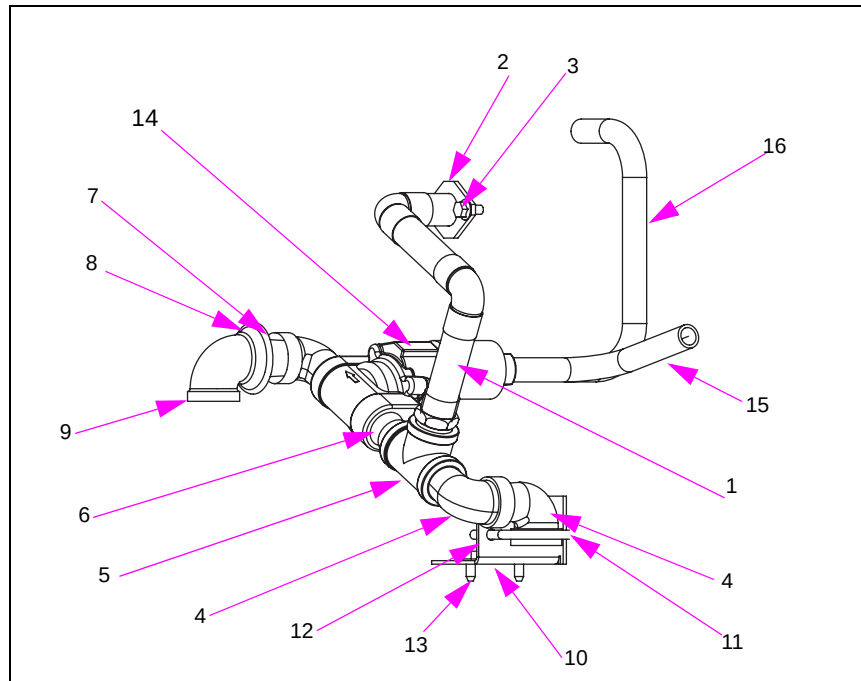
Item #	Part Description	Current Part	Previous Part	Quantity
1	Inlet Adapter Dispenser	M05582B010	-	1 per grade
2	O-Ring 1.234 X 0.139	Q10068-09	-	1 per hose
3	Feedline Assembly Dispenser 1GR 1HS	M05646A001	-	1 per grade
	Feedline Assembly Dispenser 1GR 2HS	M05647A001	-	1 per unit
4	O-Ring 1.109 X 0.139	Q10068-07	-	1 per grade
5	Flange, Feedline	M04662B001	-	1 per grade
6	Elbow 1 In. X 90 Deg. Painted	024895	-	1 per hose
7	Grommet, Discharge 1 In. Pipe	028950	-	1 per hose
8	Screw Metric M8 X 16	M00415B009	-	2 per hose
9	Screw Metric Hex w/Ext Lock Washer (SEMS)	M05230B009	-	2 per grade

Inlet Manifold - TW1-M and Super-Hi Models



Item #	Part Description	Current Part	Previous Part	Quantity
1	Inlet Manifold, Twin Pump	M05347B010	-	1
2	Gasket, Twin Manifold	M06101B001	-	2
3	Lockwasher Metric M10 Zinc Plate	M01071B001	-	6
4	Socket Head Cap Screw, M10 X 25	M04973B005	-	6

9153 and 9853 Satellite Discharge Piping - Dispenser Only

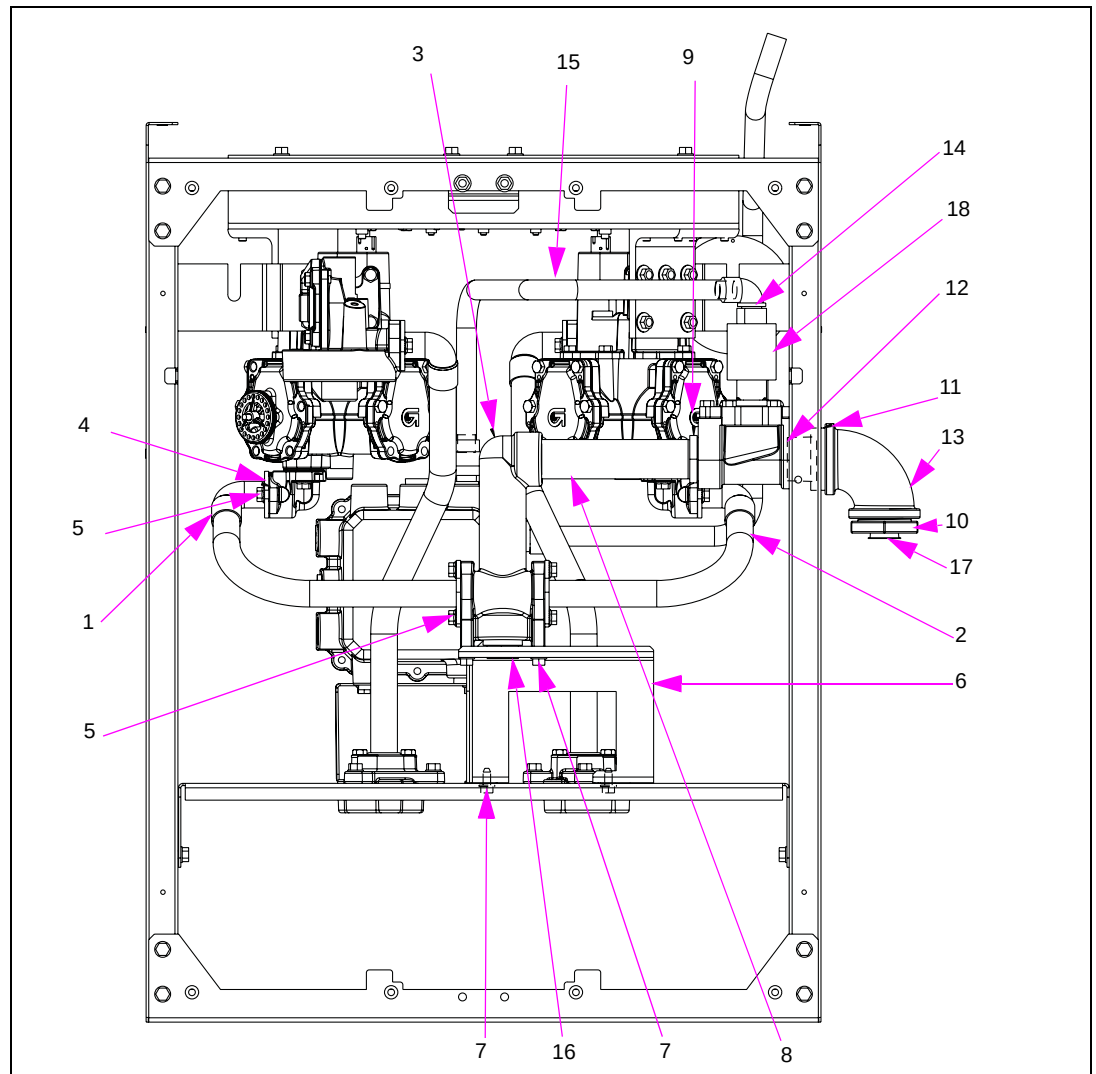


The following parts are only used on units with satellite outlet.

Item #	Part Description	Current Part	Previous Part	Quantity
1	Discharge Line Assembly	M05677A001	-	1
2	O-Ring, 1.234 X 0.139	Q10068-09	-	1
3	Screw, Metric M8 X 16	-	-	3
4	Elbow, 90 Degrees Street	K02321-20	-	3
5	Tee, 1-inch Pipe	K12630	-	1
6	1-inch Standard Pipe X 2.50	R11495-90	-	1
7	1-inch Standard Pipe X 2.38	R11495-23	-	1
8	Grommet, Discharge 1-inch Pipe	028960	-	1
9	Elbow, 1-inch X 90 degrees, Painted	024895	-	1
10	Support Bracket, Satellite Piping	M05690B001	-	1
11	U-Bolt, Metric	M00703B002	-	1
12	Nut, Metric, Hex Serrated Flange - M8	M00414B003	-	2
13	Screw, TF, Hex Washer Head M8 X 18	-	-	2
14	Solenoid Valve, 1-inch 2 Stage	-	-	-
	• 115 V Solenoid Valve	067034	-	1
	• 230 V Solenoid Valve	067036	-	1
15	Formed Conduit Valve Grade 1	M05681B001	-	1
16	Formed Conduit Valve Grade 2 (see note)	M05680B001	-	1

Note: Used on two grade dispensers only.

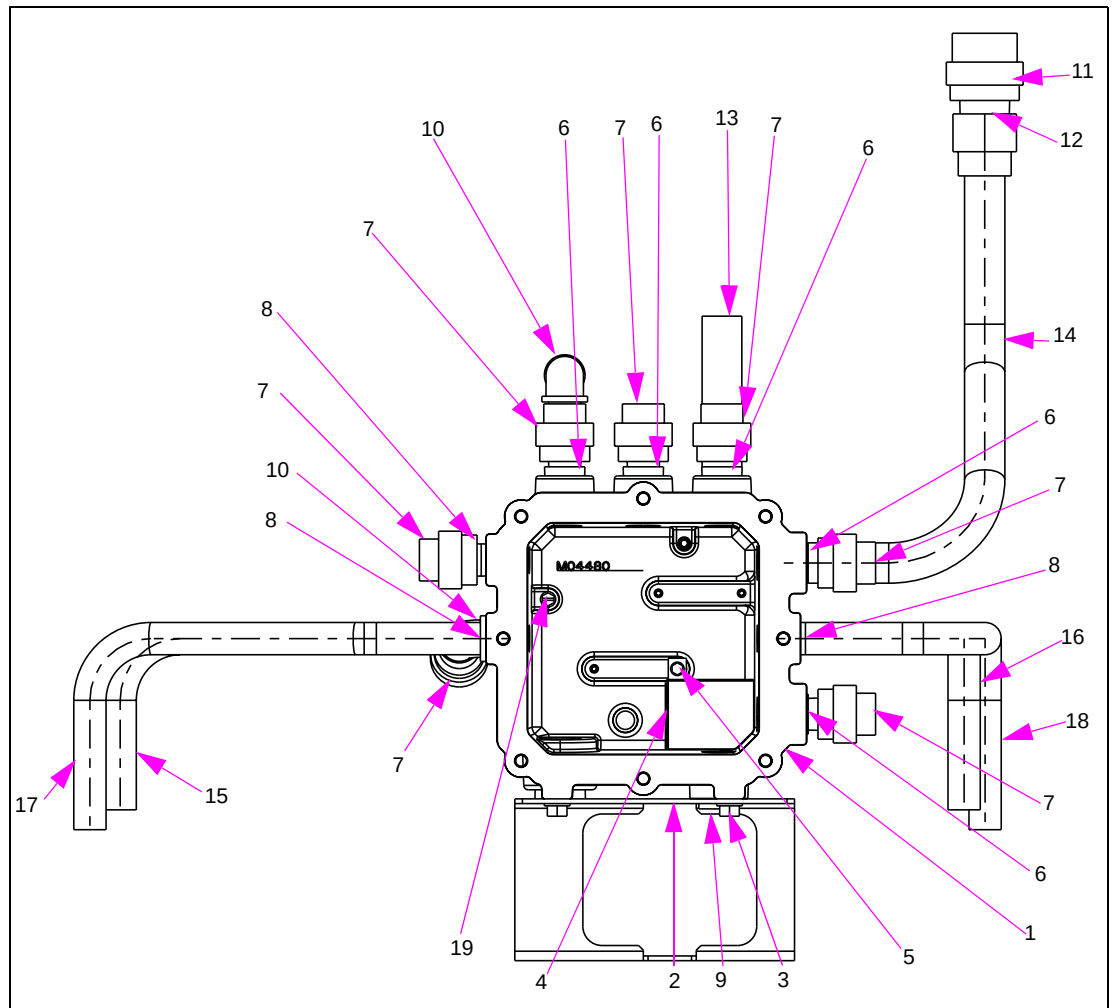
9140K, 9840K Super-Hi Discharge Piping



Item #	Part Description	Current Part	Previous Part	Quantity
1	Discharge Line Assembly Super-Hi GR 1	M05560A001	-	1
2	Discharge Line Assembly Super-Hi GR 2	M05561A001	-	1
3	Hydraulic Manifold	M05552B010	-	1
4	O-Ring 1.234 X 0.139	Q10068-09	-	4
5	Screw Metric M8 X 16	M00415B009	-	8
6	Bracket Manifold Support	M06244B001	-	1
7	Screw, TF, Hex Washer HD M8 X 16	M00417B009	-	4
8	Nipple Std Pipe 1-1/4 X 7-9/16 Inch NPT	R11494-68	-	1
9	Bushing, Hex Reducer	K57268	-	1
10	Reducing Bushing Hex 1-1/4 X 1	K02309-22	-	1
11	Discharge Grommet	028975	-	2
12	Nipple FE Pipe 1-1/2 X 2.50 EH	R11493-52	-	1
13	Elbow 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	1
14	Elbow, 1/2 X 90M X F	K42448	-	1
15	Conduit, Valve	M07354B001	-	1
16	Pipe Plug Sq. Head 1-1/4	K02284	-	1
17	1" NPT Plug	K78953-27	-	1
18	Solenoid Valve 115 V	067028	-	1
	Solenoid Valve 230 V	067062	-	1

Junction Box - Parts, Unit Descriptions, and Options

Junction Box Parts



The following table lists all parts used in Atlas Junction Box Assemblies.

Item #	Part Description	Current Part	Previous Part
1	Junction Box	M04480B010	-
2	Bracket, J-Box Mounting	M05776B001	-
3	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-
4	Bracket, JBox DC Shield	M05235B001	-
5	Screw, TF, Hex Washer HD M4 X 8	M00417B113	-
6	Bushing, Reducing 3/4 - 1/2	K49827	-
7	Union, Conduit 1/2 Inch	Q10016-03	-
8	Pipe Plug C-Sunk 1/2	K43850	-
9	Pipe Plug C-Sunk 3/4	K57624	-
10	Elbow, 1/2 X 90 M X F	K42448	-
11	Union, Conduit 1 Inch	Q10016-03	-
12	Conduit Red Coup 1" NPT x 3/4" NPT	M05084B001	-
13	I. S. Barrier Assembly (115)	T19428-G1	-
14	Formed Conduit	M05338B001	-
15	Conduit, Motor 1 1PH	M05038B001	-
16	Conduit, Motor 2 1PH	M05039B001	-
17	Conduit, Motor 1 3PH	M05048B001	-
18	Conduit, Motor 2 3PH	M05049B001	-
19	Screw, Hex, Slid, THD Frmg, Washer HD (10-32 X 1/2)	K85736-05	-

Junction Box - Unit Descriptions

The following table lists unit descriptions for junction boxes. The item numbers correspond to the where used information for parts listed in the Parts table below [“Junction Box Parts”](#) on [page 41](#).

		QUANTITY																													
ITEM	PART NO.																														
		MECH PUMP, 1G1H 1P	MECH PUMP, 1G2H 1P	MECH PUMP, 2G2H 1P	MECH PUMP, 1G1H 3P	MECH PUMP, 1G2H 3P	MECH PUMP, 2G2H 3P	MECH PUMP, SUPER-HI 1P	MECH PUMP, SUPER-HI 3P	MECH DISP, 1H	MECH DISP, 2H	MECH DISP, SUPER-HI	MECH DISP, HF 1H w/SAT-OUT	MECH DISP, HF 2H w/SAT-OUT	ELEC PUMP, 1G1H 1P	ELEC PUMP, 1G2H 1P	ELEC PUMP, 2G2H 1P	ELEC PUMP, 1G1H 3P	ELEC PUMP, 1G2H 3P	ELEC PUMP, 2G2H 3P	ELEC PUMP, SUPER-HI 1P	ELEC PUMP, SUPER-HI 3P	ELEC DISP, 1H	ELEC DISP,2H	ELEC DISP, HF 1H w/SAT-OUT	ELEC DISP, HF 2H w/SAT-OUT	ELEC DISP, SUPER-HI	ATC OPTION	MECH PULSER OPTION	DC CONNECTION OPTION	
1	M04480B010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	M05776B001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	M00417B009	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	M05235B001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	M00417B113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	K49827	1	3	3	1	3	3	1	1	3	3	1	-	2	1	2	2	1	2	2	1	1	1	1	2	-	1	1	-	-	-
7	Q10016-04	2	4	4	2	4	4	2	2	2	4	2	2	4	1	2	2	1	2	2	1	1	1	1	2	1	2	1	-	1	1
8	K43850	1	1	-	1	1	-	-	-	2	2	2	1	1	2	2	1	2	2	1	1	1	3	3	2	2	3	-	-	-	-
9	K57624	3	2	1	3	2	1	3	3	3	1	3	4	2	2	1	1	2	1	1	2	2	2	1	3	2	2	-	-	-	-
10	K42448	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-
11	Q10016-03	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
12	M05084B001	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
13	T19428-G1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
14	M05338B001	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-	-
15	M05038B001	1	1	1	-	-	-	1	-	-	-	-	-	-	1	1	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
16	M05039B001	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
17	M05048B001	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	1	1	1	-	1	-	-	-	-	-	-	-	-	-
18	M05049B001	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
19	K85736-05	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
Not Shown																															
20	M04536B010	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
21	M05098B001	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	-	-
22	M00415B010	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	-	-	-

Abbreviations:

1G1H 1 GRADE 1 HOSE

1G2H 1 GRADE 2 HOSE

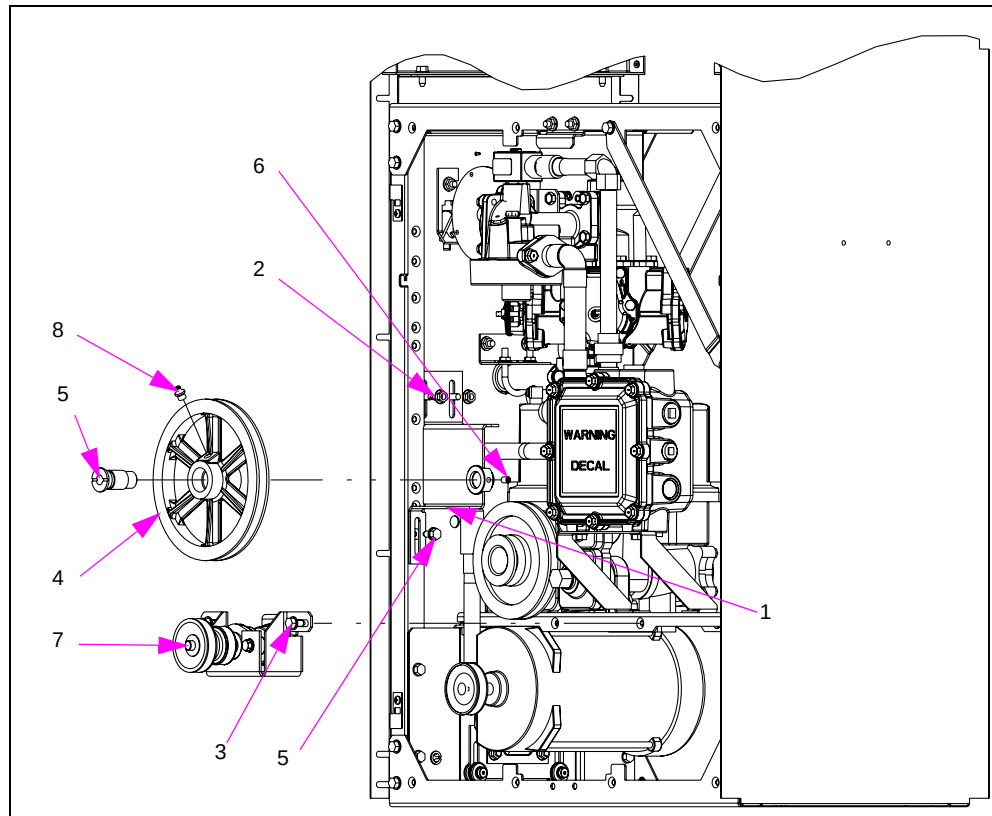
2G2H 2 GRADE 2 HOSE

1P SINGLE HOSE

3P 3 PHASE

W/SAT-OUT WITH DISCHARGE PIPING FOR CONNECTION TO SATELLITE

Hand Drive Option - Mechanical Self-contained Pump Models Only

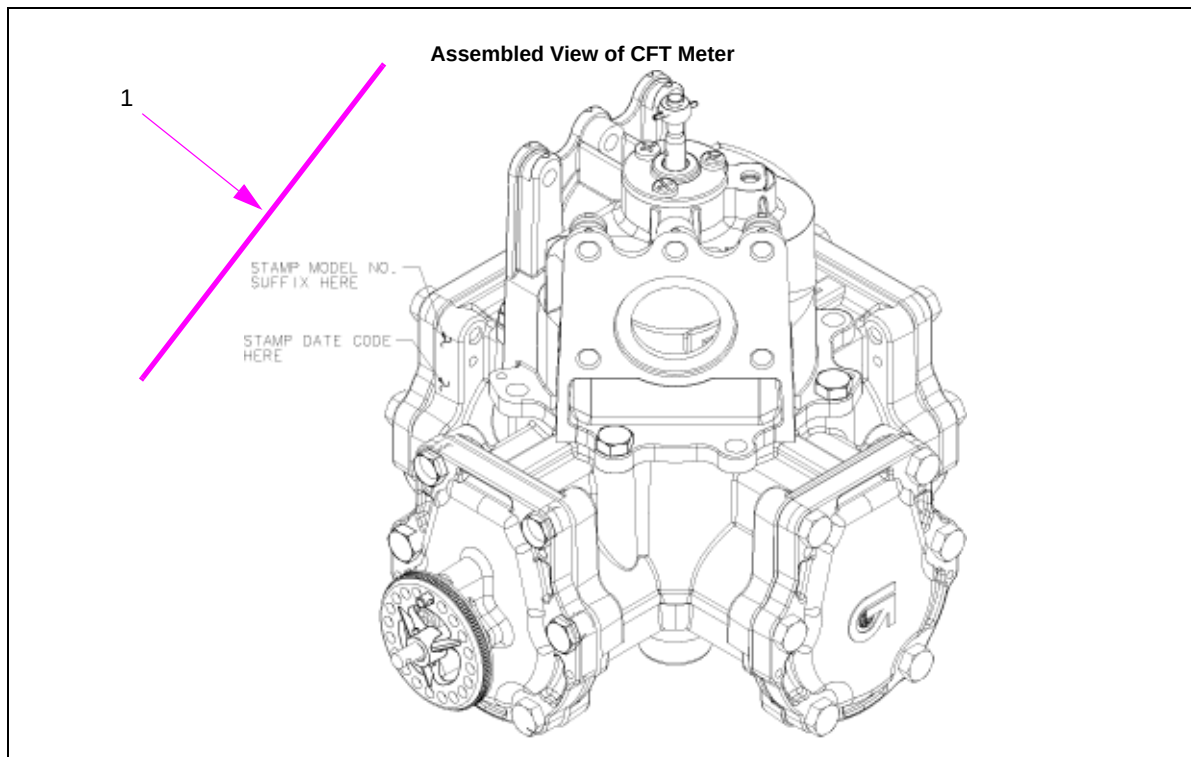


Note: Quantities are in per grade.

Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket, Hand Drive Pulley	M05567A001	-	1
2	Nut, Metric, Hex Serdd Flg (M8)	M00414B003	-	2
3	Screw, TF, Hex Washer HD M8 x 18	M00417B009	-	3
4	Pulley, Hand Drive	R13824-02	-	1
5	Stud, Pulley	K85561	-	1
6	Set Screw 5/16-18 X 1/2 Hex Set HD Cup Pkt	K18719	-	1
7	Assembly, Shaft and Hub Hand Drive	M05767A001	-	1
8	Hydraulic Fitting	K76145-21	-	1
9	Belt V 4L 400	R06711-61	-	1
10	Belt V 4L 200	R06711-75	-	1
11	Hand Crank	N18539	-	1

Meter, Pump, and Motor Section

CFT Meter Assembly

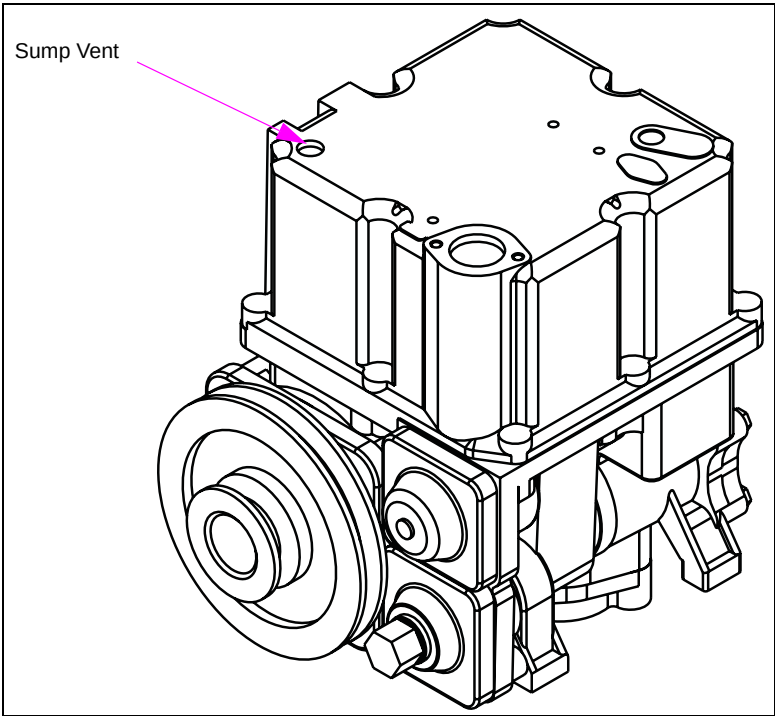


Item #	Description	Current Part	Previous Part	Quantity
1	CFT Meter Assembly - Electronic Models (<i>Spare Parts item</i>)	T20150-G5	-	(See Note 1)
	CFT Meter Assembly - Mechanical Computer Models, Gallons (<i>Spare Parts item</i>)	T20150-G6	-	(See Note 1)
	CFT Meter Assembly - Mechanical Computer Models, Liters (<i>Spare Parts item</i>)	T20150-G7	-	(See Note 1)
	• Meter Master Seal Service Kit Installation { <i>Reference Only</i> }	K96618	-	(See Note 2)
	• Meter Quad Ring Top Seal Replacement Kit { <i>Reference Only</i> }	K35222	-	(See Note 3)

Notes:

1. CFT Meter is ordered only as an assembly.
2. MDE-3892 provides information on how to install K96618 Meter Master Seal Service Kit. Kit provides materials and instructions for complete changeout of all seals as a major rebuild.
3. MDE-2188 provides information on how to install K35222 Kit. Kit contains enough top seals to service (10) meters.

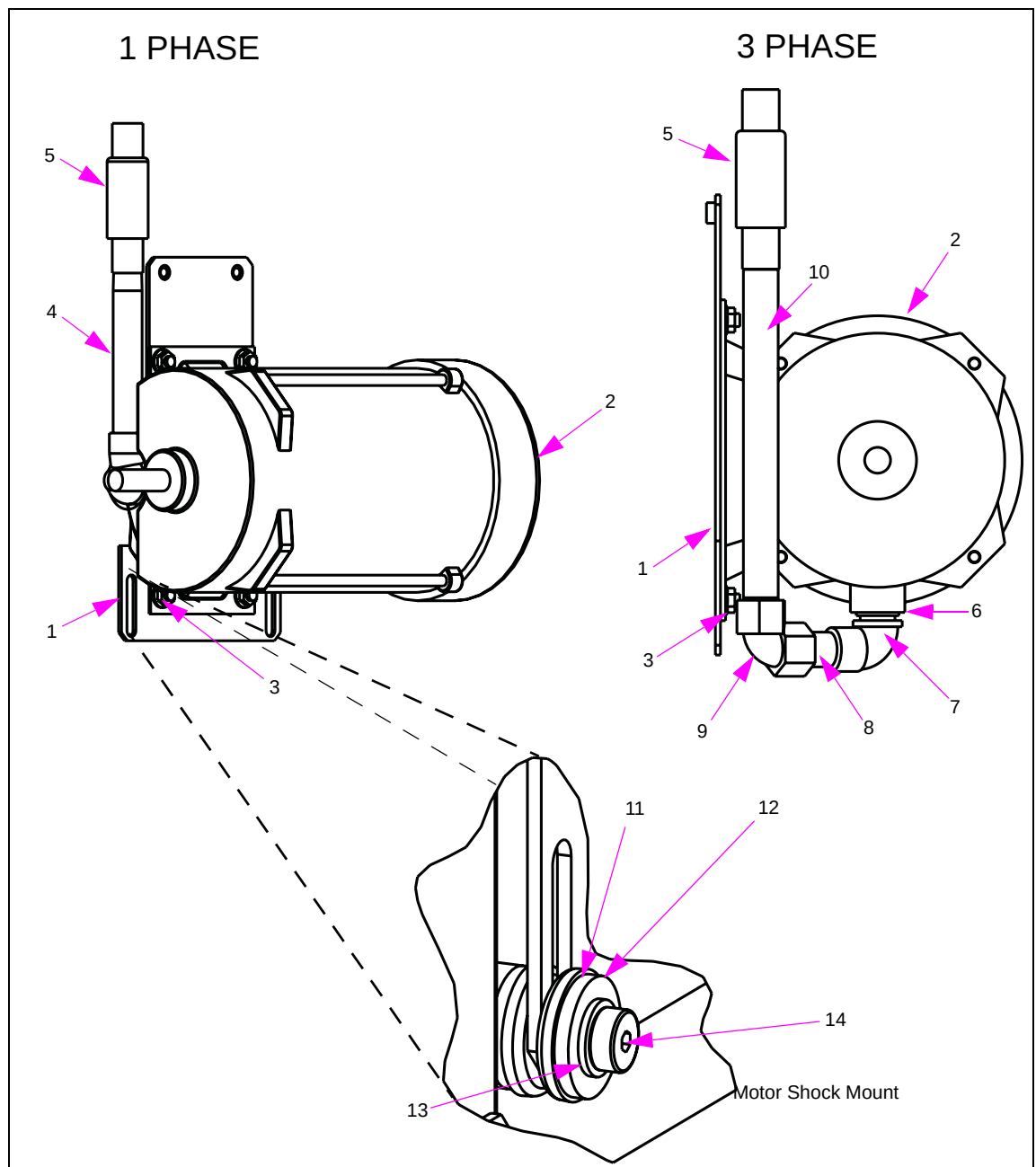
GPU Self-contained Pumping Unit



Item #	Description	Current Part	Previous Part	Quantity
1	GPU Pumping Unit	M04920B003	M04920B001	1 per Grade

Note: MDE-4447 GPU Service manual provides service and kit information.

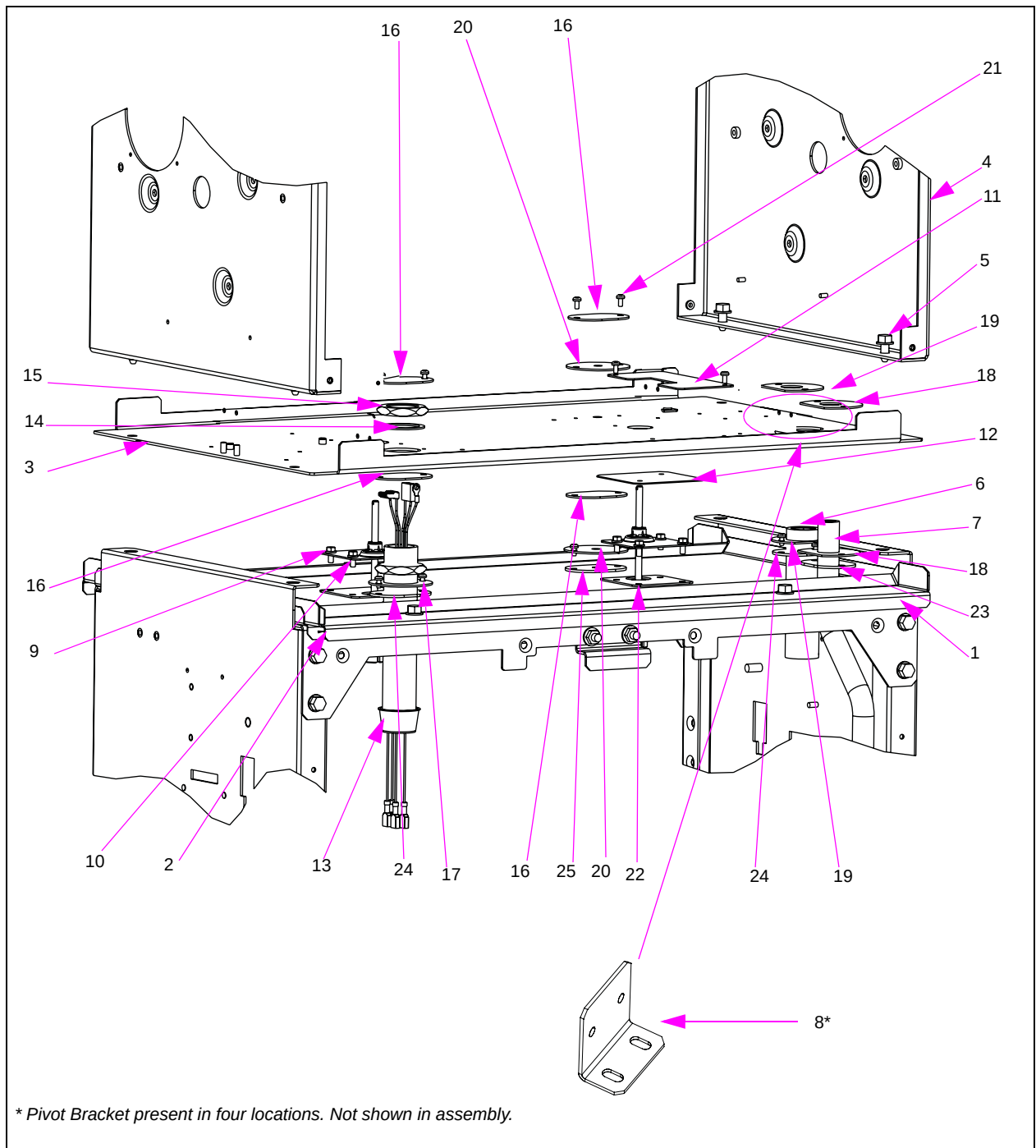
Self-contained Motors - 8700, 8800, 9100, 9840, 9852/53



Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Motor Plate	M04867A001	-	1
2	Motor 1 HP 115/230 V 1 PH 60 Hz	R14213-32	-	1
	Motor 1 HP 110/230 V 1 PH 50 Hz	R14213-33	-	1
	Motor 3/4 HP 220/380 V 3 PH 50/60 Hz	M01068B303	-	1
3	Nut, Metric, Hex Serrd Flg (M8)	M00414B003	-	4
4	Conduit Nipple 1/2 X 5-1/4	R11976-62	-	1
5	Expansion Union (Conduit)	N16289-22	-	1
6	Bushing 3/4 X 1/2	K49827	-	1
7	Elbow, St 1/2 X 90	K42448	-	1
8	Nipple, 1/2 X 1-3/4	R11976-44	-	1
9	Elbow, 1/2 X 90	K42428	-	1
10	Nipple, 1/2 X 9	R11976-72	-	1
Motor Shock Mounts				
11	Cup Washer	067735	-	4
12	Rubber Mount	037885	-	4
13	Flat Washer, M8	M00959B016	-	2
14	Metric Socket Head Shoulder Bolt	M04869B001	-	2

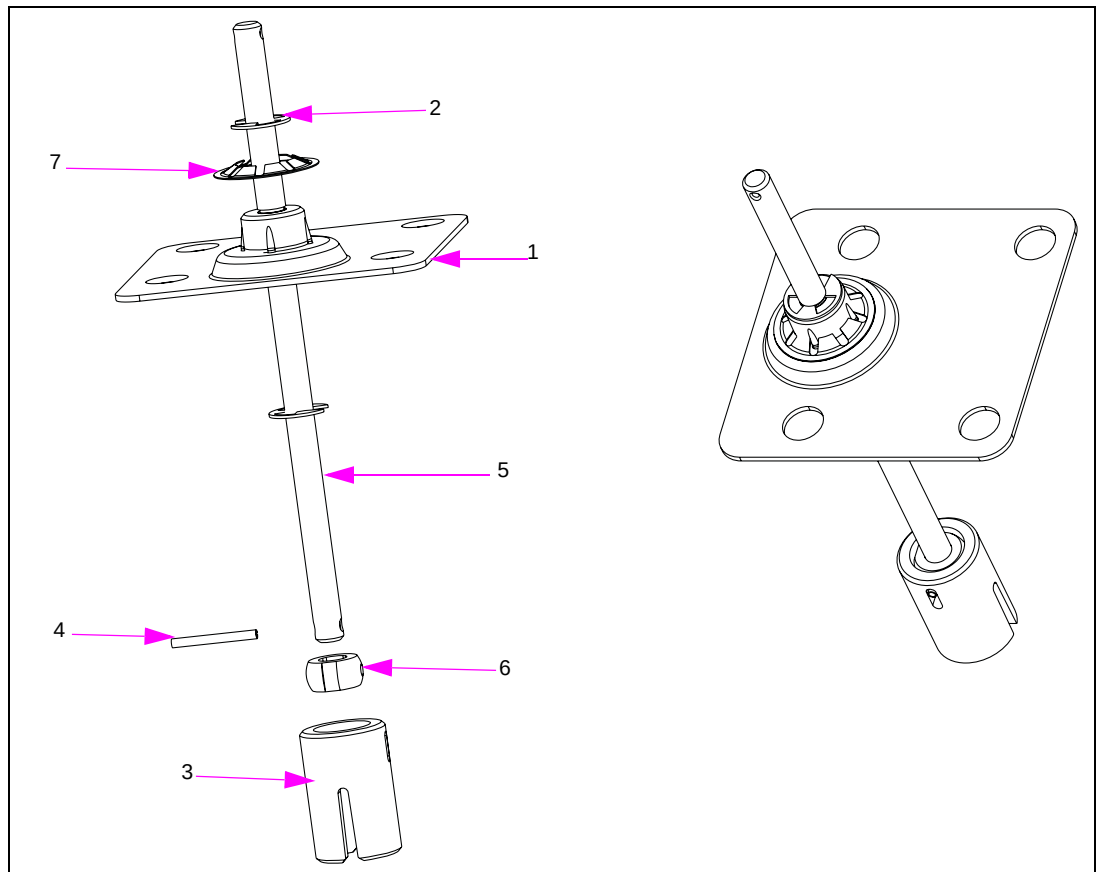
Air Gap - 8800, 9100, 9840, 9852/53

Air Gap Hardware and CD Module Housing



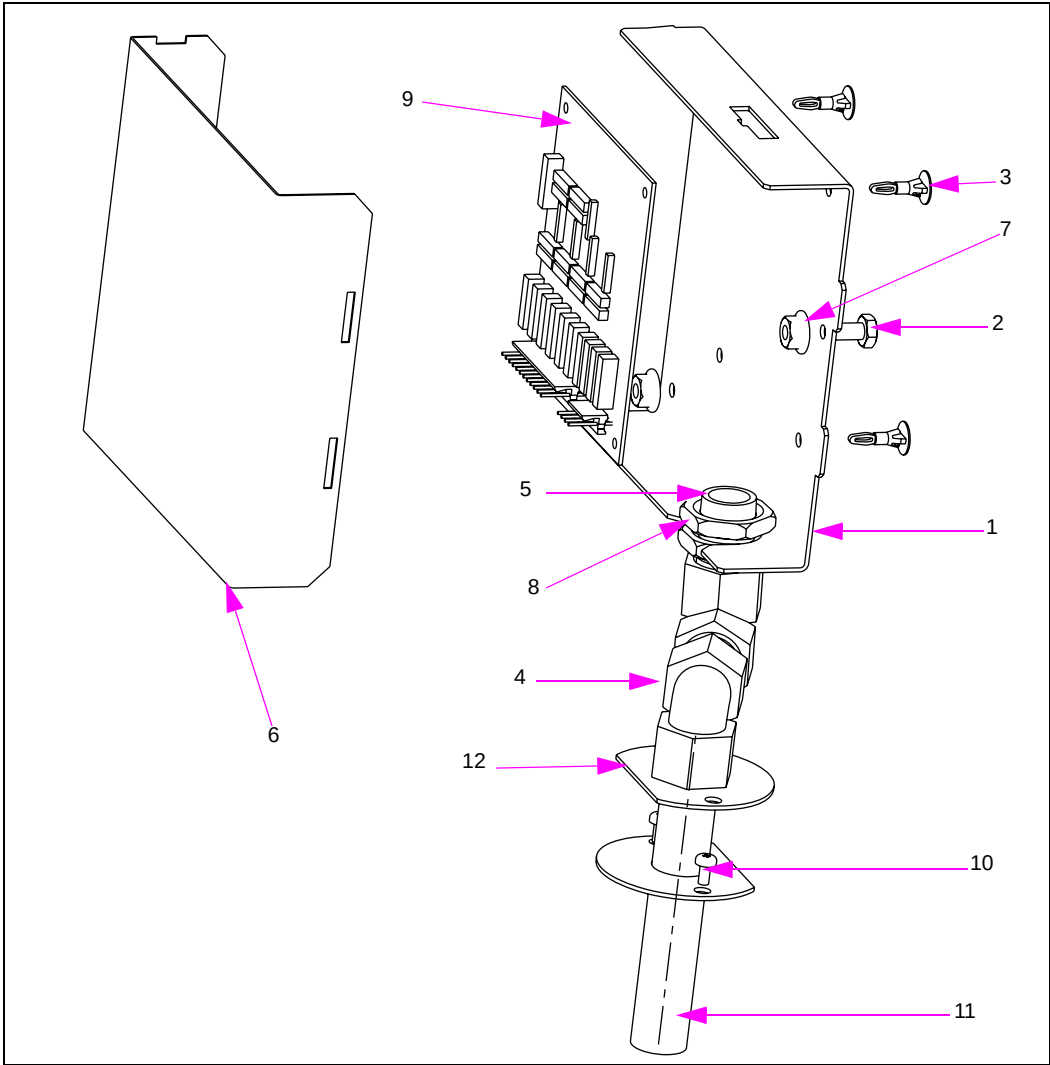
Item	Description	Part Number	Usage	Quantity
1	Lower Air Gap Plate	M04299B001	Comm Side-load Non-ATC, All Retail	1
	Lower Air Gap Plate	M04299B003	Comm Front-load and/or Comm ATC	
2	Rain Baffle Plate	M06690B001	all	2
3	Upper Air Gap Plate	M04461A001	Comm Side-load Non-ATC, All Retail	1
	Upper Air Gap Plate	M04461A002	Comm Front-load and/or Comm ATC	
4	Top Housing Assembly	M04483A001	all	1
5	Screw, M8 X 18 WH X HD	M00417B009	all	8
6	AC Conduit and Wire	M04850A006	Retail	1
	AC Conduit and Wire	M04850A008	Commercial	
7	DC Conduit and Wire	M05189A002	Retail and Commercial Pulse-out	1
	DC Conduit and Wire	M05189A004	All Canada Pulse-out	
	DC Conduit and Wire	M05189A006	RS-485	
8	Pivot Bracket	M04884B001	all	4
9	Lower Pulser Seal Assembly	M03023A002	all Single or Dual	1 or 2
10	Screw, M5 X 10 WH X HD	M00417B101	all Single or Dual	4 or 8
11	Upr Pulser Blanking Plate	M05083B001	all Single	1
12	Lwr Pulser Blanking Plate	M05244B001	all Single	1
13	I.S. Barrier	C06766	Commercial Front-load	1
14	Washer, 1.35 X 1.75 X 0.06	068446	Commercial Front-load	1
15	Conduit Nut	N23655-01	Commercial Front-load	2
16	Conduit Blanking Plate	N23746-01	Comm Front-load OR Comm ATC	2
17	Conduit Seal Washer	N23760-03	Commercial Front-load	1
18	Conduit Seal Washer	N23760-04	all with Pulse-out or RS-485	2
19	Conduit Seal Washer	N23760-06	all	2
20	Conduit Seal Washer	N23760-07	Commercial ATC	2
21	Screw, M4 X 8 PN HD	M00417B224	all	
22	Pulser Drive Gasket	M03081B001	all Canada Single or Dual	1 or 2
23	Conduit Seal Gasket	N23761-01	all Canada Pulse-out or RS-485	1
24	Conduit Seal Gasket	N23761-03	all Canada or Canada Front-load	1 or 2
25	Conduit Seal Gasket	N23761-04	Commercial Canada ATC	1

Lower Pulser Seal Assembly - 8800, 9840, 9852, 9853



Item #	Description	Current Part	Previous Part	Quantity
Assembly, Lower Pulser Seal		M03023A001	-	1
1	• Assembly Plate Lower Pulser	M03015A002	-	1
2	• Fastener Push-on Prong - Slotted	M03025B001	-	1
3	• Link, Pulser Drive	M00136B002	-	1
4	• Roll Pin 5/64 X 3/4 SSTL	K78378-47	-	1
5	• Shaft Pulser	M00137B004	-	1
6	• Swivel Ball	K93546	-	1
7	• Truarc Retaining Ring	K76238-22	-	2

Retail Front-load Activation Assembly



Item #	Description	Current Part	Previous Part	Quantity
Retail Front-load Activation Assembly		M06050A001	-	1
1	• Base, I.S. Barrier Encore Ultra High	M05860B001	-	1
2	• Bolt, 1/4-20 X 1/2 HHC	K05287	-	2
3	• Circuit Board Support	Q10651-29	-	4
4	• Conduit Elbow 1/2	025030	-	2
5	• Conduit Nipple 1/2 X 1-1/2	R11976-42	-	2
6	• Cover, I.S. Barrier	M05861B001	-	1
7	• Nut Hex Flanged 1/4 - 20	Q11890-04	-	2
8	• Lock Nut, 1/2 NPT Machined	K89681	-	2
9	• PCA, I.S. Barrier	T19301-G1	-	1
10	• Screw, Tf, PPHD M4 X 8	M00417B224	-	2
11	• Conduit and Cable Assembly	M05969A002	-	1
12	• Washer, Conduit Seal	N23760-04	-	2

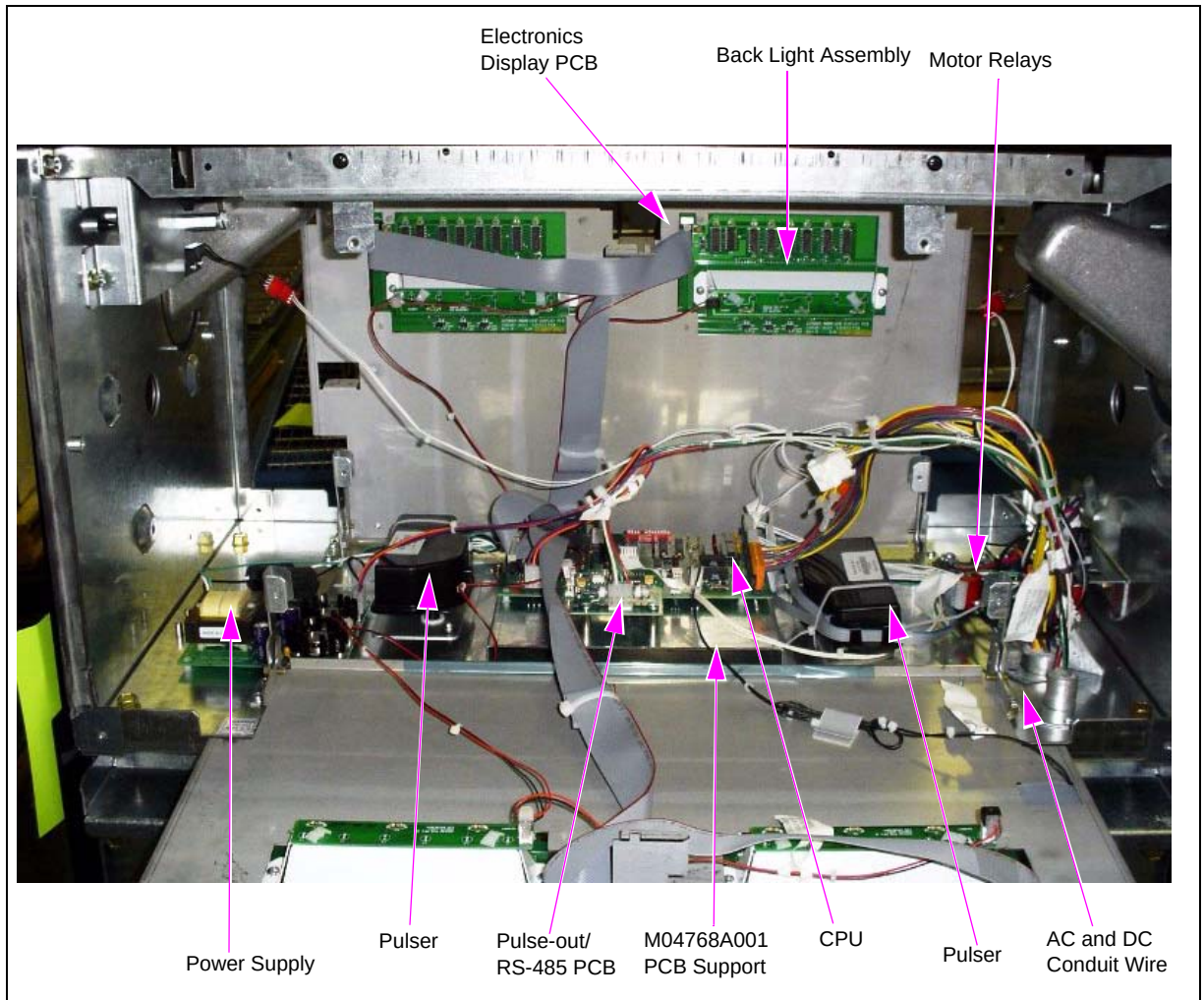
Software Kits

Dispenser or Pump	Type	Conversion Factor	PCB Used on	Software
Electronic Commercial Units	Standard 9800K	Gallons	M05346A002 CPUs, M05346A004 CPUs, M06333A001 CPUs	M03946K001
	Standard 9800K	Liters		M03946K002
	Standard 9800K	Imperial Gallons		M03946K003
	Super-Hi 9840K	Gallons		M03946K004
	Super-Hi 9840K	Liters		M03946K005
	Super-Hi 9840K	Imperial Gallons		M03946K006
	Ultra-Hi 9850K	Gallons	M06333A001	C06426K9850G
	Ultra-Hi 9850K	Liters		C06426K9850L
	Ultra-Hi 9850K	Imperial Gallons		C06426K9850M
Electronic Commercial Units	Standard 9800K (Models: 9852K, 9853K)	Selectable at M06333KXXXX CPU	M06333K9800K CPU	M06656K001*
	Ultra-Hi 9850 (Models: 9850A/Q, 9850K)		M06333K9850 CPU	M06656K002*
	Super-Hi 9840K (Model: 9840K)		M06333K9840K CPU	M06656K003*
	Standard 9800Q (Models: 9852A/Q, 9853A/Q, 9822A/Q, 9823A/Q/K)		M06333K9800AQ CPU	M06656K004*
	Super-Hi 9840Q (Model: 9840A/Q)		M06333K9840AQ CPU	M06656K005*
Electronic Retail Units	Standard 8800K	Programmable	-	K93682-G1
	Standard 8800K	Liters Only	-	K93682-G7
	8800K (With Pulse-out)	Programmable	-	Pre-released
	ATC Software	Programmable	-	K94160-01
*Atlas 9800 Serial EEPROM boards used for reprogramming M06333KXXXX CPU boards. Software kit M06656K100 contains parts of M06656K001 - K005 (one of each).				

