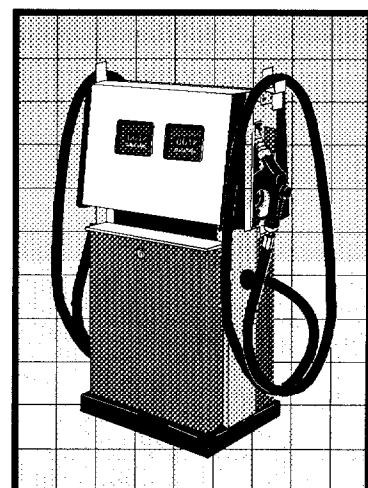
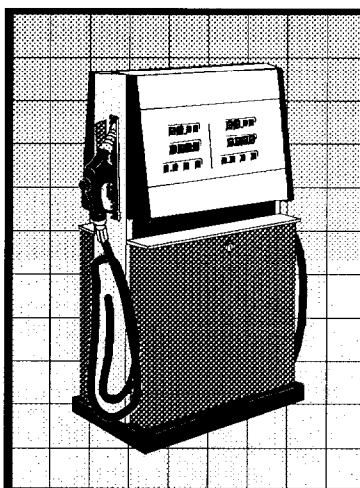
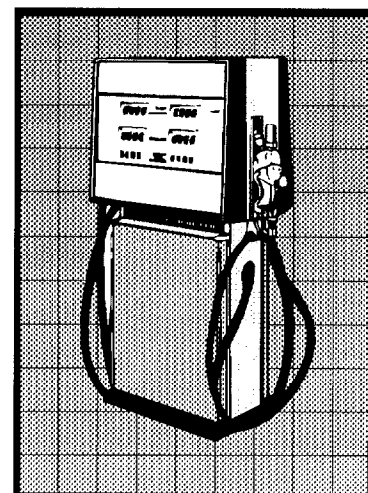
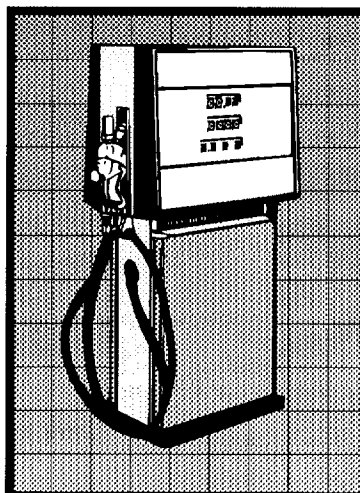


Trimline® Series



Parts Manual

Standard, Intermediate and High Gallonage
Pumps and Dispensers
including Commercial 625 Series,
Commercial 650 Series,
and Ultra-Hi™ 625

COMPUTER PROGRAMS

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

FCC WARNING

This equipment generates, uses, and can radiate radio frequency energy. Equipment not installed according to manufacturer's instructions may interfere with radio communications. This equipment has been tested and complies with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules. These rules provide reasonable protection against such interference in a commercial environment. However, the operation of this equipment in a residential area is likely to cause radio interference. The user is required to correct this interference at his/her own expense.

PERMISSIONS

Gilbarco has been given permission by OPW and Asco to use their illustrations.

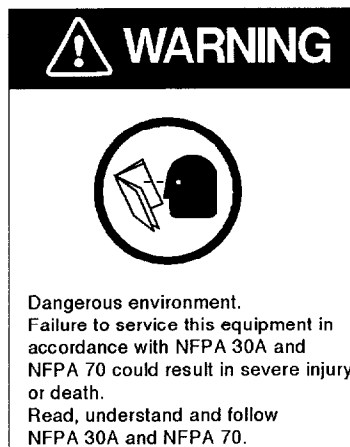
PATENTS

Gilbarco products are manufactured or sold under one or more of the following U.S. patents.

3,814,934	4,876,653
4,566,504	4,890,210
4,687,033	4,913,813
4,728,788	4,938,251
4,799,940	4,939,730

Additional U.S. and foreign patents pending.

READ NFPA 30A AND NFPA 70.



Before servicing the equipment, the service person must read, understand and follow Hydraulics Service Manual, NFPA 30A and NFPA 70. The failure to service the equipment in accordance with, NFPA 30A and NFPA 70 may adversely affect the safe use and operation of the system.