This page is intentionally left blank.

Commercial Electronics Section

Commercial Front (Dual Depicted)



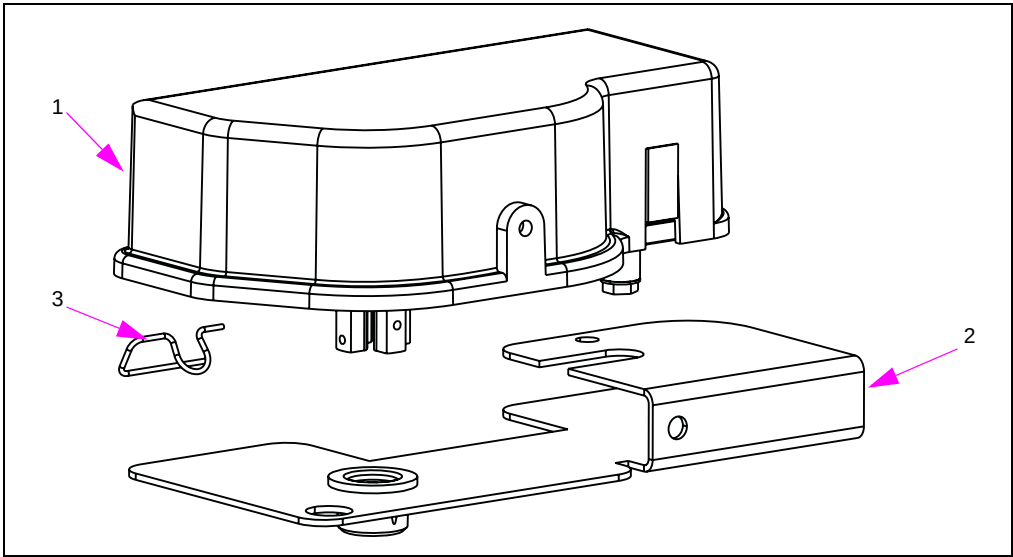
Base Electronics

Refer to “Commercial PCBs (Non-Ultra-Hi)” on page 59.

Power Supply

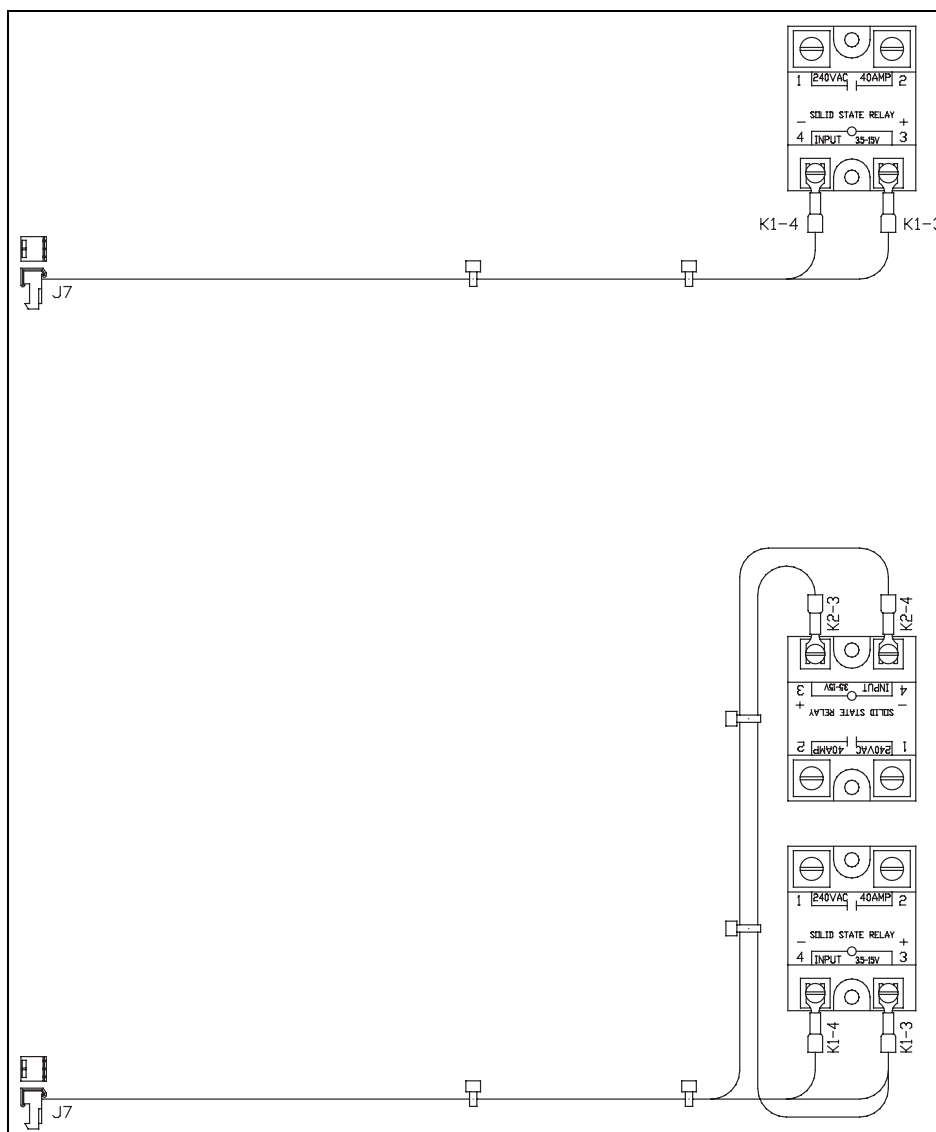
Refer to “Commercial PCBs (Non-Ultra-Hi)” on page 59.

Pulser Assembly



Item #	Description	Current Part	Previous Part	Quantity
1	Assembly, Pulser	M04011B001	-	1
2	Assembly, Pulser Supt Bracket	M04485A001	-	1
3	Spring Retainer Pulser Shaft	M01207B001	-	1

Motor Relays



Item #	Description	Current Part	Previous Part	Quantity
1	Motor Relay, Comm Single	M04956A008	M04956A004	1
2	Motor Relay, Comm Dual	M04956A009	M04956A005	1

Main AC Conduit and Wire Assembly

Refer to [“Commercial Cables”](#) on [page 65](#).

DC Conduit and Wire Assembly

Refer to “[Commercial Cables](#)” on [page 65](#).

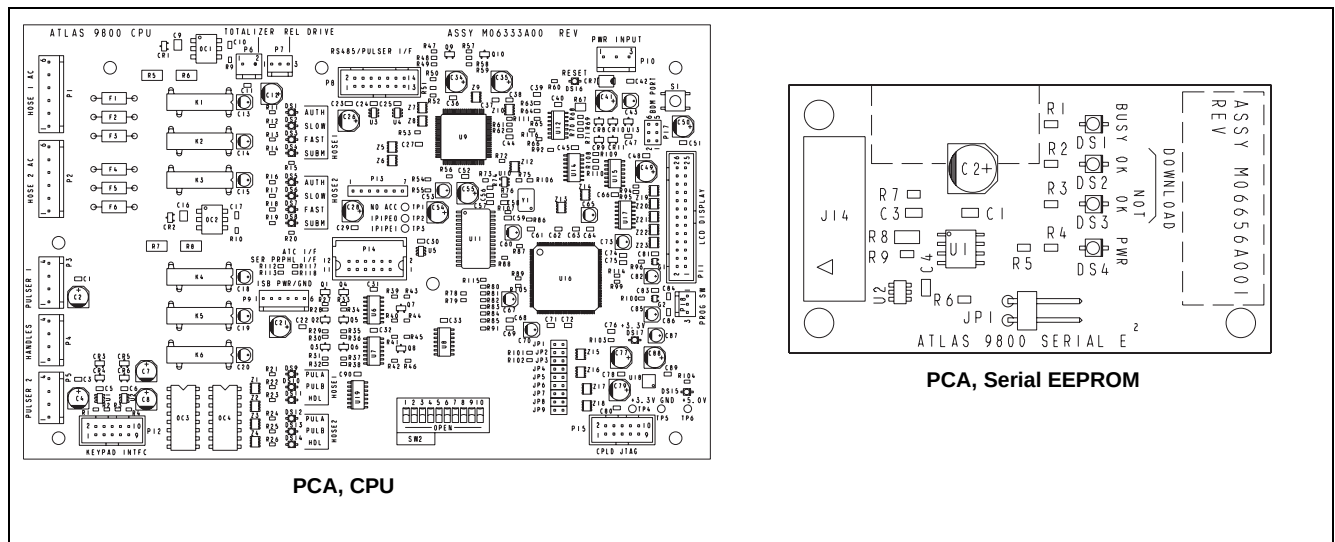
Electro-mechanical Totalizers

Refer to “[Commercial Cables](#)” on [page 65](#).

Commercial Printed Circuit Boards

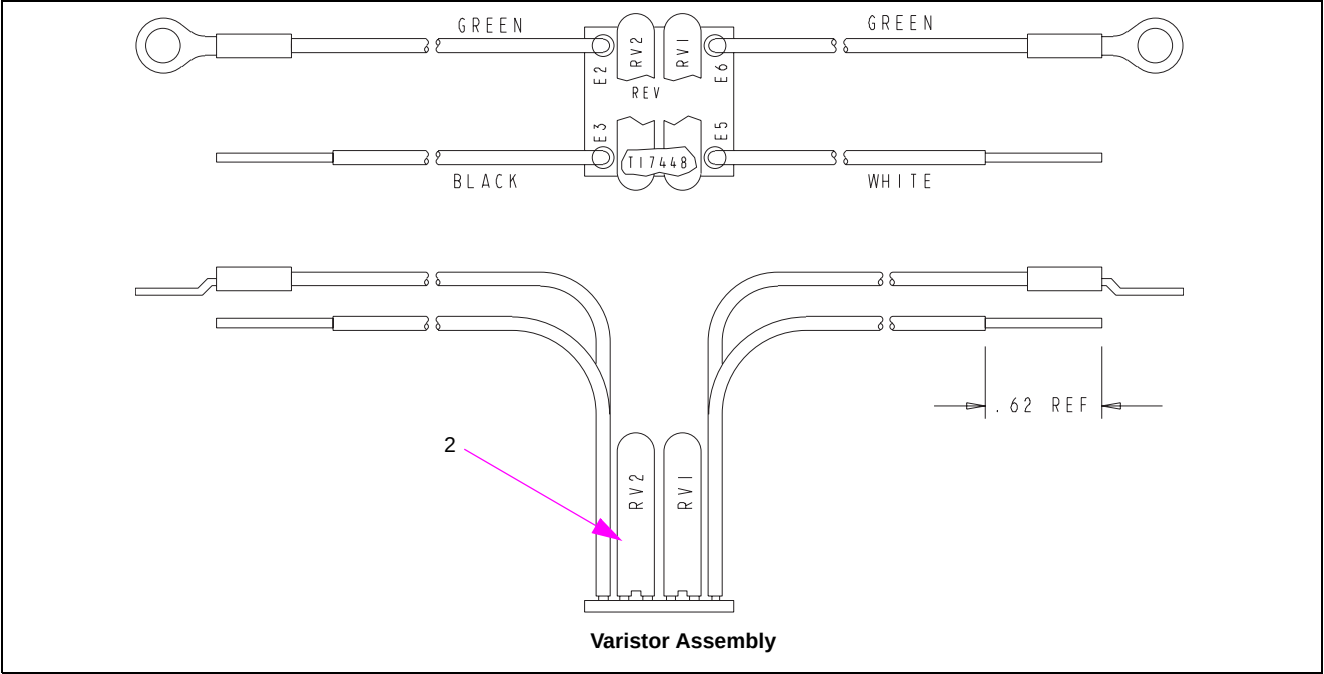
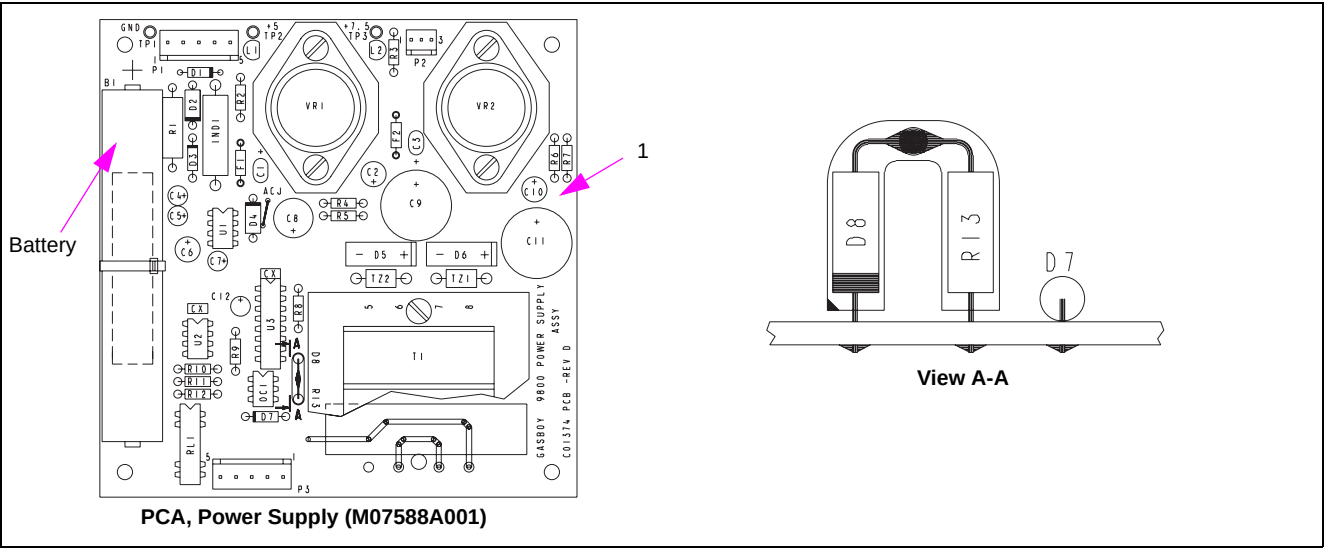
Commercial PCBs (Non-Ultra-Hi)

PCA (CPU and Serial EEPROM)



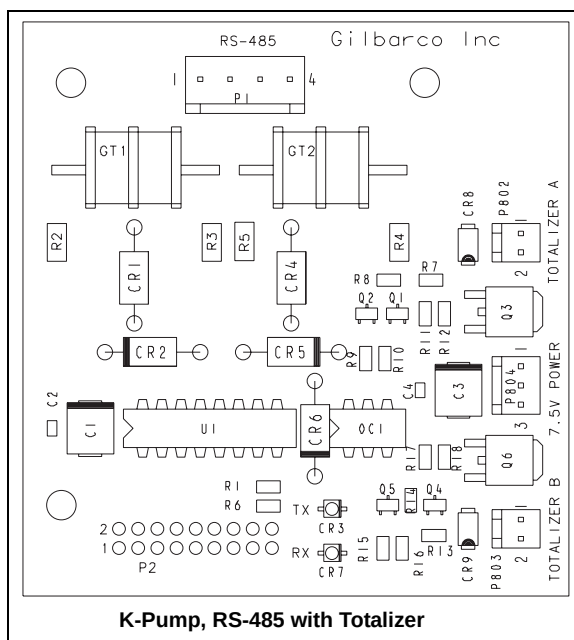
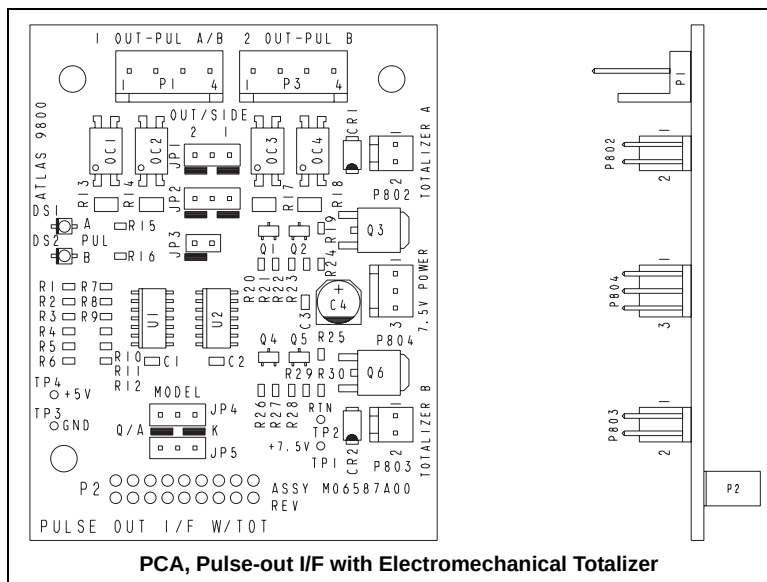
Part Description	Current Part	Previous Part	Quantity	Software Type
PCA, Atlas 9800 CPU, Dual, 115 V/230 V (See Notes 1, 2, 3)	M06333K9800K (Models: 9852K, 9853K)	M05346A001 - A004	1	Standard 9800K
	M06333K9840K (Model: 9840K)	M05346A001 - A004	1	Super-Hi 9840K
	M06333K9800AQ (Models: 9852A/Q, 9853A/Q, 9822A/Q, 9823A/Q/K)	M05346A001 - A004	1	Standard 9800Q
	M06333K9840AQ (Models: 9840A/Q)	M05346A001 - A004	1	Super-Hi 9840Q
PCA, Atlas 9800 Serial EEPROM (Reprogramming Card for M06333KXXXX CPU PCA) (See Note 4)	M06656K001	N/A	1	Standard 9800K
	M06656K003		1	Super-Hi 9840K
	M06656K004		1	Standard 9800Q
	M06656K005		1	Super-Hi 9840Q
Notes: 1. M06333KXXXX requires an Atlas 9800 Power Supply M07588A00X. 2. The only difference between the Atlas 9800 CPU boards (M06333KXXXX) is the software type. 3. M06333KXXXX requires ATC kit M08018K001 (for models 9850A/Q, 9850K, 9852A/Q, 9853A/Q, 9840A/Q where ATC is present). 4. Software kit M06656K100 contains parts of M06656K001 - K005 (one of each).				

Commercial Power Supply

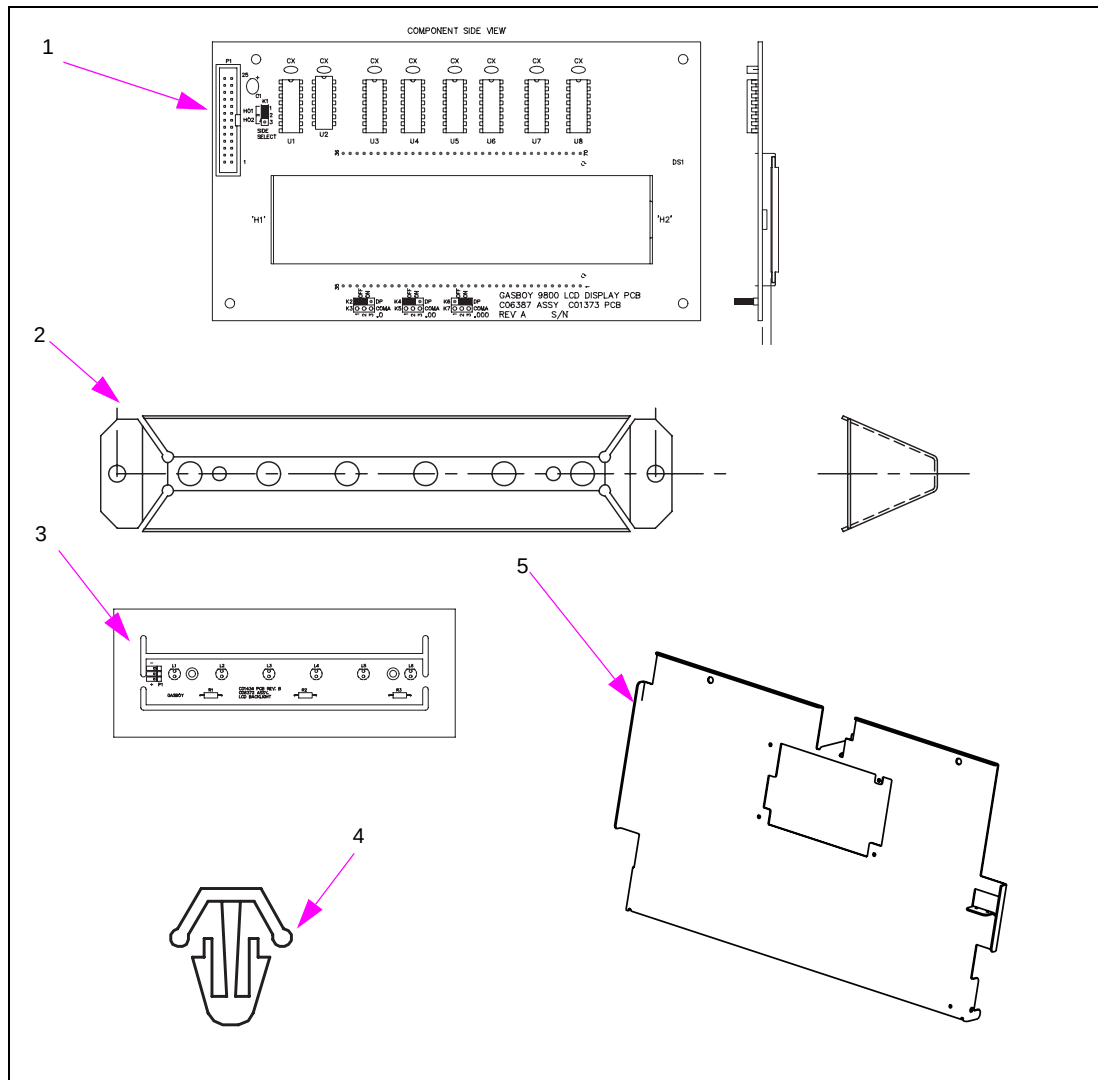


Item #	Part Description	Current Part	Previous Part	Quantity
1	PCA, Atlas 9800 Power Supply, 115 V w/Battery	M07588A001	C06397	1
	PCA, Atlas 9800 Power Supply, 115 V w/o Battery	M07588A002	C06396	1
	PCA, Atlas 9800 Power Supply, 230 V w/Battery	M07588A003	C06489	1
	PCA, Atlas 9800 Power Supply, 230 V w/o Battery	M07588A004	C06488	1
2	Varistor Assembly, 115 V	T17448-G1	-	1
	Varistor Assembly, 230/380 V	T17448-G3	-	1

Pulse-out I/F/RS-485 I/F

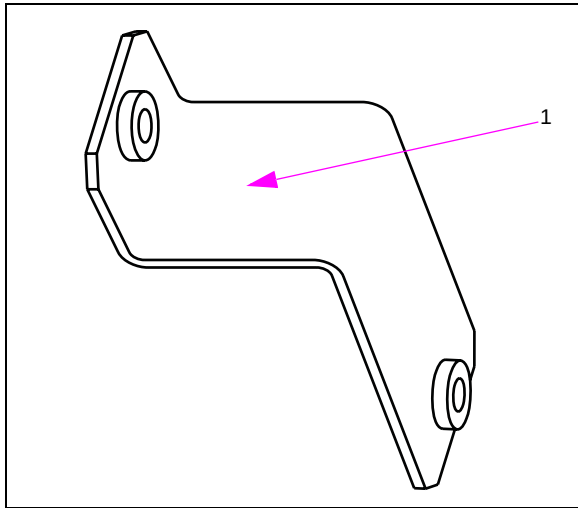


Item #	Part Description	Current Part	Previous Part	Quantity
1	PCA Atlas 9800, Pulse-out I/F (Dual Common/Distinct Outputs, Two Dual Common Outputs) with Electromechanical Totalizer	M06587A001	M05158A001 (Dual Distinct Outputs) M05158A002 (Dual Common Outputs) and M05158A003	1
2	PCA, K-Pump, RS-485 with Totalizer	M05248A001	-	1



Item #	Part Description	Current Part	Previous Part	Quantity
1	PCB Assembly LCD Display	C06387	-	1
2	Reflector-LCD Backlight 9	C35399	-	1
3	PCB Assembly LED Sale Backlight	C06372	-	1
4	Mounting Button	C09701	-	2
5	Panel, PC Board Supt (Used on Commercial Single only)	M05045B001	-	1
	Panel, PC Board Supt (Used on Commercial Dual only)	M05044B001	-	1

Display Panel Stop Bracket



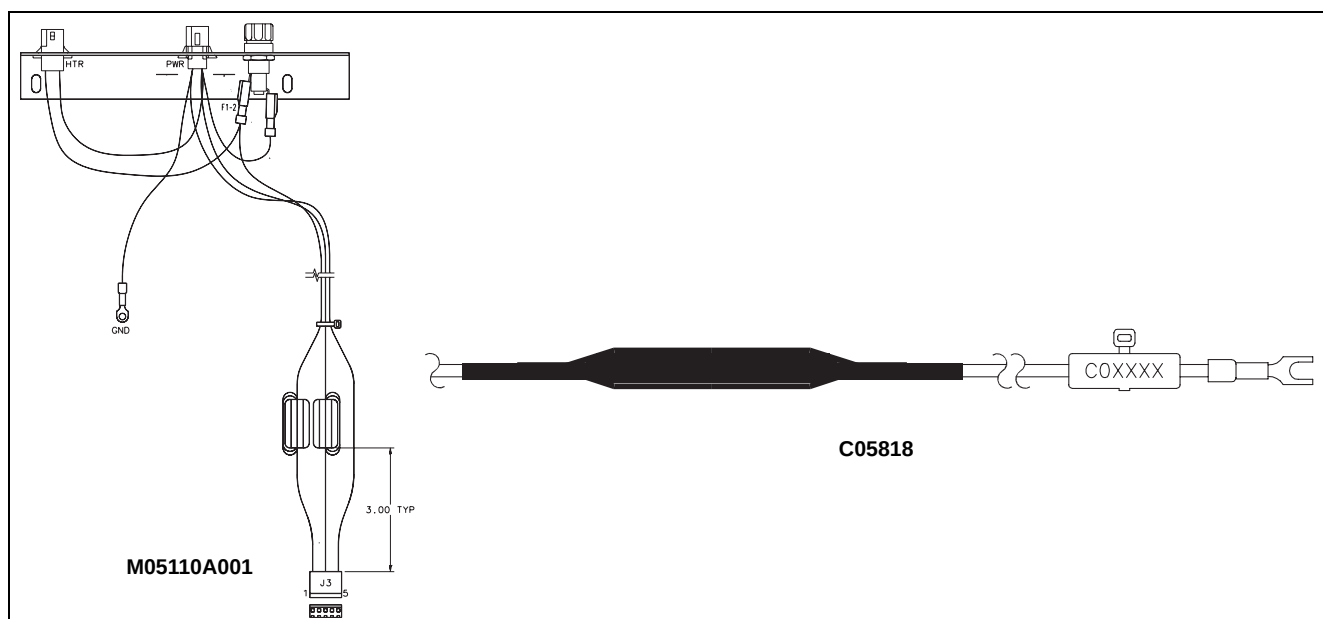
Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket, PC Board Support	M05611A002	M05611A001	1

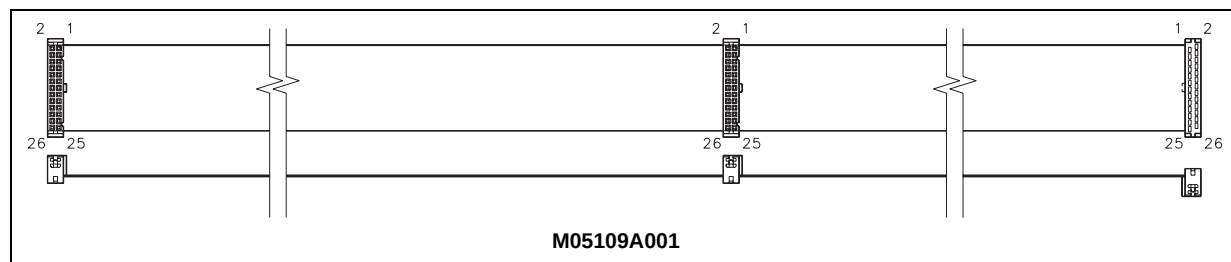
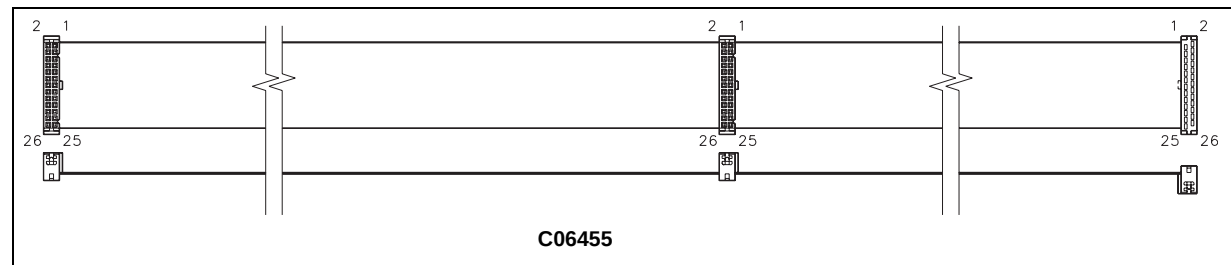
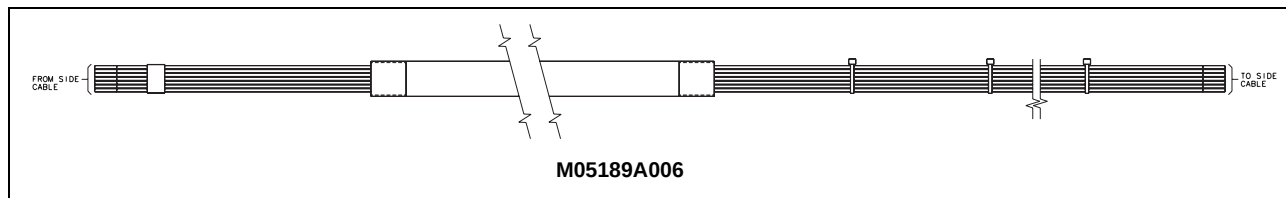
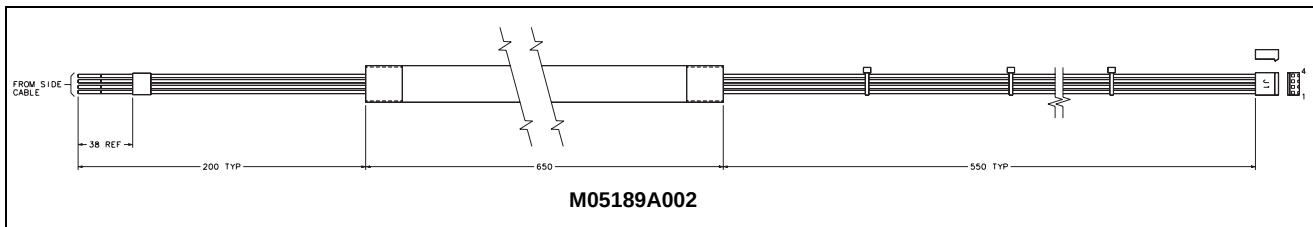
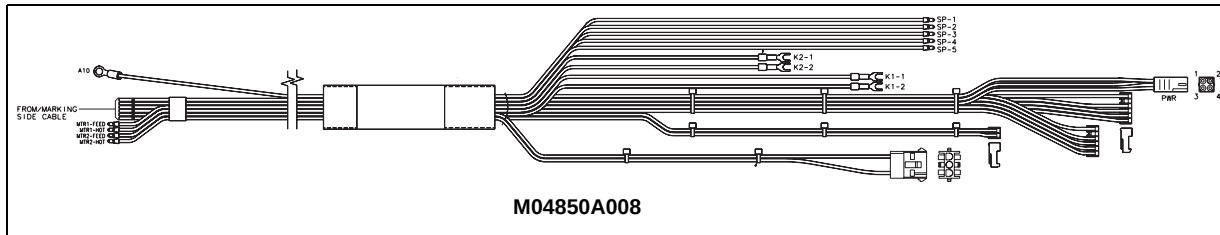
This page is intentionally left blank.

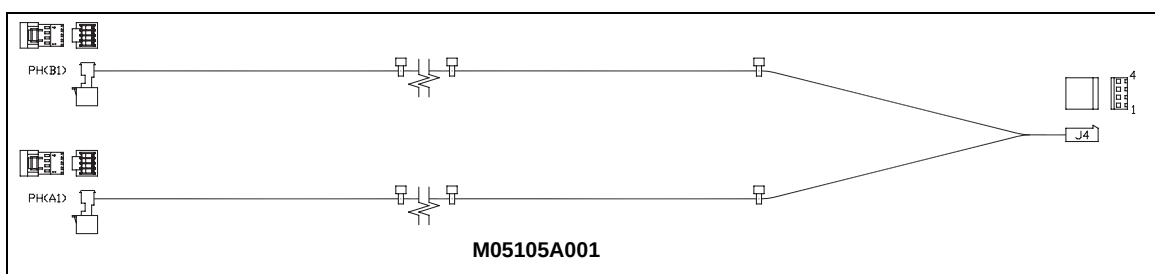
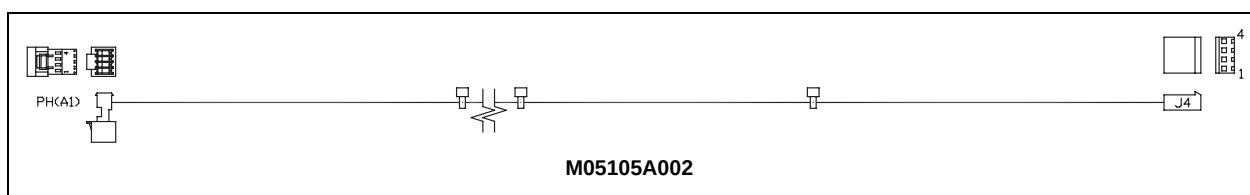
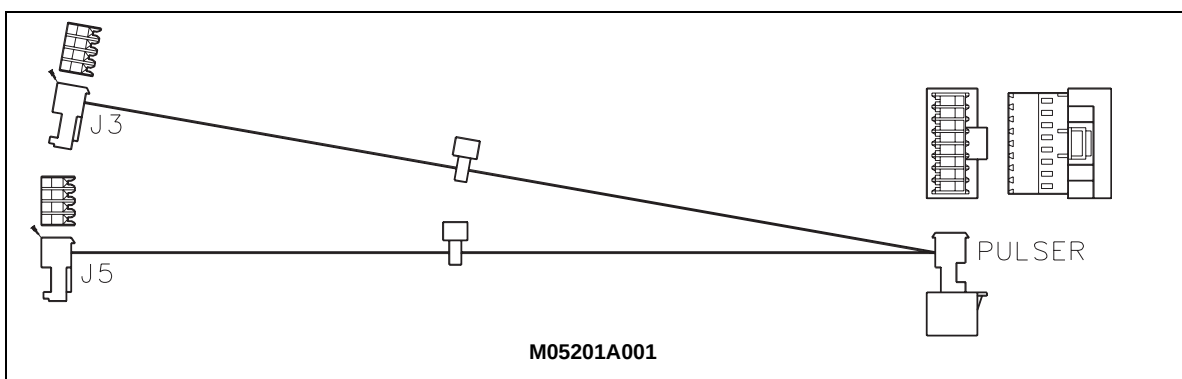
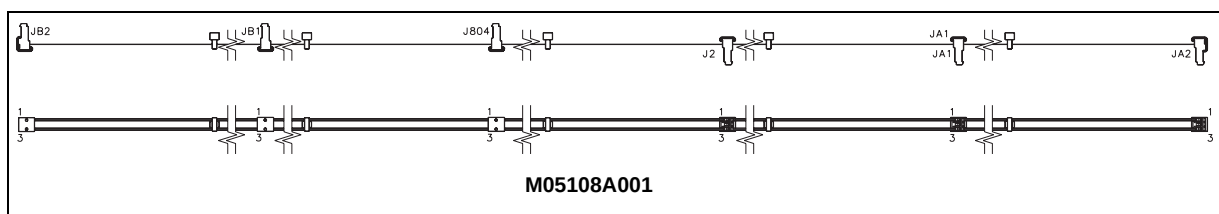
Commercial Cables

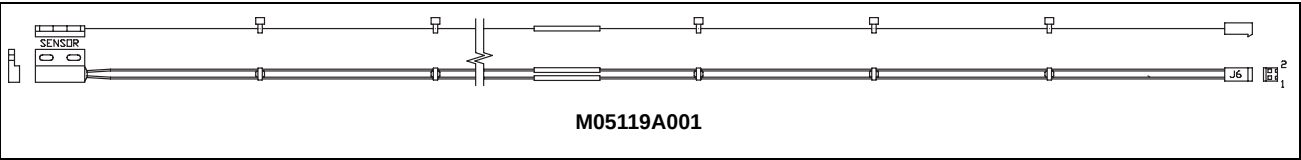
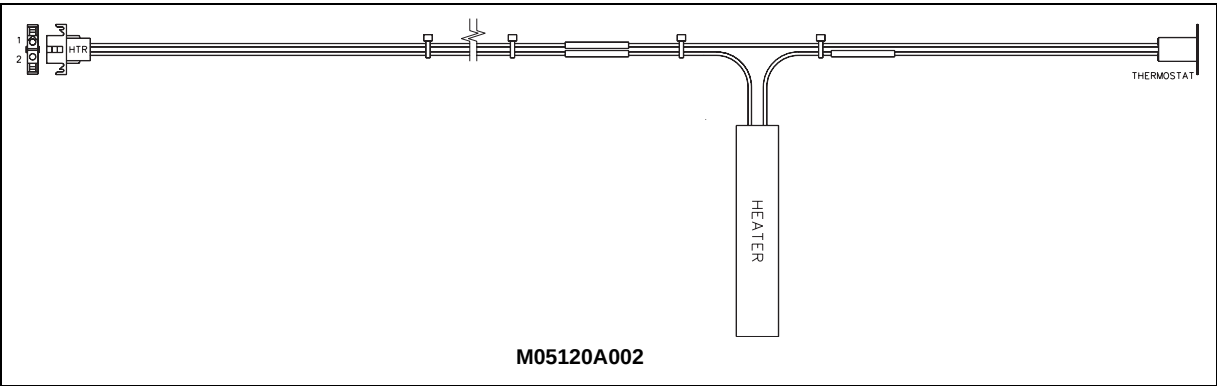
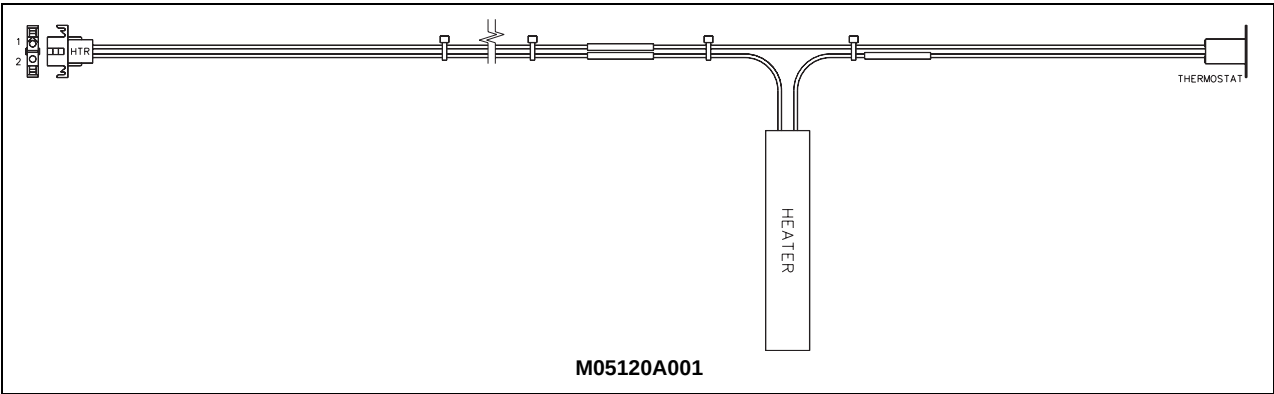
Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for cable block diagram.

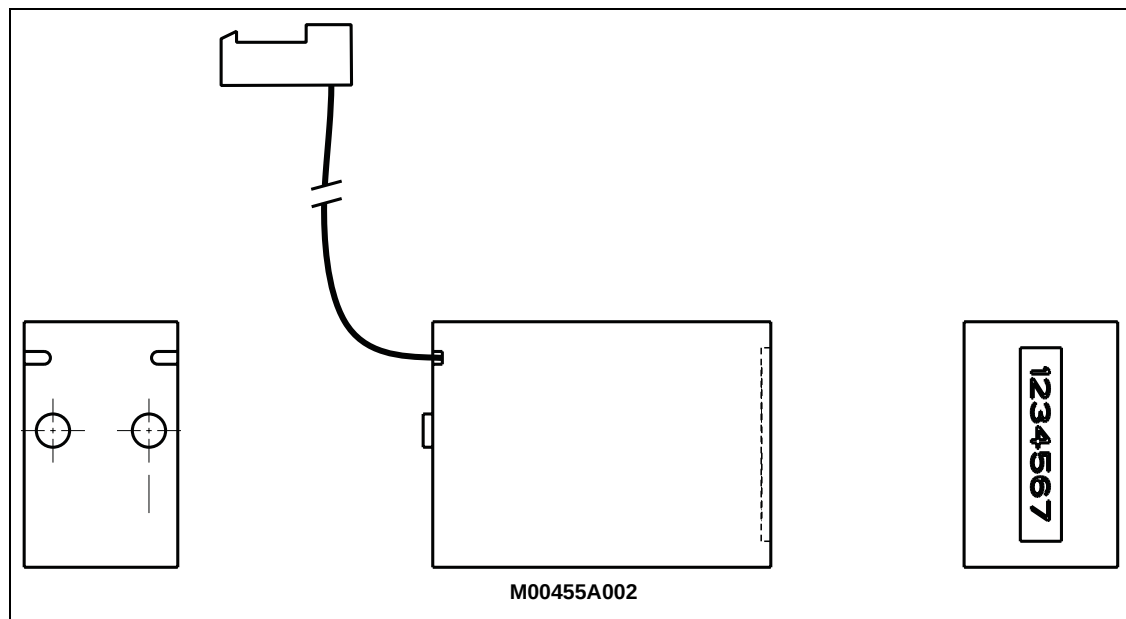
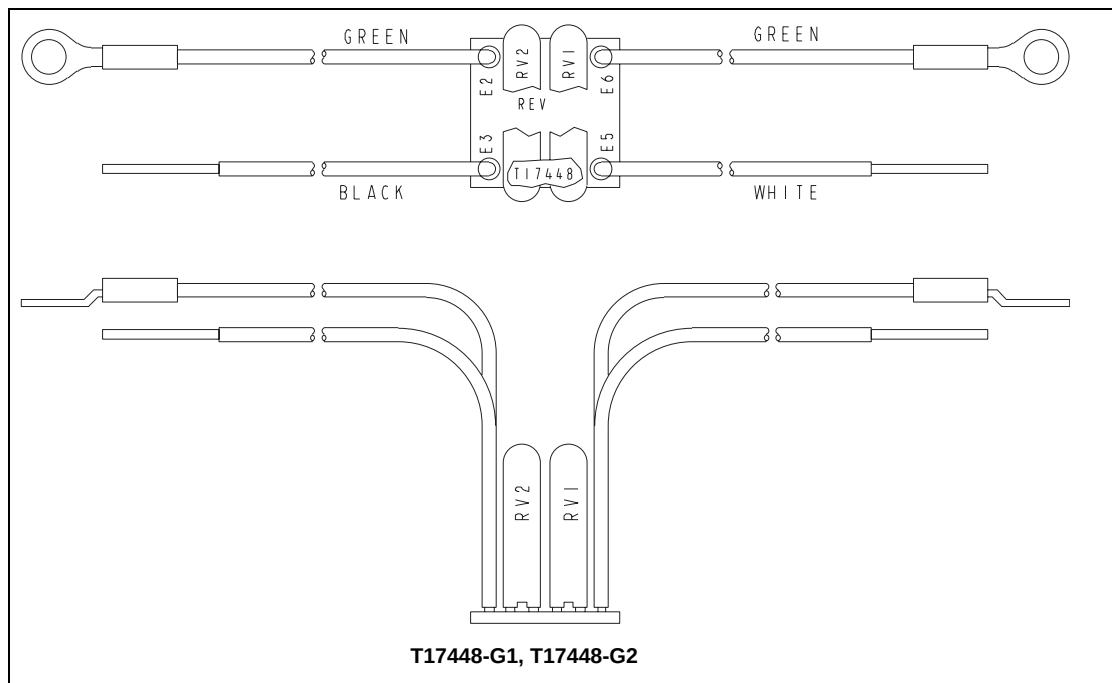
Part Description	Current Part	Previous Part
AC Fuse Cable Assembly	M05110A001	-
Main AC Power Cable Assembly	M04850A008	-
DC Power Cable Assembly, Pulse-out/RS-485	M05189A002	-
DC Power Cable Assembly, Dispenser Mount TopKAT	M05189A006	-
Display Cable, Single	C06455	-
Display Cable, Dual	M05109A001	-
Backlight Power Cable	M05108A001	-
Pulser Adapter Cable	M05201A001	-
Handle Switch Cable, Single	M05105A002	-
Handle Switch Cable, Dual	M05105A001	-
Heater Cable, 115 V	M05120A001	-
Heater Cable, 230 V	M05120A002	-
Authorization Cable (10 W Power Resistor Assembly), 115 VAC	C05818	-
Totalizer ATC Sensor Cable	M05119A001	-
Varistor, 115 V	T17448-G1	-
Varistor, 230 V	T17448-G3	-
Electro-Mechanical Totalizer	M00455A002	-
Display Panel Ground Cable Assembly	C06454	-
I.S Barrier, Front-load	C06766	-
Magnet, Actuator (<i>Not Shown</i>)	Q12514-02	-

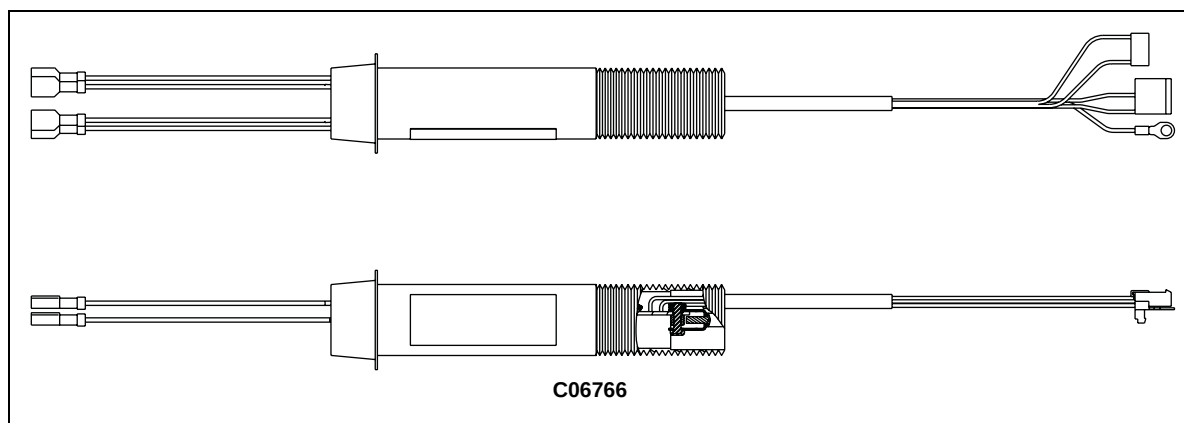
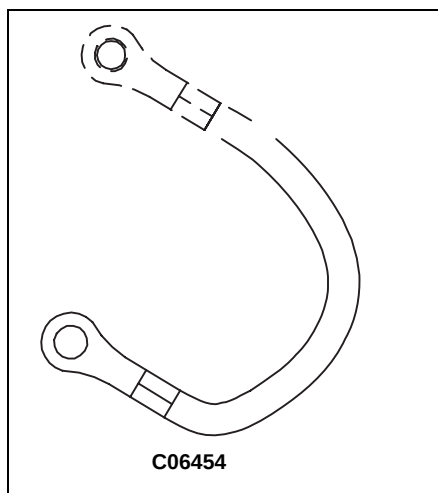






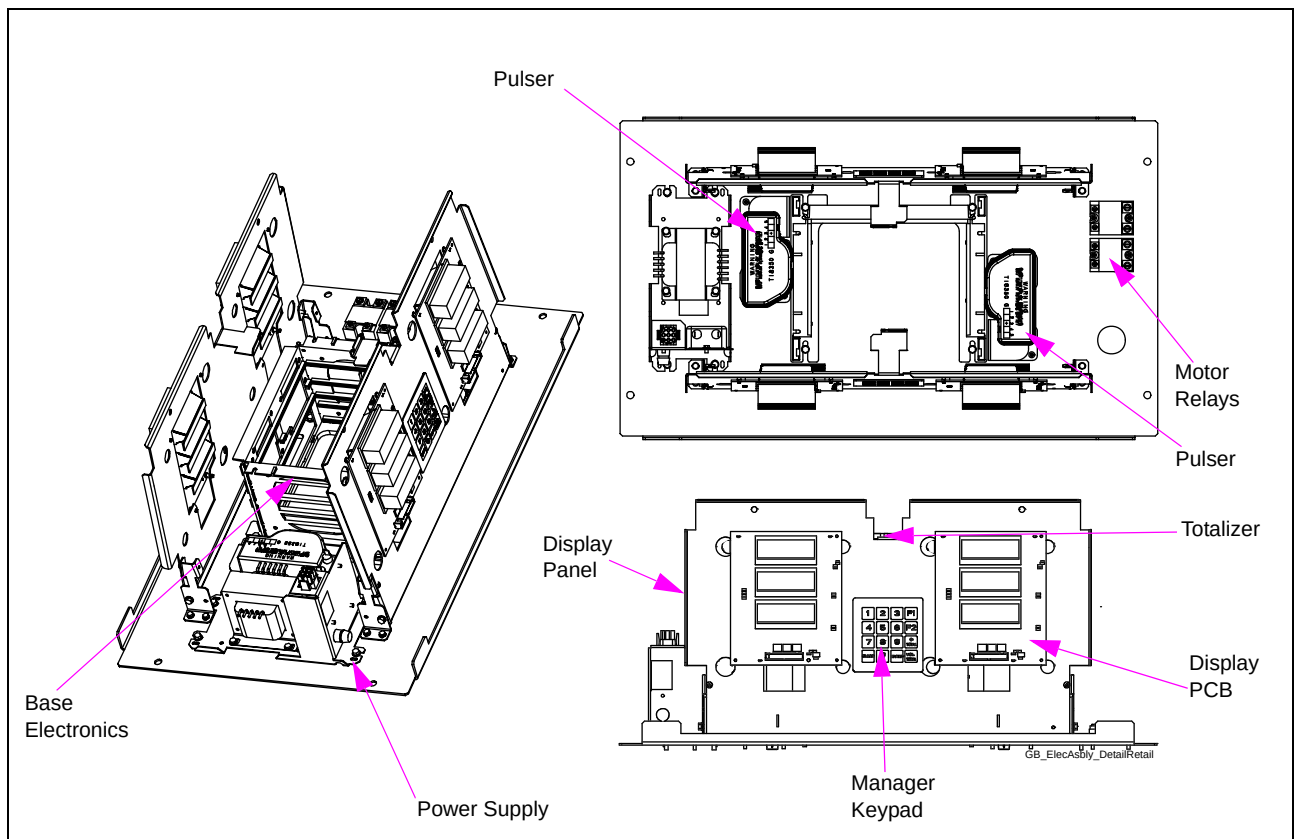




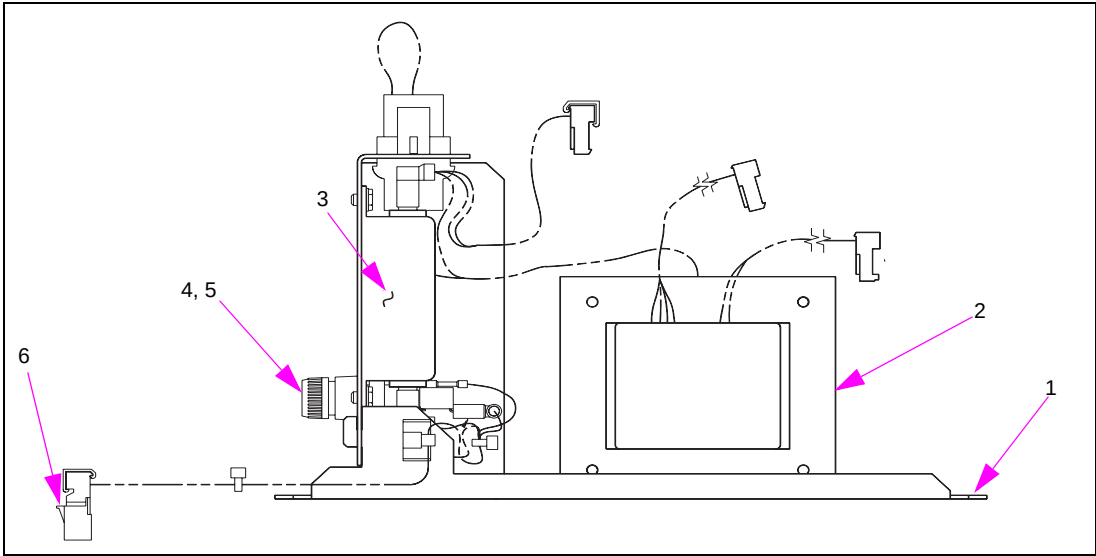


Retail Electronics Section

Retail Electronics Assembly - CD Module

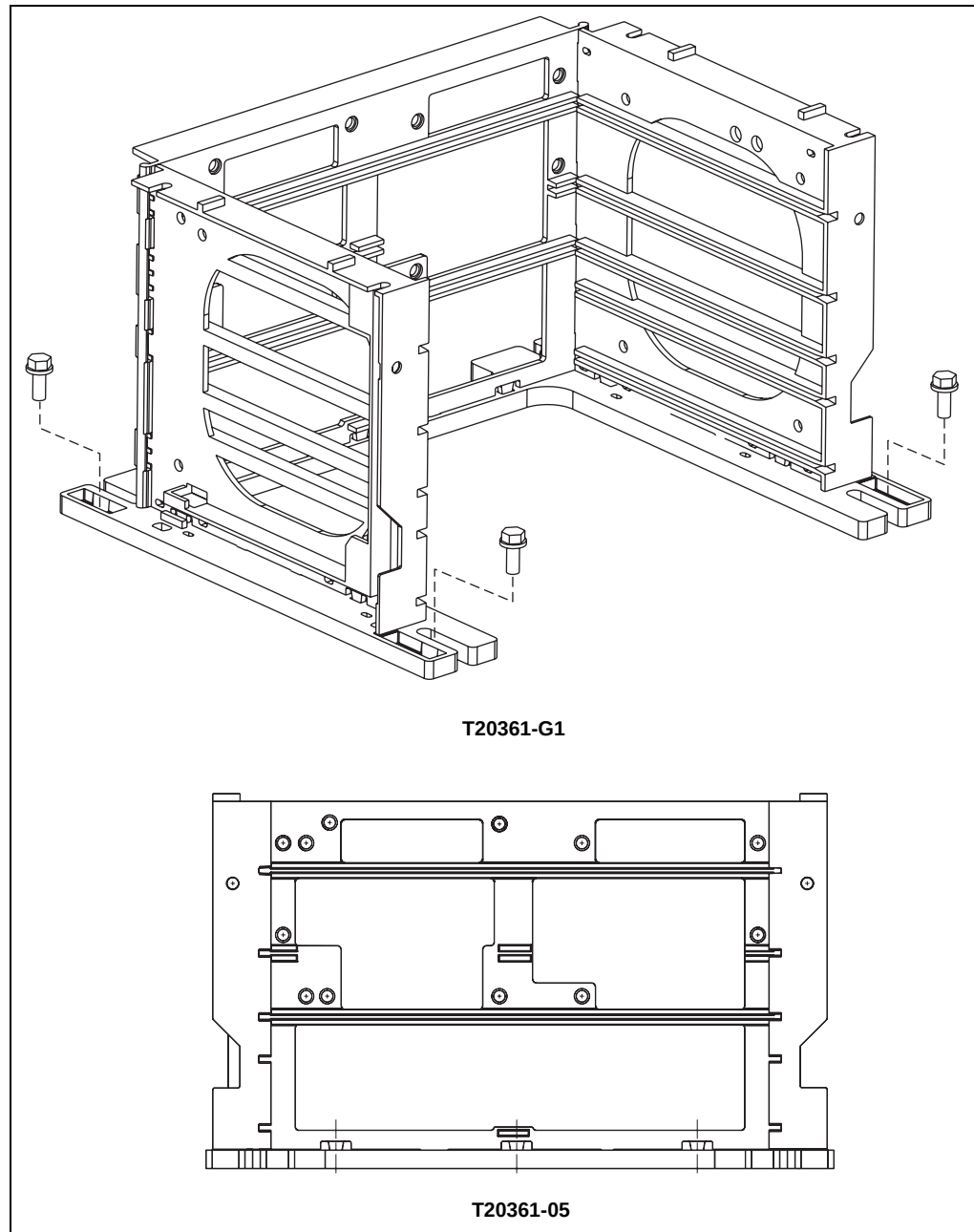


Power Supply



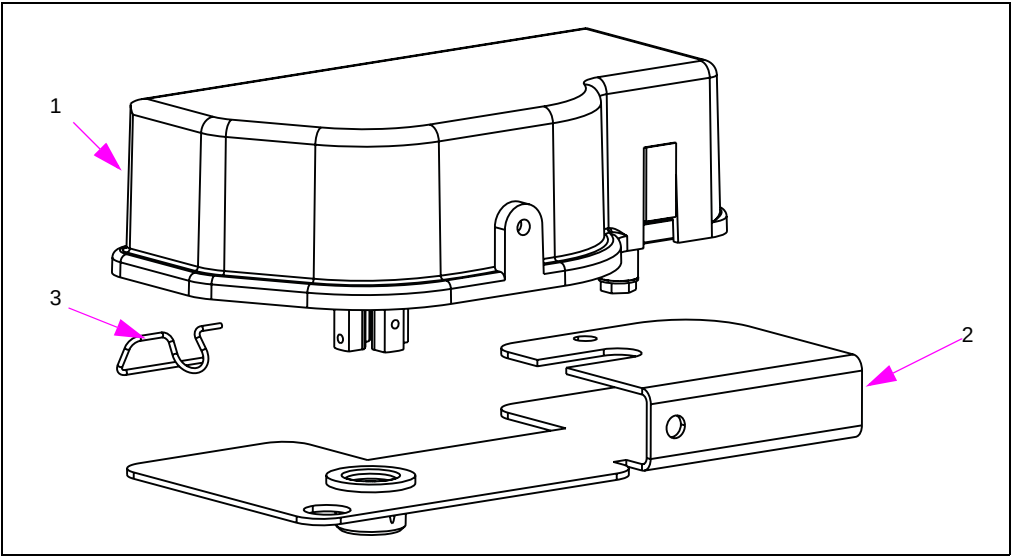
Item #	Part Description	Current Part	Previous Part	Quantity
Power Supply Assembly		T19868-G1	-	1
1	• Bracket, Power Supply	T19696-01	-	1
2	• Transformer, Sub-assembly	R20333-G1	-	1
3	• Filter	Q10895-07	-	1
4	• Fuse Holder Assembly	Q11781-01	-	1
5	• Fuse 3 A, 250 SB	Q10131-03	-	1
6	• Cable, Power Supply	R20283-G1	-	1
Not shown				
7	Varistor Assembly	Refer to "Retail Cables" on page 85		
8	Voltage Select Plug	Refer to "Retail Cables" on page 85		

Card Cage Assembly



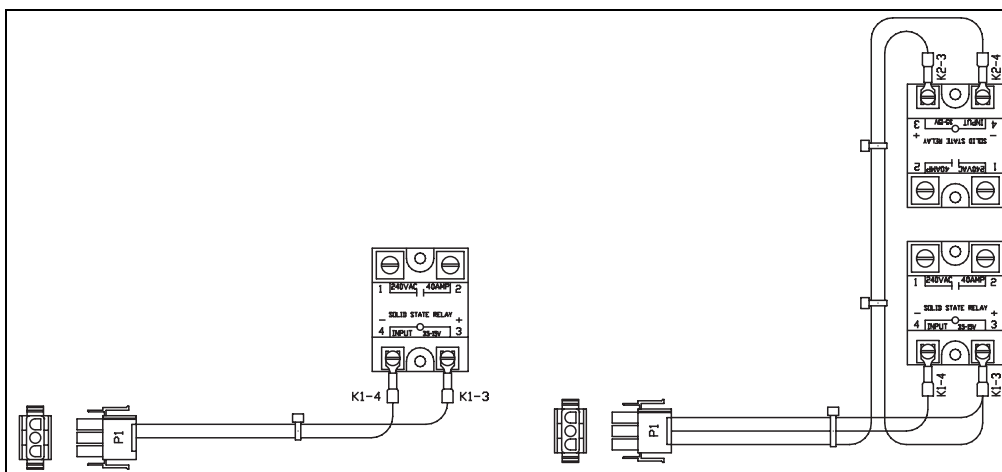
Item #	Part Description	Current Part	Previous Part	Quantity
1	Card Cage Assembly, Plastic	T20361-G1	-	1
2	Front Bracket	T20361-05	-	1

Pulser Assembly



Item #	Description	Current Part	Previous Part	Quantity
1	Assembly, Pulser	T18350-G3	-	1
2	Assembly, Pulser Supt Bracket	M04485A001	-	1
3	Spring Retainer Pulser Shaft	M01207B001	-	1

Motor Relays



Item #	Description	Current Part	Previous Part	Quantity
1	Motor Relay, Retail Single	M04956A006	M04956A001	1
2	Motor Relay, Retail Dual	M04956A007	M04956A002	1

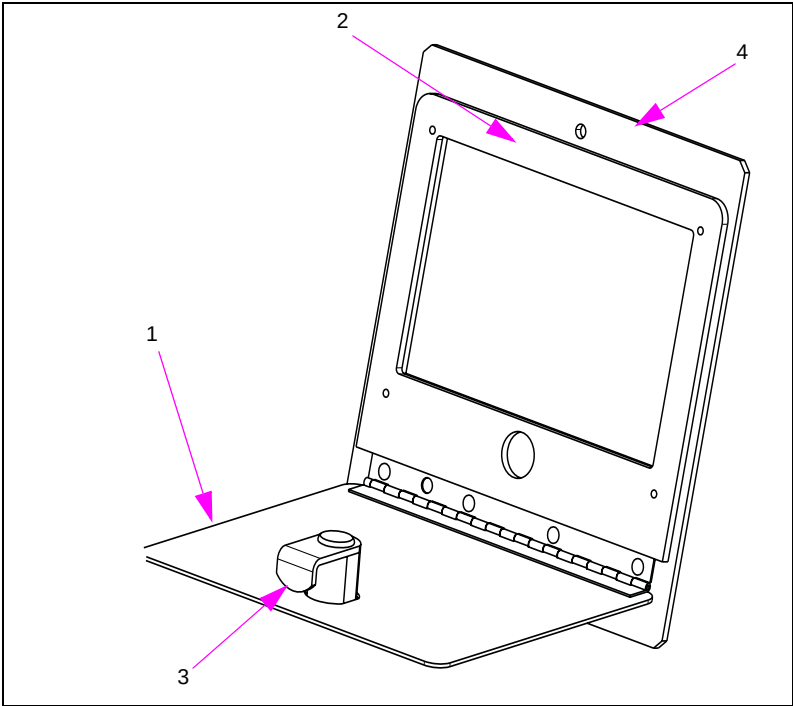
Main AC Conduit and Wire Assembly

Refer to [“Standard Cables”](#) on [page 85](#).

DC Conduit and Wire Assembly

Refer to [“Pulse-out/RS-485 Option”](#) on [page 91](#).

Keypad Assembly



Item #	Part Description	Current Part	Previous Part	Quantity
Keypad Access Door Assembly		M07851A001	-	1
1	• Door Keypad Access, Black	R15186-G2**N1	-	1
2	• Gasket, Door	R15181	-	1
3	• Cylinder Lock	Q12928-02	-	1
4	• Mounting Hinge Plate	M04808B001	-	1

Electro-mechanical Totalizers

Refer to “[Standard Cables](#)” on [page 85](#).

Retail Printed Circuit Boards

Electronic Retail PCBs

Part Description	Where Used	Current Part	Previous Part	Quantity
PCA, Pump Interface	1, 2, 3, 4	T18994-G1	-	1 per unit
PCA, Pump Controller	1, 2, 3, 4	T20092-G1	-	1 per unit
PCA, Optimum ATC GR-4	2, 4	T20569-G1	-	1 per unit
PCA, Pump Interface, Retail Pulse-out	5	M05200A001	-	1 per unit
PCA, Pump Controller	5	T20011-G1	-	1 per unit
PCA, Pump Preset (PPP)	3, 4	T17331-G3	-	1 per unit
PCA, Front-load I.S. Barrier	6	T19301-G1	-	1 per unit

Where Used:

All = All Electronic Retail Units

1 = Standard Electronic Retail Units

2 = Electronic Retail Units with ATC

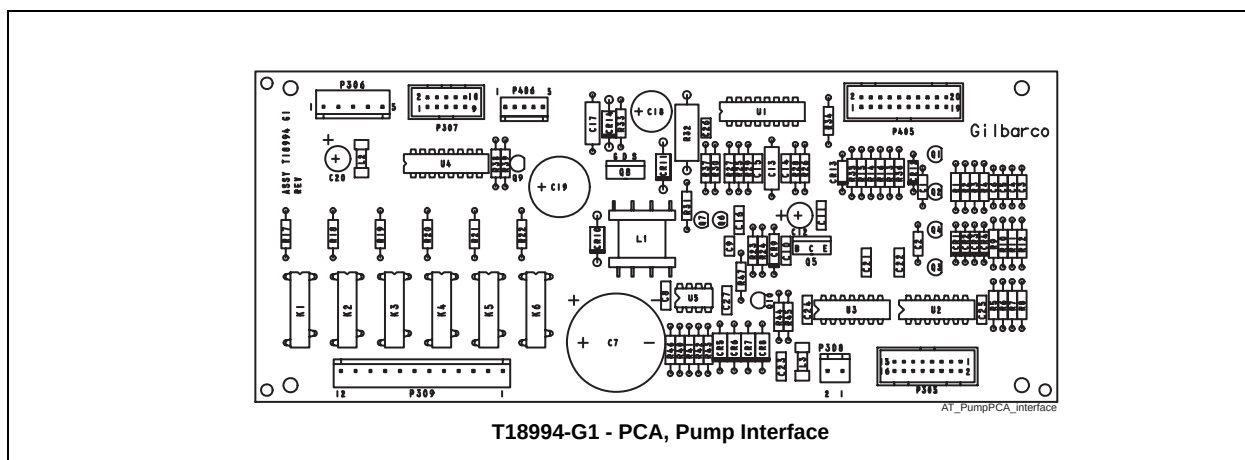
3 = Electronic Retail Units with PPP

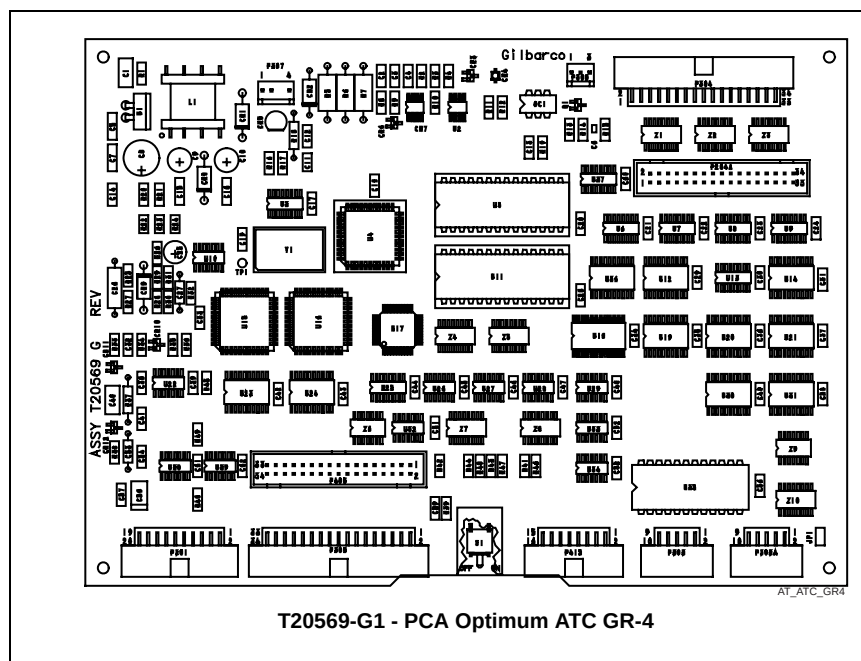
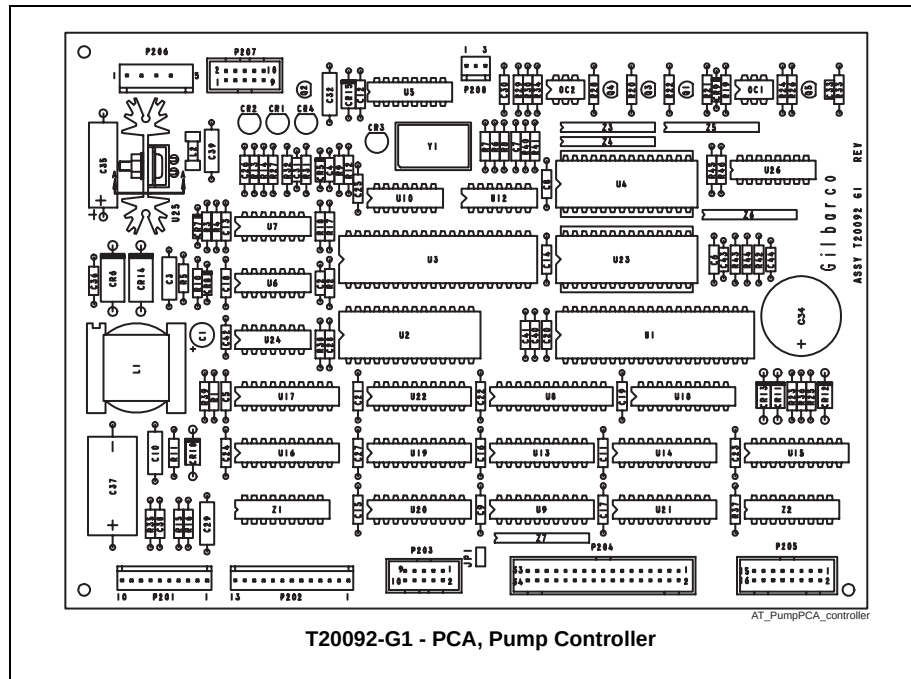
4 = Electronic Retail Units with ATC and PPP

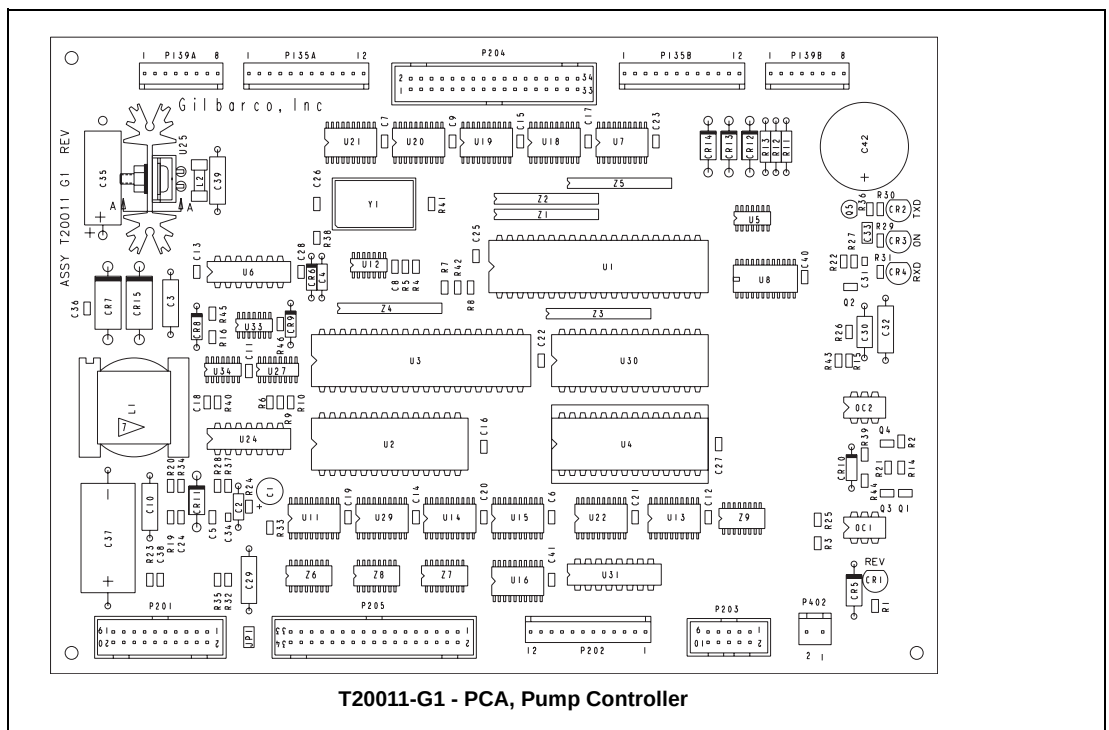
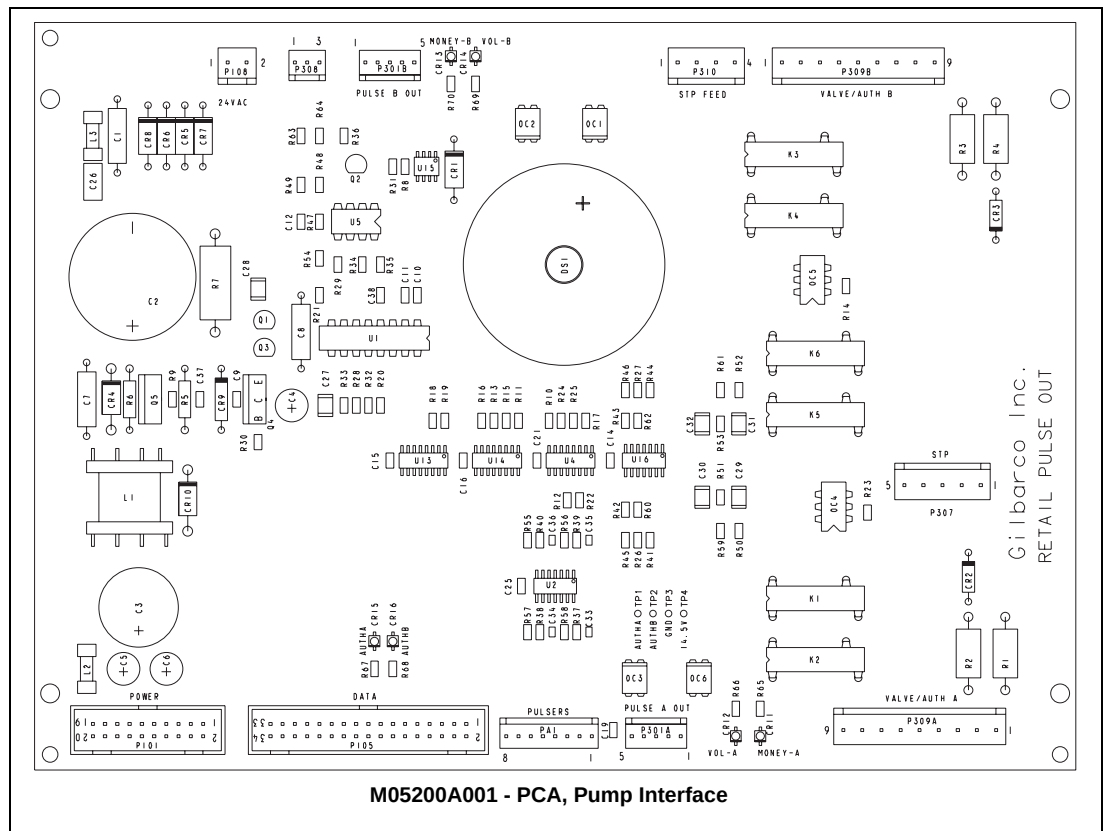
5 = Electronic Retail Units with Pulse-out

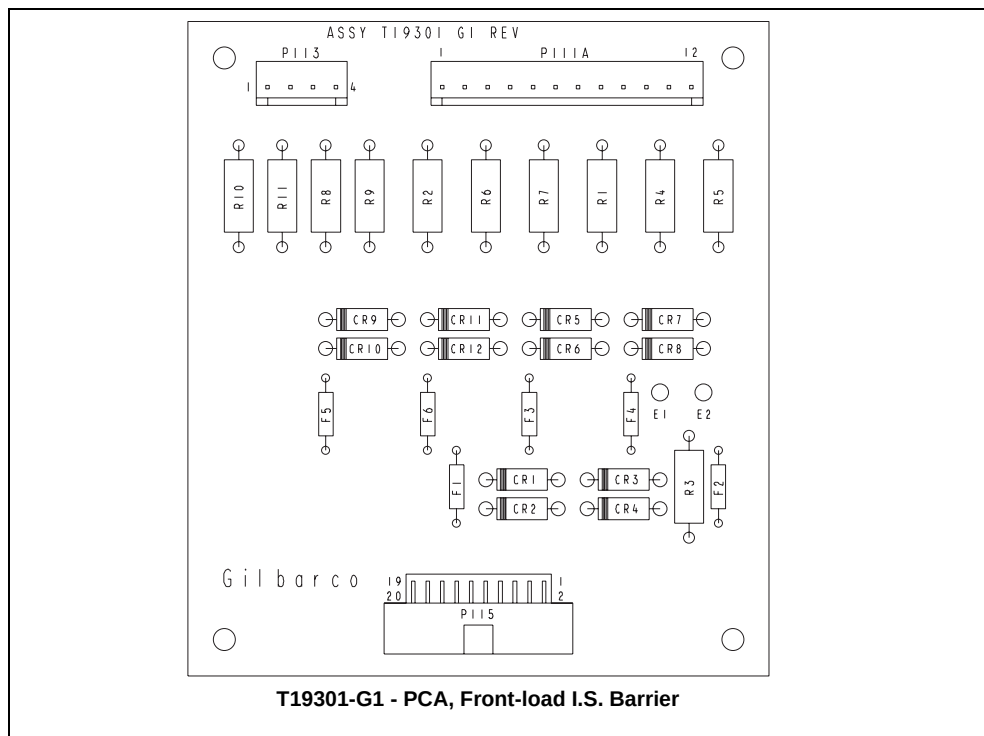
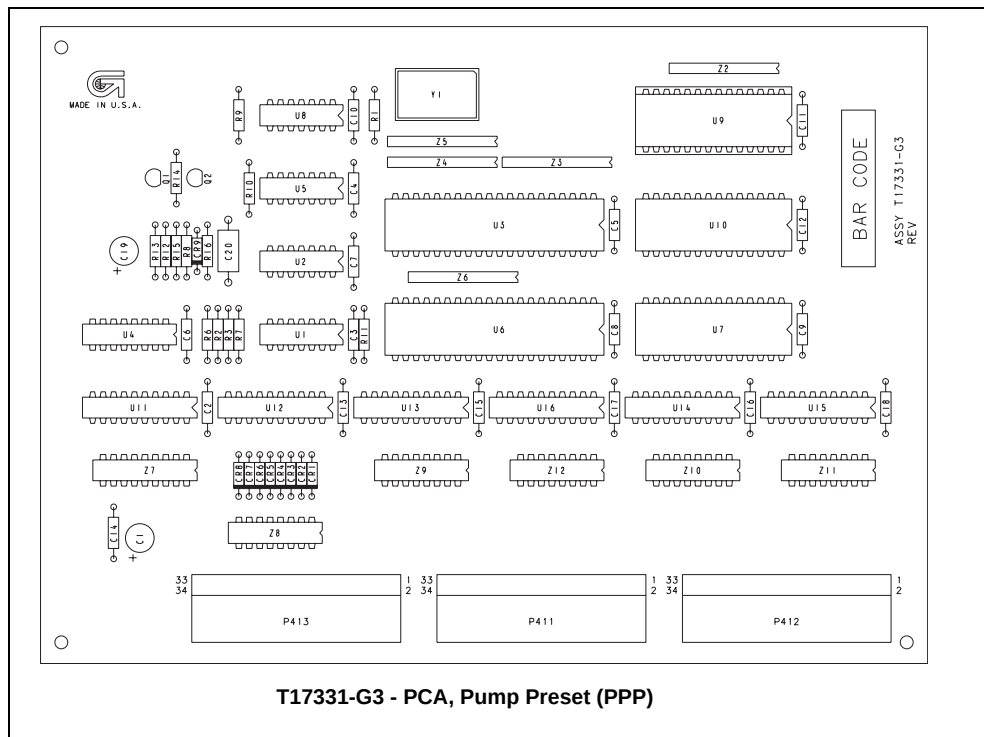
6 = Electronic Retail Units with Front-load Nozzle Boot

See the following Electronic Retail PCB graphics.

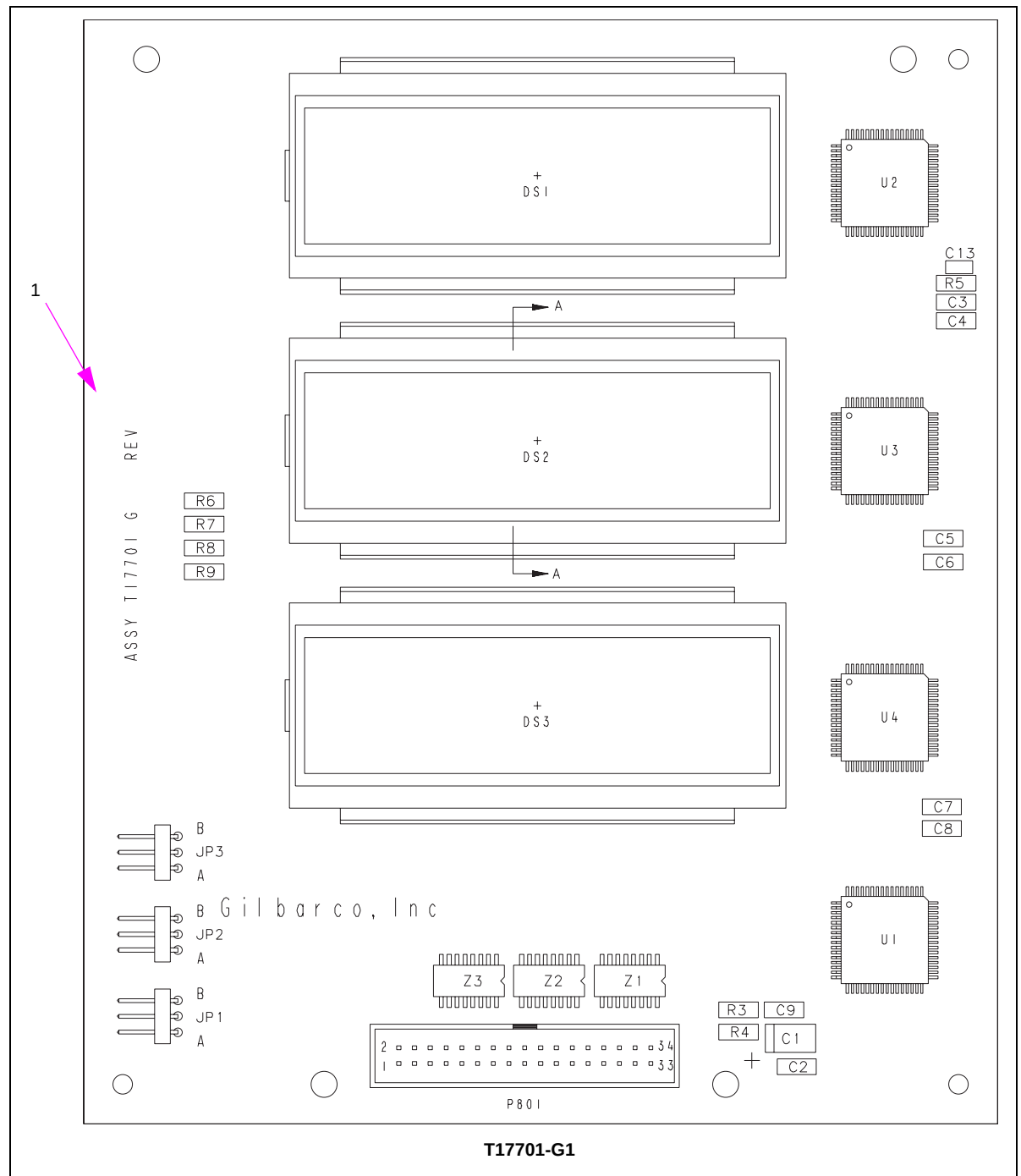


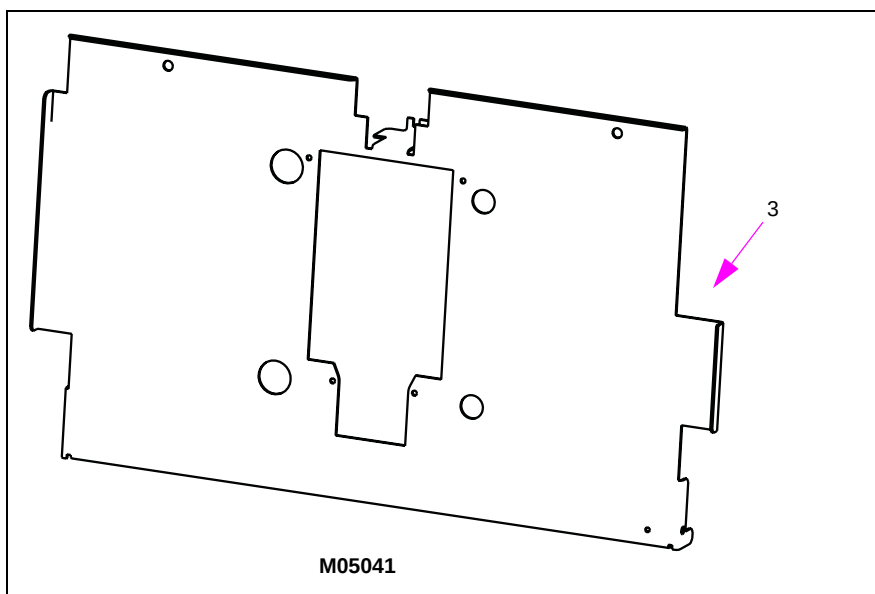
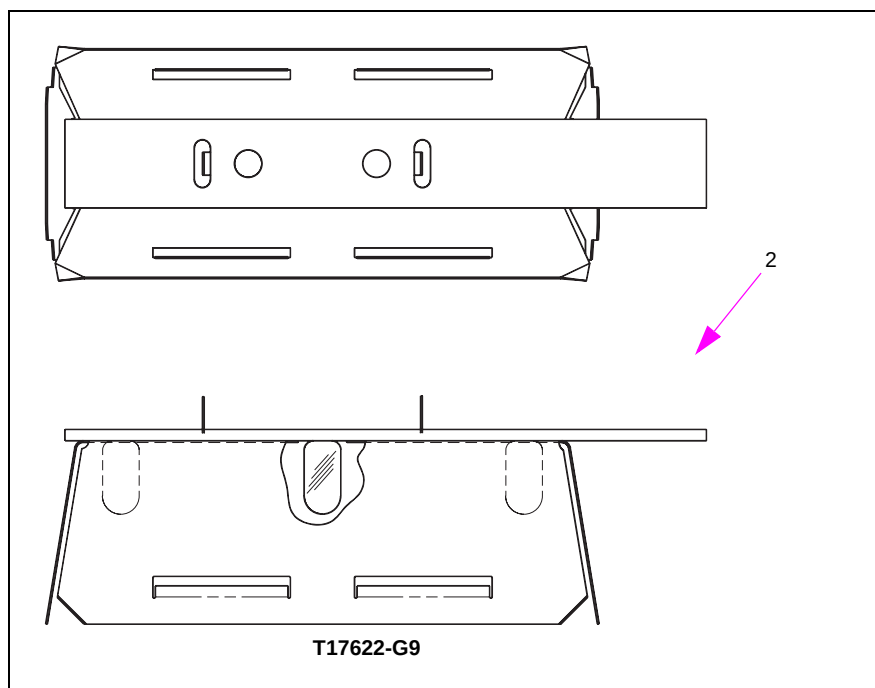


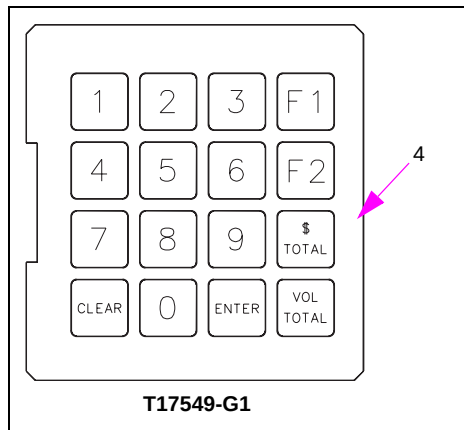




Displays and Display Panels

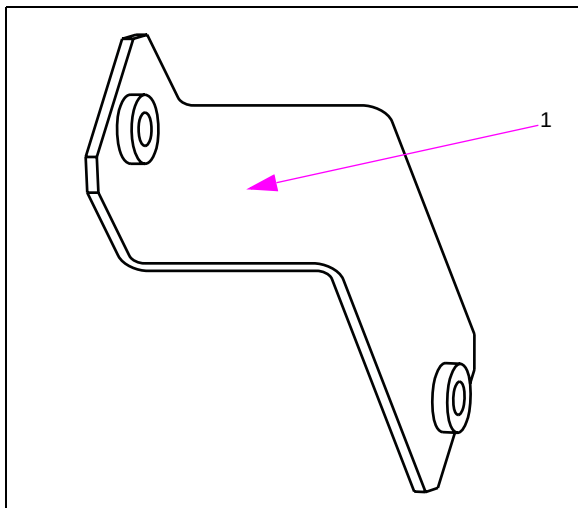






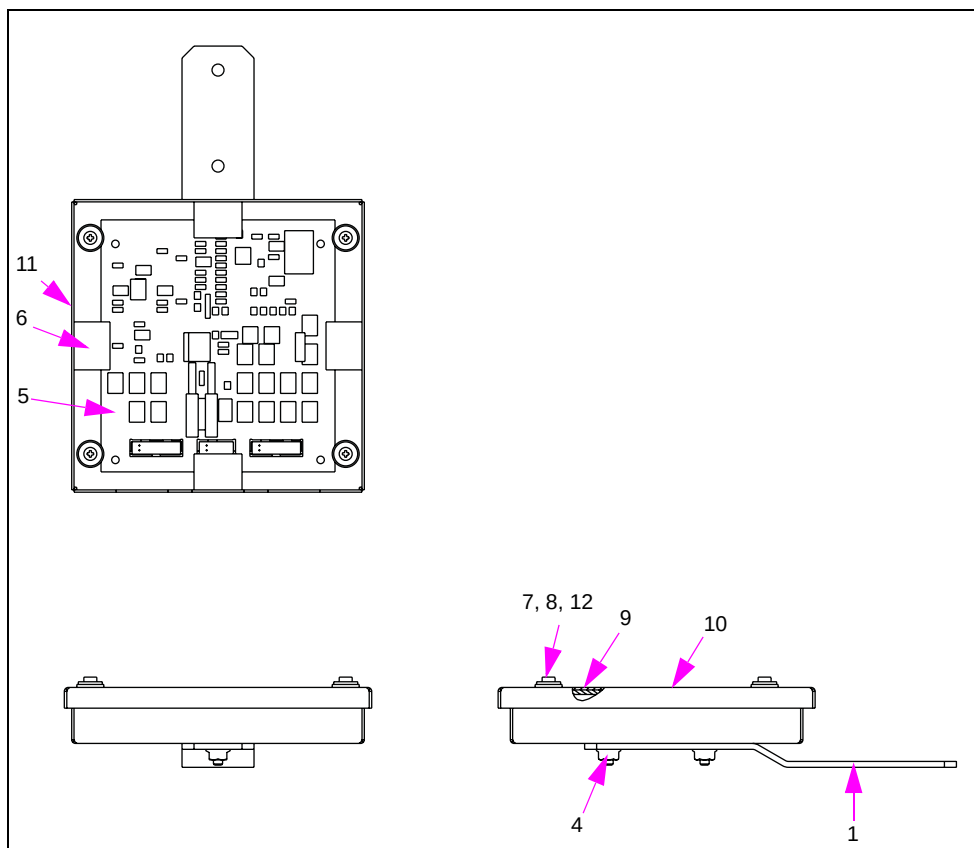
Item #	Part Description	Current Part	Previous Part	Quantity
1	PCB, LCD Main Display	T17701-G1	-	2 per meter
2	Reflector, Backlight 9	T17622-G9	-	2 per meter
3	Display Panel Single	M05041B001	-	1 per side
	Display Panel Dual	M05040B001	-	1 per side
4	Manager Keypad	T17549-G1	-	1 per unit

Display Panel Stop Bracket



Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket, PC Board Support	M05611A002	M05611A001	1

ATC T-Meter Module



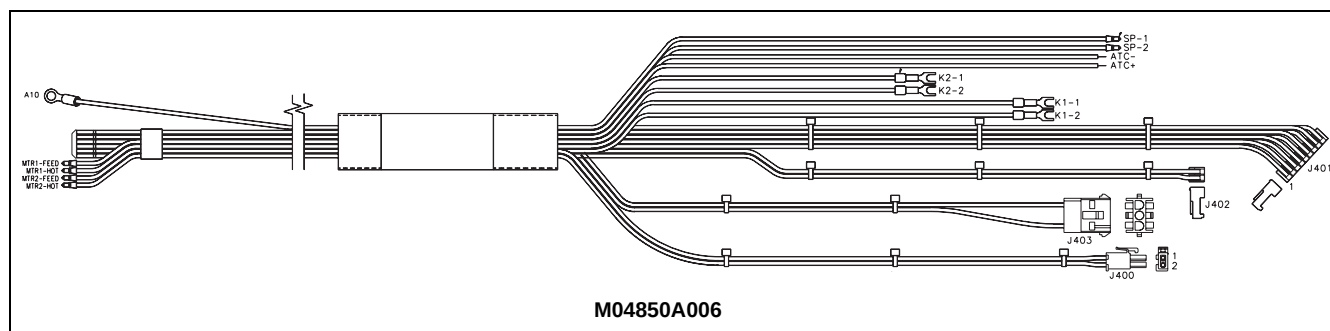
Item #	Part Description	Current Part	Previous Part	Quantity
T-Meter Module		T19405-G4	-	1
1	• Bracket, T-Meter Module Mounting	M05625B001	-	1
2	• Cable Assembly, T-Meter I.S. Barrier	R20147-G1	-	1
3	• Cable Assembly, T-Meter Probe	R20148-G3	-	2
4	• Nut Hex Flanged #10-32	Q11890-03	-	2
5	• Pcb Assembly, T-Meter	T19386-G1	-	1
6	• Ribbon Cable Support Block	N23616-02	-	4
7	• Screw Self Locking Ppdh 6-32 X 0.38	K93293-06	-	4
8	• Spacer / Washer Tabulation	Q10385-32	-	4
9	• T-Meter Housing Cover Gasket	R20129-01	-	1
10	• T-Meter Module Cover	T19397-01	-	1
11	• T-Meter Module Housing	T19319-G1	-	1
12	• Washer, Flat 0.149 X 0.500 X 0.056	N16599-48	-	4

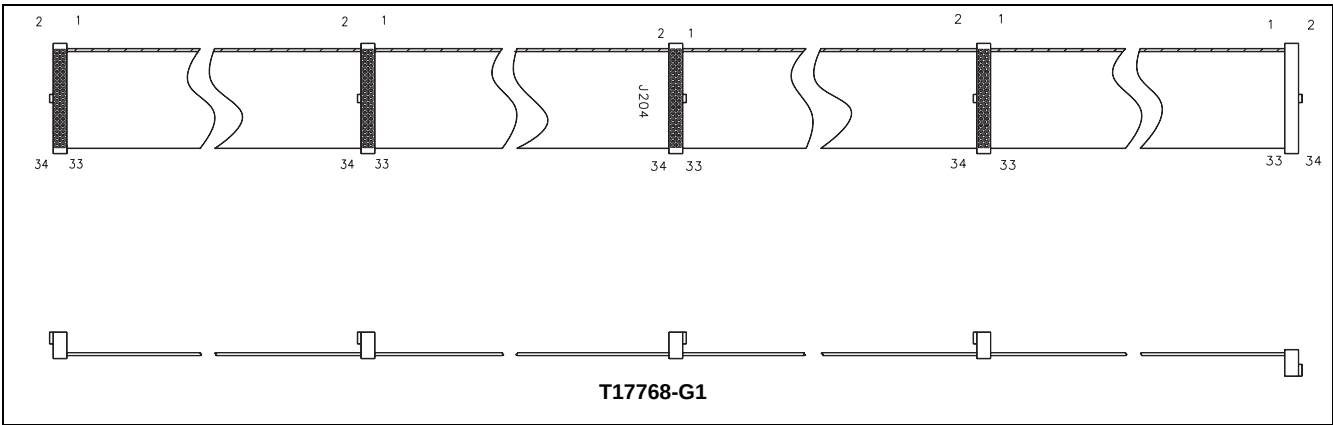
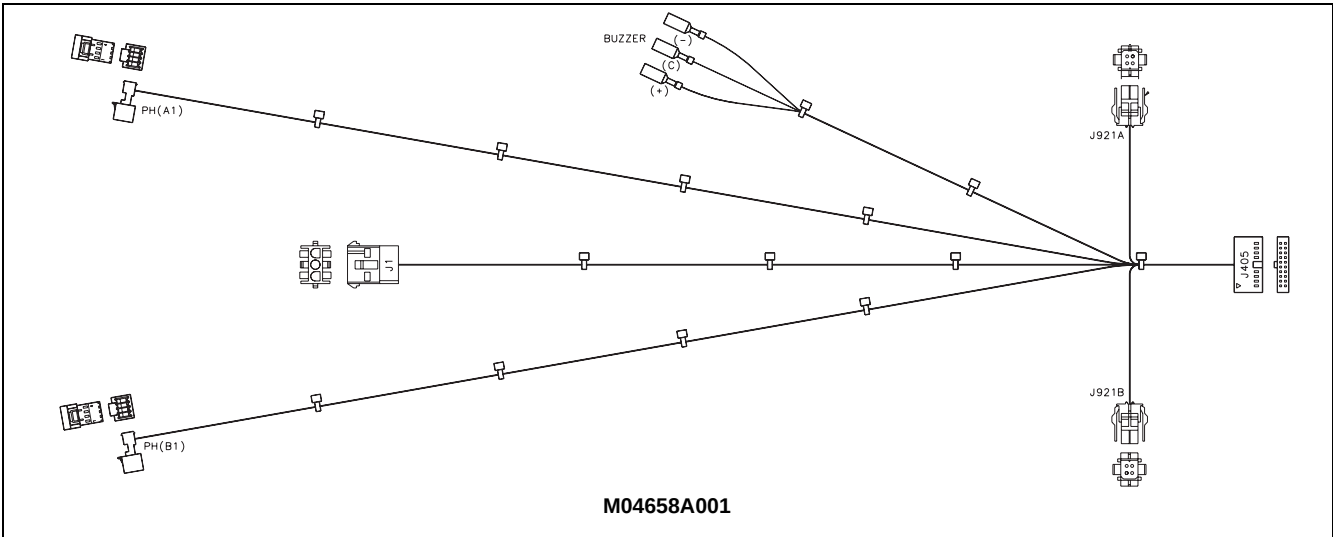
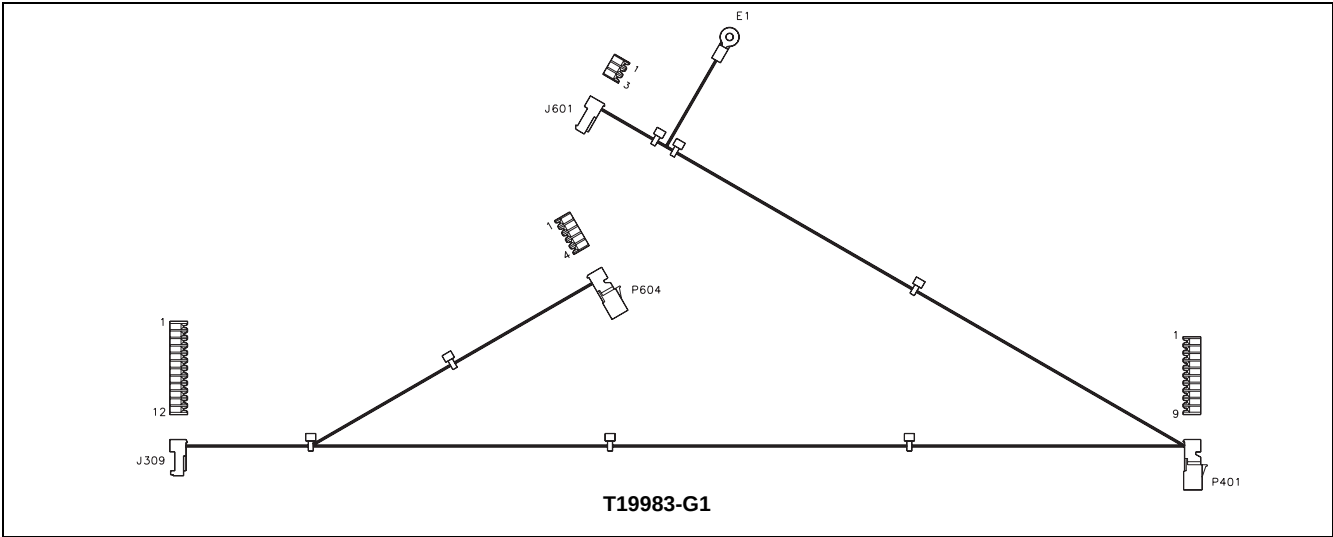
Retail Cables

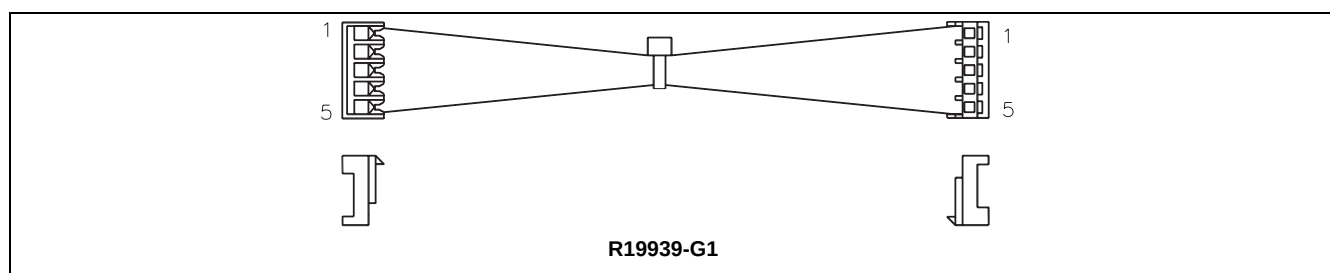
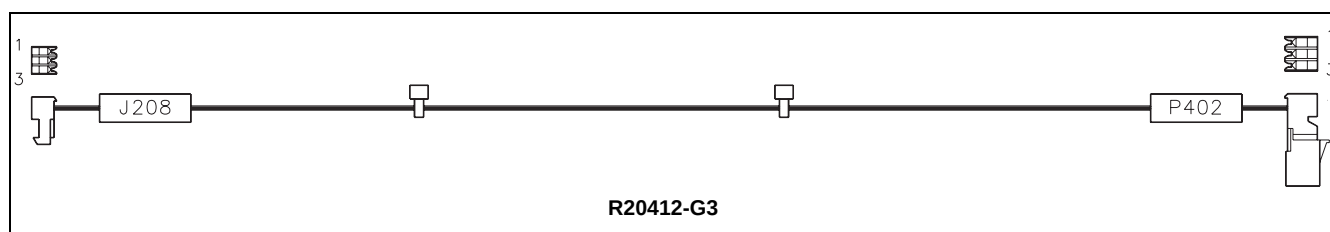
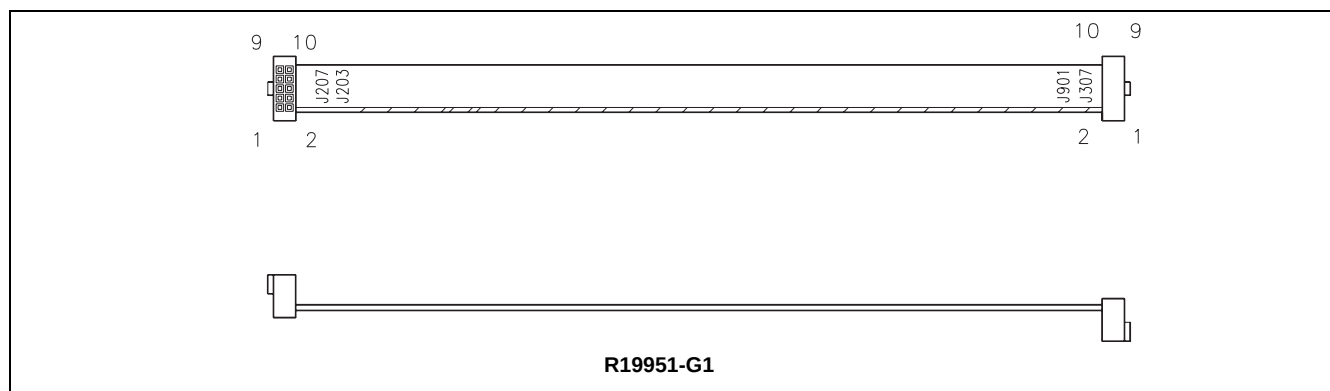
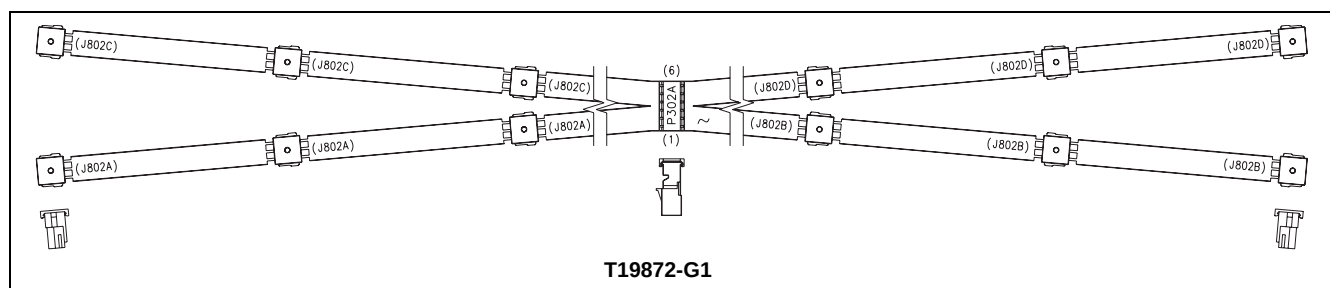
Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for Cable block diagrams.