- For safe and proper equipment service, Gilbarco recommends that only the following contractors service Trimline™ pumps and dispensers
 - licensed electricians
 - trained and authorized contractors
- Service people must have full knowledge and complete understanding of servicing Trimline pumps and dispensers in accordance with the following:
 - National Electric Code (NFPA 70)
 - The Automotive and Marine Service Code (NFPA 30A)
 - Other state and local codes may also apply.
- Read Hydraulics Service Manual, manuals for optional features, and service instructions for related equipment before servicing equipment.
- Instructions for other equipment, such as submerged turbine pumps (STPs), shear valves, leak detectors, and underground tanks, must be provided by the equipment manufacturer. Gilbarco does not provide service instructions for other manufacturer's equipment.

This document is subject to change without notice.

Trimline®

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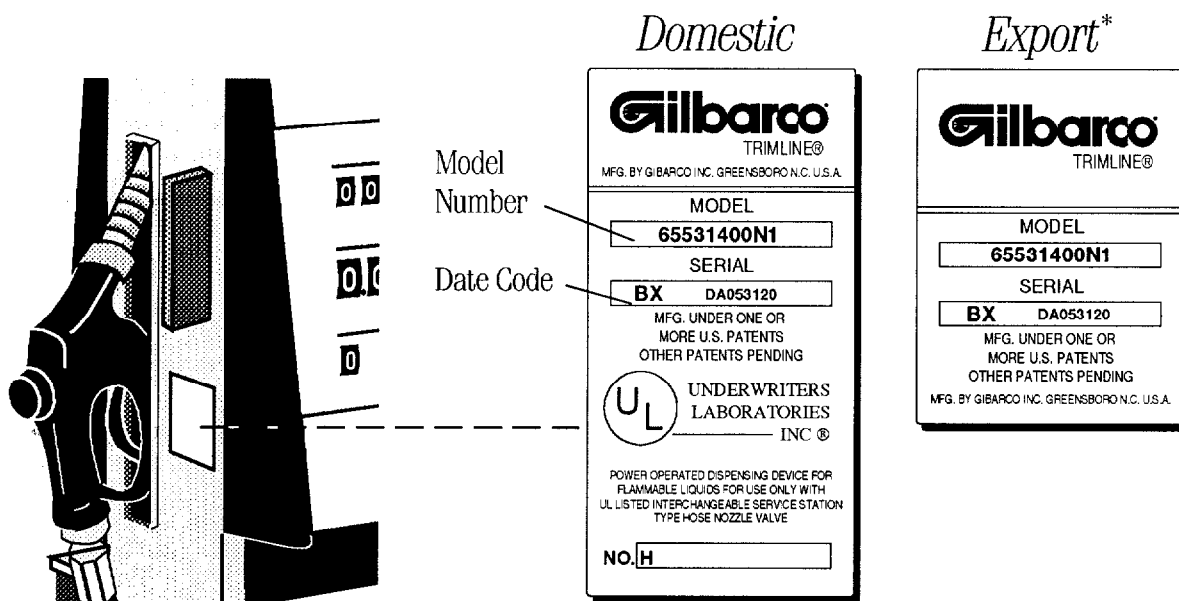
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How to Order

1. Please furnish model number and date code of unit. These are stamped on a plate riveted to the side sheathing.



**Some export models use domestic plate.*

2. When ordering parts supply the following information:

- Quantity needed
- Part number
- Description of part
- Color and Graphics for order entry items

If ordering parts by phone please be prepared to reference the following specifics from the manual:

Example:

PT-1740, Plate 1, Page 14

Item: 1,

(Qty.): 1,

Part Number: T16461-G1,

Description: Feedline Tube Assy.

Item	Qty.	Part Number	Description
1	1	T16461-G1	Feedline Tube Assy.

Model Number

<u>AA0</u>*	X	X	X	X	X	X	X	X	X	X
123	4	5	6	7	8	9	10	11	12	13

4th digit - Type of Unit

- 1 Single
- 2 Dual
- 6 Commercial (Fleet)

5th digit - Light Status

- 5 Unlighted
- 6 Lighted
- Fleet
- 2 Single, unlighted
- 5 Dual, unlighted

6th digit - Number of Products, Retriever

Singles

- 2 Less hose Retriever
- 4 With hose Retriever

Duals

- 1 One Product Dual
- 2 Two Product Dual

Commercial

- 5 Single, Dual-One Product, Non-Computer
- 6 Dual-Two Product, Non-Computer

7th digit - Class

- 0 Dispenser, standard gallonage
- 1 Pump, standard gallonage
- 3 Dispenser, high gallonage
- 5 Pump, high gallonage
- R Pump, standard gallonage with flow control valve
- S Pump, high gallonage with flow control valve
- T Pump, Intermediate gallonage with flow control valve
- U Dispenser, Ultra-Hi™ high gallonage master
- W Dispenser, Ultra-Hi high gallonage satellite