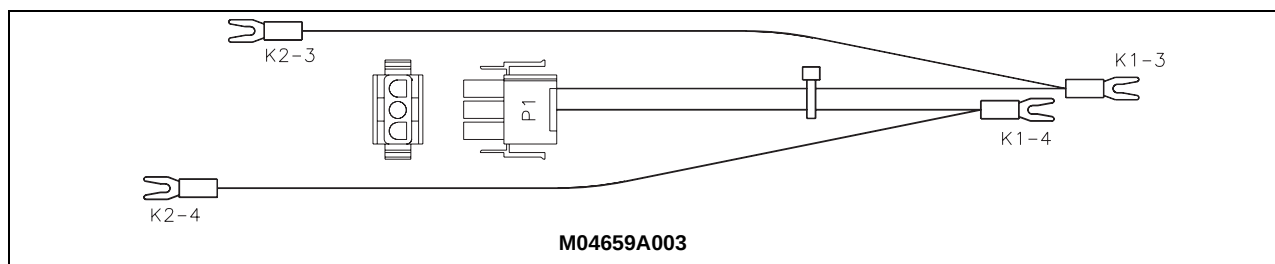
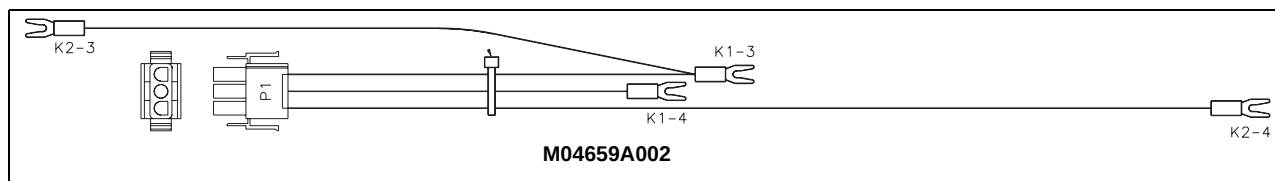
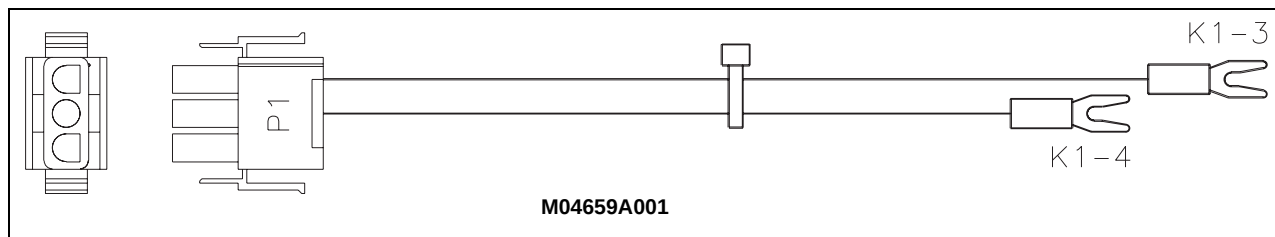
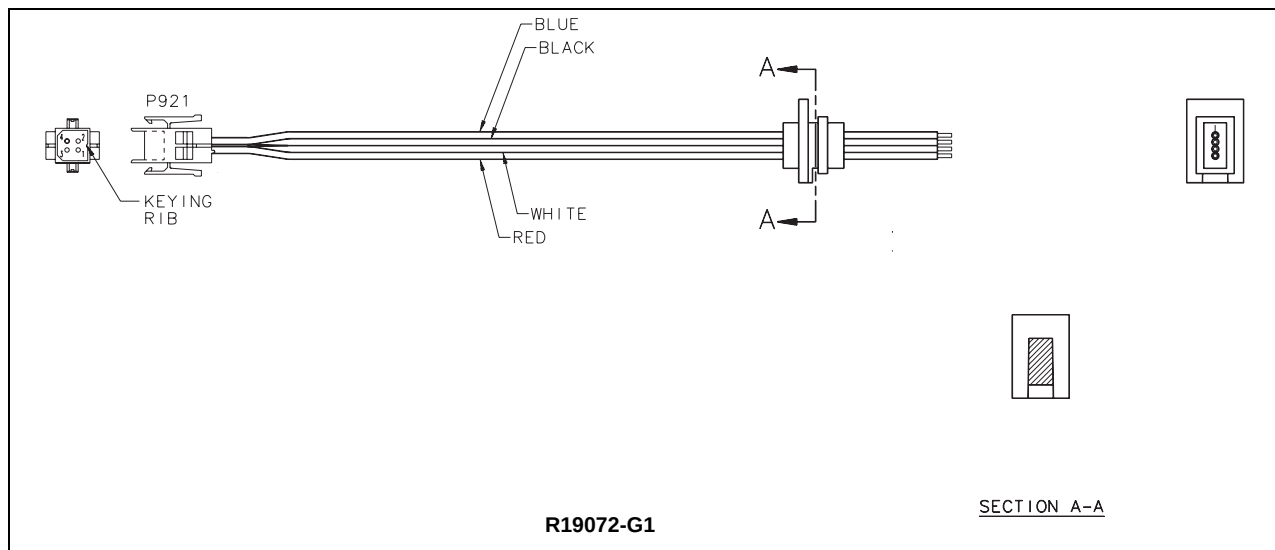
Standard Cables

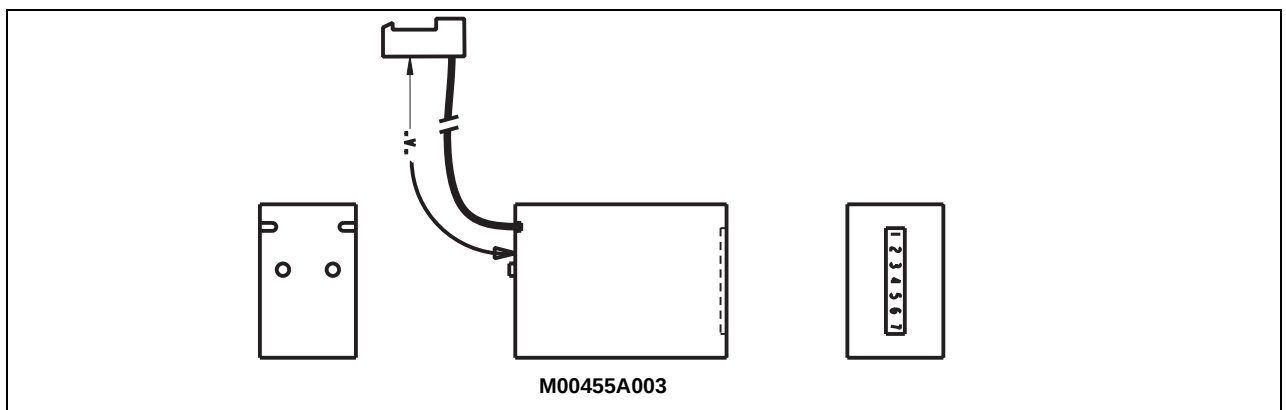
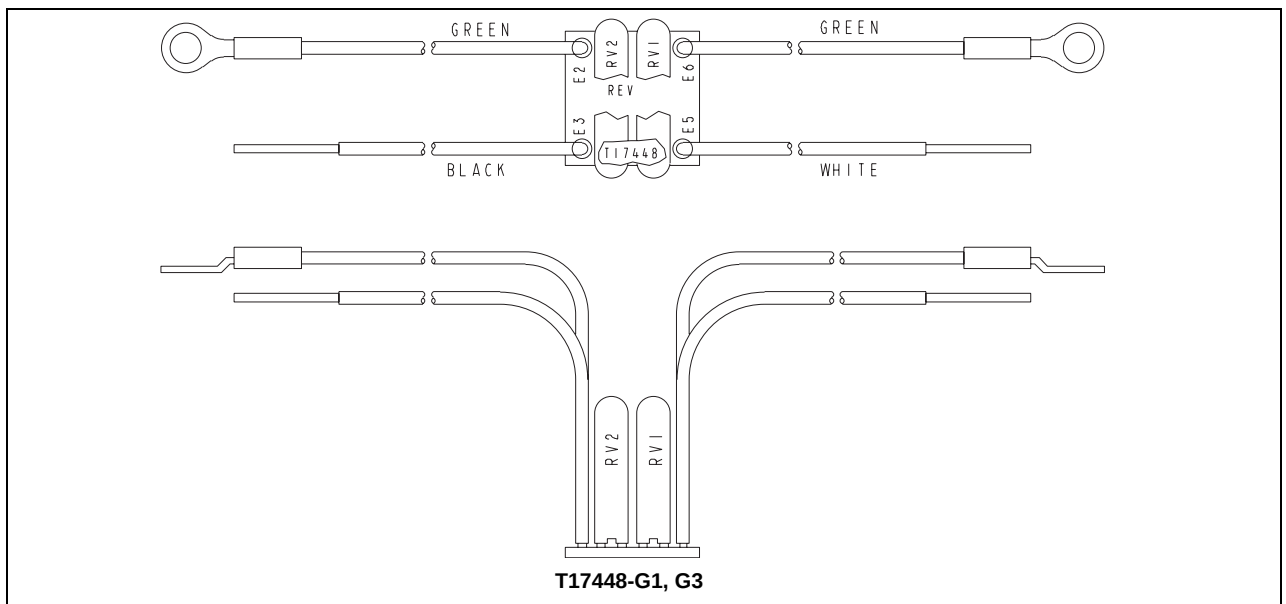
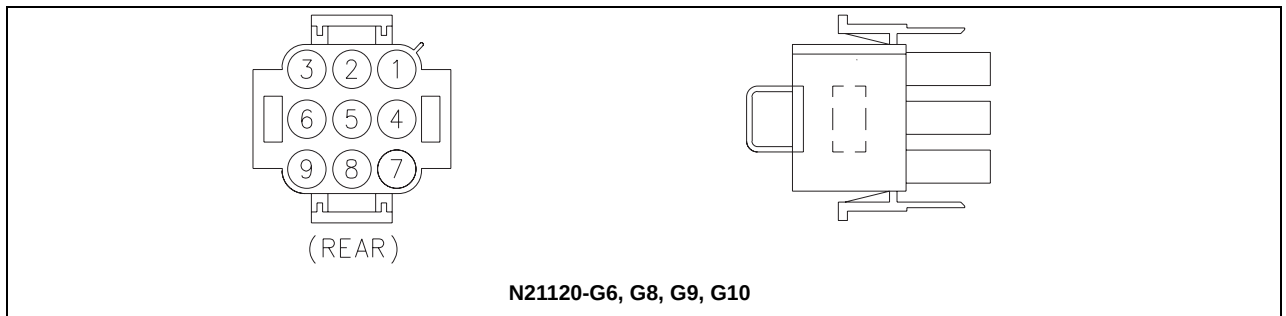
Part Description	Current Part	Previous Part
Main AC Power Cable and Conduit Assembly	M04850A006	-
Main AC Cable	T19983-G1	-
Main DC Interface Cable	M04658A001	-
LCD Main Display Cable	T17768-G1	-
Backlight Cable	T19872-G1	-
Manager Keypad Cable and Controller to Interface Cable	R19951-G1	-
Cable 2-wire Assembly	R20412-G3	-
Controller to Interface Cable	R19939-G1	-
Pulser Cable	R19072-G1	-
Motor Relay Cable 115 V	M04659A001	-
Motor Relay Cable 230 V	M04659A002	-
Motor Relay Cable 380 V	M04659A003	-
Power Select Plug for 115 V Power Supply	N21120-G6	-
Power Select Plug for 220 V Power Supply	N21120-G8	-
Power Select Plug for 230 V Power Supply	N21120-G9	-
Power Select Plug for 240 V Power Supply	N21120-G10	-
Varistor Assembly 115 V	T17448-G1	-
Varistor Assembly 230 V	T17448-G3	-
Electro-Mechanical Totalizer	M00455A003	-
Totalizer Retail Atlas Cable	M04889A001	-
Front-load Conduit and Cable Assembly	M05969A002	-
<i>Not Shown</i>		
Audio Transducer	Q11763-01	-
Magnet, Actuator	Q12514-02	-

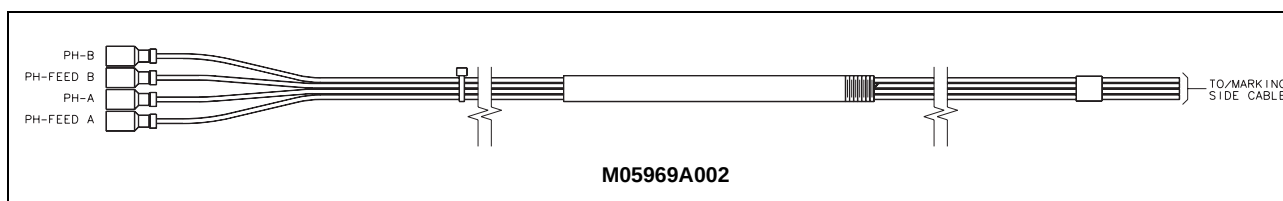
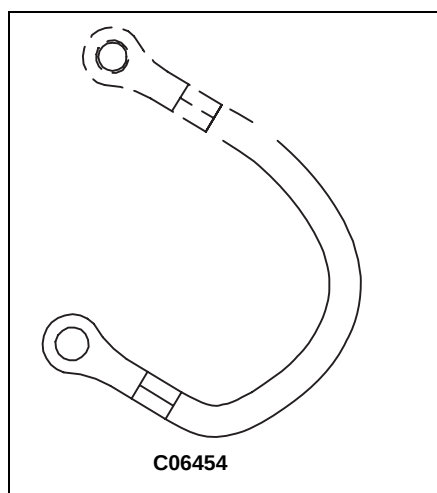
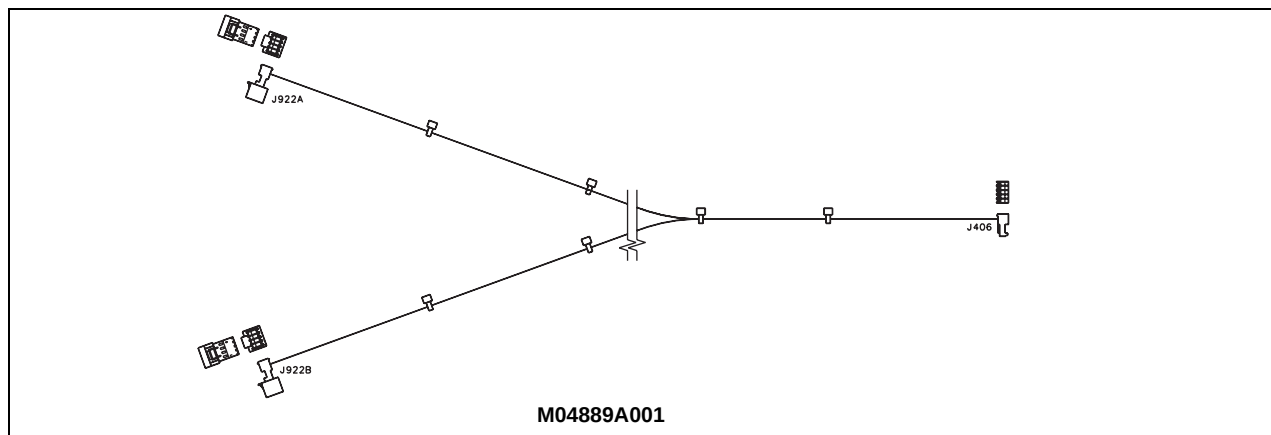












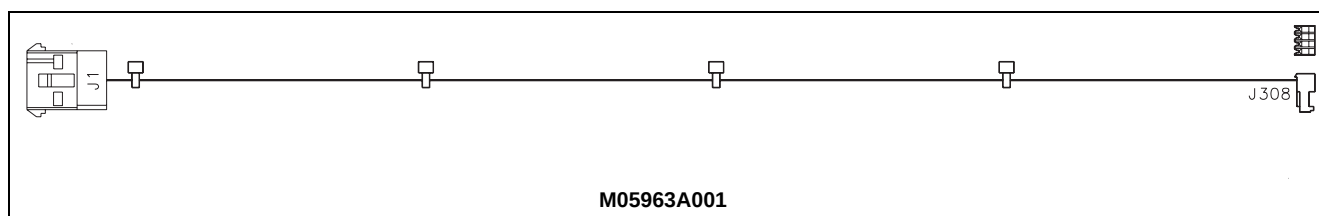
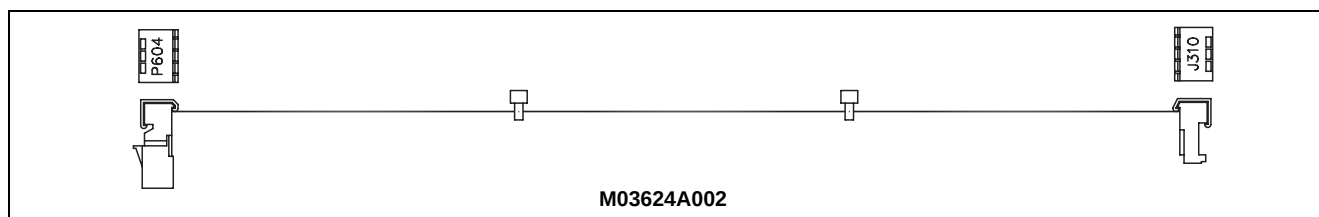
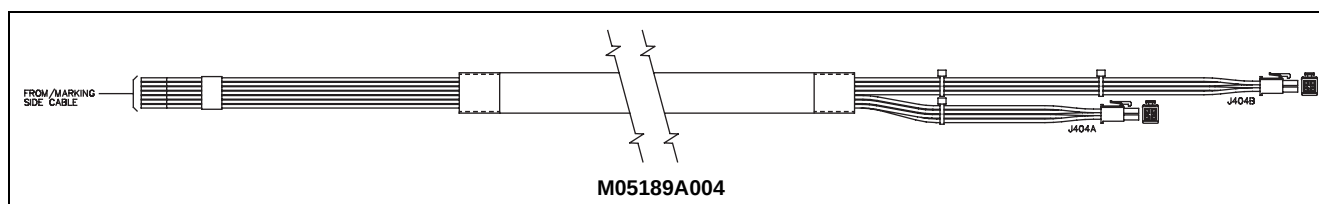
Pulse-out/RS-485 Option

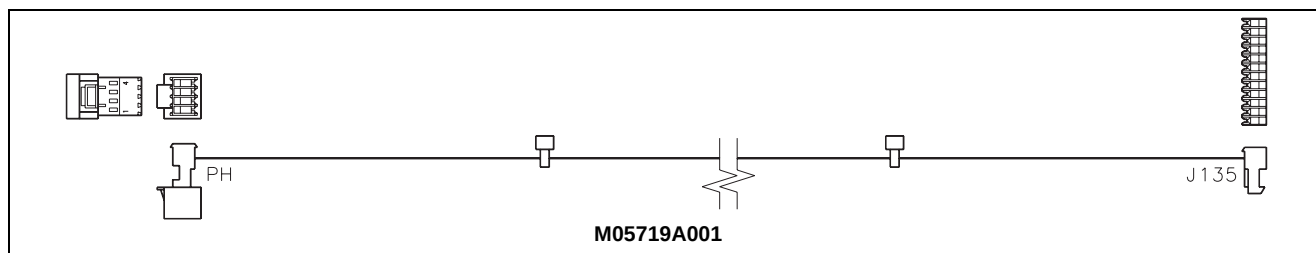
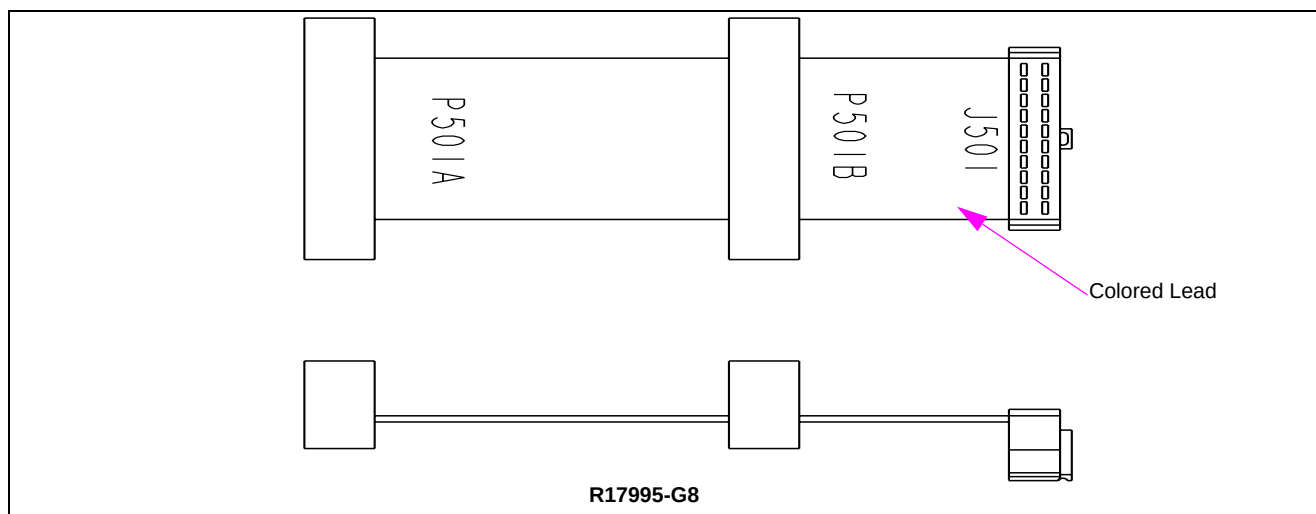
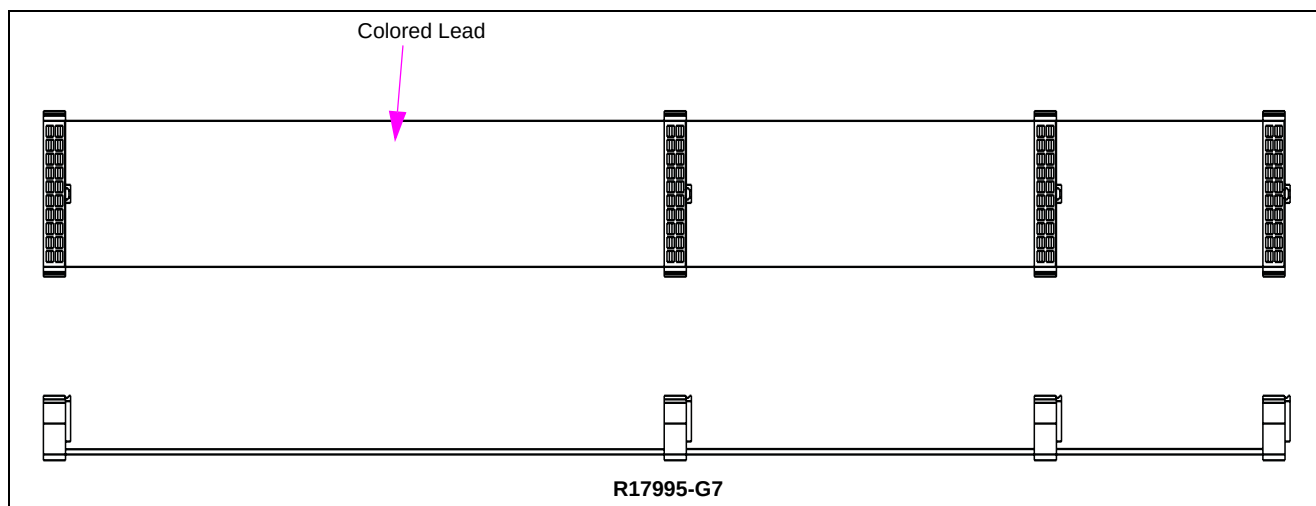
Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for cable block diagrams.

Part Description	Current Part	Previous Part
DC Power Cable and Conduit Assembly, Pulse-out/RS-485	M05189A004	-
Valve Feed Cable, Pulse-out	M03624A002	-
Relay Adapter Cable, Pulse-out	M05963A001	-
Reg/Logic Cable Assembly (1)	R17995-G7	-
Reg/Logic Cable Assembly (2)	R17995-G8	-
Pump Handle Cable	M05719A001	-

1 - Used with Pulse-out, Pulse-out and PPP, or Pulse-out and ATC.

2 - Used with Pulse-out, PPP and ATC.

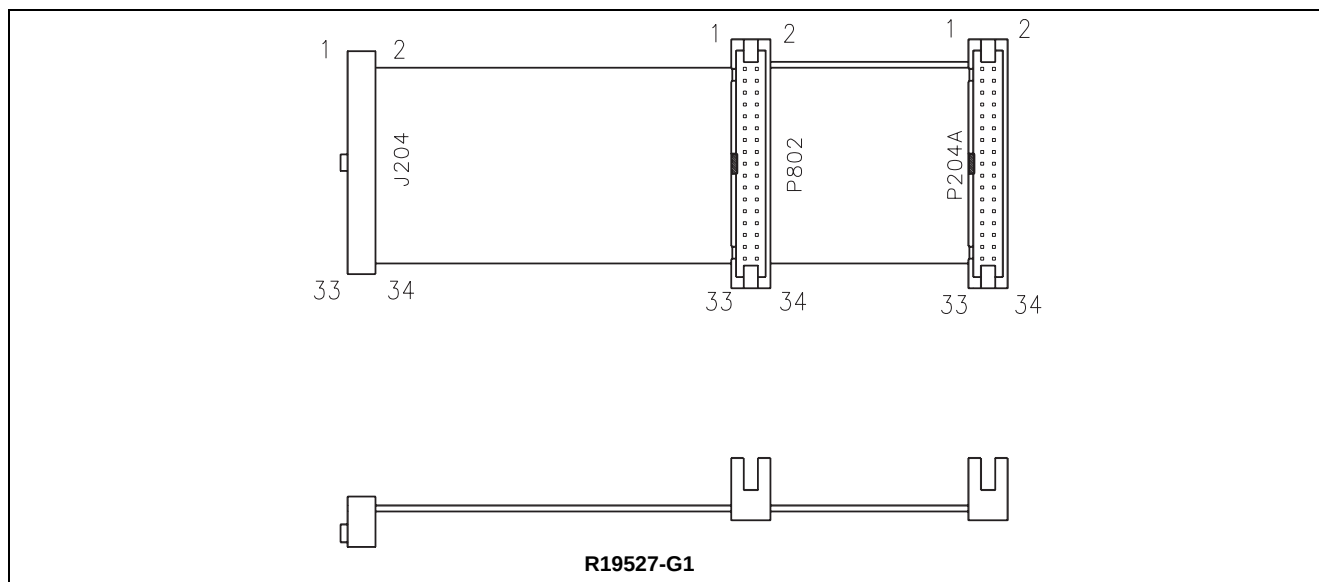


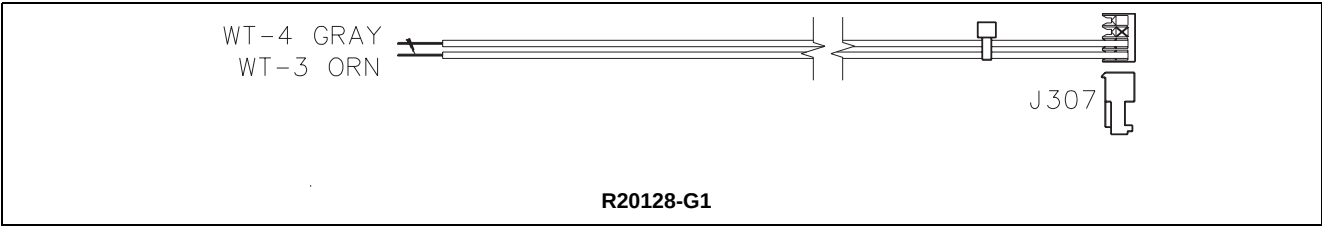
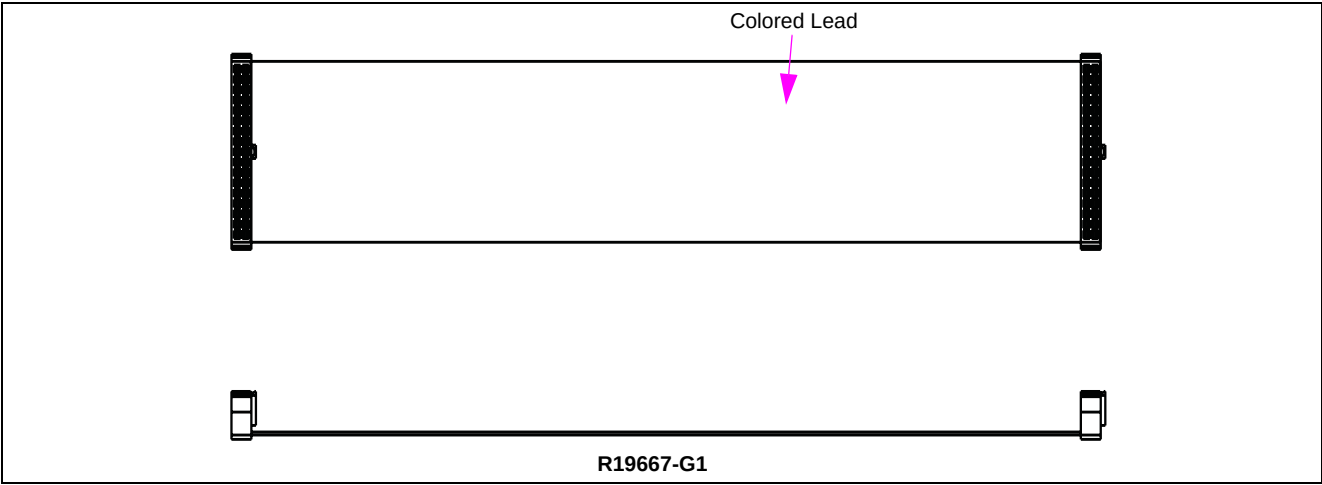
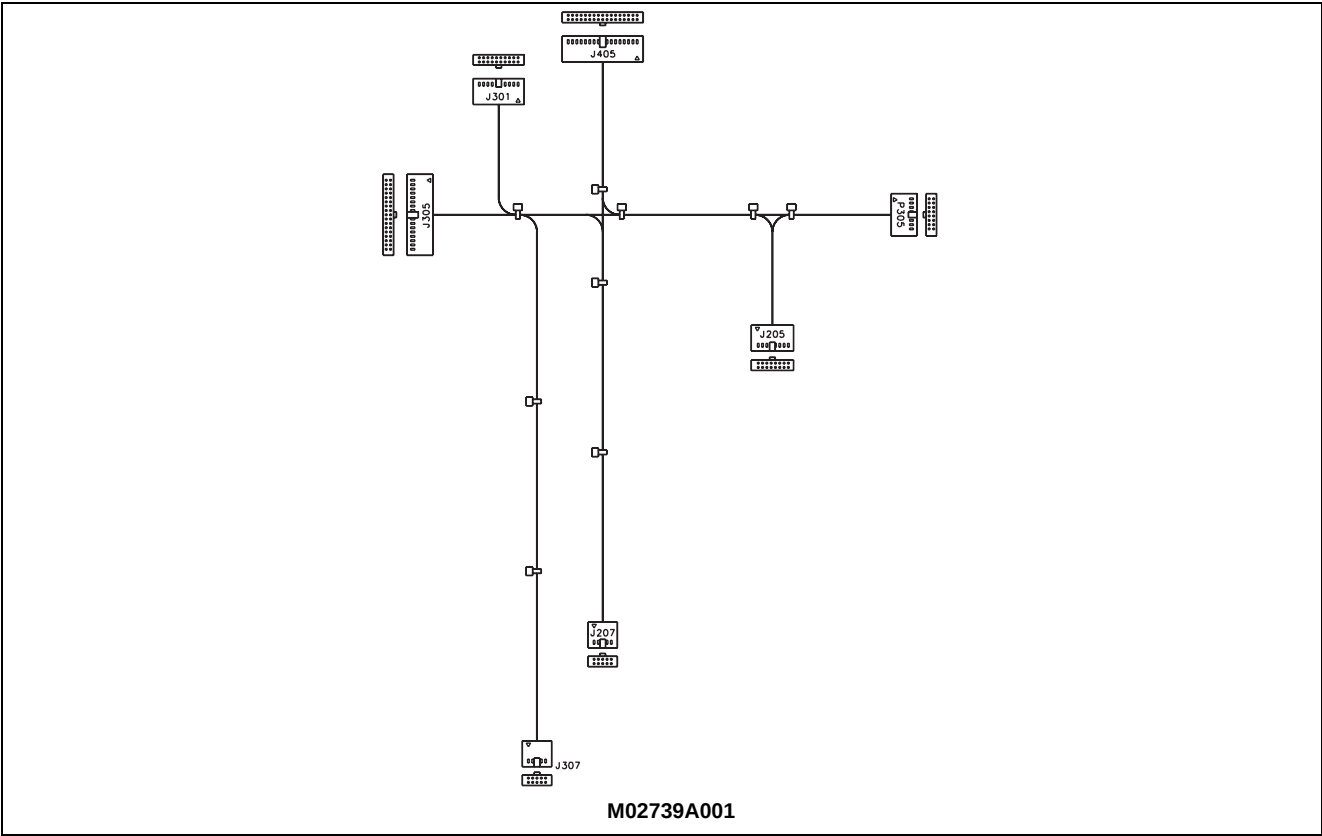


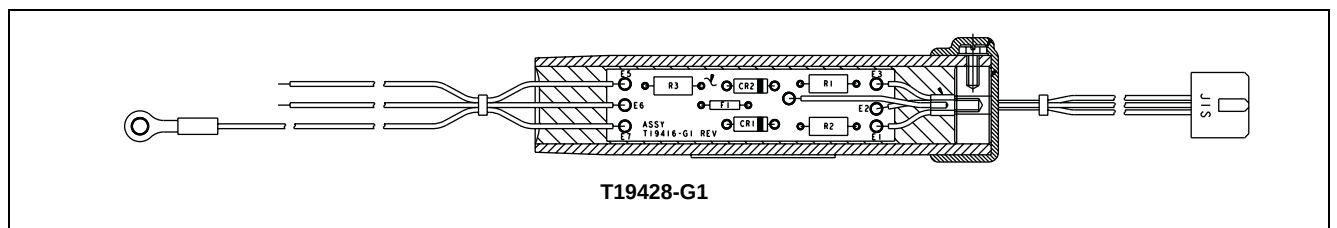
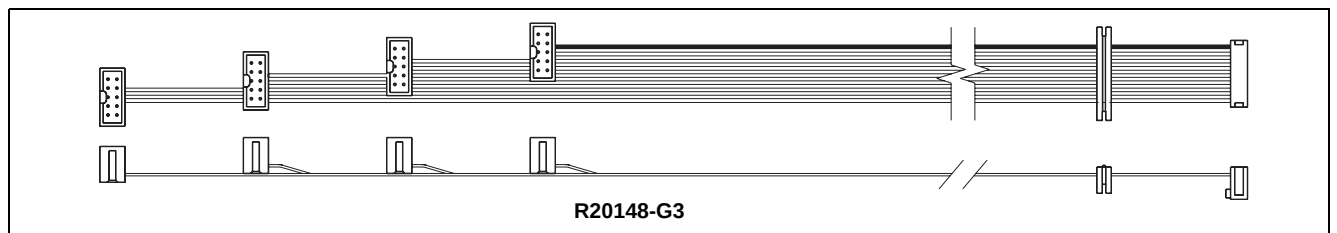
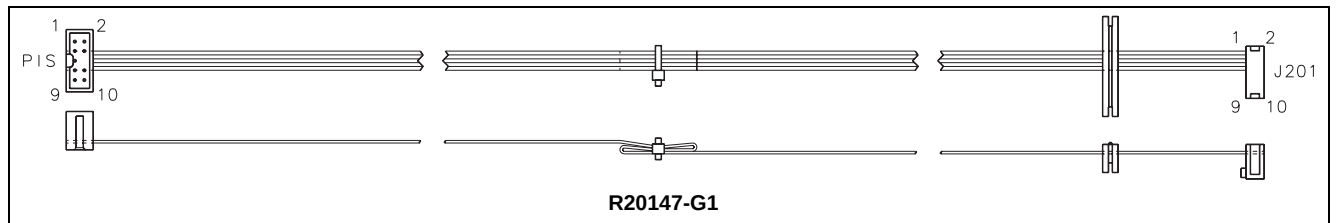
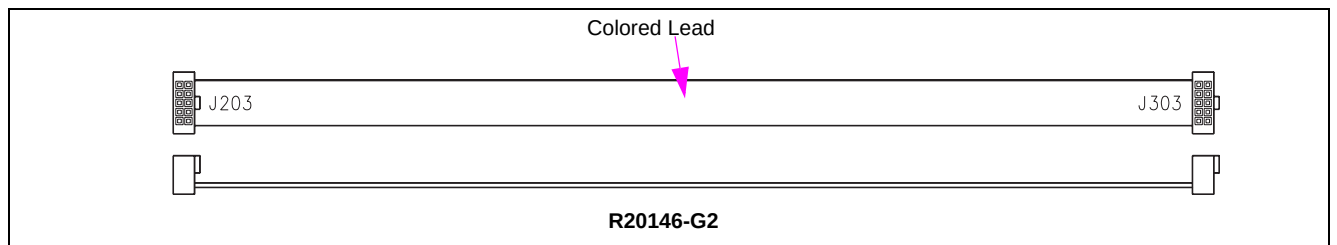
ATC Option

Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for cable block diagrams.

Part Description	Current Part	Previous Part
Calibration Switch Cable (also used in PPP Location)	R19527-G1	-
Main Interface ATC Cable	M02739A001	-
Pump Controller to ATC Control Cable	R19667-G1	-
Power Data Cable	R20128-G1	-
Keypad Interface Cable	R20146-G2	-
T-Meter Cable Assembly (IS Barrier)	R20147-G1	-
T-Meter Cable (Meter Probe)	R20148-G3	-
I.S. Barrier - ATC Retail	T19428-G1	-
RTD Probe and Thermowell	Refer to "Upper Hydraulics - Meter, Manifold, and Valve" on page 29	-



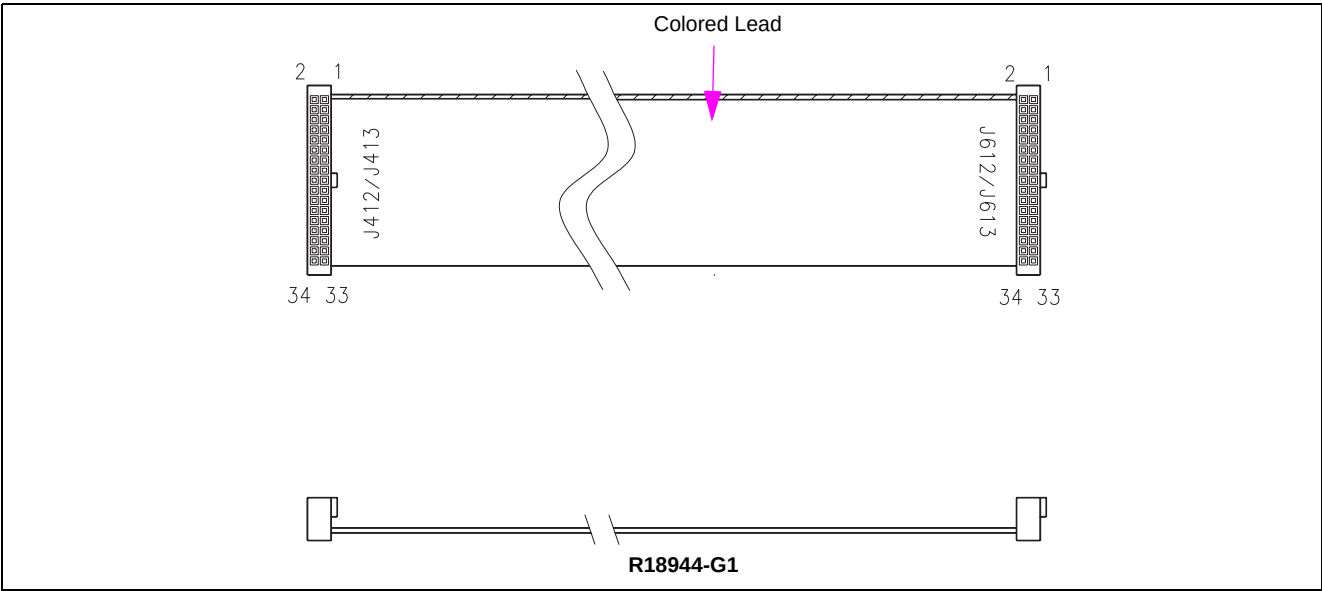
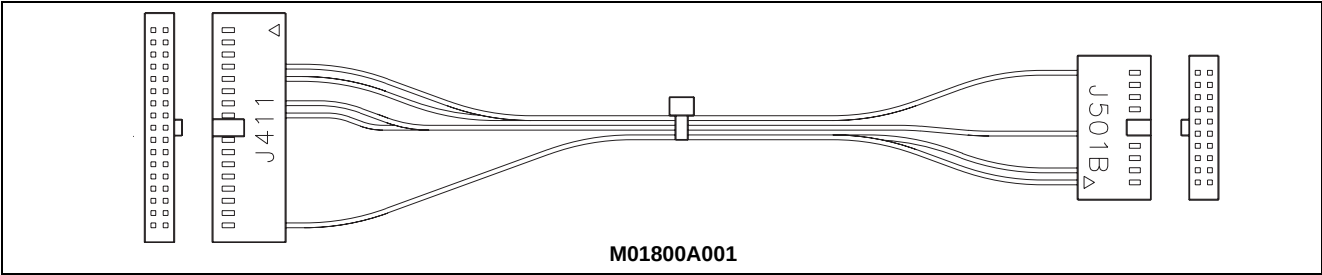
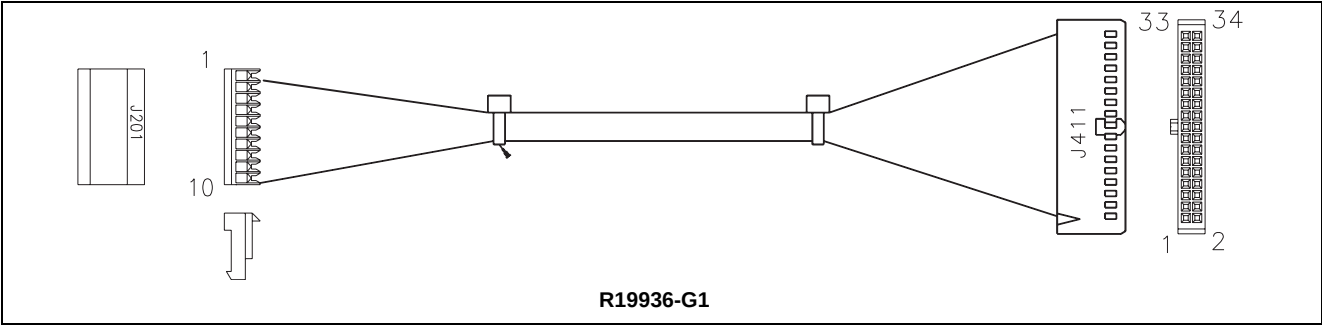




Programmable Pump Preset (PPP) Option

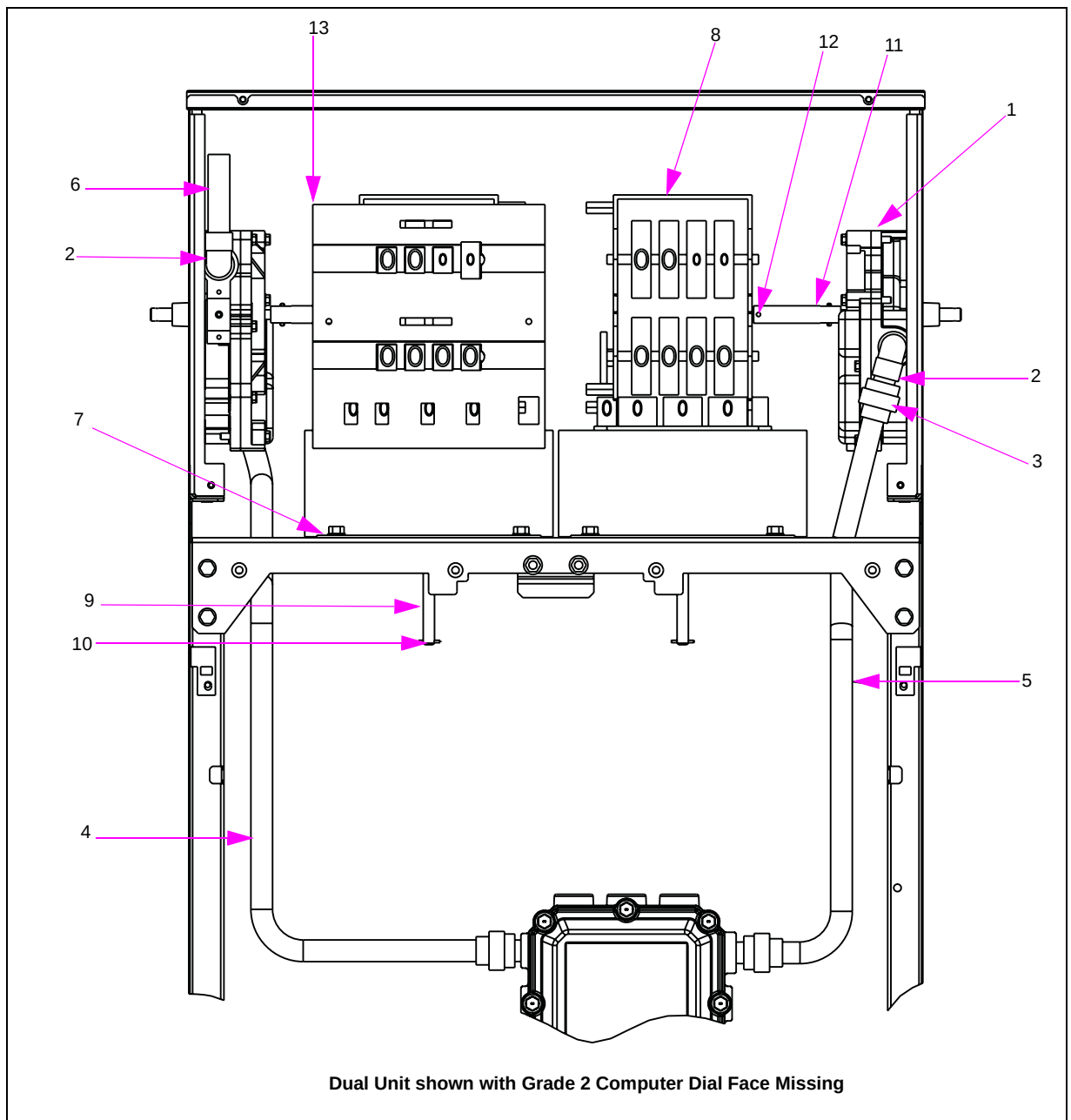
Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for cable block diagrams.

Part Description	Current Part	Previous Part
Controller to PPP Cable	R19936-G1	-
PPP Cable	M01800A001	-
Display Cable	R18944-G1	-



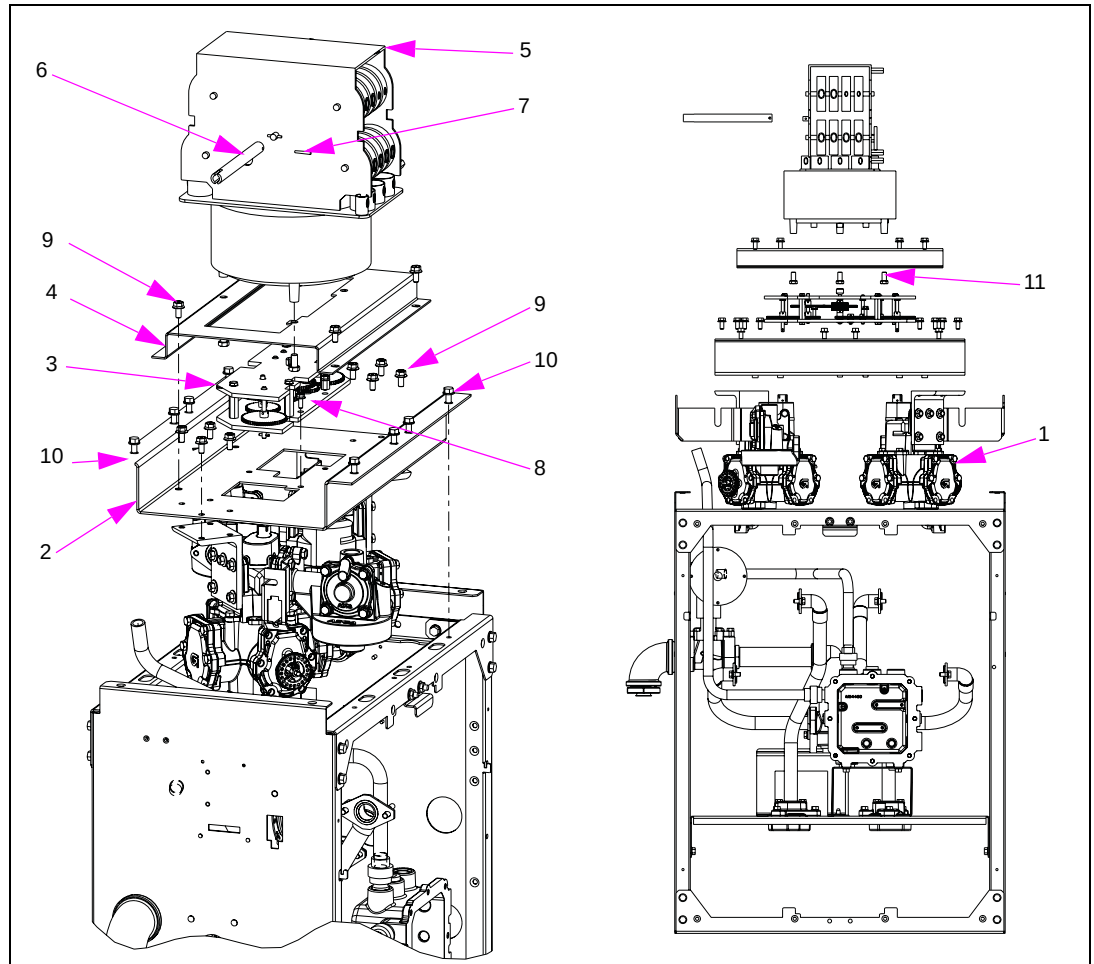
Mechanical Computer and Reset Section

Registers, Resets, Linkage, and Conduit - No Electric Keytrol



Item #	Part Description	Current Part	Previous Part	Quantity
1	Electric Reset - 110 V/60 Hz Unlighted	048568	-	1 per meter
	Electric Reset - 230 V/60 Hz Unlighted	048677	-	
	Electric Reset - 230 V/50 Hz Unlighted	048658	-	
	Manual Reset - Unlighted	048662	-	
	Electric Reset - 110 V/60 Hz Lighted	049023	-	
	Electric Reset - 230 V/60 Hz Lighted	049025	-	
	Electric Reset - 230 V/50 Hz Lighted	049024	-	
	Manual Reset - Lighted	049022	-	
2	Elbow, 1/2 X 90 M X F	K42448	-	1 per meter
3	Union, Conduit - 1/2 inch	Q10016-04	-	1 per meter
4	Reset Conduit - Grade 1	M05121B001	-	1
5	Reset Conduit - Grade 2	M05122B001	-	1
6	Nipple, Conduit 1/2 X 3-1/2 inch	R11976-54	-	1
7	Plate, Computer Mounting	M04265B001	-	1 per meter
8	Register, Commercial (Volume) Gallons	021079	-	1 per meter
	Register, Commercial (Volume) Liters	021071	-	
	Register, Retail (Money) Gallons	021009	-	
	Register, Retail (Money) Liters	021065	-	
9	Shaft, Drive VR Compt to Meter	M05143B001	-	
10	Groove Pin Tyoe E 3-/32 X 7/8	042115	-	1 per meter
11	Coupling, Electric Reset	022605	-	1 per meter
12	Tapered Groove Pin 1/8 Dia X 1.00	K42757-31	-	1 per meter
13	Computer Dial face, Commercial (Volume)	025548	-	2 per register
	Computer Dial face, Retail (Money)	025777	-	

9140K Super-Hi Mechanical - Meter, Differential Gearbox, and Computer

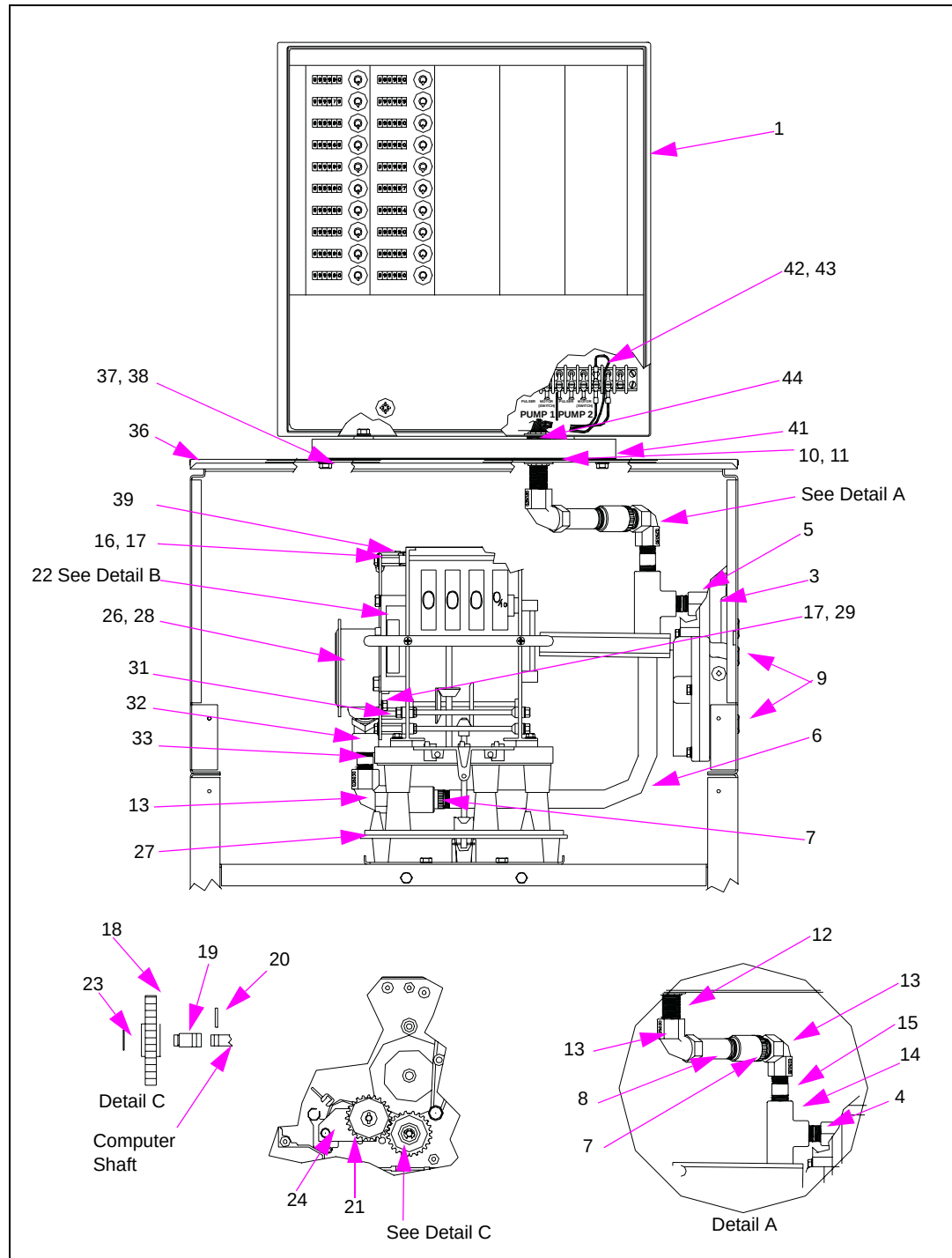


Item #	Part Description	Current Part	Previous Part	Quantity
1	Meter Assembly Gallons	M04996A020	-	2
	Meter Assembly Liters	M04996A021	-	2
2	9140 Meter and Gearbox Plate	M07343A001	-	1
3	Differential Assembly 40Q	M05274A001	-	1
4	Plate, 9140 Computer Mtg	M07345B001	-	1
5	Register, Gallons	021079	-	1
	Register, Gallons w/Ticket Printer	021082	-	1
	Register, Liters	021071	-	1
6	Coupling, Elec Reset Single/40	017561	-	1
7	Tapered Groove Pin 1/8 Dia X 1.00	K42757-31	-	1
8	Screw Metric M6 X 16	M00415B006	-	3
9	Screw Metric M8 X 16	M00415B009	-	12
10	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	8
11	Screw Self Locking Hex HD Cap 3/8-24 75 GR 5	K93293-10	-	3

Note: Refer to [page 29](#) for specific parts associated with M04996A020 and M04996A021 meter assemblies.

Mechanical Computer, Reset, and Pulser with Electrical Keytrol

9140 Super-Hi Unit

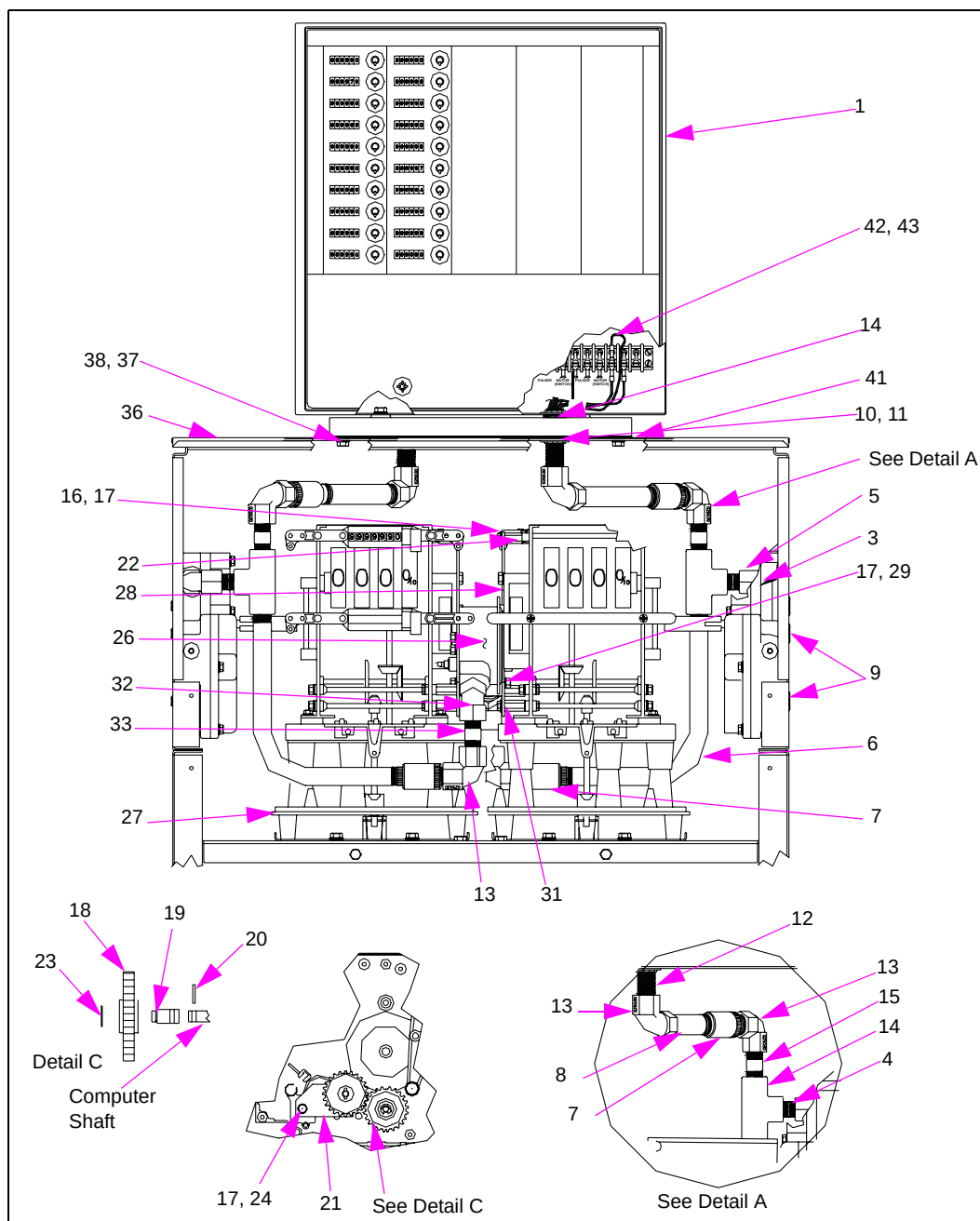


Item#	Part Description	Current Part	Previous Part
1	Electrical Keytrol	-	-
3	Reset Assembly 110 V 60 Hz EK Pump	048810	-
	Reset Assembly 230 V 60 Hz EK Pump	048811	-
	Reset Assembly 230 V 50 Hz EK Pump	048812	-
	Reset Assembly 110 V 60 Hz EK Dispenser	048813	-
	Reset Assembly 230 V 60 Hz EK Dispenser	048814	-
	Reset Assembly 230 V 50 Hz EK Dispenser	048815	-
4	Pipe TBE, 1/2 X 1-1/8 Zinc Plated	N16771-78	-
	Conduit, 1/2 X 4, 9140, 9140AX	038125	-
5	Elbow, Conduit 1/2 x 90 M/F	025045	-
6	Conduit	069737	-
7	1/2 UNY Explosion-proof Cond Union	N16289-20	-
8	Conduit, 1/2 X 6	021377	-
9	Screw, 1/4-20 X 1/2 HHC	K05287	-
10	Lock Nut, 1/2 NPT Machined	K89681	-
11	Washer Flat 0.875 X 1.62 X 0.056	N16599-59	-
12	Conduit, 1/2 X 3 NPS Threads.	021737	-
13	Elbow-Conduit, 1/2 X 90 F/F	025030	-
14	Conduit Tee	064830	-
15	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	R11979-39	-
16	Screw, 1/4-28 X 5/8 HHC	Q10624-37	-
17	Lock Washer-Ext 1/4 1114	068891	-
27	Non-Computer, Gallon	021079	-
	Non-Computer, Liter	021071	-
28	Pulser Assembly 10:1	046973	-
	Pulser Assembly 1:1	046969	-
	Pulser Assembly 100:1	046972	-
29	Screw, 1/4-20 X 5/8 HHC	K14830	-
31	Spacer	056877	-
32	Elbow, Conduit 1/2 X 45 M/F	025015	-
33	Conduit, 1/2 X 2	021337	-
36	Cover, Top, 9100AEK Master, Painted (See Note)	022479	-
	Cover, Top, 9100AEK Master, SS	022478	-
	Cover, Top, 9100AEK Mast/Aux, Painted (See Note)	022482	-
	Cover, Top, 9140AEK Mast/Aux, Painted (See Note)	022488	-
	Cover, Top, 9100AEK Mast/Aux, SS	022481	-
	Cover, Top, 9140AEK Mast/Aux, SS	022487	-
	Cover, Top, 9140AEK Mast/Split, Painted (See Note)	022486	-
	Cover, Top, 9140AEK Mast/Split, SS	022485	-
37	Screw, 5/16-18 X 3/4 HHC	Q10624-01	-
38	Lock Washer, 5/16 PL	K73278-28	-
39	Spacer, Top	056895	-

Item#	Part Description	Current Part	Previous Part
41	Gasket, 1/8 X 1/4 x 3' LG	027146	-
42	Term, Wire Spade #8 (16-14)-BLU	Q11024-02	-
43	Term, Wire Spade #6 (22-16)-RED	C01028	-
44	Square Cut Ring, #7-214	049001	-

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

Single and Dual (Dual Unit Shown)

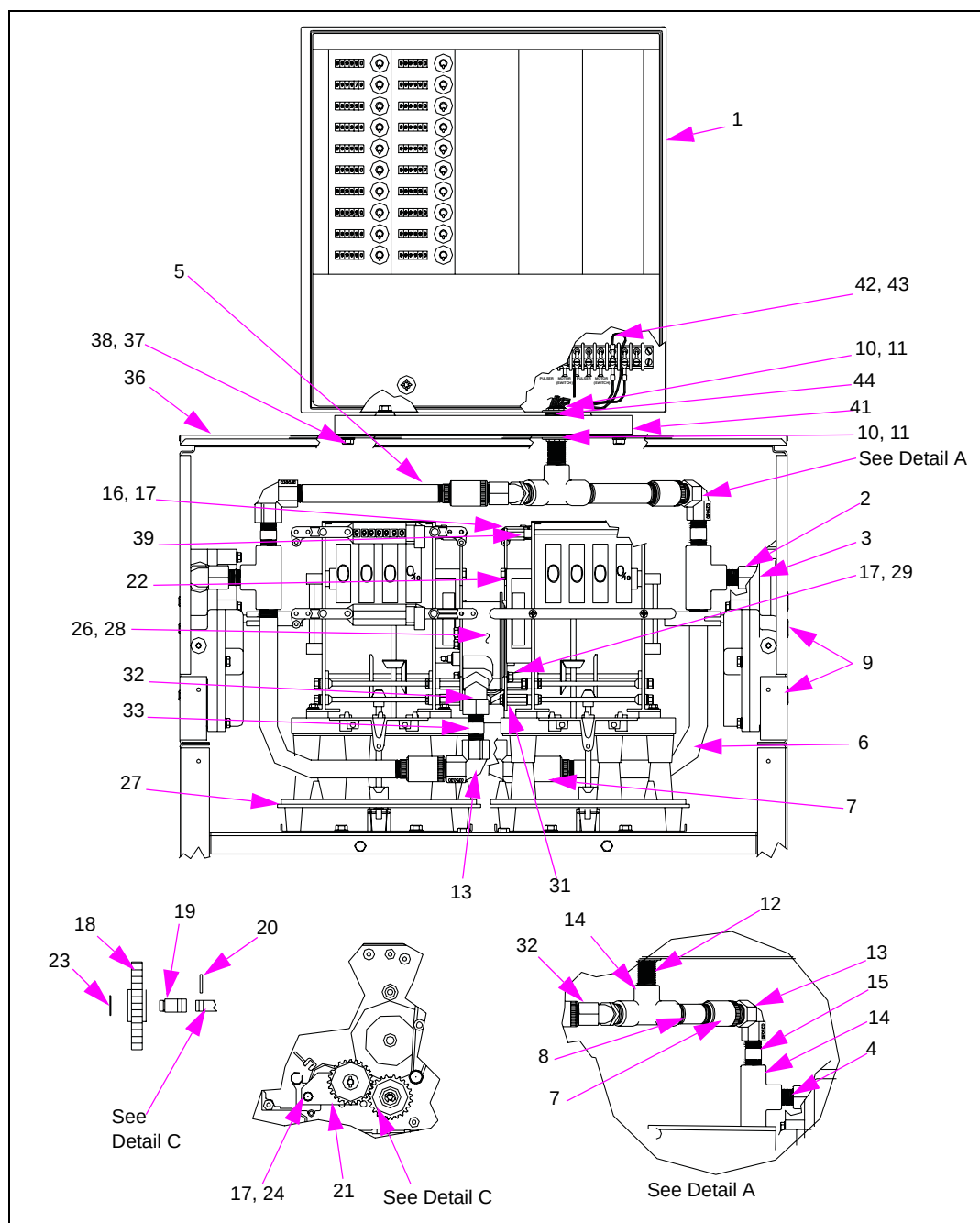


Item #	Part Description	Current Part	Previous Part
1	Electrical Keytrol	-	-
3	Reset Assembly 110 V 60 Hz EK Pump	048810	-
	Reset Assembly 230 V 60 Hz EK Pump	048811	-
	Reset Assembly 230 V 50 Hz EK Pump	048812	-
	Reset Assembly 110 V 60 Hz EK Dispenser	048813	-
	Reset Assembly 230 V 60 Hz EK Dispenser	048814	-
	Reset Assembly 230 V 50 Hz EK Dispenser	048815	-
4	Pipe TBE, 1/2 X 1-1/8 Zinc Plated	N16771-78	-
5	Elbow, Conduit 1/2 X 90 M/F	025045	-
6	Conduit, 9100ATW EK	069726	-
7	1/2 UNY Explosion-proof cond union	N16289-20	-
8	Conduit	021347	-
9	Screw, 1/4-20 X 1/2 HHC	K05287	-
10	Lock Nut, 1/2 NPT Machined	K89681	-
11	Washer Flat 0.875 X 1.62 X 0.056	N16599-59	-
12	Conduit, 1/2 X 3 NPS Threads	021737	-
13	Elbow, Conduit 1/2 X 90 F/F	025030	-
14	Conduit Tee	064830	-
15	Conduit, 1/2 X 2	021337	-
16	Screw, 1/4-28 X 5/8 HHC	Q10624-37	-
17	Lock Washer, Ext 1/4 1114	068891	-
18	Gear, Quantity	027041	-
19	Hub, Quan. Shaft Extension	031035	-
20	Pin, Spirol 5/64 X 7/16 STD PL	Q10038-35	-
21	Plate and Idler Gear Assembly	027044	-
22	Plate, Mounting	046970	-
23	Ring Ret 5133-25-ZF	K76238-41	-
24	Screw, 1/4-20 X 5/8 Wash HD Type-T	K85736-39	-
26	Decal, 10:1 Pulser	023596	-
27	Non-Computer, Gallon	021079	-
	Non-Computer, Liter	021071	-
28	Pulser Assembly 10:1	046973	-
	Pulser Assembly 1:1	046969	-
	Pulser Assembly 100:1	046972	-
29	Screw, 1/4-20 X 5/8 HHC	K14830	-
31	Spacer	056877	-
32	Elbow, Conduit 1/2 X 45 M/F	025015	-
33	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	R11979-39	-
36	Cover, Top 9100ATW Mast/Aux, Painted (See Note)	022619	-
	Cover, Top 9100ATW Mast/Aux, SS	022618	-
37	Screw, 5/16-18 X 3/4 HHC	Q10624-01	-
38	Lock Washer, 5/16 PL	K73278-28	-

Item #	Part Description	Current Part	Previous Part
39	Spacer, Top	056895	-
41	Gasket, 1/8 X 1/4 X 3 Ft Lg.	027146	-
42	Term, Wire Spade #8 (16-14)-BLU	Q11024-02	-
43	Term, Wire Spade #6 (22-16)-RED	C01028	-
44	Square Cut Ring, #7-214	049001	-

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

Split-twin Unit



Item#	Part Description	Current Part	Previous Part
1	Electrical Keytrol	-	-
2	Elbow, Conduit, 1/2" X 90° M/F	025045	-
3	Reset Assembly 110 V 60 Hz EK Pump	048810	-
	Reset Assembly 230 V 60 Hz EK Pump	048811	-
	Reset Assembly 230 V 50 Hz EK Pump	048812	-
	Reset Assembly 110 V 60 Hz EK Dispenser	048813	-
	Reset Assembly 230 V 60 Hz EK Dispenser	048814	-
	Reset Assembly 230 V 50 Hz EK Dispenser	048815	-
4	Pipe TBE, 1/2 X 1-1/8 Zinc Plated	N16771-78	-
5	Conduit, 1/2 X 8-3/4	021301	-
6	Conduit, 9100ATW EK	069726	-
7	1/2 UNY Explosion-proof Cond Union	N16289-20	-
8	Conduit, 1/2 X 6-3/4	021347	-
9	Screw, 1/4-20 X 1/2 HHC	K05287	-
10	Lock Nut, 1/2 NPT Machined	K89681	-
11	Washer Flat 0.875 X 1.62 X 0.056	N16599-59	-
12	Conduit, 1/2 X 3 NPS Threads	021737	-
13	Elbow, Conduit 1/2 X 90 F/F MCH	025030	-
14	Conduit Tee	064830	-
15	Conduit, 1/2 X 2	021337	-
16	Screw, 1/4-28 X 5/8 HHC	Q10624-37	-
17	Lock Washer, Ext 1/4 1114	068891	-
18	Gear, Quantity	027041	-
19	Hub, Quan. Shaft Extension	031035	-
20	Pin, Spirol 5/64 X 7/16 STD PL	Q10038-35	-
21	Plate and Idler Gear Assembly	027044	-
22	Plate, Mounting	046970	-
23	Ring Ret 5133-25-ZF	K76238-41	-
24	Screw, 1/4-20 X 5/8 Wash HD Type-T	K85736-39	-
26	Decal, 10:1 Pulser	023596	-
27	Non-Computer, Gallon	021079	-
	Non-Computer, Liter	021071	-
28	Pulser Assembly 10:1	046973	-
	Pulser Assembly 1:1	046969	-
	Pulser Assembly 100:1	046972	-
29	Screw, 1/4-20 X 5/8 HHC	K14830	-
31	Spacer	056877	-
32	Elbow, Conduit 1/2 X 45 M/F	025015	-
33	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	R11979-39	-

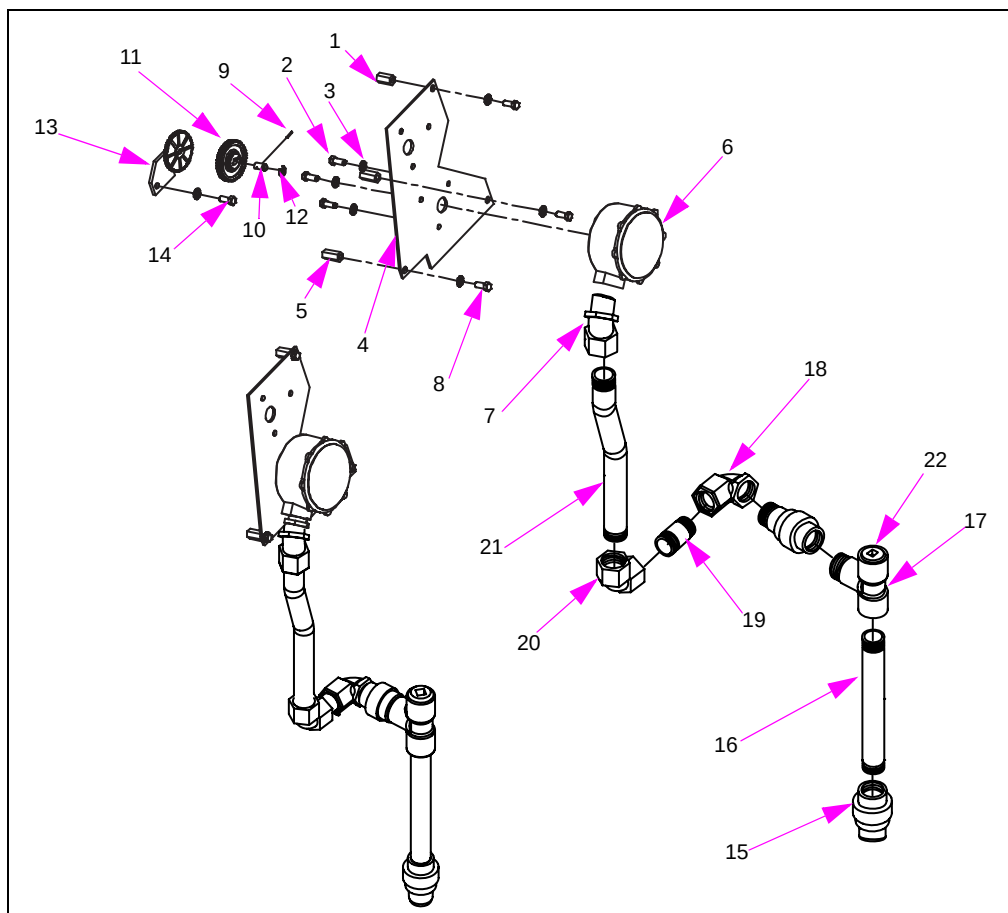
Item#	Part Description	Current Part	Previous Part
36	Cover, Top 9100ATW EK Master, Painted (See Note)	022486	-
	Cover, Top, SS, 9100ATW EK Master	022485	-
	Cover, Top 9100ATW Mast/Aux, Painted (See Note)	022619	-
	Cover, Top 9100ATW Mast/Aux, SS	022618	-
37	Screw, 5/16-18 X 3/4 HHC	Q10624-01	-
38	Lock Washer, 5/16 PL	K73278-28	-
39	Spacer, Top	056895	-
41	Gasket, 1/8 X 1/4 X 3 Ft Lg	027146	-
42	Term, Wire Spade #8 (16-14)-BLU	Q11024-02	-
43	Term, Wire Spade #6 (22-16)-RED	C01028	-
44	Square Cut Ring, #7-214	049001	-

Note: Specify standard color (black, white, red). If not a standard color, specify serial number of pump/dispenser.

This page is intentionally left blank.

Mechanical Pulser Option

Single Unit Volume



Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
1	Top Spacer	All	056895	-	1
2	Screw, Hex Head Cap, Finished	All	-	-	3
3	Washer, Lock Ext 1114	All	068891	-	6
4	Plate Mounting Pulser	All	046970	-	1
5	Spacer, 0.944	All	056877	-	2

Where Used:

All = All Mechanical Single Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

3 = Pulser 100:1, gallons, Retail only, (money)

4 = Pulser 100:1, gallons, Commercial and Retail, no EK

5 = Pulser 1:1, liters, Commercial only, no EK

6 = Pulser 1:1, liters, Commercial only, with EK

Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
6	Pulser and Coupling Assembly				
	• Pulser and Coupling Assembly 10:1 Volume	1	046973	-	1
	• Pulser and Coupling Assembly 100:1 Volume	4	046972	-	1
	• Pulser and Coupling Assembly 1:1 Volume	5	046969	-	1
7	Elbow Conduit 1/2 X 45 M/F	All except 3	025015	-	1
8	Screw, Hex Head Cap, Finished	All	-	-	3
9	Pin, Spirol 5/64 X 7/16 STD PL	All	Q10038-35	-	1
10	Hub-Quan. Shaft Extension	All	031035	-	1
11	Gear, Quantity	All	027041	-	1
12	Ring Ret 5133-25-ZF	All	K76238-41	-	1
13	Plate and Idler Gear Assembly	All	027044	-	1
14	Screw, Hex, Washer Head 1/4-2	All	-	-	1
15	Union Conduit M & F 1/2	All	Q10016-04	-	1
16	Nipple Conduit	1, 3, 4, 5	R11976-57	R11976-74	1
17	Conduit Tee, Machined	All	064830	-	1
18	Elbow Conduit 1/2 X 90 M/F	1, 3, 4, 5	025045	-	1
19	Nipple Conduit 1/2 X 1-5/8	1, 3, 4, 5	R11976-43	-	1
20	Elbow Conduit 1/2 X 90 F SPT	1, 3, 4, 5	K42428	-	1
21	Conduit	1, 4	M05292B001	-	1
22	Plug Pipe 1/2 SQ Socket	1, 3, 4, 5	K43850	-	1
<i>Not Shown</i>					
23	Tie Wrap	All	C08682	-	1
24	Conduit 1/2 X 3	2, 6	038125	-	1
25	Conduit, EK	2, 6	M05221B001	-	1
26	Conduit Formed	3, 4, 5	M05368B001	-	1
27	Washer, Flat 0.875 X 1.62 X 0.56	2, 6	N16599-59	-	2
28	Conduit 1/2 - 3-3/4 NPS	2, 6	021737	-	1
29	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	2, 6	R11979-39	-	1
30	Elbow Conduit 1/2 X 90 F/, F	2, 6	025030	-	3

Where Used:

All = All Mechanical Single Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

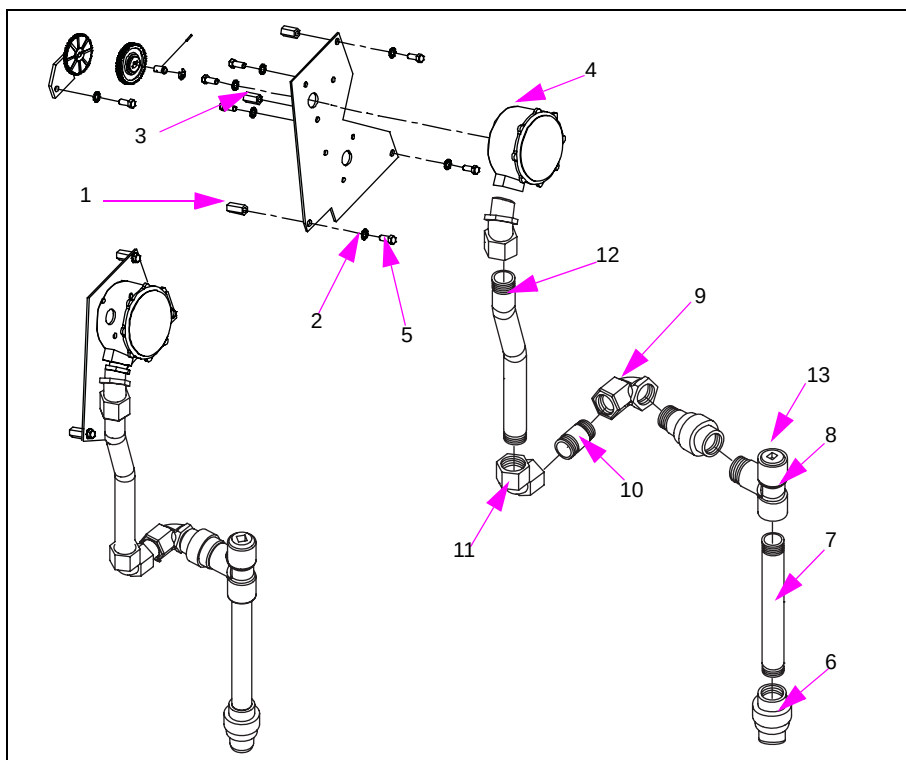
3 = Pulser 100:1, gallons, Retail only, (money)

4 = Pulser 100:1, gallons, Commercial and Retail, no EK

5 = Pulser 1:1, liters, Commercial only, no EK

6 = Pulser 1:1, liters, Commercial only, with EK

Single Unit Money



Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
1	Top Spacer	All	056895	-	1
2	Washer, Lock Ext 1114	All	068891	-	1
3	Spacer, 0.944	All	056877	-	1
4	Kit, Pulser VR 312020-924 100:1 Money	4	032942	-	1
5	Screw, Hex Head Cap, Finished	All	-	-	3
6	Union Conduit M&F 1/2	All	Q10016-04	-	1
7	Nipple Conduit	1, 3, 4, 5	R11976-57	R11976-74	1
8	Conduit Tee, Machined	All	064830	-	1
9	Elbow Conduit 1/2 X 90 M/F	1, 3, 4, 5	025045	-	1
10	Nipple Conduit 1/2 X 1-5/8	1, 3, 4, 5	R11976-43	-	1
11	Elbow Conduit 1/2 X 90 F SPT	1, 3, 4, 5	K42428	-	1
12	Conduit Formed	3, 4, 5	M05368B001	-	1
13	Plug Pipe 1/2 SQ Socket	1, 3, 4, 5	K43850	-	1
<i>Not Shown</i>					
14	Tie Wrap	All	C08682	-	1

Where Used:

All = All Mechanical Single Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

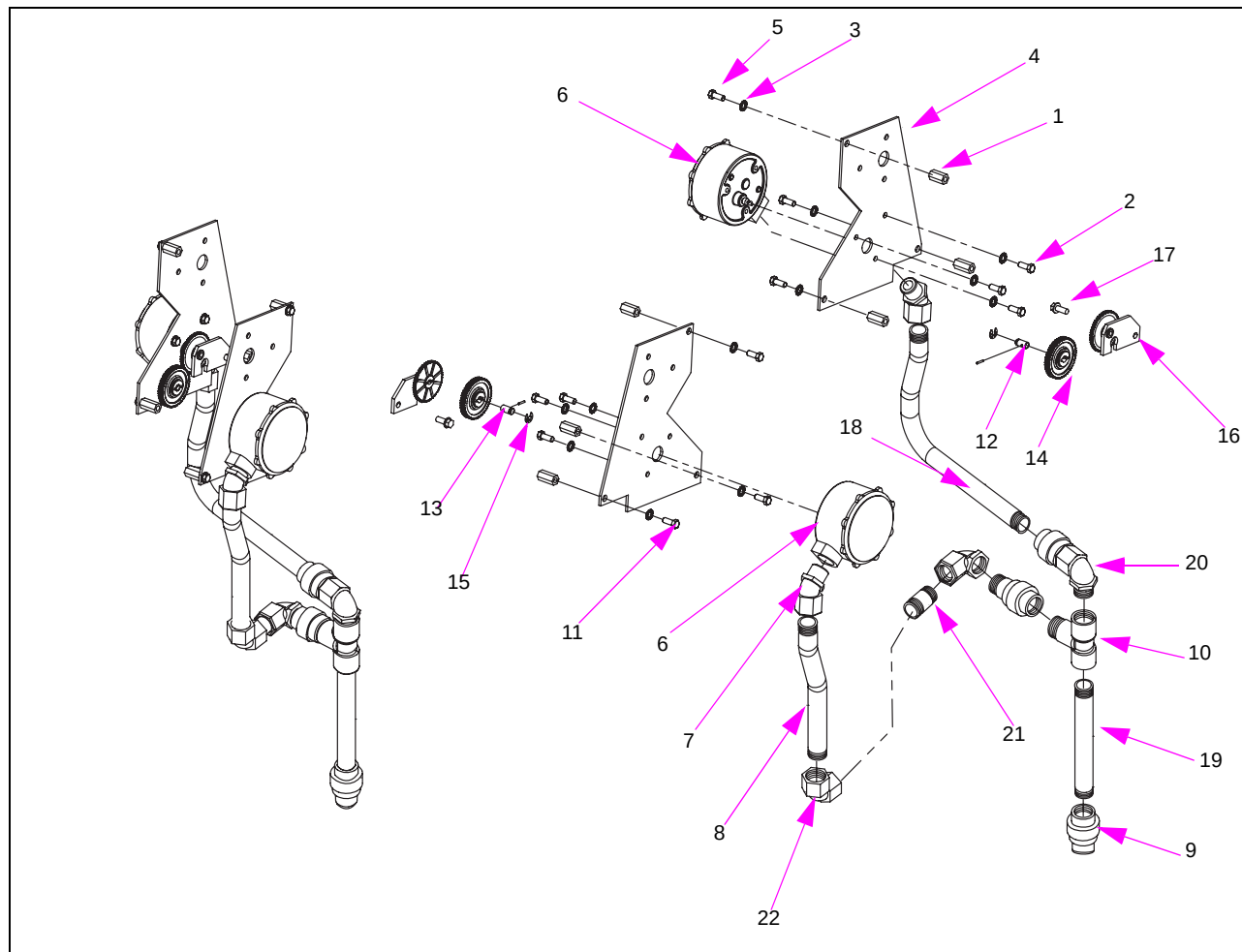
3 = Pulser 100:1, gallons, Retail only, (money)

4 = Pulser 100:1, gallons, Commercial and Retail, no EK

5 = Pulser 1:1, liters, Commercial only, no EK

6 = Pulser 1:1, liters, Commercial only, with EK

Dual Unit Volume



Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
1	Top Spacer	All	056895	-	2
2	Screw, Hex Head Cap, Finished	All	-	-	6
3	Washer, Lock Ext 1114	All	068891	-	12
4	Plate Mounting Pulser	All	046970	-	2
5	Spacer, 0.944	All	056877	-	4
6	Pulser and Coupling Assembly				
	• Pulser and Coupling Assembly 10:1 Volume	1	046973	-	2
	• Pulser and Coupling Assembly 100:1 Volume	5	046972	-	2
	• Pulser and Coupling Assembly 1:1 Volume	6	046969	-	2

Where Used:

All = All Mechanical Dual Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

3 = Pulser 100:1, gallons, Commercial only, split with EK

4 = Pulser 100:1, gallons, Retail only, (money)

5 = Pulser 100:1, gallons, Commercial and Retail, no EK

6 = Pulser 1:1, liters, Commercial only, no EK

7 = Pulser 1:1, liters, Commercial only, with EK

8 = Pulser 1:1, liters, Commercial only, split with EK

Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
7	Elbow Conduit 1/2 X 45 M/F	All except 4	025015	-	2
8	Conduit	1, 6	M05292B001	-	1
9	Union Conduit M&F 1/2	All	Q10016-04	-	varies per pulser
10	Conduit Tee, Machined	All	064830	-	varies per pulser
11	Screw, Hex Head Cap, Finished	All	-	-	6
12	Pin, Spirol 5/64 X 7/16 STD PL	All	Q10038-35	-	2
13	Hub-Quan. Shaft Extension	All	031035	-	2
14	Gear, Quantity	All	027041	-	2
15	Ring Ret 5133-25-ZF	All	K76238-41	-	2
16	Plate and Idler Gear Assembly	All	027044	-	2
17	Screw, Hex, Washer Head 1/4-2	All	-	-	2
18	Conduit	1, 5, 6	M05293B001	-	1
19	Nipple Conduit	1, 4, 5, 6	R11976-57	R11976-74	1
20	Elbow Conduit 1/2 X 90 M/F	1, 4, 5, 6	025045	-	2
21	Nipple 3/4 X 3-3/8	1, 4, 5, 6	R11496-43	-	1
22	Elbow Conduit 1/2 X 90 F SPT	1, 4, 5, 6	K42428	-	1
Not Shown					
23	Tie Wrap	All	C08682	-	2
24	Pipe TBE, 1/2 X 1-1/8 Zinc Plated	2, 3, 7, 8	N16771-78	-	2
25	Conduit 9100 ATW Electrical Keytrol	2, 3, 7, 8	069726	-	2
26	Lock Nut, 1/2 NPT Machined	2, 3, 7, 8	K89681	-	4
27	Washer, Flat 0.875 X 1.62 X 0.56	2, 3, 7, 8	N16599-59	-	4
28	Conduit 1/2 - 3-3/4 NPS	2, 3, 7, 8	021737	-	2
29	Elbow Conduit 1/2 X 90 F, F	2, 3, 7, 8	025030	-	6
30	Conduit 1/2 X 2	2, 3, 7, 8	021337	-	2
31	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	2, 3, 7, 8	R11979-39	-	2
32	Conduit 1/2 X 8-3/4	3, 8	021301	-	1
33	Conduit	6	M05293B001	-	1

Where Used:

All = All Mechanical Dual Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

3 = Pulser 100:1, gallons, Commercial only, split with EK

4 = Pulser 100:1, gallons, Retail only, (money)

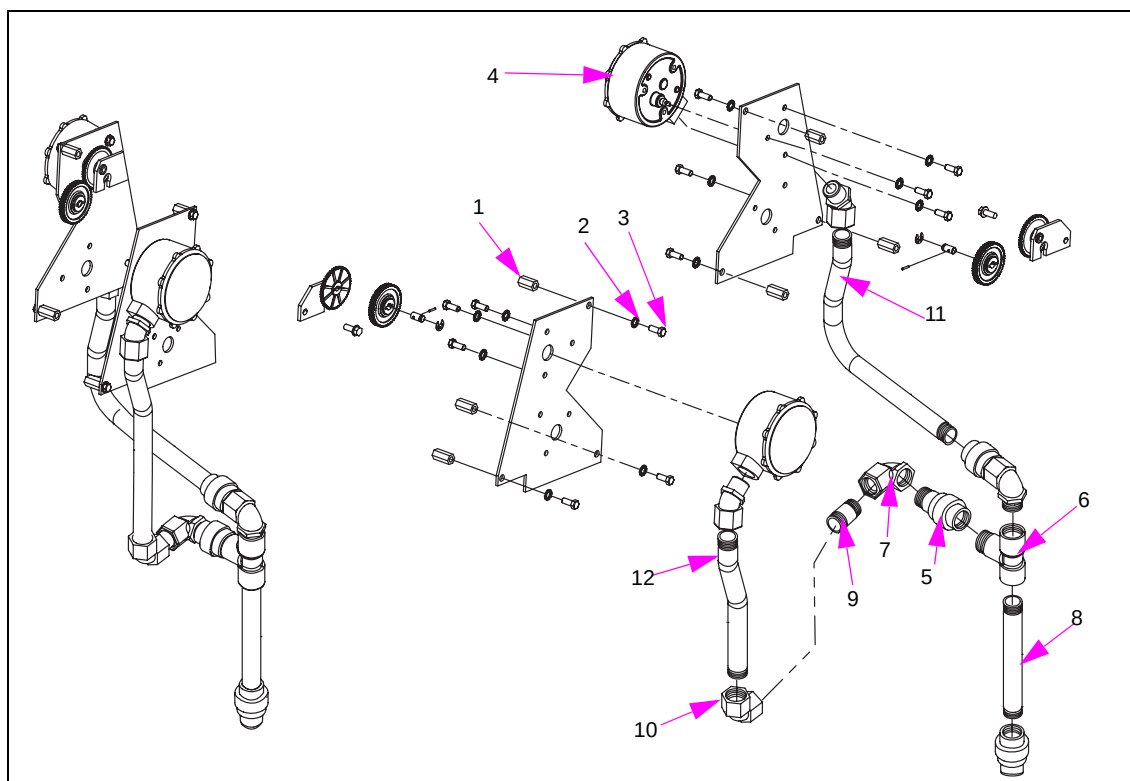
5 = Pulser 100:1, gallons, Commercial and Retail, no EK

6 = Pulser 1:1, liters, Commercial only, no EK

7 = Pulser 1:1, liters, Commercial only, with EK

8 = Pulser 1:1, liters, Commercial only, split with EK

Dual Unit Money



Item #	Part Description	Where Used	Current Part	Previous Part	Quantity
1	Top Spacer	All	056895	-	2
2	Washer, Lock Ext 1114	All	068891	-	6
3	Spacer, 0.944	All	056877	-	4
4	Kit, Pulser VR 312020-924 100:1 Money	4	032942	-	2
5	Union Conduit M&F 1/2	All	Q10016-04	-	2
6	Conduit Tee, Machined	All	064830	-	1
7	Elbow Conduit 1/2 X 90 M/F	1, 4, 5, 6	025045	-	2
8	Nipple Conduit	1, 4, 5, 6	R11976-57	R11976-74	1
9	Nipple 3/4 X 3-3/8	1, 4, 5, 6	R11496-43	-	1
10	Elbow Conduit 1/2 X 90 F SPT	1, 4, 5, 6	K42428	-	1
11	Conduit, Formed	4	M05368B001	-	1
12	Conduit, Formed	4	M05369B001	-	1
Not Shown					
13	Tie Wrap	All	C08682	-	2
14	Screw, Hex Head Cap, Finished	All	-	-	6

Where Used:

All = All Mechanical Dual Units

1 = Pulser 10:1, gallons, Commercial and Retail, no EK

2 = Pulser 10:1, gallons, Commercial only, with EK

3 = Pulser 100:1, gallons, Commercial only, split with EK

4 = Pulser 100:1, gallons, Retail only, (money)

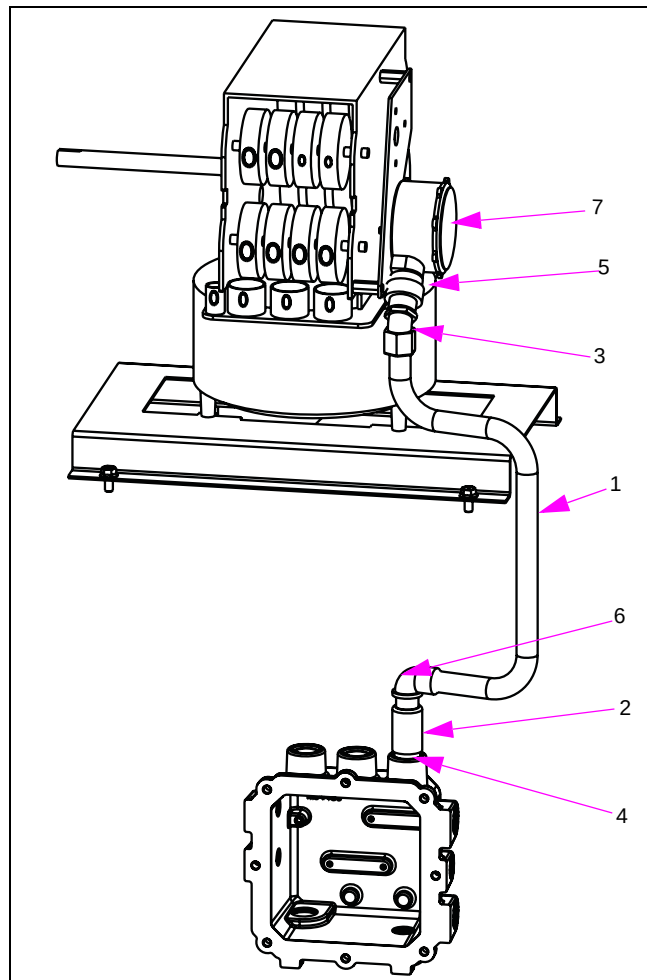
5 = Pulser 100:1, gallons, Commercial and Retail, no EK

6 = Pulser 1:1, liters, Commercial only, no EK

7 = Pulser 1:1, liters, Commercial only, with EK

8 = Pulser 1:1, liters, Commercial only, split with EK

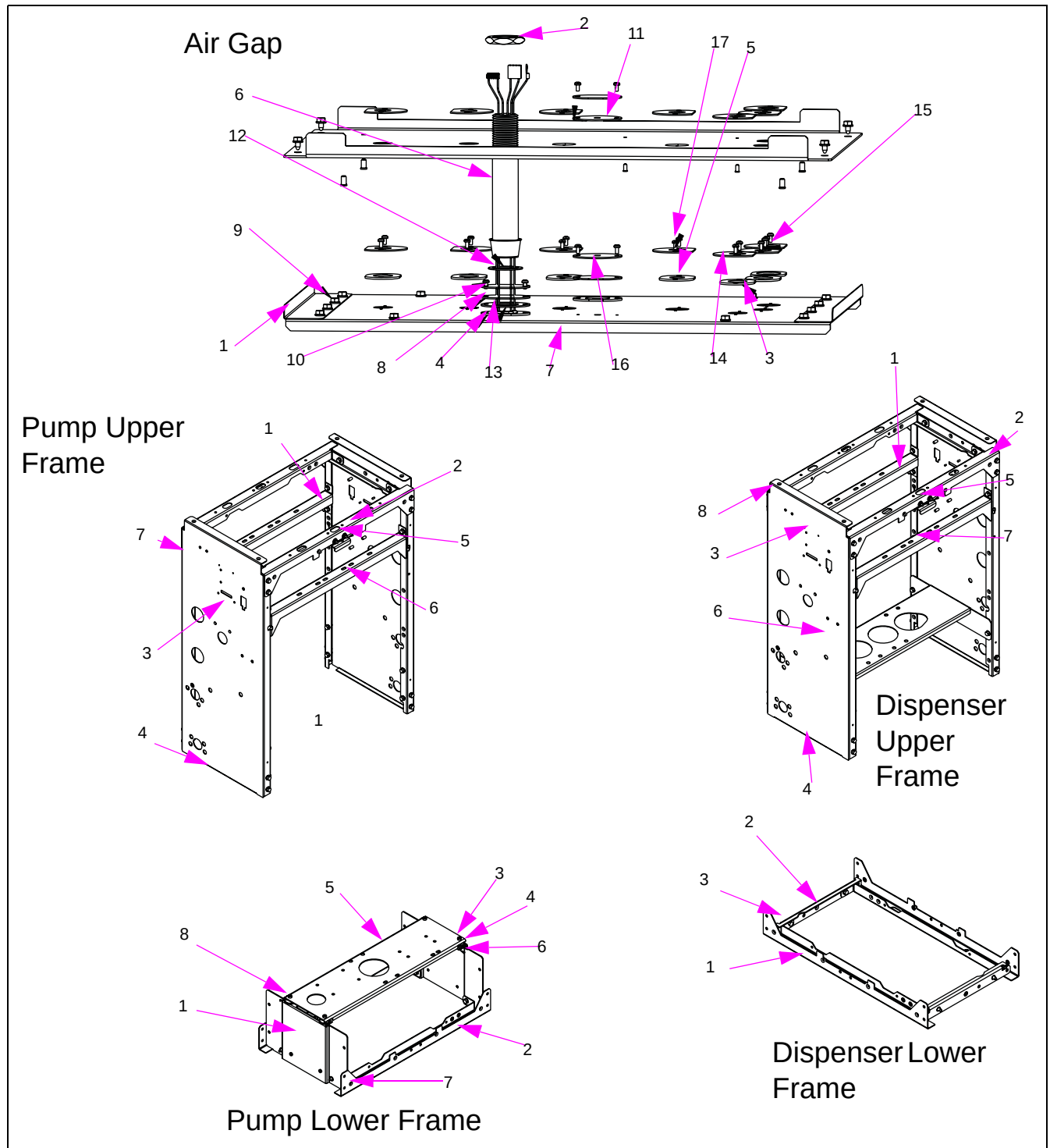
Super-Hi Volume



Item #	Part Description	Current Part	Previous Part	Quantity
1	Conduit, Pulser Mech Super-HI	M07356B001	-	1
2	Expansion Union (Conduit)	N16289-20	-	1
3	Elbow, Conduit 1/2 X 45	025015	-	1
4	Bushing, Reducing 3/4 - 1/2	K49827	-	1
5	Union, Conduit 1/2 Inch	Q10016-04	-	1
6	Elbow, 1/2 X 90 M X F	K42448	-	1
7	Pulser Assembly 10:1 Volume	046973	-	1
	Pulser Assembly 100:1 Volume	046972	-	1
	Pulser Assembly 1:1 Volume	046969	-	1

This page is intentionally left blank.