** The first three digits (AA0) are not stamped on the plate.*

8th digit - Special Features

B	"0" Start Ticket Printer
J	Preset, Gilbarco pulser
N	Preset, Veeder Root pulser
0	No special features
1	No special features
<u>Commercial</u>	
H	Fillup, Gilbarco pulser
M	Fillup, Veeder Root pulser
0	No special features
1	"0" Start Ticket Printer
2	Accumulative Start Ticket Printer
5	Keytrol

9th digit - Reset Type

0	Manual Reset original
1	Manual Reset
4	Gilbarco Electric Reset
7	Electric Reset, nozzle operated
9	Electric Reset with call feature

10th digit - Hydraulics Revisions

0	No revision
B	3/4 HP motor
J	Hydraulic Tree
N	Value Analyzed Hydraulic Tree
A	First revision

11th digit - Liquid Measures

0	US gallons, domestic
1	US gallons
3	Metric, export
6	US gallons, export with visible discharge indicator
8	Metric with visible discharge indicator
C	US gallons, export, gear box for metric conversion
D	Imperial gallons, gear box for metric conversion
L	Imperial gallons with Veeder Root 2002E Computer
Q	US gallons, domestic, Veeder Root 2002E Computer
S	Metric, export
T	US gallons, export with Veeder Root 2002E Computer
U	Metric, domestic, Veeder Root 2002E Computer

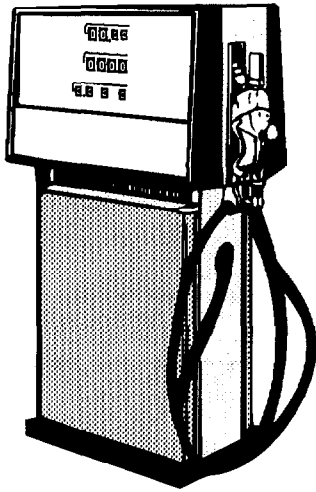
12th and 13th digits

Minor variations, international specifications

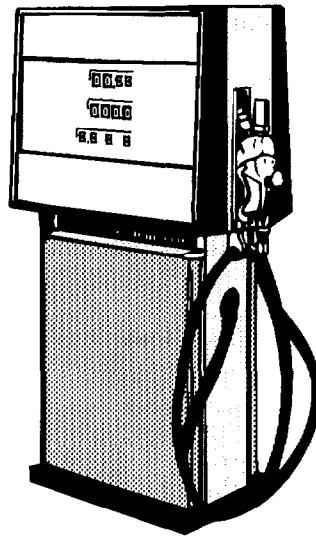
Models Available

Single Pump

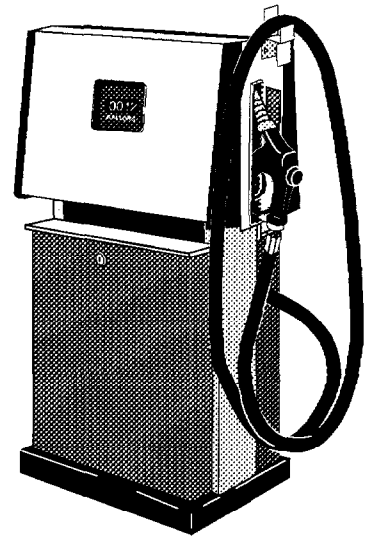
Single Pump



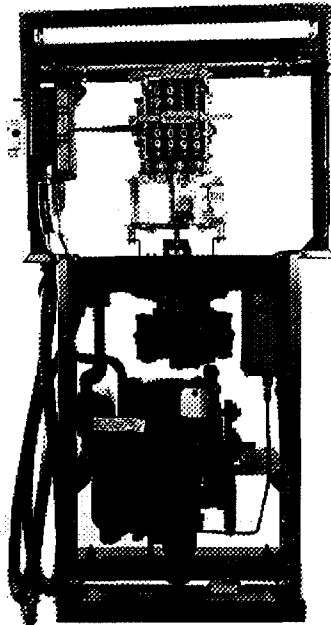
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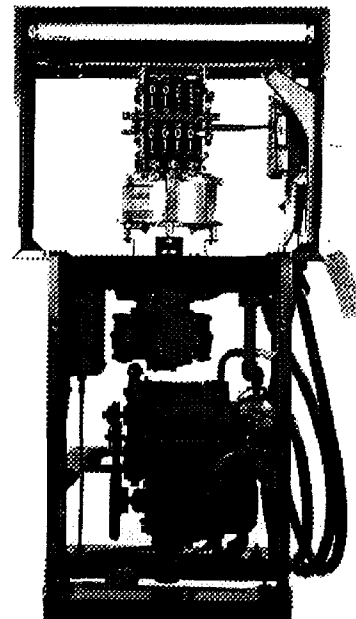
164-1/164-R