Ultra-Hi Frame Section



Dispenser Frame

Dispenser Lower Frame

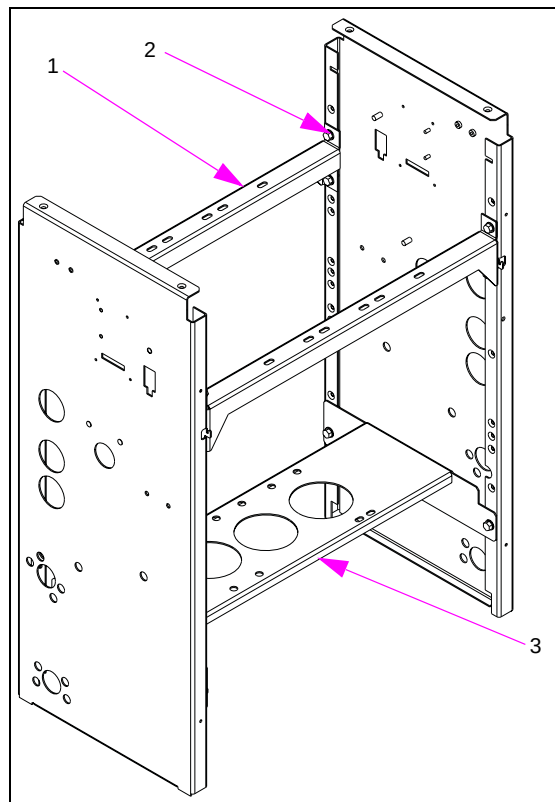
Item #	Part Description	Current Part	Previous Part	Quantity
1	Base Rail Frame Support	M04460B001	-	2
2	Column Cross Support Bracket	M04251B001	-	2
3	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	4

Dispenser Upper Frame

Item #	Part Description	Current Part	Previous Part	Quantity
1	Base Rail Frame Support	M04460B001	-	2
2	Bracket, Lower Panel Lock	M04774A001	-	2
3	Column Cross Support Bracket	M04251B001	-	2
4	Column, Lower Frame	M06628A001	-	2
5	Nut, Metric, Hex Serrd Flg (M8)	M00414B003	-	4
6	Plate, Inlet Fitting Support	M05538B001	-	1
7	Rail Meter Support	M05537B001	-	2
8	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	40

Ultra-Hi Dispenser Lower Hydraulic Upper Frame

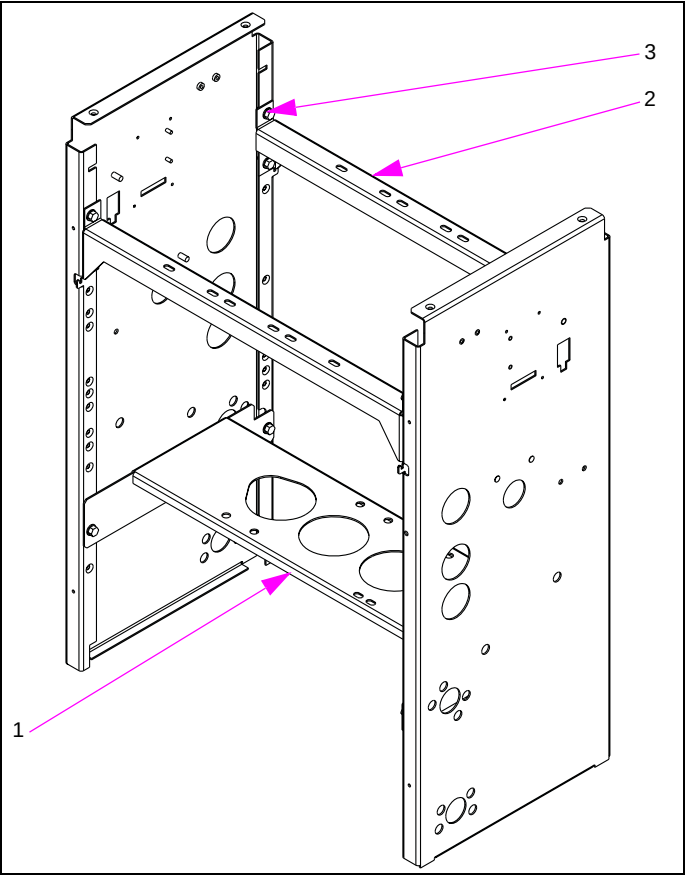
Note: Units built after 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Rail Meter Support	M05537B001	-	2
2	Screw, Metric M8 X 18	M00417B009	-	16
3	Plate Inlet Ftg Support	M05538B001	-	1

Ultra-Hi 9853 KXTW1 Lower Hydraulic Upper Frame

Note: Units built after 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Plate Inlet Ftg Support	M05538B001	-	1
2	Rail Meter Support	M05537B001	-	2
3	Screw, Metric M8 X 18	M00417B009	-	16

Self-contained Pump Frame

Pump Lower Frame

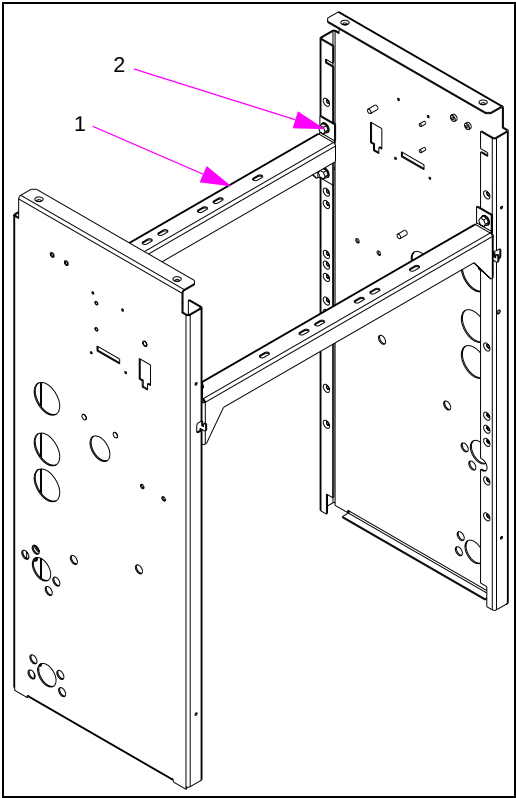
Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly Lower Frame Base	M04868A001	-	2
2	Base Rail Frame Support	M04460B001	-	2
3	Flat Washer Metric - Yellow Chromate	M00959B019	-	4
4	Flat Washer Metric - M8 Zinc Plate	M00959B008	-	4
5	Plate, Pump Support	M05536A001	-	1
6	Screw Metric M8 X 40	M00415B017	-	4
7	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	4
8	Universal Isolation Mount	M04871B001	-	4

Pump Upper Frame

Item #	Part Description	Current Part	Previous Part	Quantity
1	Base Rail Frame Support	M04460B001	-	2
2	Bracket, Lower Panel Lock	M04774A001	-	2
3	Column Cross Support Bracket	M04251B001	-	2
4	Column, Lower Frame	M06628A001	-	2
5	Nut, Metric, Hex Serrd Flg (M8)	M00414B003	-	4
6	Rail Meter Support	M05537B001	-	2
7	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	44

Ultra-Hi Self-contained Lower Hydraulic Frame

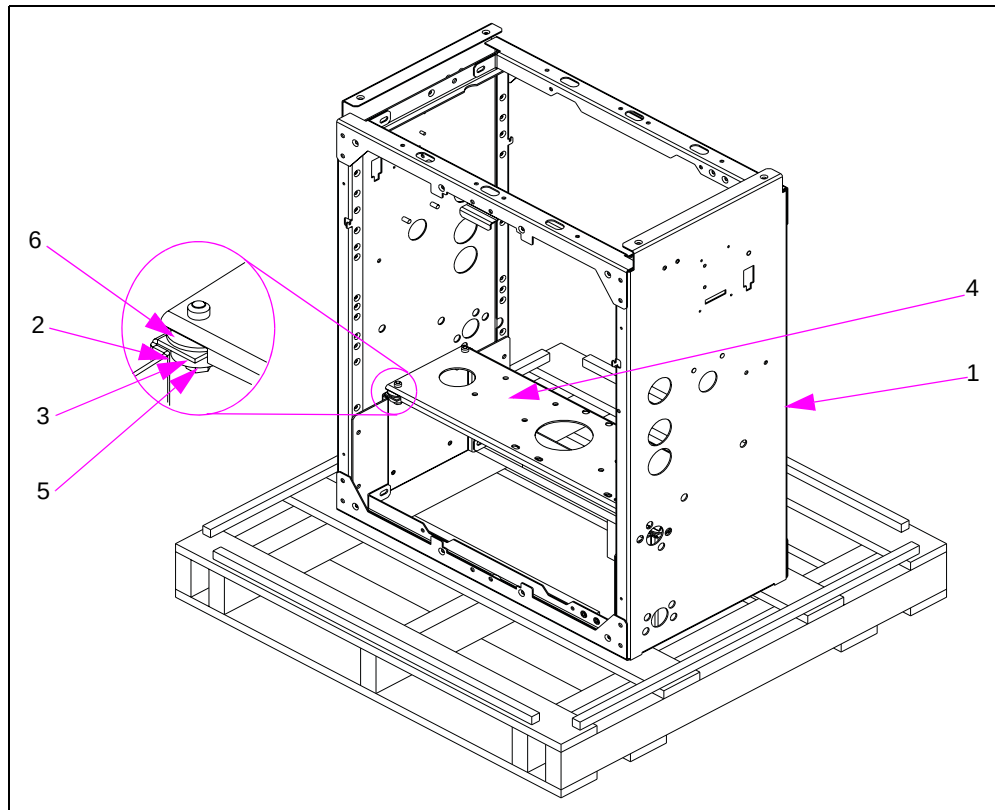
Note: For units built after 12/11/2008.



Item #	Part Description	Current Part	Previous Part	Quantity
1	Rail Meter Support	M05537B001	-	2
2	Screw, Metric M8 X 18	M00417B009	-	12

Lower Welded Frame - Ultra-Hi (Self-contained)

Note: Units built after 12/11/2008.



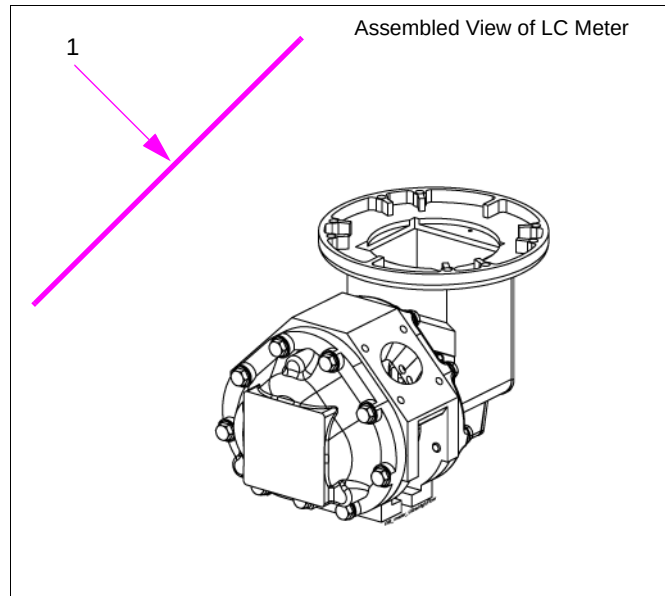
Item #	Part Description	Current Part	Previous Part	Quantity
1	Assy, Frame Weldment	M08928A012	-	1
2	Mount, Universal	M04871B001	-	4
3	Flat Washer	M00959B008	-	4
4	Assy, Pump Support Plate	M05536A001	-	1
5	Screw Metric M8 X 40	M00415B017	-	4
6	Washer, Flat M20 STL ZNPL	M00959B019	-	4

Air Gap

Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket Vapor Barrier Lower Plate	M05682B001	-	2
2	Conduit Nut 1-11 1/2 NPSL	N23655-01	-	1
3	Gasket, Conduit Seal	N23761-01	-	4
4	Gasket, Conduit Seal	N23761-02	-	3
5	Gasket, Conduit Seal	N23761-03	-	2
6	I.S. Barrier Assembly Front Load	C06766	-	6
7	Plate Vapor Barrier Lower	M05540B002	-	1
8	Plate, Conduit Seal	N23746-01	-	4
9	Screw, TF, Hex Washer HD M6 X 10	M00417B004	-	16
10	Screw, TF, PPHD M4 X 8	M00417B224	-	20
11	Upper Vapor Barrier ATC and FRT Load	M05539A002	-	1
12	Washer Mach 1.353 X 1.75 X 0.06	M05539A002	-	1
13	Washer, Conduit Seal	N23760-03	-	1
14	Washer, Conduit Seal	N23760-04	-	8
15	Washer, Conduit Seal	N23760-05	-	2
16	Washer, Conduit Seal	N23760-07	-	2
17	Washer, Conduit Seal	N23760-01	-	4

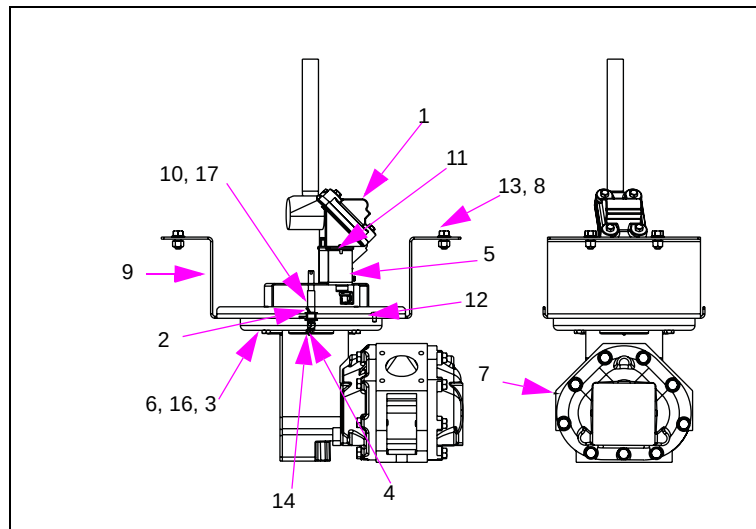
Ultra-Hi Meter and Pulser Section

LC Meter



Item #	Description	Current Part	Previous Part	Quantity
1	LC Meter Assembly	T18767	-	1

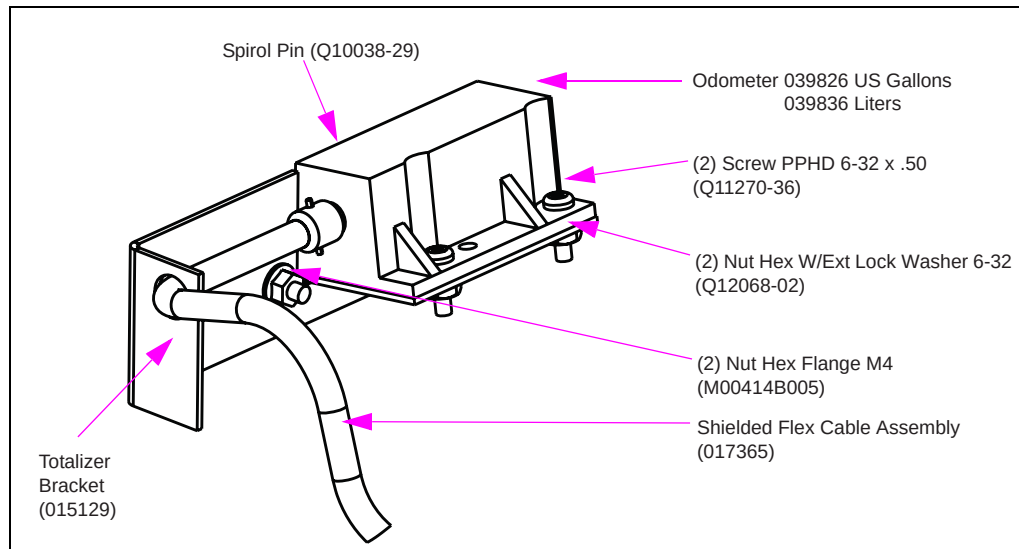
Meter and Pulser Assembly



Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly Pulser Conduit	M05689A001	-	1
		M05689A002 (see note)	-	1
2	Bearing, Flange	011948	-	1
3	Bolt Hex HD Finished 1/4-20 X 1.25	K01914-28	-	4
4	Coupling Drive	022073	-	1
5	Gear Train Assembly 9850A (Gal)	028212	-	1
	Gear Train Assembly 9850A (Liters)	028211	-	1
6	Nut, Hex 1/4-20	K01941	-	4
7	Meter, Liquid Controls	T18767	-	1
8	Nut Hex w/Ext Lock Washer 5/16-18 THD	Q12068-06	-	4
9	Platform, Meter	M05542B001	-	1
		M05542B002 (see note)	-	1
10	Retaining, Meter	K76238-37	-	2
11	Screw, PPMD TMD Forming 6 - 32 X 0.38	Q11769-15	-	2
12	Screw, PPMD Type F Thd Cutting 8 - 32 X 0.25	053017	-	4
13	Screw, Hex Screw Flng Hd 5/16 - 18 X 0.62	Q10253-02	-	4
14	Shaft - 9850 Pulser	054033	-	1
15	Spirol Pin	Q10038-26	-	1
16	Washer Spring Lock 1/4 in	K73278-29	-	4
17	Washer SS	N16599-124	-	2
18	Gear, Spur 60T	028202	-	1

Note: This part is for 9850KXTW1. Units built after August 2007.

Mechanical Totalizer

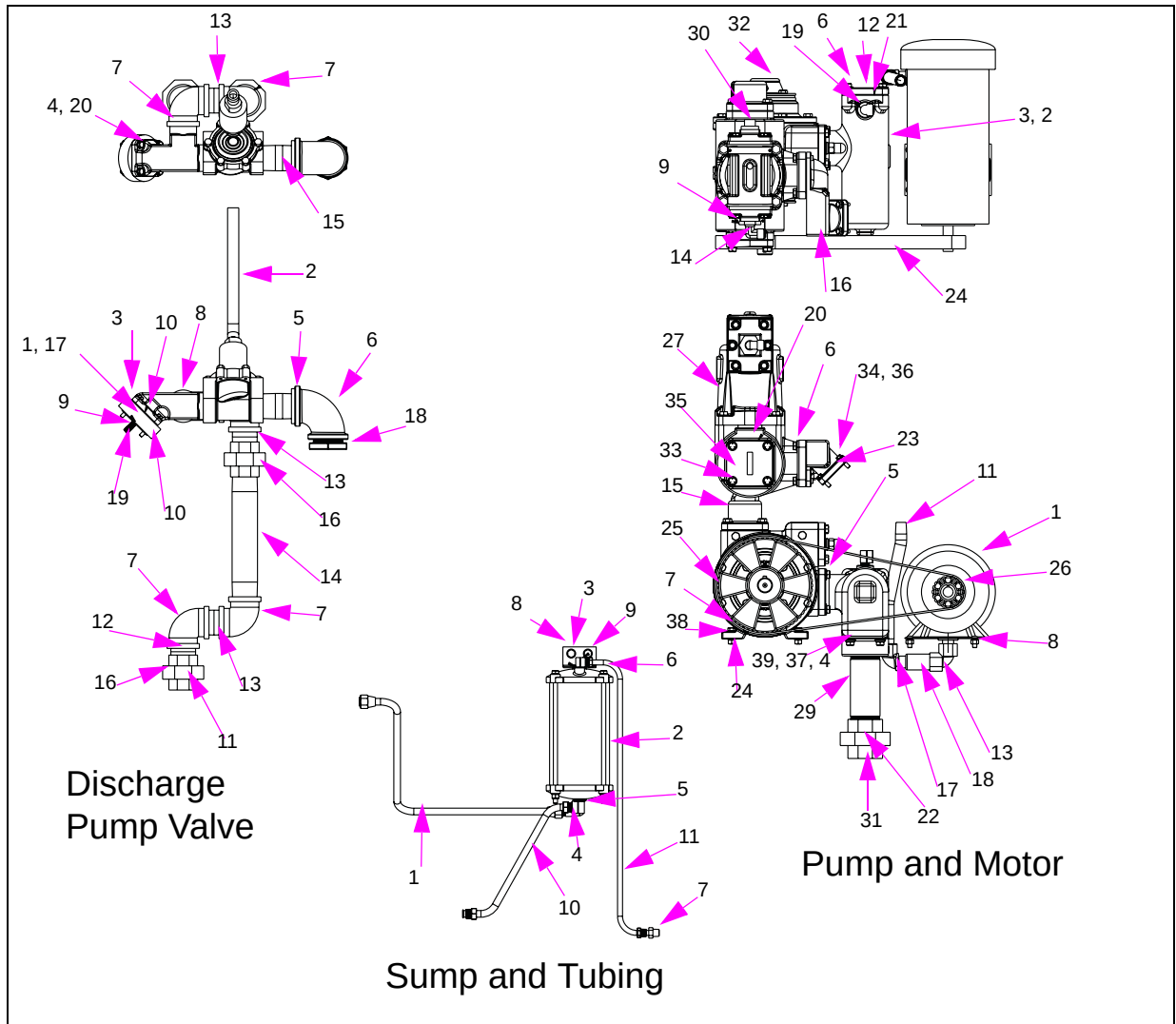


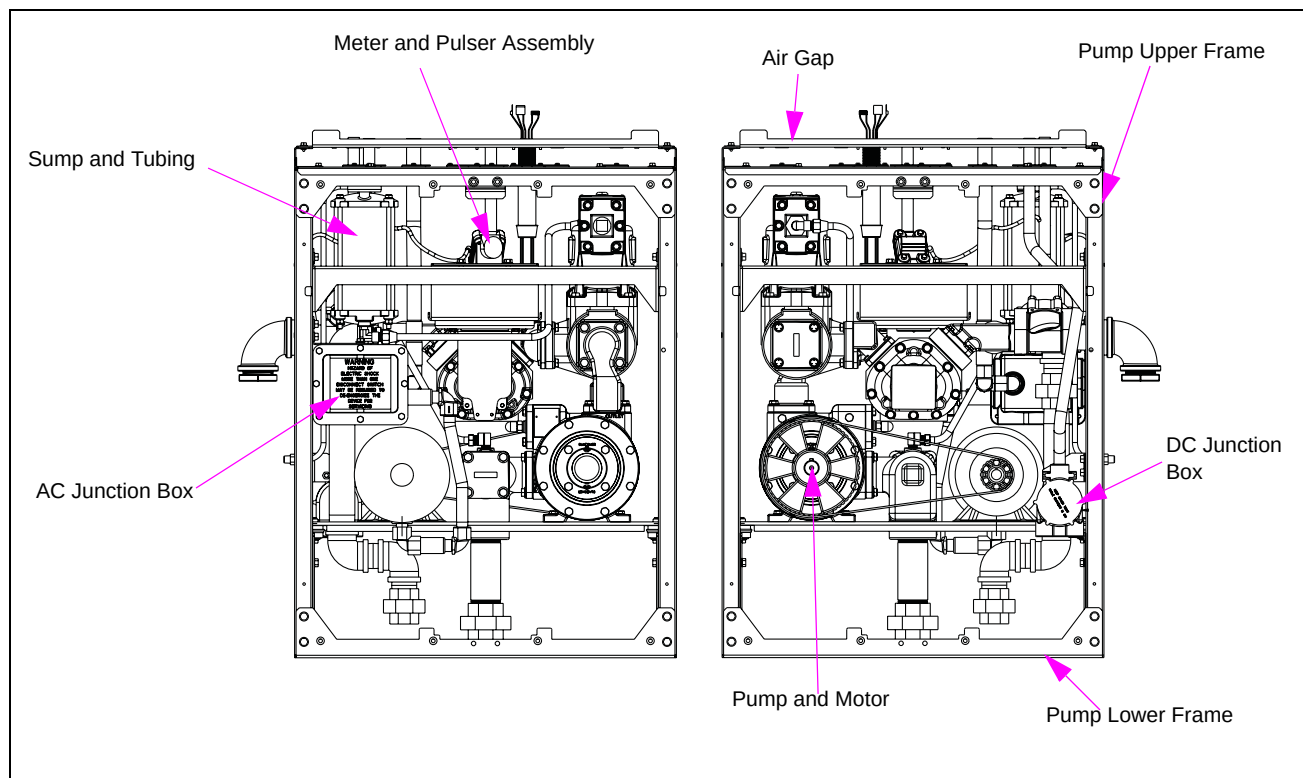
Description	Current Part	Previous Part	Quantity
Not Shown			
Totalizer Window	069077	-	1
Cotter Pin-Meter Gear	K02137-29	-	1

This page is intentionally left blank.

Ultra-Hi Hydraulics Section

9850K Self-contained Pump





Pump and Motor

Item #	Part Description	Current Part	Previous Part	Quantity
1	Motor, 1 - 1/2 HP 230 V 1PH 60Hz	F37340	-	1
2	Assembly, Strainer 150	063369	-	1
3	Base - Pump (Strainer Housing)	003071	-	3
4	Bolt Hex Hd Finished 3/8-16 X 0.88	K47659	-	2
5	Bolt Hex Hd Finished 3/8-16 X 1.00	K01902	-	8
6	Bolt Hex Hd Finished 3/8-16 X 1.25	K01903	-	12
7	Bolt Hex Hd Finished 5/16-18 X 1.00	K07565	-	4
8	Bolt, Carriage 5/16 -18 X 3/4	013030	-	4
9	Bushing, Hex Reducer	017169	-	1
10	Pipe TBE, 1/2 X 1-1/2 Zinc Plated	R11979-39	-	1
11	Conduit Pump Motor	M05602B001	-	1
12	Cover, Base Pump (Strained Housing)	003502	-	2
13	Elbow-conduit 1/2 X 90 F/f Casting	005030	-	1
14	Elbow Flanged	003603	-	1
15	Elbow Flanged	003602	-	1
16	Elbow 90 Flare Male Pipe 3/4	Q10001-20	-	1
17	Elbow-conduit 1/2 X 90 Deg.	025045	-	1
18	Expansion Union (Conduit)	N16289-20	-	1
19	Fitting 1/2 Ct Elb Inv Fl	026045	-	1
20	Gasket- Flange (2-3/4)	027363	-	1
21	Gasket - Flange (2)	027361	-	5
22	Gasket-suction Seal	054205	-	1
23	Gearbelt	012129	-	1
24	Gearbelt, Pulley	047611	-	1
25	Gearbelt Pulley	047612	-	1
26	Lc P9567 Air Elim/strnr Assembly (includes A8196)	063287	-	1
27	Nut Hex w/ext Lock Washer 5/16 - 18 Thd	Q12068-06	-	8
28	Pipe 2 X 1-1/4	044951	-	1
29	Pipe Plug Square Head 1	K02283	-	1
30	Pump Blackmer x 2UA	M04731B101	-	1
31	Screw 3/8 - 16 x 1 1/4 HHC ZP Grd - 5	052020	-	4
32	Screw - 1/4 - 20 x 1	063284	-	1
33	Pipe Union, Female	K22468	-	1
34	Scr 3/8 -16x 1 1-4 Hhc Zp Grd-5	052020	-	4
35	Strainer Basket 40 Mesh L/c	063284	-	1
36	Washer 21/64 X 19/32 X 1/16 P	068605	-	4
37	Washer 3/8 Sae - N 0.81 X 0.41 X 0.06	K66314	-	22
38	Washer 5/16 Sae - N 0.69 X 0.34 X 0.06	K65235-33	-	8
39	Washer Spring Lock 3/8 In.	K73278-25	-	2

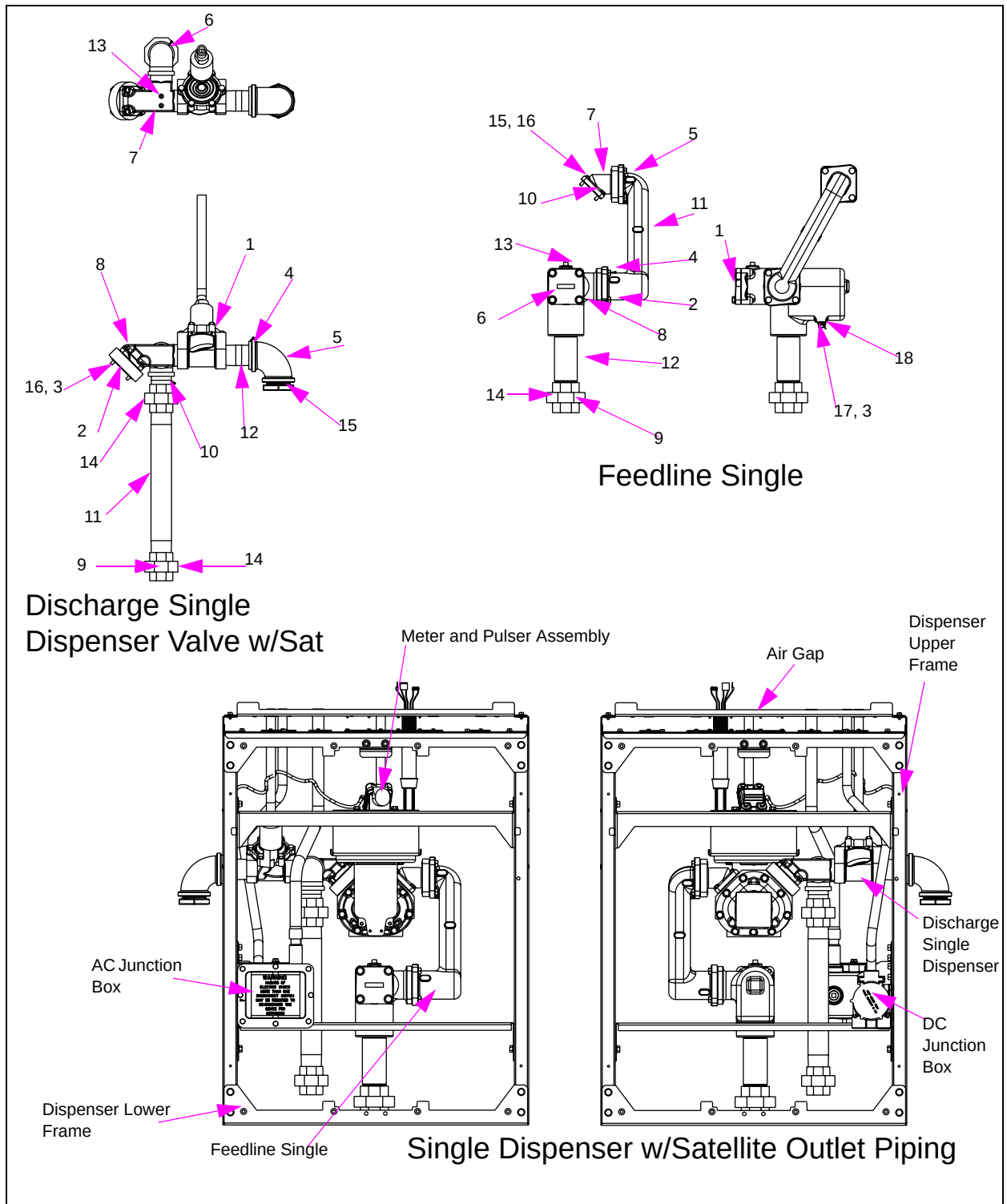
Discharge Pump Valve

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly Check Valve Stem	062472	-	1
2	Assembly Conduit Valve Single 115 V	M05687A001	-	1
	Assembly Conduit Valve Single 230 V	M05687A002	-	1
3	Body - Check Valve	012003	-	1
4	SCR 1/4-20 X 2 HHC	K01914-71	-	4
5	Discharge Grommet	028975	-	1
6	Elbow 1 1/2 X 1 1/4 X 90 Painted Red	Z07941	-	1
7	Elbow 1-1 1/2 90 150 Psi Mi	K46046	-	4
8	Elbow, Meter Discharge	003608	-	1
9	Nut Hex Self Lock 10-32	Q10218-05	-	1
10	Gasket Seal Suction; 2-7/16	054190	-	1
11	Gasket Flange(1-1/2")	027362	-	2
12	Nipple Fe Pipe 1 1/2 X 1.50	R11493-22	-	1
13	Nipple Fe Pipe 1 1/2 X 1.75	R11493-77	-	3
14	Nipple Fe Pipe 1/2 X 10.00	R11493-96	-	1
15	Nipple Fe Pipe 1 1/2 X 3.75	R11493-26	-	1
16	Pipe Union, Female	K12179	-	2
17	Plate Plunger Check Valve	046050	-	1
18	Reducing Bushing Hex 1 1/4 X 1	K02309-22	-	1
19	Spring - Compression	057897	-	1
20	Washer 21/ 64 X 19/ 32 X 1/16 P	068605	-	4

Sump and Tubing

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Tube Supply	M06615A001	-	1
2	Assembly, Float Chamber - 150	026474	-	1
3	Bracket Sump	M05577B001	-	1
4	Elbow 90 Flare Male Pipe 3/4	Q10001-21	-	1
5	Fitting, 1/2 Ct Elb Inv Fl	026045	-	1
6	Fitting, 3/8 Ct Elb Inv Fl	026044	-	1
7	Fittings - Tube, Male Connector Inverted Flare	026047	-	1
8	Screw, Hex Ser Flng Hd 5/16 - 18 X 0.62	Q10253-02	-	1
9	Screw, Tf, Hex Washer Hd M8 X 18	M00417B009	-	2
10	Tube Assembly Return	M05624A001	-	1
11	Tube Assembly Vent	M05622A001	-	1

9850KX Single Inlet, Single Discharge Dispenser



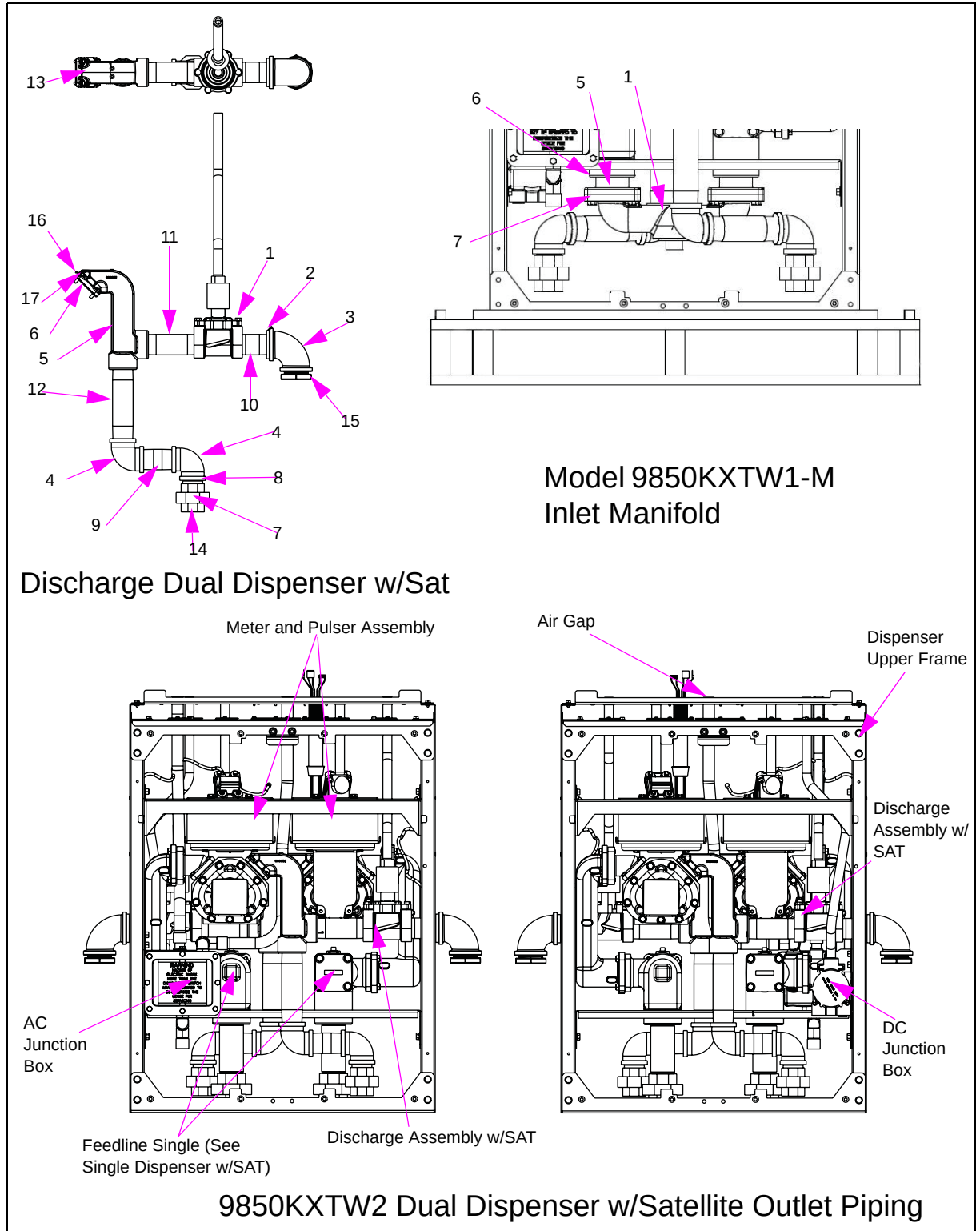
Discharge Single Dispenser Valve w/Sat

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Conduit Valve Single 115 V	M05687A001	-	1
	Assembly, Conduit Valve Single 230 V	M05687A002	-	1
2	Body - Check Valve	012003	-	
3	SCR 1/4-20 X 2 HHC	K01914-71	-	4
4	Discharge Grommet	028975	-	1
5	Elbow 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	1
6	Elbow 1 - 1-1/2 90° 150 PSI MI	K46046	-	1
7	Elbow, Meter Discharge ATC	097907	-	1
8	Gasket-Seal Suction; 2-7/16	054190	-	1
9	Gasket Flange (1-1/2")	027362	-	2
10	Nipple FE Pipe 1-1/2 X 1.75	R11493-77	-	1
11	Nippl FE Pipe 1-1/2 X 14.00	R11533-28	-	1
12	Nippl FE Pipe 1-1/2 X 3.75	R11493-26	-	1
13	Pipe Plug C-Sunk 1/8	K46444	-	2
14	Pipe Union, Female	K12179	-	2
15	Reducing Bushing Hex 1-1/4 X 1	K02309-22	-	1
16	Washer 21/64 X 19/32 X 1/16 P	068605	-	4

Feedline Single

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Strainer 150	063369	-	1
2	Base - Pump (Strainer Housing)	003071	-	2
3	Bolt Hex Hd Finished 3/8-16 X 0.88	K47659	-	6
4	Bolt Hex Hd Finished 3/8-16 X 1.00	K01902	-	4
5	Bolt Hex Hd Finished 3/8-16 X 1.25	K01903	-	4
6	Cover, Base Pump (Strainer Housing)	003502	-	1
7	Flanged Elbow	026082	-	1
8	Gasket - Flange (2")	027361	-	3
9	Gasket - Suction Seal	054205	-	1
10	Gasket Flange (1-1/2")	027362	-	1
11	Manifold Strain/MTR 9850AXT	003017	-	1
12	Pipe 2" X 1-1/4"	044951	-	4
13	Pipe Plug Sq Head 3/8	K02280	-	1
14	Pipe Union, Female	K22468	-	1
15	Screw - 1/4 20 X 1	051813	-	4
16	Washer 21/64 X 19/32 X 1/16 P	068605	-	4
17	Washer 3/8 Sae-N 0.81 X 0.41 X 0.06	K66314	-	6
18	Washer Spring Lock 3/8 In.	K73278-25	-	2

9850KXTW1 Single Inlet, 9850KXTW2 Dual Inlet, Dual Discharge Dispenser



Discharge Dual Dispenser Valve (115 V) w/Sat

Item #	Part Description	Current Part	Previous Part	Quantity
1	Assembly, Conduit Valve Dual 115 V	M05688A001 (See note 1)	-	2
	Assembly, Conduit Valve Dual 230 V	M05688A002 (See note 1)	-	2
	Assembly, Conduit Valve Dual 115 V	M05687A003 (See note 2)	-	2
	Assembly, Conduit Valve Dual 230 V	M05687A004 (See note 2)	-	2
2	Discharge Grommet	028975	-	2
3	Elbow 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	2
4	Elbow 1 - 1-1/2 90° 150 PSI MI	K46046	-	4
5	Elbow, Meter Discharge 9850AXTW ATC	003151	-	2
	Elbow, Meter Discharge 9850AXTW	003152	-	2
6	Gasket-Seal Suction: 2-7/16	054190	-	2
7	Gasket Flange(1-1/2")	027362	-	4
8	Nippl FE Pipe 1-1/2 X 1.50	R11493-22	-	2
9	Nippl FE Pipe 1-1/2 X 6.56	R11493-46	-	2
10	Nippl FE Pipe 1-1/2 X 4.50	R11493-21	-	2
11	Nippl FE Pipe 1-1/2 x 6.12	R11493-93	-	2
12	Nippl FE Pipe 1-1/2 x 7.50	R11493-20	-	2
	Nippl FE Pipe 1-1/2 x 10.00	R11493-96 (See note 2)	-	2
13	Pipe Plug C-Sunk 1/8 ATC	K46444	-	4
14	Pipe Union, Female	K12179	-	2
15	Reducing Brush Hex 1-1/4 X 1	K02309-22	-	2
16	Screw 1/4 - 20 X 1	051813	-	8
17	Washer 21/64 X 19/32 X 1/16 P	068605	-	8

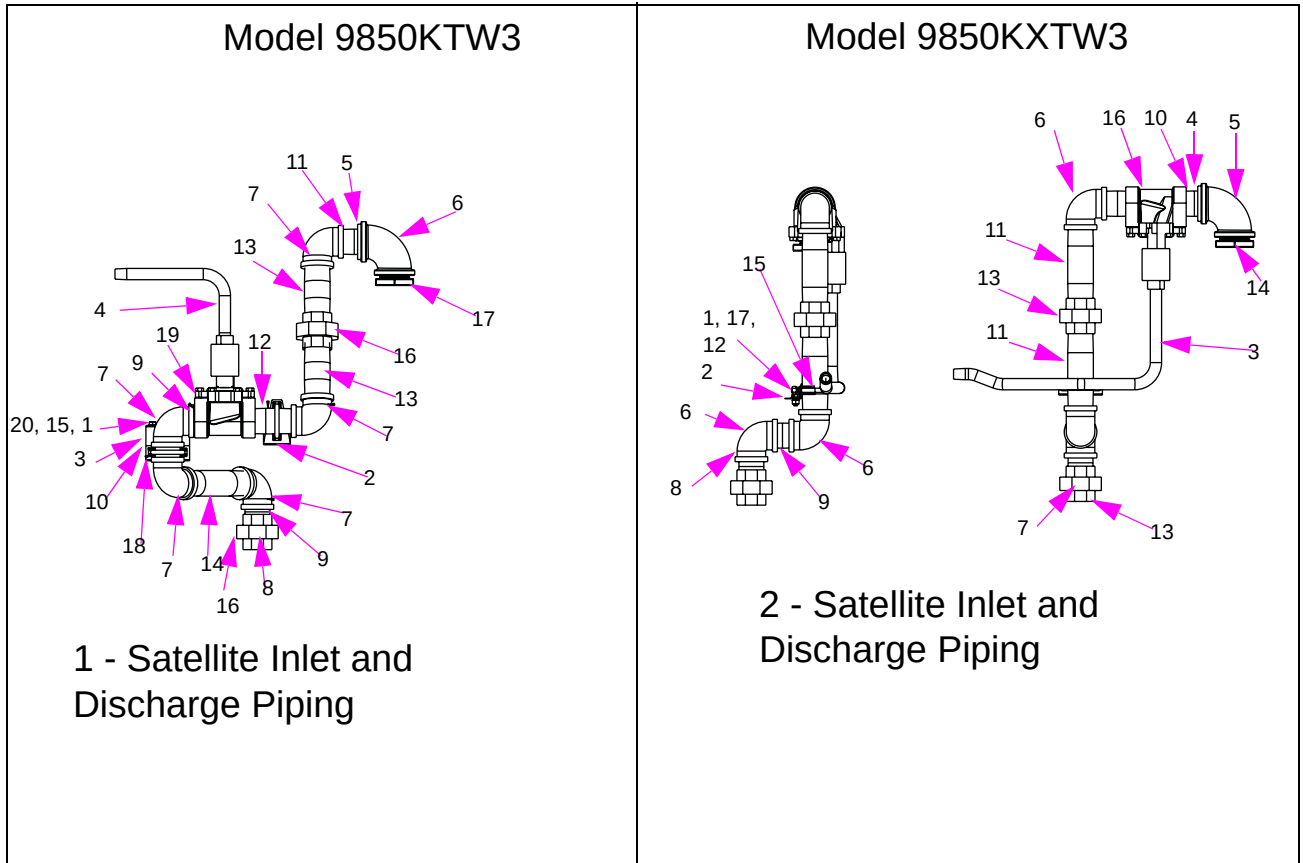
Notes: 1) This part is for 9850KXTW2.

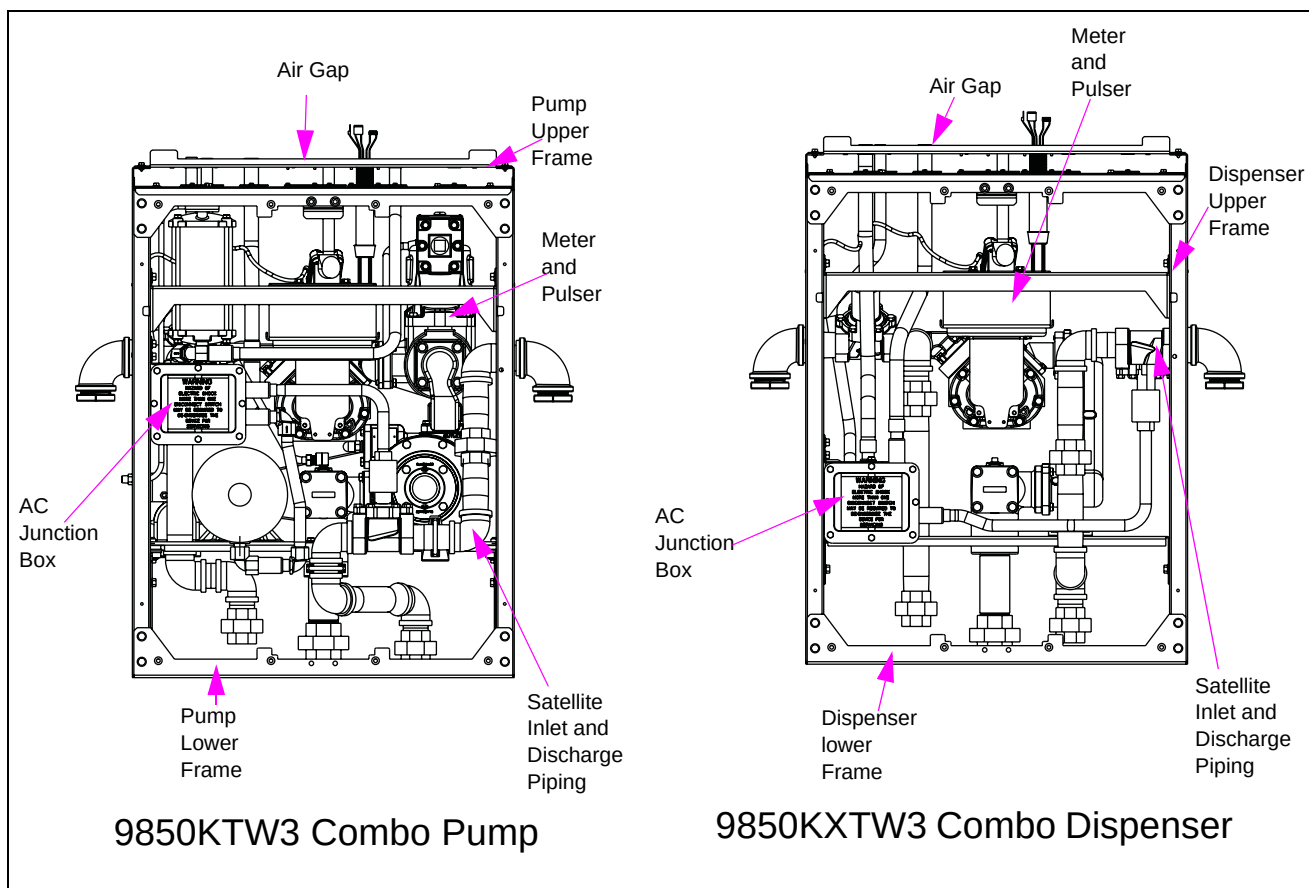
2) This part is for 9850KXTW1 and 9850KSXTW1-M. Units built after August 2007.

Inlet Manifold, Model 9850KXTW1-M

Item #	Part Description	Current Part	Previous Part	Quantity
1	Manifold Strainer 9850AXT W1	003018	-	1
2	Pipe 1" Dia X 2" (not shown)	038065	-	1
3	Pipe Union, Female (not shown)	K22468	-	1
4	Gasket - Suction Seal (not shown)	054205	-	1
5	Gasket Meter	027005	-	2
6	Flange Strainer Machined 9850AXTW1	026205	-	2
7	Bolt Hex HD Finished 3/8-16 X 1.00	K01902	-	16

Satellite Piping for 9850KTW3 Combo Pump and 9850KXTW3 Combo Dispenser





Note: All parts for combos are same as standard units except for the addition of satellite inlet and discharge piping.

9850KTW3 Combo Pump

Item #	Part Description	Current Part	Previous Part	Quantity
1	Bolt Hex HD Finished 5/16-18 X 0.16	K51194	-	4
2	Bracket MSTR/SAT Combo Pump 1	M06085B001	-	1
3	Bracket MSTR/SAT Combo Pump 2	M06086B001	-	1
4	Conduit Combo Pump/SAT	M05600B001	-	1
5	Discharge Grommet	028975	-	1
6	Elbow 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	1
7	Elbow 1 - 1-1/2 90° 150 PSI MI	K46046	-	5
8	Gasket-Seal Suction: 2-7/16	054190	-	1
9	Nippl FE Pipe 1-1/2 X 1.38 EH	R11493-58	-	2
10	Nippl FE Pipe 1-1/2 X 1.75 EH	R11493-50	-	1
11	Nippl FE Pipe 1-1/2 X 2.62	R11493-30	-	1
12	Nippl FE Pipe 1-1/2 X 4.00	R11493-90	-	1
13	Nippl FE Pipe 1-1/2 X 4.50	R11493-21	-	2
14	Nippl FE Pipe 1-1/2 X 6.56	R11493-46	-	1
15	Nut Hex w/Ext Lock Washer 5/16 -18 THD	Q12068-06	-	4
16	Pipe Union, Female	K12179	-	2
17	Reducing Brush Hex 1-1/4 X 1	K02309-22	-	1
18	U-Bolt 1-1/2"	013294	-	2
19	VI Sol 1.5" Skin 2STG 115 V	067028	-	1
	VI Sol 1.5" Skin 2STG 230 V	067062	-	1
20	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	4

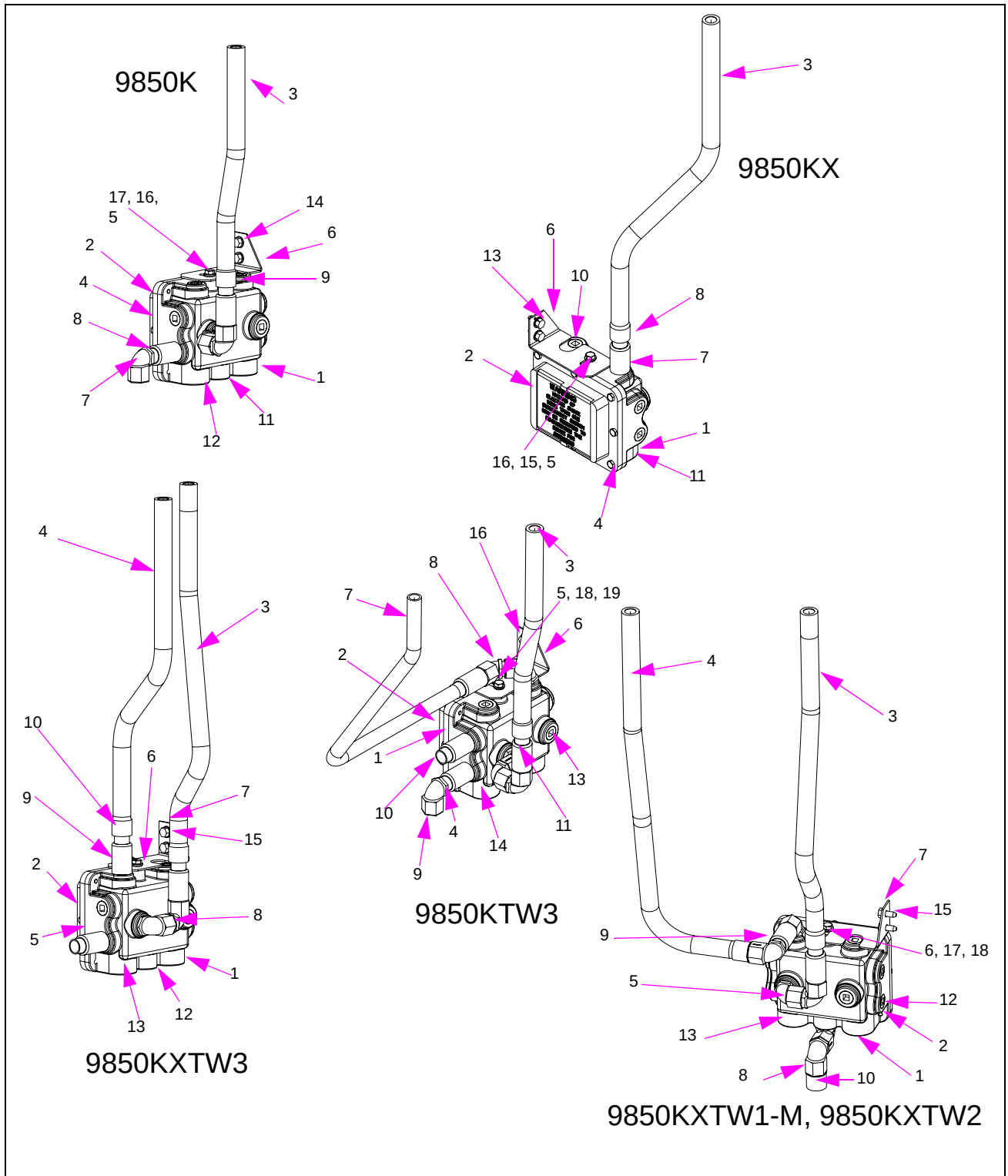
9850KXTW3 Combo Dispenser

Item #	Part Description	Current Part	Previous Part	Quantity
1	Bolt Hex HD Finished 5/16-18 X 0.16	K51194	-	2
2	Bracket MSTR/SAT Combo Disp	M06087B001	-	1
3	Conduit Combo Disp/SAT	M05601B001	-	1
4	Discharge Grommet	028975	-	1
5	Elbow 1-1/2 X 1-1/4 X 90° Painted Red	Z07941	-	1
6	Elbow 1 - 1-1/2 90° 150 PSI MI	K46046	-	3
7	Gasket-Seal Suction: 2-7/16	054190	-	1
8	Nippl FE Pipe 1-1/2 X 1.50	R11493-22	-	1
9	Nippl FE Pipe 1-1/2 X 1.75	R11493-77	-	1
10	Nippl FE Pipe 1-1/2 X 2.62	R11493-30	-	2
11	Nippl FE Pipe 1-1/2 X 6.00	R11493-28	-	2
12	Nut Hex w/Ext Lock Washer 5/16 -18 THD	Q12068-06	-	2
13	Pipe Union, Female	K12179	-	2
14	Reducing Brush Hex 1-1/4 X 1	K02309-22	-	1
15	U-Bolt 1-1/2"	013294	-	1
16	VL Sol 1.5" Skin 2STG 115 V	067028	-	1
	VL Sol 1.5" Skin 2STG 230 V	067062	-	1
17	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	2

This page is intentionally left blank.

Ultra-Hi Junction Box and Conduit Section

AC Junction Box and Conduit



9850K

Item #	Part Description	Current Part	Previous Part	Quantity
1	AC Junction Box, Mach 8753E	003116	-	1
2	AC Junction Box, Cover	003117	-	1
3	Assembly, Conduit AC Pump	M05685A002	-	1
4	Bolt Hex HD Finished 1/4 - 20 X 0.88	K56467	-	8
5	Screw, 5/16-18 X 3/4 HHC	Q10624-01	-	1
6	Bracket Junction Box, AC	M05575B001	-	1
7	Elbow, Conduit 1/2 X 90 Deg.	025045	-	4
8	Expansion Union (Conduit)	N16289-20	-	2
9	Male Conduit Enlargers (NPT)	K81090-20	-	1
10	Nut 10-32 Ground Screw	067500	-	1
11	Pipe Plug C-Sunk 1/2	K43850	-	7
12	Pipe Plug C-Sunk 3/4	K57624	-	1
13	Screw, 10-32 X 3/8 BND HD SLT	052976	-	1
14	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	2
15	Terminal Wire Ring	064874	-	1
16	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	1
17	Lock Washer, 5/16 PL	K73278-28	-	1

9850KX

Item #	Part Description	Current Part	Previous Part	Quantity
1	AC Junction Box, Mach 8753E	003116	-	1
2	AC Junction Box, Cover	003117	-	1
3	Assembly, Conduit AC Single	M05684A002	-	1
4	Bolt Hex HD Finished 1/4 - 20 X 0.88	K56467	-	8
5	Screw, 5/16-18 X 3/4 HHC	Q10624-01	-	1
6	Bracket Junction Box, AC	M05575B001	-	1
7	Expansion Union (Conduit)	N16289-20	-	1
8	Male Conduit Enlargers (NPT)	K81090-20	-	1
9	Nut 10-32 Ground Screw	067500	-	1
10	Pipe Plug C-Sunk 1/2	K43850	-	8
11	Pipe Plug C-Sunk 3/4	K57624	-	1
12	Screw, 10-32 X 3/8 BND HD SLT	052976	-	1
13	Screw, TF, Hex Washer HD M8 x 18	M00417B009	-	2
14	Terminal Wire Ring	064874	-	1
15	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	1
16	Lock Washer, 5/16 PL	K73278-28	-	1

9850KXTW3

Item #	Part Description	Current Part	Previous Part	Quantity
1	AC Junction Box, Mach 8753E	003116	-	1
2	AC Junction Box, Cover	003117	-	1
3	AC Sat. Conduit and Wire Assembly	M07275A004	-	1
4	Assembly, Conduit AC Single	M05684A002	-	1
5	Bolt Hex HD Finished 1/4 - 20 X 0.88	K56467	-	8
6	Bolt Hex HD Finished 5/16 - 18 X 0.75	Q10624-01	-	1
7	Bracket Junction Box, AC	M05575B001	-	1
8	Elbow, Conduit 1/2 X 90 Deg.	025045	-	6
9	Expansion Union (Conduit)	N16289-20	-	2
10	Male Conduit Enlargers (NPT)	K81090-20	-	3
11	Nut 10-32 Ground Screw	067500	-	1
12	Pipe Plug C-Sunk 1/2	K43850	-	6
13	Pipe Plug C-Sunk 3/4	K57624	-	1
14	Screw, 10-32 X 3/8 BND HD SLT	052976	-	1
15	Screw, TF, Hex Washer HD M8 x 18	M00417B009	-	2
16	Terminal, Wire Ring	064874	-	1
17	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	1
18	Lock Washer, 5/16 PL	K73278-28	-	1

9850KTW3

Item #	Part Description	Current Part	Previous Part	Quantity
1	AC Junction Box, Mach 8753E	003116	-	1
2	AC Junction Box, Cover	003117	-	1
3	Assembly, Conduit AC Pump	M05685A002	-	1
4	Bolt Hex HD Finished 1/4 - 20 X 0.88	K56467	-	8
5	Bolt Hex HD Finished 5/16 - 18 X 0.75	Q10624-01	-	1
6	Bracket Junction Box, AC	M05575B001	-	1
7	AC Sat. Conduit and Wire Assembly	M07275A002	-	1
8	Elbow, Conduit 1/2 X 45	025015	-	1
9	Elbow, Conduit 1/2 X 90 Deg.	025045	-	5
10	Expansion Union (Conduit)	N16289-20	-	4
11	Male Conduit Enlargers (NPT)	K81090-20	-	1
12	Nut 10-32 Ground Screw	067500	-	1
13	Pipe Plug C-Sunk 1/2	K43850	-	6
14	Pipe Plug C-Sunk 3/4	K57624	-	1
15	Screw, 10-32 X 3/8 BND HD SLT	052976	-	1
16	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	2
17	Terminal, Wire Ring	064874	-	1
18	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	1
19	Lock Washer, 5/16 PL	K73278-28	-	1

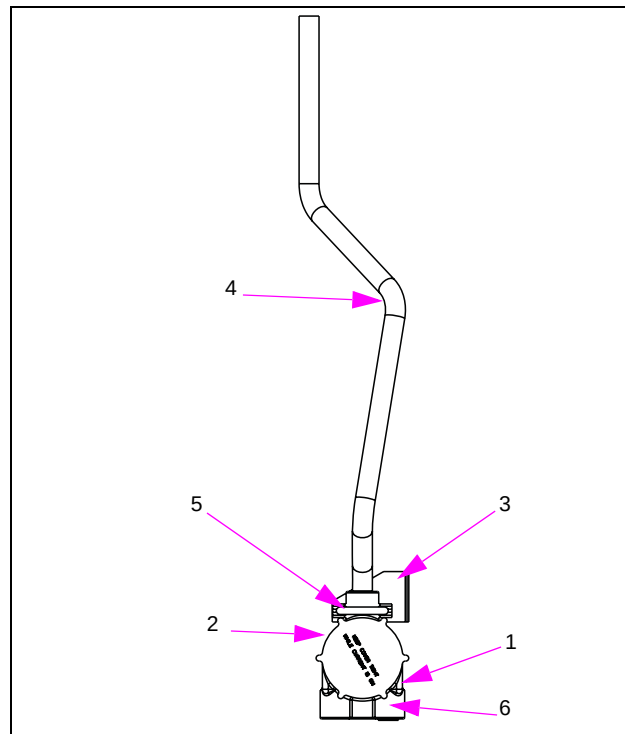
9850KXTW1, 9850KXTW1-M, 9850KXTW2

Item #	Part Description	Current Part	Previous Part	Quantity
1	AC Junction Box, Mach 8753E	003116	-	1
2	AC Junction Box, Cover	003117	-	1
3	AC Conduit and Wire Assembly	M05686A002 (see note 1)	-	1
		M05686A003 (see note 2)	-	1
4	Conduit AC Single	M05692A002 (see note 1)	-	1
		M05692A003 (see note 2)	-	1
5	Bolt Hex HD Finished 1/4 - 20 X 0.88	K56467	-	8
6	Bolt Hex HD Finished 5/16 - 18 X 0.75	Q10624-01	-	1
7	Bracket Junction Box, AC	M05575B001	-	1
8	Elbow, Conduit 1/2 X 90 Deg.	025045	-	2
9	Expansion Union (Conduit)	N16289-20	-	3
10	Male Conduit Enlargers (NPT)	K81090-20	-	2
11	Nut 10-32 Ground Screw	067500	-	1
12	Pipe Plug C-Sunk 1/2	K43850	-	6
13	Pipe Plug C-Sunk 3/4	K57624	-	1
14	Screw, 10-32 X 3/8 BND HD SLT	052976	-	1
15	Screw, TF, Hex Washer HD M8 X 18	M00417B009	-	2
16	Terminal, Wire Ring	064874	-	1
17	Washer 5/16 SAE-N 0.69 X 0.34 X 0.06	K65235-33	-	1
18	Lock Washer, 5/16 PL	K73278-28	-	1

Notes: 1) This part is for 9850KXTW2.

2) This part is for 9850KXTW1 and 9850KXTW1-M. Units built after August 2007.

DC Junction Box and Conduit

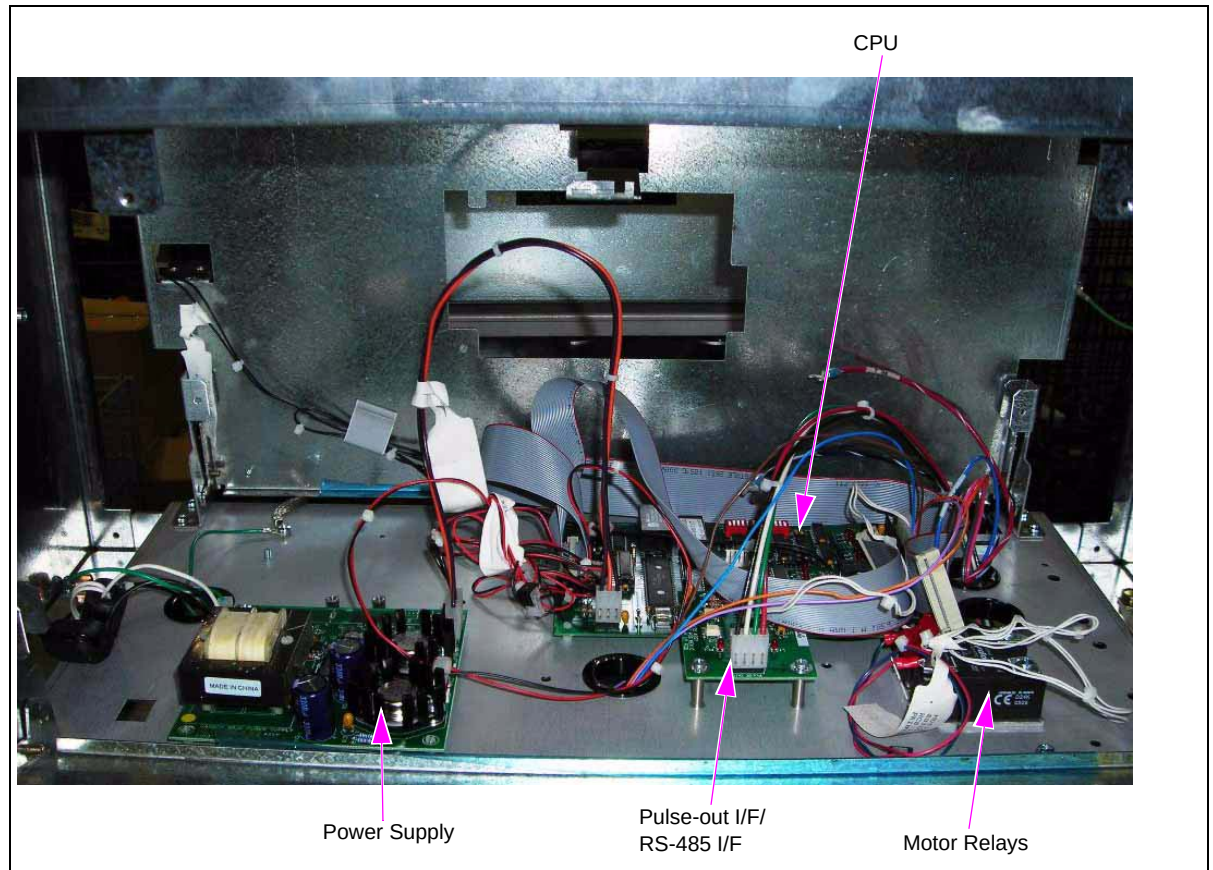


Item #	Part Description	Current Part	Previous Part	Quantity
1	Junction Box	003337	-	1
2	Cover, Junction Box	003461	-	1
3	Bracket, DC Junction Box	M05576B001	-	1
4	Assembly, J-Box DC Conduit and Wire - RS-485	M05683A002	-	1
	Assembly, J-Box DC Conduit and Wire - Pulse-out	M05683A004	-	1
5	U-Bolt and Bracket	013295	-	1
6	Pipe Plug, 1/2"	K43850	-	1

This page is intentionally left blank.

Ultra-Hi Electronics Section

Commercial Rear View



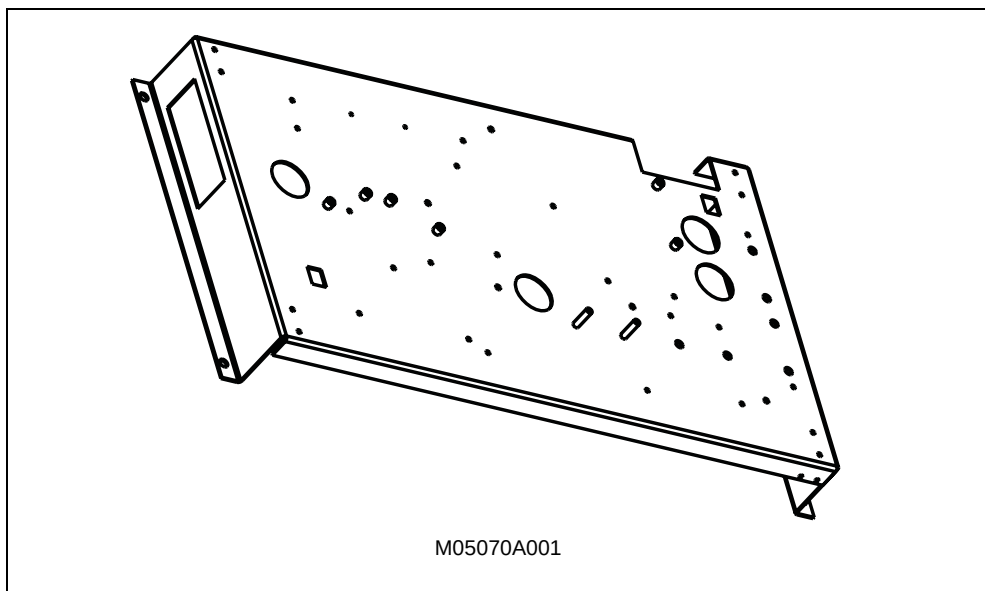
Power Supply

Refer to [“Commercial Ultra-Hi PCBs”](#) on [page 151](#).

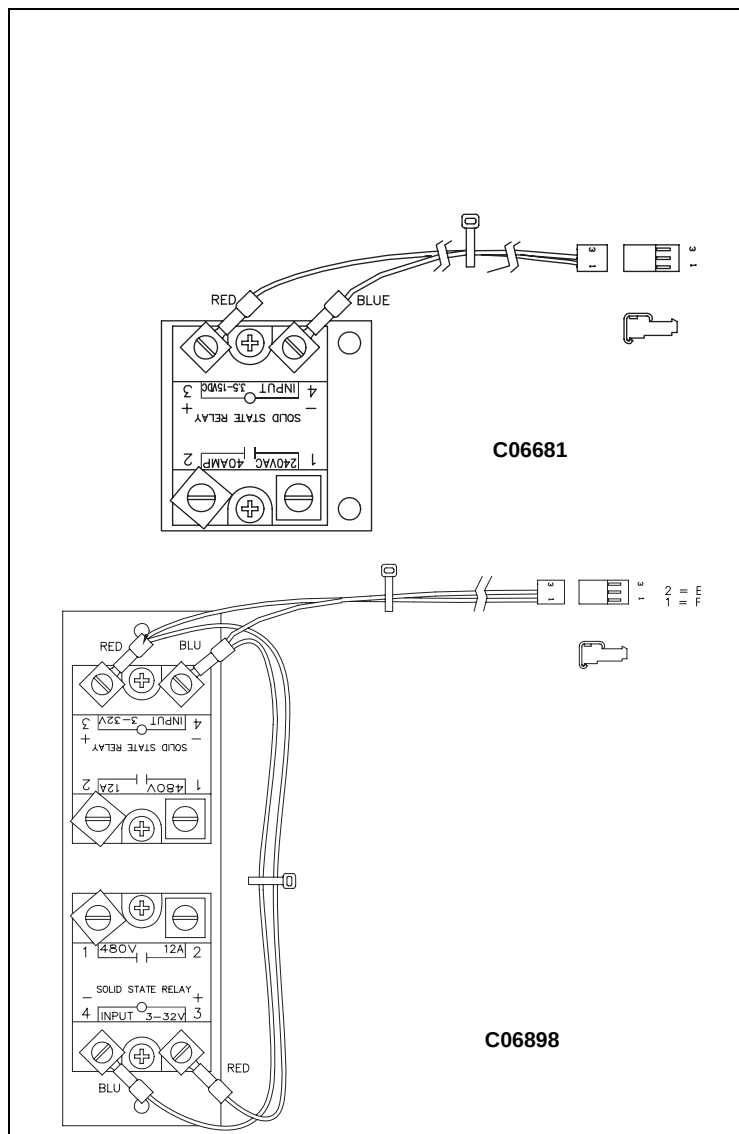
CPU

Refer to [“Commercial Ultra-Hi PCBs”](#) on [page 151](#).

Base Electronics Mounting Platform



Motor Relay Ultra-Hi



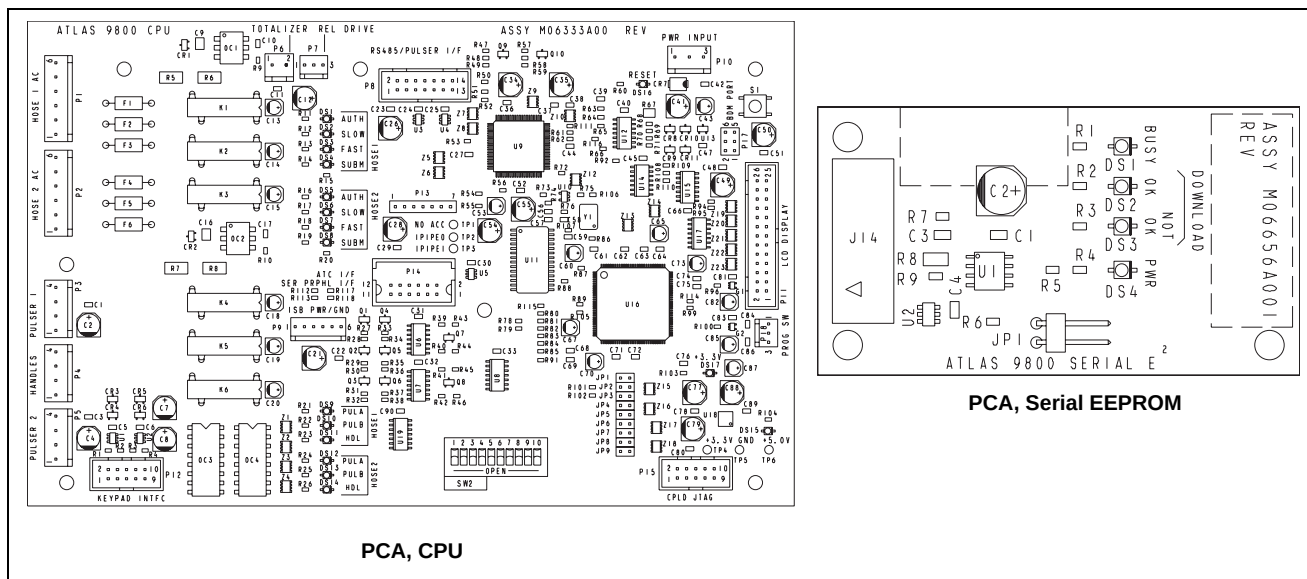
Part Description	Current Part	Previous Part	Quantity
Motor Relay, 115/230 V	C06681	-	1
Motor Relay, 380 V	C06898	-	1

This page is intentionally left blank.

Ultra-Hi Commercial Printed Circuit Boards

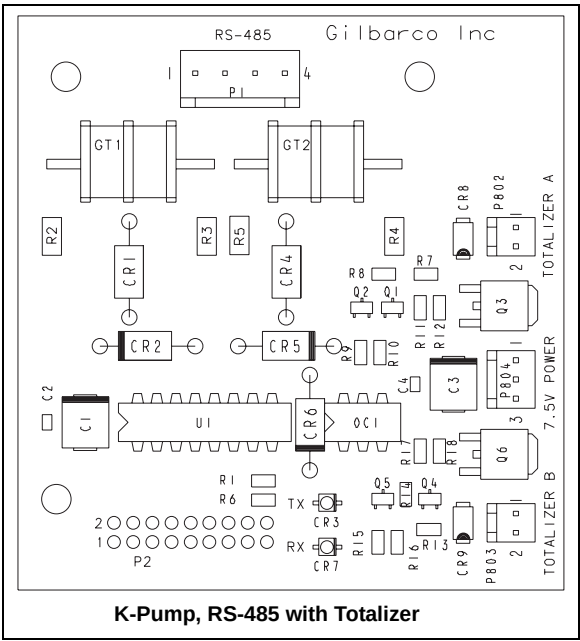
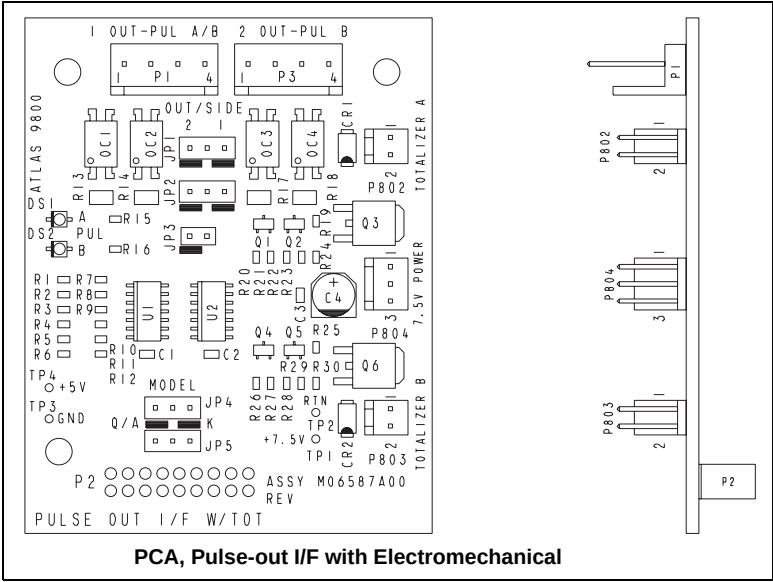
Commercial Ultra-Hi PCBs

PCA (CPU and Serial EEPROM)



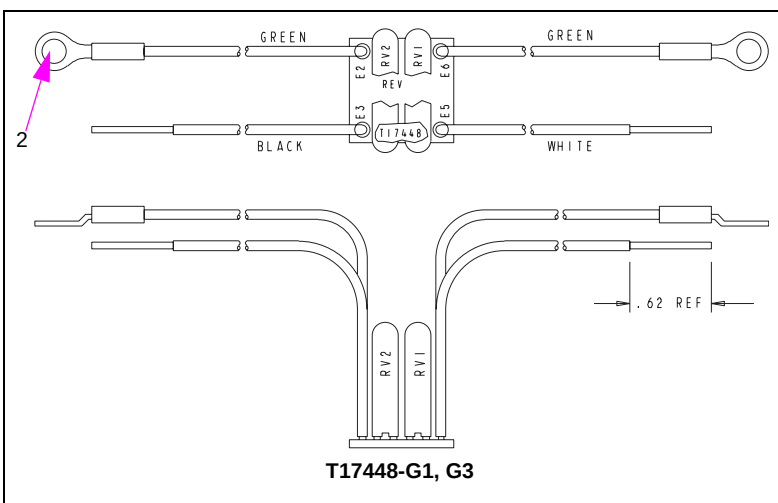
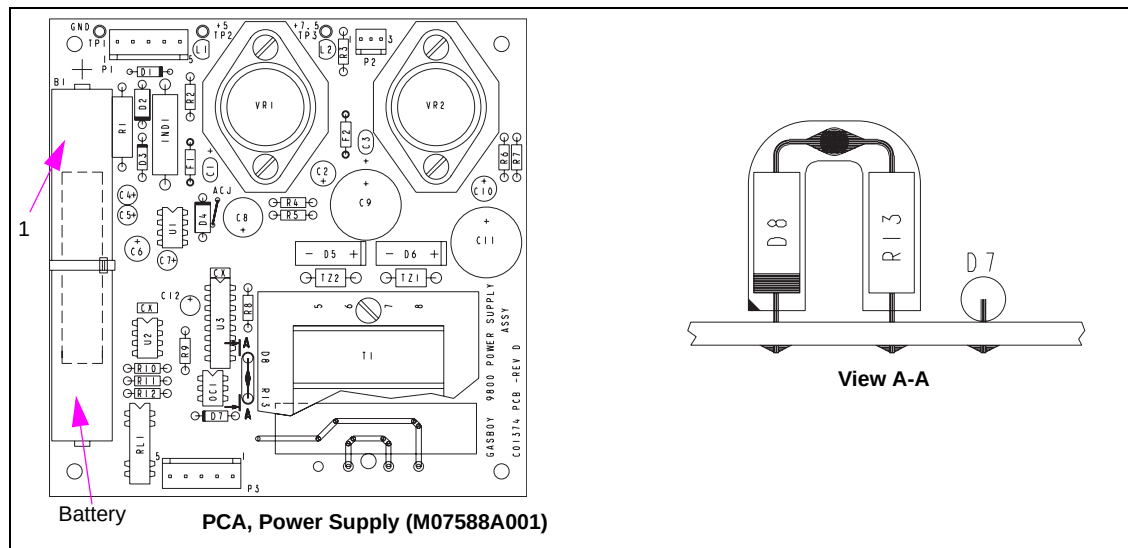
Part Description	Current Part	Previous Part	Quantity	Software Type
PCA, Atlas 9800 CPU, Dual, 115 V/230 V (See Notes 1, 2)	M06333K9850 (Models: 9850A/Q/K)	C06394 / C06503	1	Ultra-Hi 9850
PCA, Atlas 9800 Serial EEPROM (Reprogramming Card for M06333KXXXX CPU PCA)	M06656K002	N/A	1	Ultra-Hi 9850
Notes: 1. M06333KXXXX requires an Atlas 9800 Power Supply M07588A00X. 2. M06333KXXXX requires an ATC kit M08218K001 for models 9850A/Q, 9850K, 9852A/Q, 9853A/Q, 9840A/Q where ATC is present.				

Pulse-out I/F/RS-485 I/F



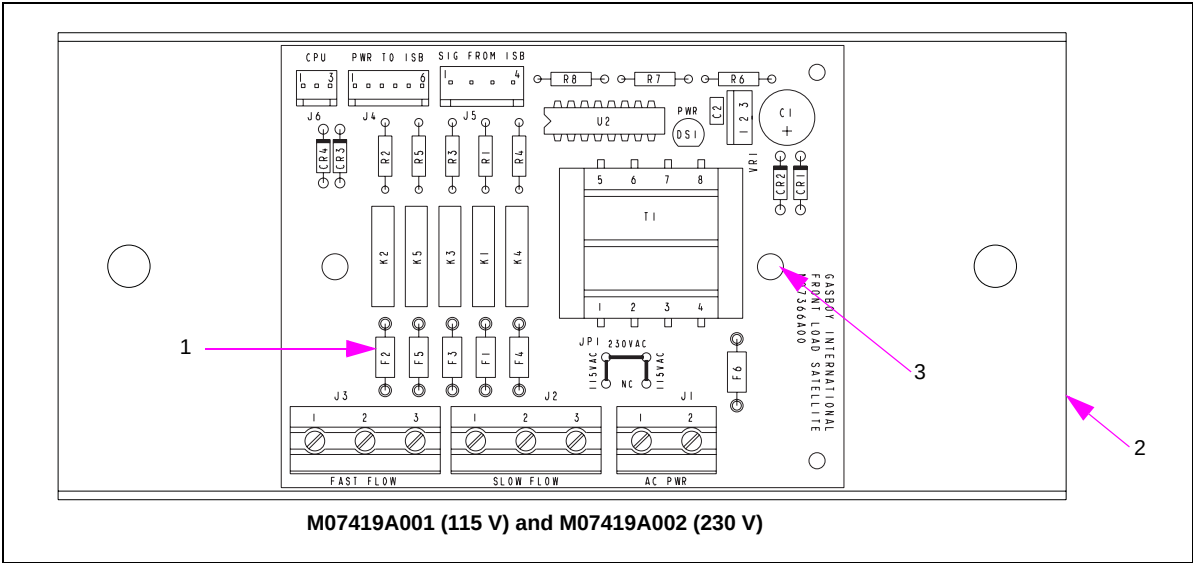
Item #	Part Description	Current Part	Previous Part	Quantity
1	PCA Atlas 9800, Pulse-out I/F (Dual Common/Distinct Outputs, Two Dual Common Outputs) with Electromechanical Totalizer	M06587A001	C06425 (Dual Distinct Outputs) C06746 (Dual Common Outputs)	1
2	PCA, K-Pump, RS-485 with Totalizer	M05248A001	-	1

Ultra-Hi Power Supply



Item #	Part Description	Current Part	Previous Part	Quantity
1	PCA, Atlas 9800 Power Supply, 115 V with Battery	M07588A001	C06397	1
	PCA, Atlas 9800 Power Supply, 115 V without Battery	M07588A002	C06396	1
	PCA, Atlas 9800 Power Supply, 230 V with Battery	M07588A003	C06489	1
	PCA, Atlas 9800 Power Supply, 230 V without Battery	M07588A004	C06488	1
2	Varistor Assembly, 115 V	T17448-G1	-	1
	Varistor Assembly, 230/380 V	T17448-G3	-	1

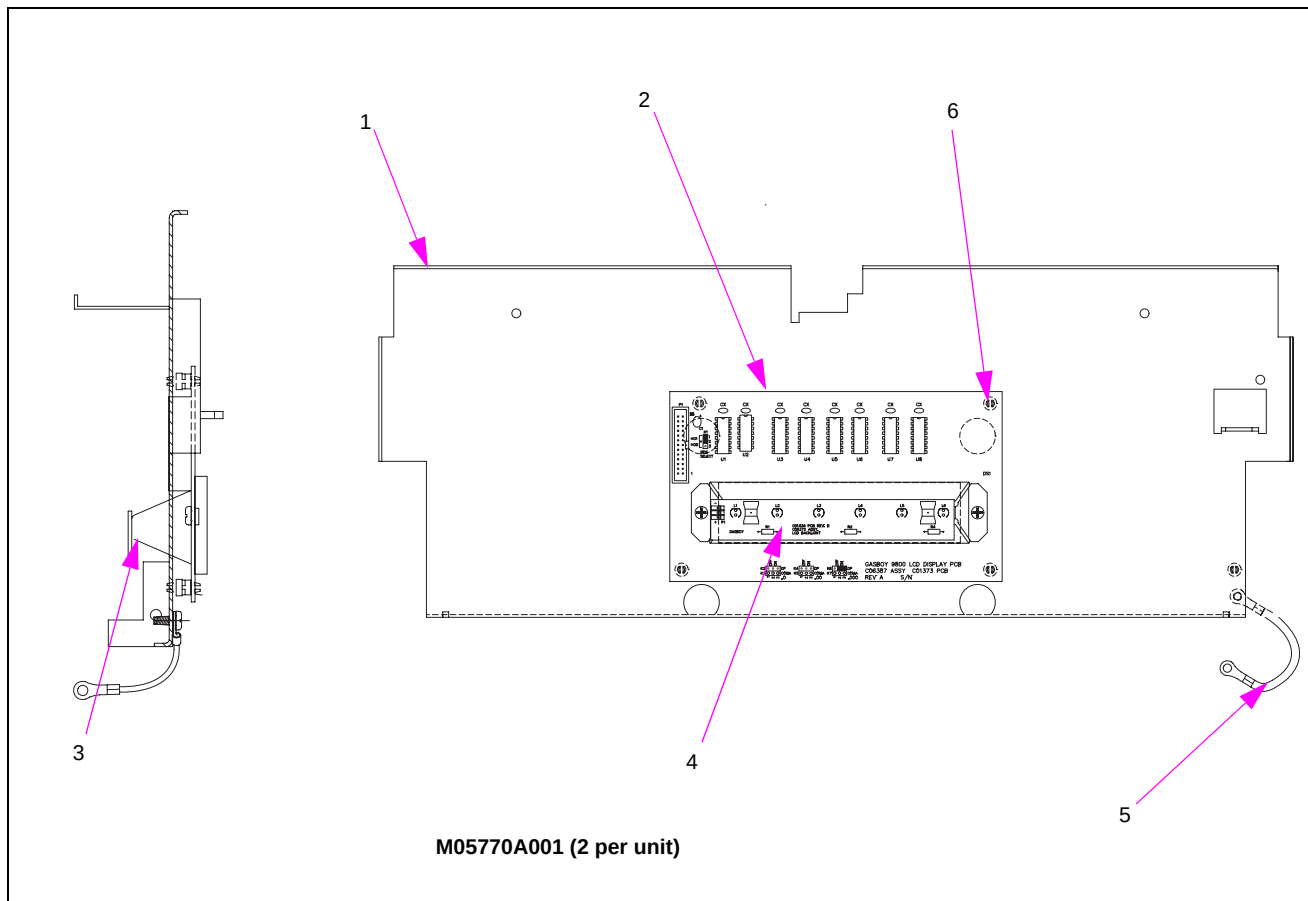
Combo Satellite Control Board



Item #	Part Description	Current Part	Previous Part	Quantity
1	Board, SAT Control 115 V	M07366A001	-	1
	Board, SAT Control 230 V	M07366A002	-	1
2	Bracket, SAT Board	M07276A001	-	1
3	Screw, metric Pan Head SEMS M4 X 12	Q12845-59	-	2
Not Shown				
4	Circuit Board Support	Q10651-46	-	4

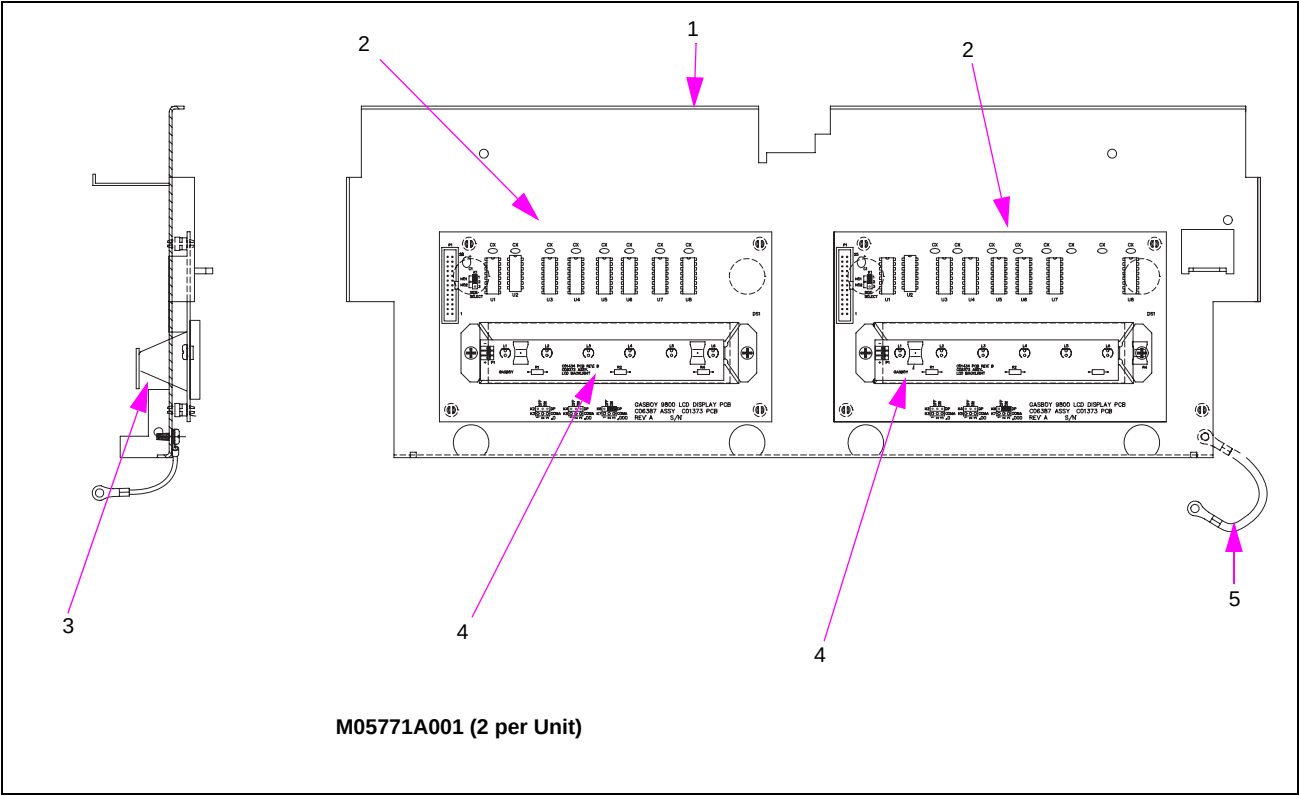
Displays and Display Panels

Ultra-Hi Display Panel and PCBs - Single and Combo Dual



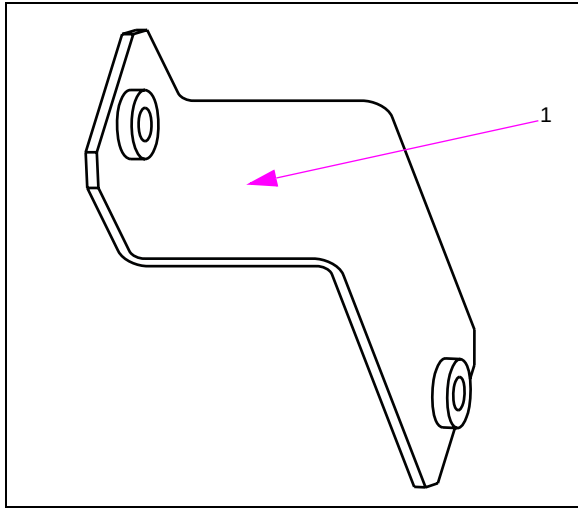
Item #	Part Description	Current Part	Previous Part	Quantity
1	Panel PCB Support Single	M05641B001	-	1
2	PCB Assembly, LCD Display	C06387	-	1
3	Reflector LCD-Backlight 9	C35399	-	1
4	PCB Assembly, LED Sale Bklight	C06372	-	1
5	Cable Assembly, Gnd #8R+Braid	C06454	-	1
Not Shown				
6	Mntg Button, 0.031/0.094 Grip	C09701	-	2

Ultra-Hi Display Panel and PCBs - Dual Side Load



Item #	Part Description	Current Part	Previous Part	Quantity
1	Panel PCB Support Dual	M05642B001	-	1
2	PCB Assembly, LCD Display	C06387	-	2
3	Reflector LCD-Backlight 9	C35399	-	2
4	PCB Assembly, LED Sale Bklight	C06372	-	2
5	Cable Assembly, Gnd #8R+Braid	C06454	-	1
Not Shown				
6	Mntg Button, 0.031/0.094 Grip	C09701	-	4

Display Panel Stop Bracket



Item #	Part Description	Current Part	Previous Part	Quantity
1	Bracket, PC Board Support	M05611A002	M05611A001	1

This page is intentionally left blank.