625-1/625-R

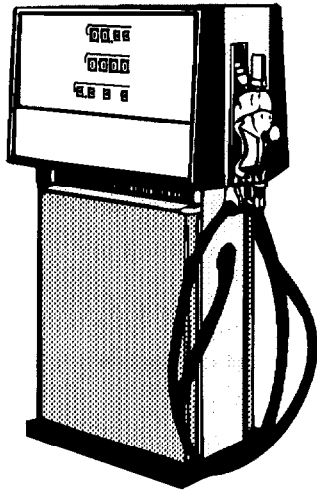


"A"-Side

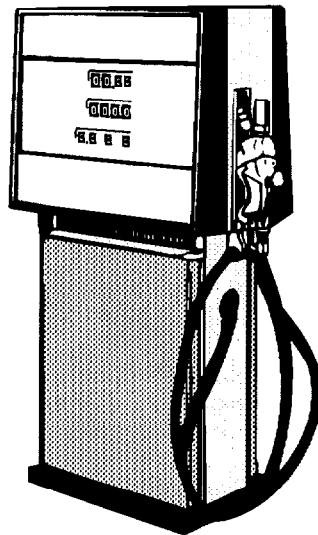


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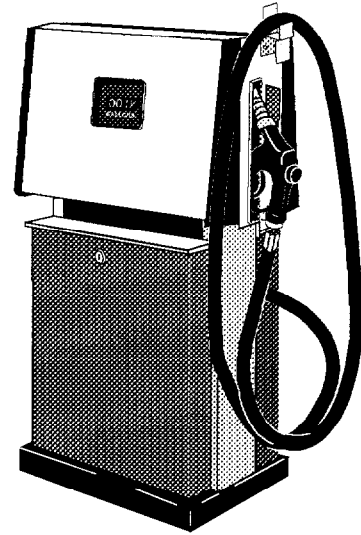
Single Pump, High Gallonage



154-5/154-S

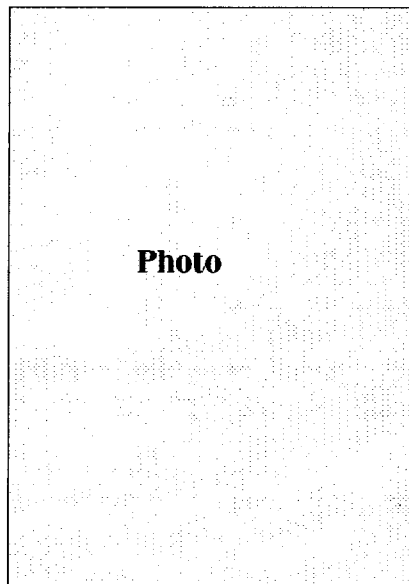


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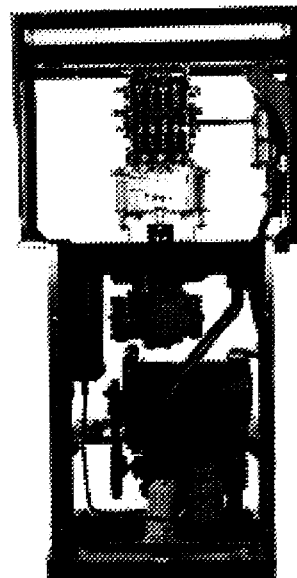


625-5/625-S

Single Pump, High Gallonage



"A"-Side

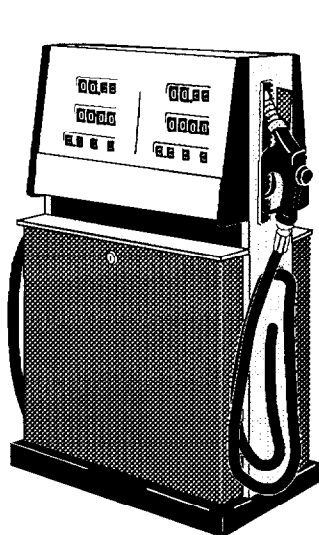


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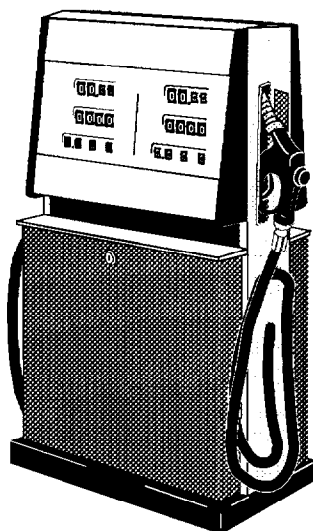
Models Available