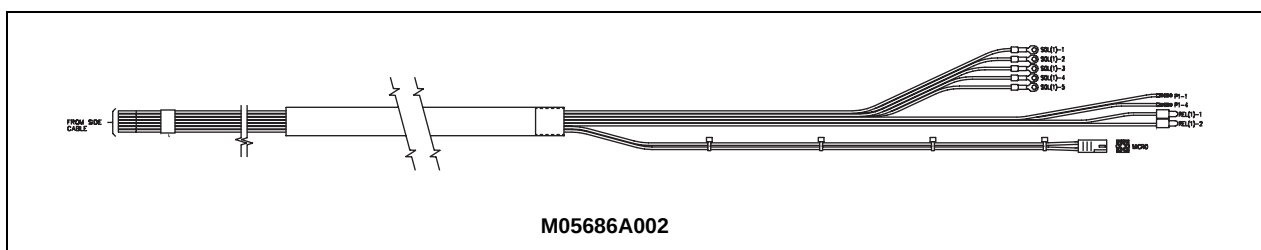
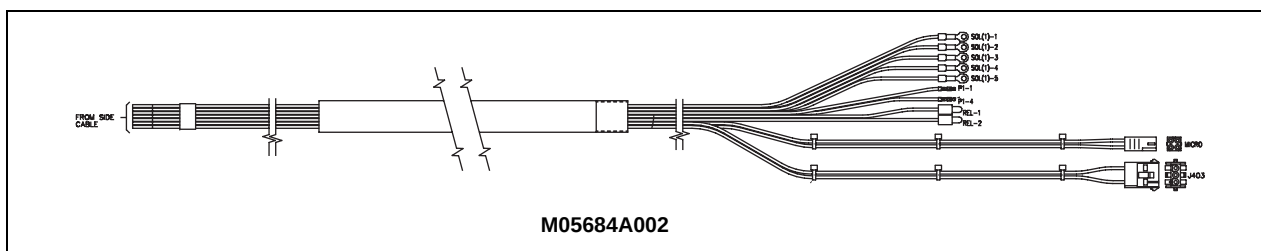
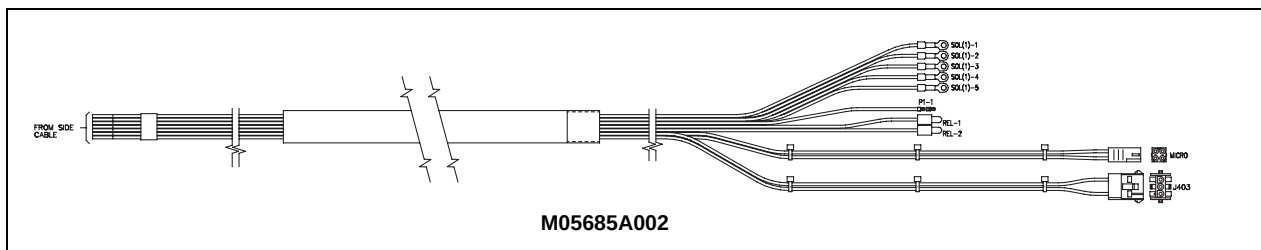
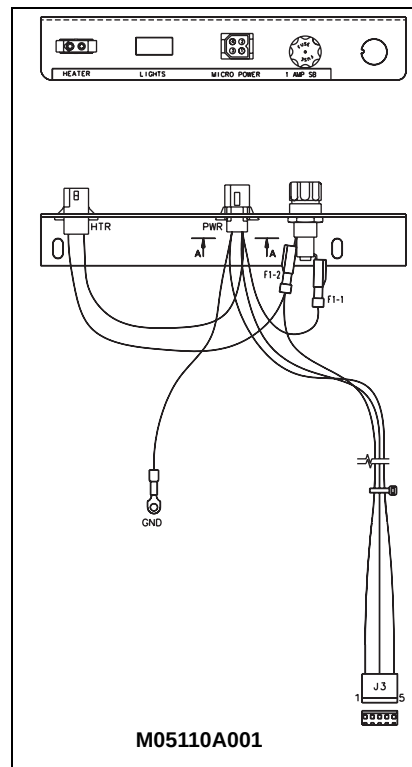
Ultra-Hi Commercial Cables

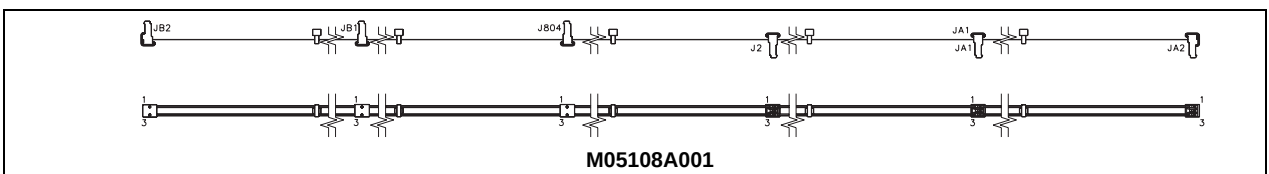
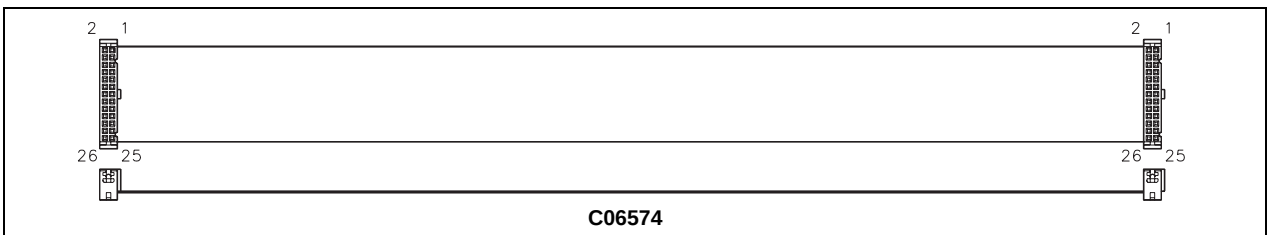
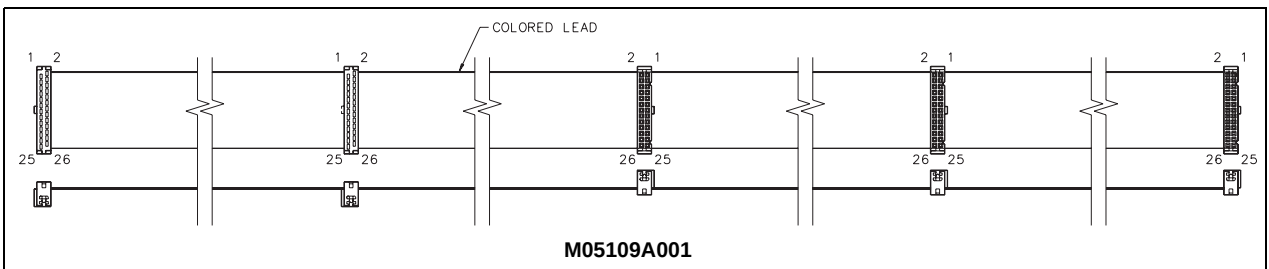
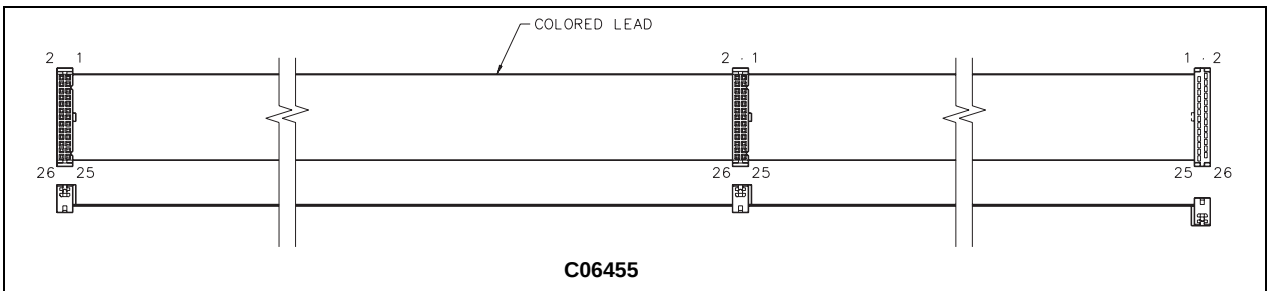
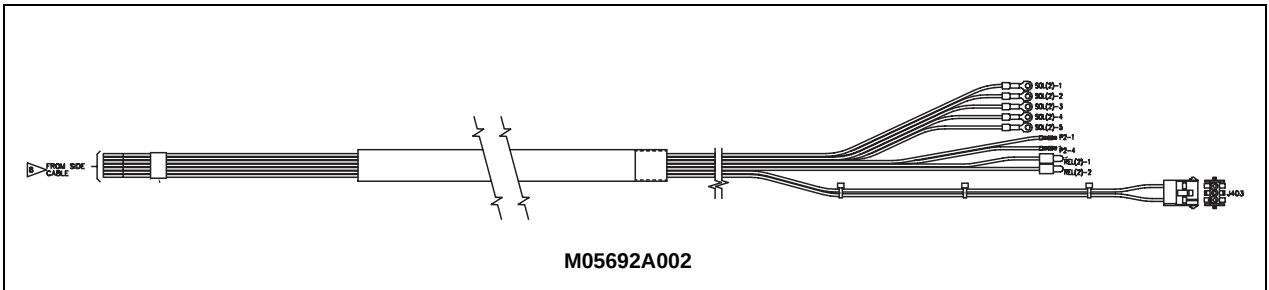
Commercial Ultra-Hi Cables

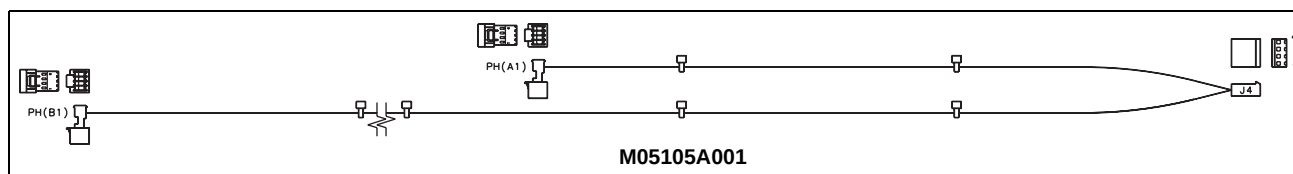
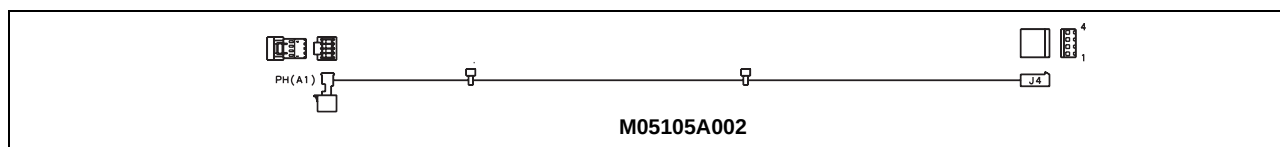
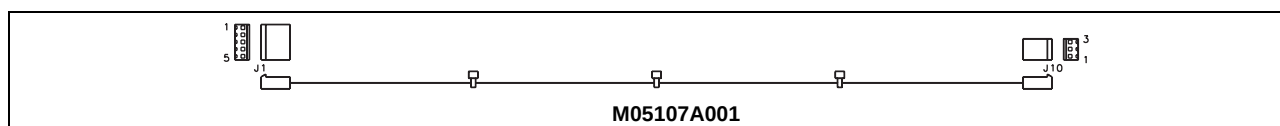
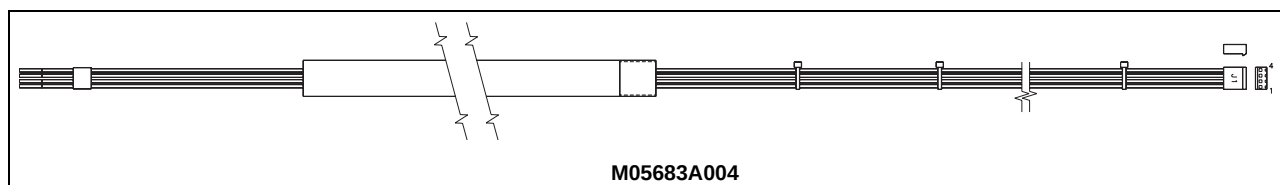
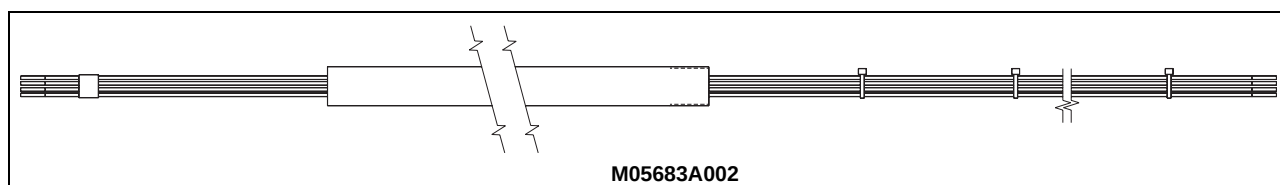
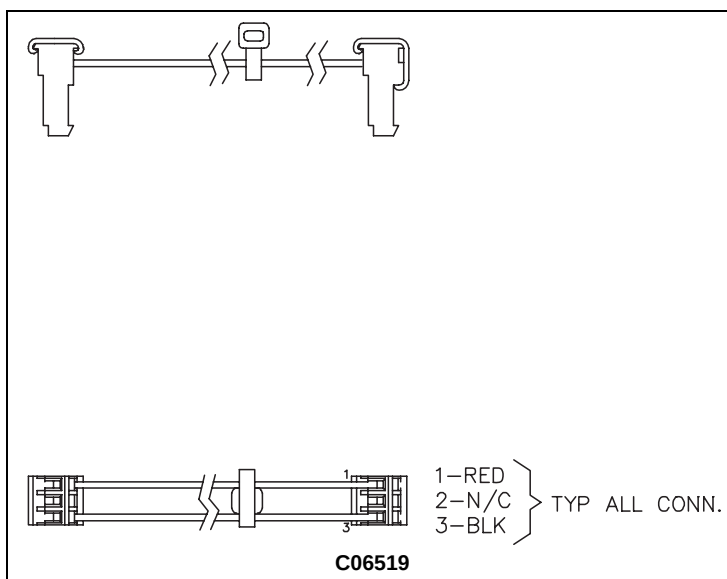
Note: Refer to MDE-4334 Atlas Series Start-Up/Service Manual for cable block diagrams.

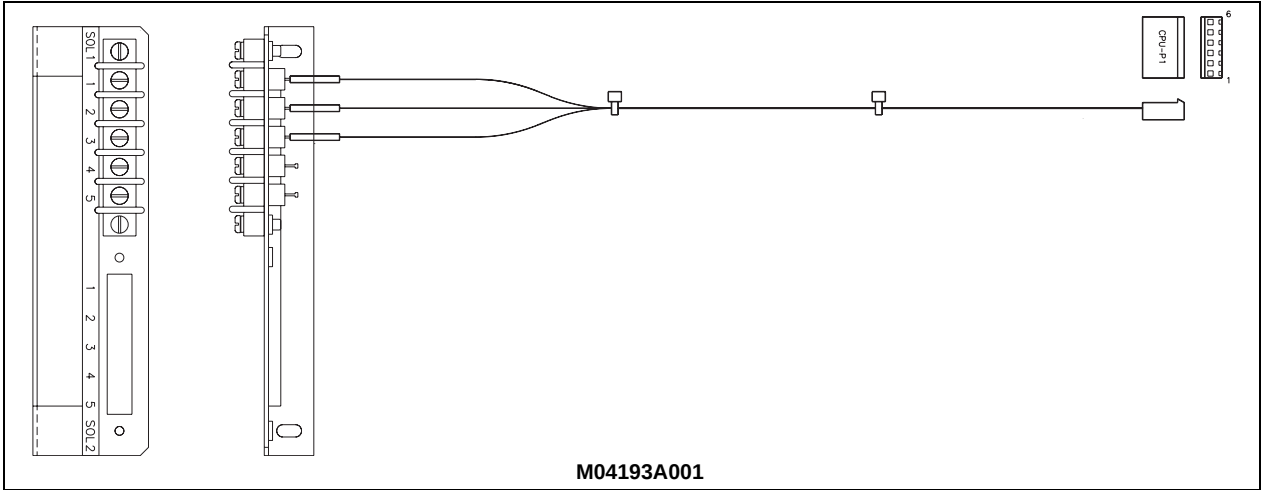
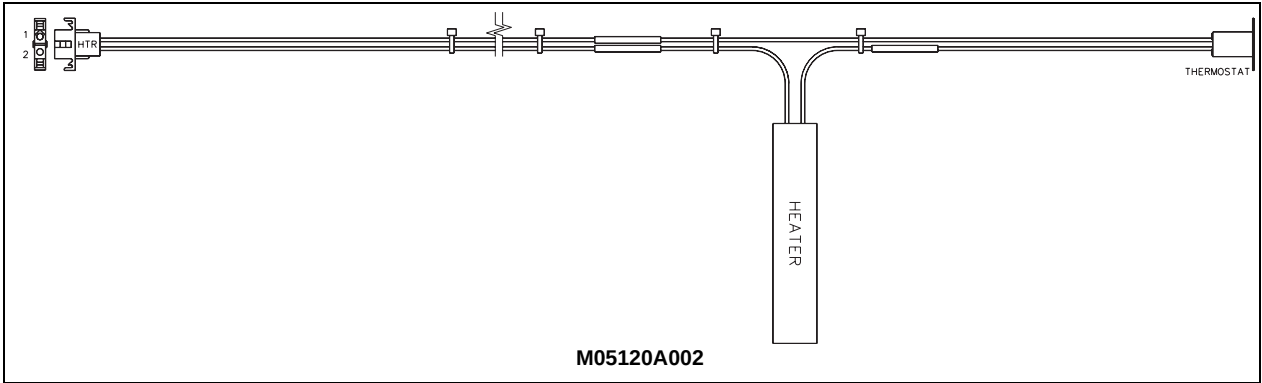
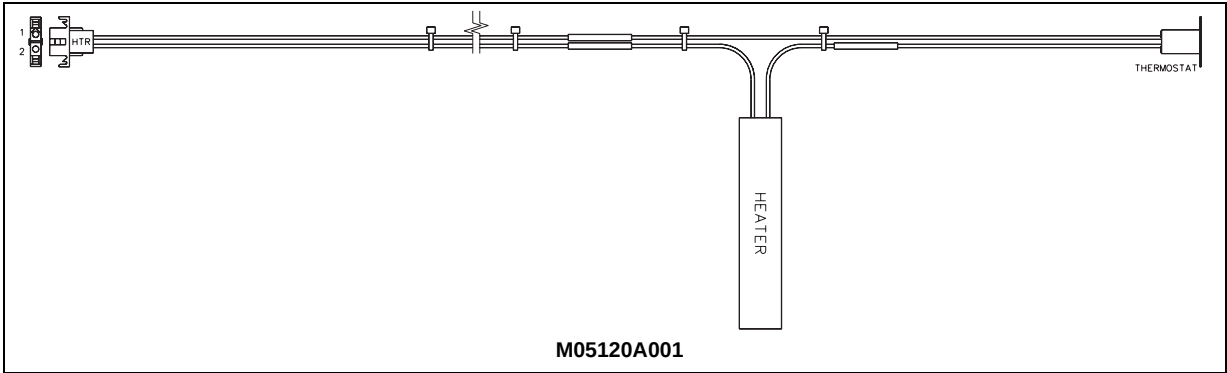
Part Description	Current Part	Previous Part
AC Fuse Cable Assembly	M05110A001	-
Main AC Power Conduit and Wire Assembly - Pump	M05685A002	-
Main AC Power Conduit and Wire Assembly - Single Dispenser	M05684A002	-
Main AC Power Conduit and Wire Assembly - Dual Dispenser	M05686A002	-
Main AC Power Conduit and Wire Assembly (see note)	M05686A003	-
Assy, AC Dual Conduit and Cable	M05692A002	-
Assy, AC Dual Conduit and Cable (see note)	M05692A003	-
Display Cable, Single Side-load	C06455	-
Display Cable, Dual Side-load	M05109A001	-
Display Cable, Single Front-load	C06574	-
Backlight Power Cable - Side-load	M05108A001	-
Backlight Power Cable - Front-load	C06519	-
DC Power Conduit and Wire Assembly - Dispenser Mount TopKAT	M05683A002	-
DC Power Conduit and Wire Assembly - RS-485/Pulse-out	M05683A004	-
DC Power Cable - Side-load	M05107A001	-
Handle Switch Cable, Single	M05105A002	-
Handle Switch Cable, Single	M05105A001	-
Heater Cable 115 V	M05120A001	-
Heater Cable 230 V	M05120A002	-
Solenoid Cable and Terminal Block Assembly, Single	M04193A001	-
Solenoid Cable and Terminal Block Assembly, Dual	C06518	-
AC Combo Satellite Control Conduit and Wire - Pump	M07275A002	-
AC Combo Satellite Control Conduit and Wire - Dispenser	M07275A004	-
Totalizer ATC Sensor Cable	M05119A001	-
I.S Barrier, Front-load	C06766	-
<i>Not Shown</i>		
Magnet, Actuator	Q12514-02	-

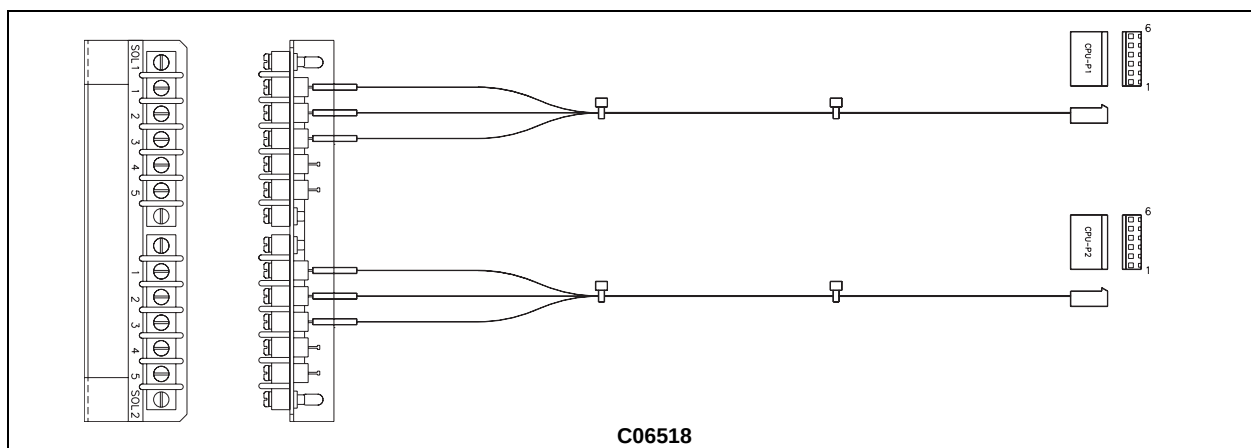
Note: This part is for 9850KXTW1. Units built after August 2007.



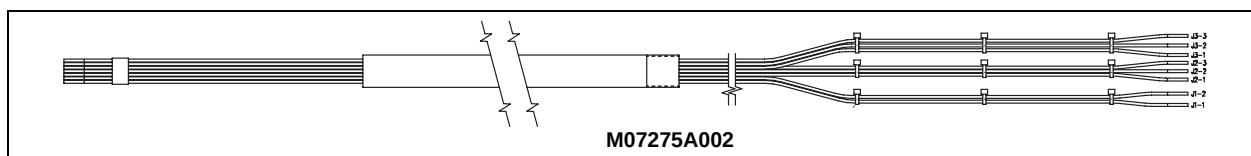




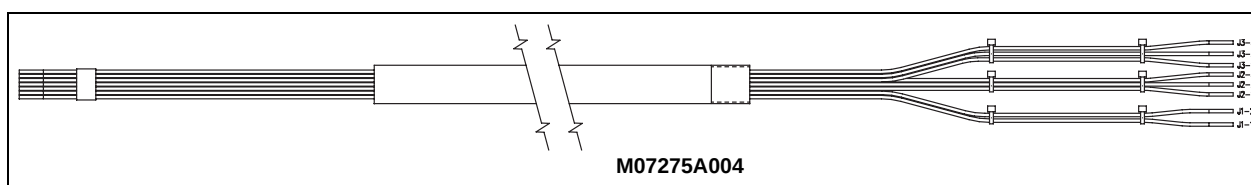




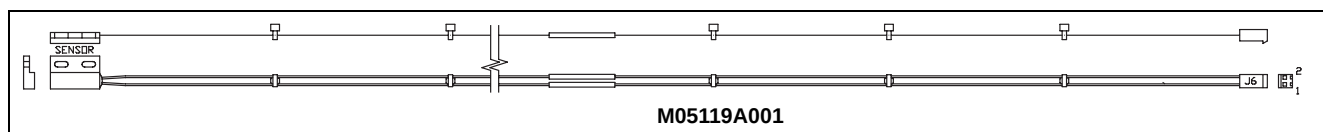
C06518



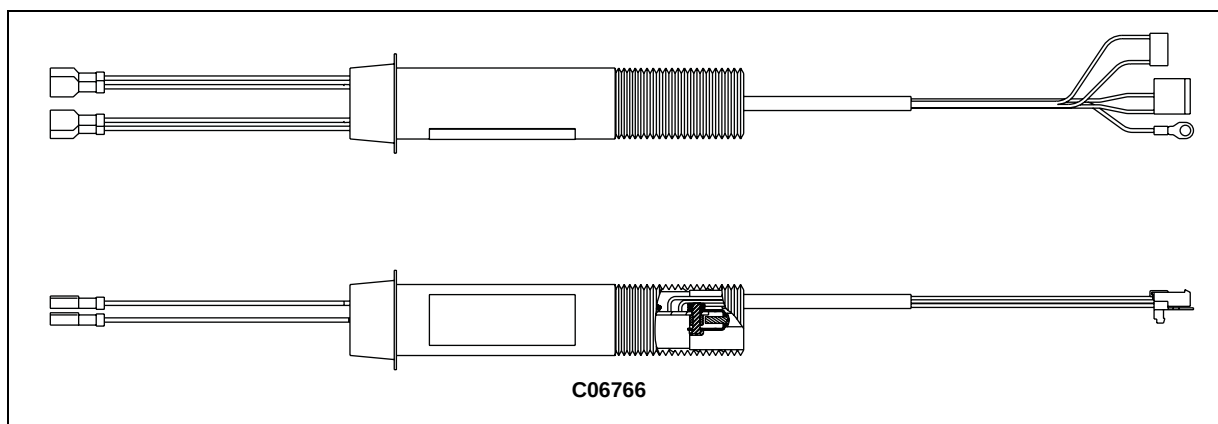
M07275A002



M07275A004



M05119A001



C06766

Atlas Kits

Kit Number	Description	Used On	Quantity	MDE/Drawing
032752	External Filter Kit, Particulate	Atlas Ultra-Hi	1 per hose	MDE-4430
032753	External Filter Kit, Water Alert			
032754	External Filter Kit, Particulate	Atlas STD and SHF		
032755	External Filter Kit, Water Alert			
C06426K9850G	S/W, Ultra-High 9850K Gallons	9800 CPUs, M06333A001	1 per unit	M02775
C06426K9850L	S/W, Ultra-High 9850K Liters			
C06426K9850M	S/W, Ultra-High 9850K IMP Gallons			
M03946K001	S/W, Standard 9800K Gallons	Atlas 9800K CPU, M05346	1 per unit	M02775
M03946K002	S/W, Standard 9800K Liters			
M03946K003	S/W, Standard 9800K IMP Gallons			
M03946K004	S/W, Super-Hi 9840K Gallons	Atlas 9840K CPU, M05346		M02775
M03946K005	S/W, Super-Hi 9840K Liters			
M03946K006	S/W, Super-Hi 9840K IMP Gallons			
M04607K010	Asco Solenoid Valve Diaphragm Kit	Atlas Standard Models	1 per hose	Gasboy approved supplier provided instructions.
M04607K012	Asco Solenoid Valve Coil Kit, 110/ 120 V			
M04607K013	Asco Solenoid Valve Coil Kit, 220/ 240 V			
M04731K-Series	XU2A Pumping Unit Repair Kits - Contact Gasboy for specific kit listing, or check XU2A Service Manual MDE-4320	Atlas UHF (9850K) Models only	1 per unit	MDE-4320
M04920K-Series	Global Pumping Unit (GPU) Repair Kits - Contact Gasboy for specific kit listing, or check GPU Service Manual MDE-4447	Atlas STD and SHF Models only	1 per grade	Gasboy approved supplier provided instructions.
M05559K001	Universal Seals Kit	Atlas/Titan	1 per unit	
M05813K004 <i>Note: New Bezel with Totalizer Opening may be required.</i>	Main Totalizer Relocation Kit	Atlas Single Comm Mech Model 9100 except 9140	1 per unit	032933
	Main Totalizer Relocation Kit	Atlas Dual Comm Mech Model 9100 except 9140		
	Main Totalizer Relocation Kit	Atlas 9140 Comm Mech Super-Hi		
M05816K001	Submersible Drive Relay Kit, Single	Atlas Electronic Units	1 per unit	MDE-4596
M05816K002	Submersible Drive Relay Kit, Dual			
M05819K001	ATC Comm Field Kit, Single	Atlas Electronic Commercial STD and SHF	1 per unit	MDE-4331
M05819K002	ATC Comm Field Kit, Dual			
M05819K003	ATC UHF Field Kit - Single	Atlas Ultra-Hi Comm 1-hose		
M05819K004	ATC UHF Field Kit - Dual	Atlas Ultra-Hi Comm 2-hose		

Atlas Kits

Kit Number	Description	Used On	Quantity	MDE/Drawing
M05828K001	HHR Post and Hardware Kit	High Hose Retriever Kit for Mechanical Atlas Models 91/87	1 per hose	MDE-4430
M05828K002	HHR Post and Hardware Kit	High Hose Retriever Kit for Electronic Atlas Models 98/88		
M06184K001	Vapor Recovery Complete Kit w/HHR	Atlas Electronic Dispensers	1 per hose	MDE-4487
M06184K002	Vapor Recovery Complete Kit w/HHR	Atlas Mechanical Dispensers		
M06227K001	Lamp Kit	Mechanical Units	1 per unit	MDE-4512
M06227K002	Lamp Kit	Electronic Units		
M06245K001	Pulser Retrofit Kit 10:1 Volume Dual	Mech 87K, 91K except 9140K	1 per unit	MDE-4506
M06245K002	Pulser Retrofit Kit 100:1 Volume Dual			
M06245K003	Pulser Retrofit Kit 1:1 Volume Dual			
M06245K004	Pulser Retrofit Kit 10:1 Volume SGL			
M06245K005	Pulser Retrofit Kit 100:1 Volume SGL			
M06245K006	Pulser Retrofit Kit 1:1 Volume SGL			
M06245K007	Pulser Retrofit Kit 100:1 Money SGL	Mech 87K		
M06245K008	Pulser Retrofit Kit 100:1 Money Dual	Mech 9140K		
M06245K009	Pulser Retrofit Kit 10:1 Volume 9140			
M06245K010	Pulser Retrofit Kit 1:1 Volume 9140			
M06245K011	Pulser Retrofit Kit 100:1 Volume 9140			
M06301K009	Electro-mech Tot w/Pulse-out	Atlas Retail Elec Sgl and Dual Units, except UHF	1 per unit	MDE-4511
M06301K008	Electro-mech Tot w/o Pulse-out			
M06333K002	Atlas 9800 CPU Generic Spare Kit (115 VAC)	Contains: M06333K9800K M07588A001 M06656K001-K005 M08218K001 (ATC Kit)	1 per unit	MDE-4334
M06333K003	Atlas 9800 CPU Generic Spare Kit (230 VAC)	Contains: M06333K9800K M07588A003 M06656K001-K005 M08218K001 (ATC Kit)	1 per unit	MDE-4334
M06382K003	Electro-mech Tot w/RS-485 I/F	Atlas Comm Elec Units	1 per unit	MDE-4511
M06382K004	Electro-mech Tot w/Pulse-out I/F (Dual Common/Distinct outputs, Two Dual Common Outputs)	Atlas Comm Elec Units		

Kit Number	Description	Used On	Quantity	MDE/Drawing
M06391K001	Satellite Piping Conversion Kit	9153KX and 9853KX, 115 V SGL	1 per unit	MDE-4514
M06391K002	Satellite Piping Conversion Kit	9153KX and 9853KX, 115 V Dual		
M06391K003	Satellite Piping Conversion Kit	9153KX and 9853KX, 230 V SGL		
M06391K004	Satellite Piping Conversion Kit	9153KX and 9853KX, 230 V Dual		
M06422K001	Satellite Piping Kit	Ultra-Hi 1Grade Dispenser	1 per unit	MDE-4514
M06422K002	Satellite Piping Kit	Ultra-Hi 2Grade Disp		
M06422K003	Satellite Piping Kit	Ultra-Hi 1Grade Pump		
M06430K001	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Electronic 1GR 1HS	1 per unit	MDE-4522
M06430K002	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Electronic 2GR		
M06430K003	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Electronic 1GR 2HS		
M06430K004	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Mechanical 1GR 1HS		
M06430K005	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Mechanical 2GR		
M06430K006	Vapor Recovery Complete Kit w/HHR	Atlas Self-contained Mechanical 1GR 2HS		
M06648K001	Discharge Piping Kit, 1" NPT	Atlas STD Models	1 per hose	MDE-4533
M06656K001	S/W, Standard 9800K	M06656K00X are Atlas 9800 Serial EEPROM boards used for reprogramming M06333KXXXX CPU Boards	1 per unit	M02775, M06656
M06656K002	S/W, Ultra-High 9850			
M06656K003	S/W, Super-Hi 9840K			
M06656K004	S/W, Standard 9800Q			
M06656K005	S/W, Super-Hi 9840Q			
M06656K100	S/W, Standard 9800K, Ultra-High 9850, Super-Hi 9840K, Standard 9800Q, Super-Hi 9840Q	Consists of M06656K001 - K005 (Used for reprogramming M06333KXXXX CPU Boards)	1 per unit	M02775, M06656
M06699K001	Motor Kit, 1 HP 60 Hz 1PH	Atlas Self-contained	1 per hose	MDE-4541
M06699K002	Motor Kit, 1 HP 50 Hz 1PH	Atlas Self-contained		
M06731K001	Field Attachments Kit for Factory Installed Vapor Recovery	Atlas Self-contained	1 per hose	MDE-4487
M06874K001	Mechanical Hand Drive	Atlas STD and Self-contained Pumps	1 per grade	MDE-4557
M06875K001	ATC Retail Kit Single w/Pulse-out	Atlas Electronic Retail Models 88K	1 per unit	MDE-4556
M06875K002	ATC Retail Kit Dual w/Pulse-out			
M06897K001	Heater Kit, Display Battery Backup, 115 V	Atlas Electronic Models Only	1 per unit	MDE-4555
M06897K002	Heater Kit, Display Battery Backup, 230 V			
M06804K002	Air Gap Rain Baffle Kit	Atlas Electronic Models Only	1 per unit	MDE-4548
M06943K001	Mechanical Tot, Gal	Atlas Ultra-Hi Models	1 per hose	MDE-4568
M06943K002	Mechanical Tot, Lit			
M08400K001	Kit, Atlas Bezel Installation	Atlas Standard Models	1 per unit	MDE-4740

This page is intentionally left blank.

Parts List

Numerics

003017 134	022619 104, 107	047611 131
003018 136	023146 35	047612 131
003071 131, 134	023596 104, 106	048568 98
003116 142, 143, 144	024895 35, 36, 38	048658 98
003117 142, 143, 144	025015 102, 104, 106, 110, 113, 115, 14	048662 98
003151 136	3	048677 98
003152 136	025030 52, 102, 104, 106, 110, 113	048810 102, 104, 106
003184 13	025045 102, 104, 106, 110, 111, 113, 11	048811 102, 104, 106
003336 12	4, 131, 142, 143, 144	048812 102, 104, 106
003337 145	025548 98	048813 102, 104, 106
003338 12	025777 98	048814 102, 104, 106
003347 12	026019 31	048815 102, 104, 106
003354 12	026044 132	049001 103, 105, 107
003461 145	026045 131, 132	049022 98
003502 131, 134	026047 132	049023 98
003602 131	026082 134	049024 98
003603 131	026205 136	049025 98
003608 132	026474 132	051813 134, 136
003740 16	026850 12	052020 131
005030 131	027005 136	052976 142, 143, 144
011948 126	027041 104, 106, 110, 113	053017 126
011958 13	027044 104, 106, 110, 113	054033 126
012003 132, 134	027146 103, 105, 107	054190 132, 134, 136, 139
012129 131	027361 131, 134	054205 131, 134, 136
013030 131	027362 132, 134, 136	054447 13
013190 14	027363 131	056877 102, 104, 106, 109, 111, 112, 11
013294 139	028202 126	4
013295 145	028211 126	056895 102, 105, 107, 109, 111, 112, 11
017169 131	028212 126	4
017561 100	028950 36	057897 132
021009 98	028960 35, 38	062472 132
021065 98	028975 40, 132, 134, 136, 139	063284 131
021071 98, 100, 102, 104, 106	029363 14	063287 131
021079 98, 100, 102, 104, 106	031035 104, 106, 110, 113	063369 131, 134
021082 100	032752 165	064830 102, 104, 106, 110, 111, 113, 11
021301 106, 113	032753 165	4
021337 102, 104, 106, 113	032754 165	064874 142, 143, 144
021347 104, 106	032755 165	067028 40, 139
021377 102	032942 111, 114	067034 38
021737 102, 104, 106, 110, 113	037885 48	067036 38
022073 126	038065 136	067062 40, 139
022478 102	038125 102, 110	067109 14
022479 102	042115 98	067500 142, 143, 144
022481 102	042657 12, 13	067735 48
022482 102	042912 13	068446 50
022485 102, 107	044951 131, 134	068605 131, 132, 134, 136
022486 102, 107	046050 132	068891 102, 104, 106, 109, 111, 112, 11
022487 102	046969 102, 104, 106, 110, 112, 115	4
022488 102	046970 104, 106, 109, 112	068951 14
022605 98	046972 102, 104, 106, 110, 112, 115	069077 127
022618 104, 107	046973 102, 104, 106, 110, 112, 115	069726 104, 106, 113
	047210 12	069737 102

Parts List

097907 134

C

C01028 103, 105, 107
C04243 14
C05818 65
C06372 62, 83, 155, 156
C06387 62, 83, 155, 156
C06394 151
C06396 60, 153
C06397 60, 153
C06424K9850M 53
C06425 152
C06426K9850G 53, 165
C06426K9850L 53, 165
C06426K9850M 165
C06454 65, 155, 156
C06455 65, 159
C06488 60, 153
C06489 60, 153
C06503 151
C06518 159
C06519 159
C06574 159
C06681 149
C06746 152
C06766 50, 65, 124, 159
C06898 149
C08682 110, 111, 113, 114
C09701 62, 155, 156
C35399 62, 155, 156

E

END-1456 10

F

F37340 131

K

K01902 131, 134, 136
K01903 131, 134
K01914-28 126
K01914-71 132, 134
K01941 16, 17, 126
K02124 32
K02137-29 127
K02280 134
K02283 131
K02284 40
K02309-22 40, 132, 134, 136, 139
K02321-20 38
K04585 16, 17
K05287 52, 102, 104, 106

K07565 131
K12179 132, 134, 136, 139
K12630 38
K14830 102, 104, 106
K18719 44
K22468 131, 134, 136
K34673 8
K35222 45
K42428 33, 48, 110, 111, 113, 114
K42448 40, 42, 43, 48, 98, 115
K42757-31 98, 100
K43260 35
K43850 42, 43, 110, 111, 142, 143, 144,
145
K44283 30
K46046 132, 134, 136, 139
K46444 30, 134, 136
K47659 131, 134
K49306 33
K49827 42, 43, 48, 115
K50411-25 16, 17
K50411-31 32
K50411-38 15
K51194 13, 139
K55151-21 32
K55152 32
K56467 142, 143, 144
K57268 40
K57624 42, 43, 142, 143, 144
K65235-33 131, 139, 142, 143, 144
K66314 131, 134
K73278-25 131, 134
K73278-
28 14, 102, 104, 107, 142, 143,
144
K73278-29 126
K75766 17
K76145-21 44
K76238-20 14
K76238-22 51
K76238-37 15, 126
K76238-41 104, 106, 110, 113
K78378-47 51
K78552-21 16
K78953-27 40
K81090-20 142, 143, 144
K85561 44
K85573-01 16, 17
K85736-05 42, 43
K85736-39 104, 106
K85736-51 14
K85940 17
K86055-01 16, 17
K89681 52, 102, 104, 106, 113
K89852 16

K93293-06 84
K93293-10 100
K93546 51
K93546-01 32
K93682-G1 53
K93682-G7 53
K94160-01 53
K94254-01 30
K96618 45

M

M00044A001 1
M00136B002 51
M00137B004 51
M00414B002 15
M00414B003 13, 16, 25, 26, 38, 44, 48,
118, 121
M00415B006 100
M00415B009 35, 36, 40, 100
M00415B010 43
M00415B011 29
M00415B017 25, 26, 121, 123
M00417B004 124
M00417B009 25, 27, 40, 42, 43, 44, 50,
100, 118, 119, 120, 121, 122,
132, 142, 143, 144
M00417B101 50
M00417B113 42, 43
M00417B224 50, 52, 124
M00455A002 65
M00455A003 85
M00703B002 38
M00959B008 25, 26, 121, 123
M00959B016 48
M00959B019 25, 26, 121, 123
M01068B303 48
M01071B001 35, 37
M01207B001 56, 74
M01598A001 77
M01800A001 96
M02739A001 93
M03015A002 51
M03023A001 51
M03025B001 51
M03081B001 50
M03624A002 91
M03946K001 53, 165
M03946K002 53, 165
M03946K003 53, 165
M03946K004 53, 165
M03946K005 53, 165
M03946K006 53, 165
M04011B001 56, 74
M040662B001 36
M04193A001 159

M04251B001 22, 23, 118, 121	M04887B011 8	M05235B001 42, 43
M04259B001 29	M04887B012 8	M05244B001 50
M04265B001 98	M04887B013 8	M05248A001 61, 152
M04287B001 10	M04887B014 8	M05274A001 100
M04299B001 50	M04889A001 85	M05292B001 110
M04299B003 50	M04890A001 19	M05293B001 113
M04460B001 22, 23, 25, 118, 121	M04920B001 35, 46	M05295A001 13
M04461A001 50	M04920B003 35, 46	M05314B001 14
M04461A002 50	M04956A001 75	M05338B001 42, 43
M04480B010 42, 43	M04956A002 75	M05346A001 - A004 59
M04483A001 50	M04956A004 57	M05346A002 53
M04485A001 56, 74	M04956A005 57	M05346A004 53
M04536B010 43	M04956A006 75	M05347B010 37
M04607B001 30	M04956A007 75	M05368B001 110, 111, 114
M04607B002 30	M04956A008 57	M05369B001 114
M04607B003 30	M04956A009 57	M05536A001 121, 123
M04607B005 30	M04973B001 35	M05537B001 118, 119, 120, 121, 122
M04607K010 165	M04973B005 37	M05538B001 118, 119, 120
M04607K012 165	M04973B006 12	M05539A002 124
M04607K013 165	M04996A020 100	M05540B002 124
M04617A001 13	M04996A021 100	M05542B001 126
M04623A001 13	M05038B001 42, 43	M05542B002 126
M04624B020 29	M05039B001 42, 43	M05552B010 40
M04639B001 15	M05040B001 83	M05559K001 165
M04641A003 16	M05044B001 62	M05560A001 40
M04656A001 50	M05045B001 62	M05561A001 40
M04658A001 85	M05048B001 42, 43	M05567A001 44
M04659A001 85	M05049B001 42, 43	M05574B001 12, 15
M04659A002 85	M05083B001 50	M05575B001 142, 143, 144
M04659A003 85	M05084B001 42, 43	M05576B001 145
M04686B001 35	M05095B001 10	M05577B001 132
M04731B101 131	M05098B001 43	M05582B010 36
M04752B001 16	M05105A001 65, 159	M05600B001 139
M04774A001 22, 23, 118, 121	M05105A002 65, 159	M05601B001 139
M04808B001 76	M05107A001 159	M05602B001 131
M04813B001 19	M05108A001 65, 159	M05611A001 63, 83, 157
M04826B001 14	M05109A001 65, 159	M05611A002 63, 83, 157
M04827A001 14	M05110A001 65, 159	M05622A001 132
M04829B001 14	M05119A001 65, 159	M05624A001 132
M04829B002 14	M05120A001 65, 159	M05625B001 84
M04830A001 35	M05120A002 65, 159	M05627B001 16
M04831A001 35	M05121B001 98	M05629B013 16
M04832B001 8	M05122B001 98	M05632B001 12
M04832B101 8	M05142B001 12	M05641B001 155
M04850A006 50, 85	M05143B001 98	M05642B001 156
M04850A008 50, 65	M05158A001 61, 152	M05645B001 22, 27
M04867A001 48	M05158A002 61	M05646A001 36
M04868A001 25, 121	M05158A003 61	M05647A001 36
M04869B001 48	M05189A002 50, 65	M05677A001 38
M04871B001 25, 26, 121, 123	M05189A004 50, 91	M05680B001 38
M04884B001 50	M05189A006 50, 65	M05681B001 38
M04887B001 7	M05200A001 77	M05682B001 124
M04887B002 7	M05201A001 65	M05683A002 145, 159
M04887B003 7	M05221B001 110	M05683A004 145, 159
M04887B004 7	M05230B009 36	M05684A002 142, 143, 159

Parts List

M05685A002 142, 143, 159	M06333K002 166	M06486B106 6
M05686A002 144, 159	M06333K003 166	M06486B108 6
M05686A003 144, 159	M06333K9800AQ 59	M06487B006 6
M05687A001 132, 134	M06333K9800K 59	M06487B007 6
M05687A002 132, 134	M06333K9840AQ 59	M06487B008 6
M05687A003 136	M06333K9840K 59	M06487B009 6
M05687A004 136	M06333K9850 151	M06487B010 6
M05688A001 136	M06382K001 166	M06487B106 6
M05688A002 136	M06382K003 166	M06487B107 6
M05689A001 126	M06391K001 167	M06487B108 6
M05689A002 126	M06391K002 167	M06487B109 6
M05690B001 38	M06391K003 167	M06487B110 6
M05692A002 144, 159	M06391K004 167	M06506K001 7
M05692A003 144, 159	M06422K001 167	M06615A001 132
M05719A001 91	M06422K002 167	M06628A001 22, 23, 118, 121
M05767A001 44	M06422K003 167	M06648K001 167
M05776B001 42, 43	M06430K001 167	M06656K001 53, 59, 167
M05813K004 165	M06430K002 167	M06656K002 53, 151, 167
M05816K001 165	M06430K003 167	M06656K003 59, 167
M05816K002 165	M06430K004 167	M06656K003* 53
M05819K001 165	M06430K005 167	M06656K004 59, 167
M05819K002 165	M06430K006 167	M06656K004* 53
M05819K003 165	M06485B001 6	M06656K005 53, 59, 167
M05819K004 165	M06485B002 6	M06656K100 167
M05825B001 15	M06485B003 6	M06684B001 25, 26
M05828K001 166	M06485B004 6	M06690B001 50
M05828K002 166	M06485B005 6	M06699K001 167
M05860B001 52	M06485B006 6	M06699K002 167
M05861B001 52	M06485B007 6	M06715B001 8
M05963A001 91	M06485B008 6	M06715B002 8
M05969A002 52, 85	M06485B009 6	M06715B003 8
M06050A001 52	M06485B010 6	M06715B101 8
M06085B001 139	M06485B011 6	M06715B102 8
M06086B001 139	M06485B101 6	M06715B103 8
M06087B001 139	M06485B102 6	M06731K001 167
M06101B001 37	M06485B103 6	M06733B001 22, 23
M06184K001 166	M06485B104 6	M06804K002 167
M06184K002 166	M06485B105 6	M06874K001 167
M06217B001 30	M06485B106 6	M06875K001 167
M06227K001 166	M06485B107 6	M06875K002 167
M06227K002 166	M06485B108 6	M06897K001 167
M06244B001 40	M06485B109 6	M06897K002 167
M06245K001 166	M06485B110 6	M06943K001 167
M06245K0010 166	M06485B111 6	M06943K002 167
M06245K0011 166	M06486B001 6	M07275A002 143, 159
M06245K002 166	M06486B002 6	M07275A004 143, 159
M06245K003 166	M06486B003 6	M07276A001 154
M06245K004 166	M06486B004 6	M07296A001 32
M06245K005 166	M06486B005 6	M07298B003 32
M06245K006 166	M06486B006 6	M07340A001 32
M06245K007 166	M06486B008 6	M07341B003 32
M06245K008 166	M06486B101 6	M07342B001 30
M06245K009 166	M06486B102 6	M07343A001 100
M06301K008 166	M06486B103 6	M07345B001 100
M06301K009 166	M06486B104 6	M07354B001 40
M06333A001 53	M06486B105 6	M07356B001 115

M07366A001 154
 M07366A002 154
 M07391B001 35
 M07588A001 60, 153
 M07588A002 60, 153
 M07588A003 60, 153
 M07588A004 60, 153
 M07851A001 76
 M07990B001 12
 M08220B002 13
 M08340B001 10
 M08400A001 9
 M08400K001 167
 M08909A001 21
 M08928A002 24
 M08928A012 26, 123
 M05292B001 113

N

N15680-01 17
 N15941-44 12
 N16289-
 20 33, 102, 104, 106, 115, 131,
 142, 143, 144
 N16289-22 48
 N16599-124 126
 N16599-45 15
 N16599-48 84
 N16599-59 102, 104, 106, 110, 113
 N16599-71 15
 N16771-78 102, 104, 106, 113
 N18319-03 16, 17
 N18320-21 16, 17
 N18539 44
 N20545-02 16, 17
 N21120-G10 85
 N21120-G6 85
 N21120-G8 85
 N21120-G9 85
 N21861-02 35
 N23567 32
 N23616-02 84
 N23655-01 50, 124
 N23687-01 15
 N23693-G1 15
 N23746-01 50, 124
 N23760-01 124
 N23760-03 50, 124
 N23760-04 50, 52, 124
 N23760-05 124
 N23760-06 50
 N23760-07 50, 124
 N23761-01 50, 124
 N23761-02 124
 N23761-03 50, 124

N23761-04 50

Q

Q10001-20 131
 Q10001-21 132
 Q10016-03 42, 43
 Q10016-
 04 43, 98, 110, 111, 113, 114,
 115
 Q10038-26 126
 Q10038-35 104, 106, 110, 113
 Q10067-31 35
 Q10068-07 35, 36
 Q10068-09 30, 35, 36, 38, 40
 Q10068-14 30
 Q10084-16 15
 Q10131-03 72
 Q10218-05 132
 Q10253-02 29, 126, 132
 Q10385-32 84
 Q10557-01 19
 Q10624-
 01 102, 104, 107, 142, 143, 14
 4
 Q10624-37 102, 104, 106
 Q10651-02 1
 Q10651-29 52
 Q10651-46 154
 Q10865-36 30
 Q10895-07 72
 Q10985-02 35
 Q11024-02 103, 105, 107
 Q11270-174 17
 Q11270-28 13
 Q11763-01 85
 Q11769-15 14, 126
 Q11781-01 72
 Q11889-15 30
 Q11890-03 84
 Q11890-04 52
 Q11899-08 10
 Q12068-03 16
 Q12068-05 16, 17
 Q12068-06 126, 131, 139
 Q12505-01 35
 Q12514-02 65, 85, 159
 Q12514-05 15
 Q12514-10 14, 15
 Q12845-59 154
 Q12885-05 16
 Q12887-48 16
 Q12928-02 76
 Q12974-118 29
 Q13130-01 30
 Q13131-01 30

Q13399-03 12
 Q13641-01 16, 17

R

R06711-52 35
 R06711-61 44
 R06711-75 44
 R11493-20 136
 R11493-21 136, 139
 R11493-22 132, 136, 139
 R11493-26 132, 134
 R11493-28 139
 R11493-30 139
 R11493-46 139
 R11493-50 139
 R11493-52 40
 R11493-58 139
 R11493-77 132, 134, 139
 R11493-90 136, 139
 R11493-93 136
 R11493-96 132, 136
 R11494-68 40
 R11495-23 38
 R11495-38 30
 R11495-90 38
 R11496-43 113, 114
 R11533-28 134
 R11976 74 111, 114
 R11976-39 33
 R11976-42 52
 R11976-43 110, 111
 R11976-44 48
 R11976-52 33
 R11976-54 98
 R11976-57 110, 113
 R11976-62 48
 R11976-67 33
 R11976-72 48
 R11976-74 110, 111, 113
 R11976-76 33
 R11979-
 39 102, 104, 106, 110, 113, 13
 1
 R13824-02 44
 R14213-32 48
 R14213-33 48
 R15181 76
 R15186-G2**N1 76
 R17995-G7 91
 R17995-G8 91
 R18189-10 31
 R18189-30 31
 R18453-01 16, 17
 R18896-G1 31
 R18944-G1 96

Parts List

R19072-G1 85
R19457 30, 31
R19527-G1 93
R19667-G1 93
R19736-10 31
R19936-G1 96
R19939-G1 85
R19951-G1 85
R20039 31
R20128-G1 93
R20129-01 84
R20146-G2 93
R20147-G1 84, 93
R20148-G3 84, 93
R20269-01 15
R20283-G1 72
R20333-G1 72
R20412-G1 85

W

W03879-G1 14

Z

Z07941 40, 132, 134, 136, 139

T

T17448-G1 60, 65, 85, 153
T17448-G3 60, 65, 85, 153
T17549-G1 83
T17622-G9 83
T17768-G1 85
T18767 125, 126
T18994-G1 77
T19301-G1 52
T19319-G1 84
T19386-G1 84
T19397-01 84
T19405-G4 84
T19428-G1 42, 43, 93
T19696-01 72
T19868-G1 72
T19872-G1 85
T19983-G1 85
T20011-G1 77
T20092-G1 77
T20150-G5 29, 45
T20150-G6 29, 45
T20150-G7 29, 45
T20361-05 73
T20361-G1 73
T20569-G1 77

Gilbarco® is a registered trademark of Gilbarco Inc. Super-Hi™ and Ultra-Hi™ are trademarks of Gilbarco Inc. TopKAT™ is a trademark of Gasboy International.



© 2010 GASBOY

7300 West Friendly Avenue · Post Office Box 22087
Greensboro, North Carolina 27420

Phone 1-800-444-5529 · <http://www.gasboy.com> · Printed in the U.S.A.

PT-1949D Gasboy Atlas™ Pump and Dispenser Illustrated Parts Manual · March 2010