Dual One-Product Pump

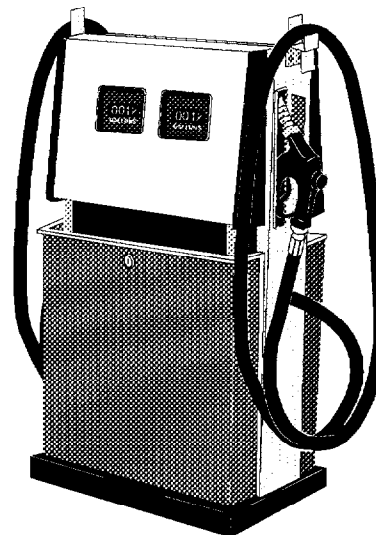
Dual One-Product Pump



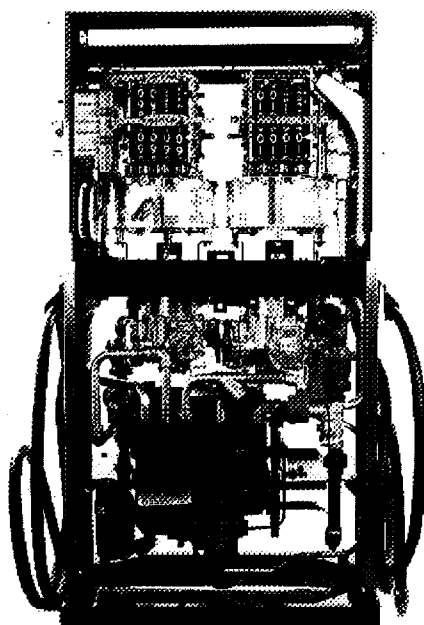
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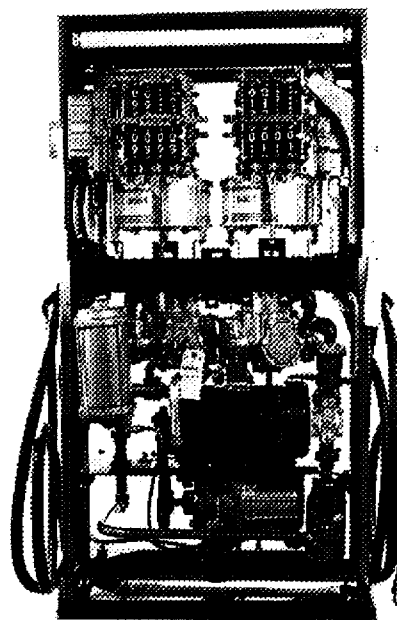
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655-1/655-R



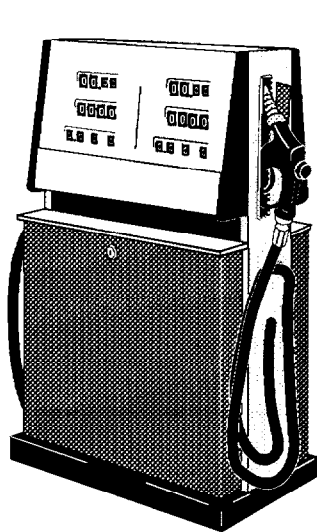
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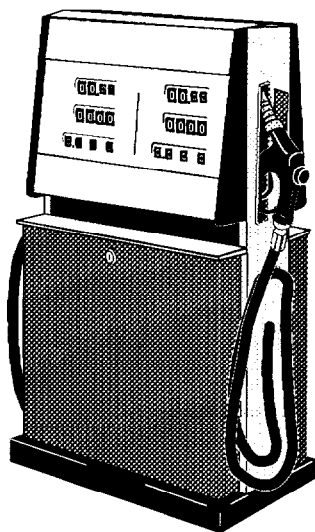
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Dual Two-Product Pump

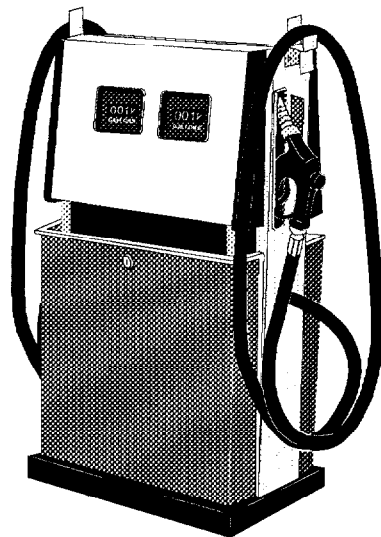
Dual Two-Product Pump



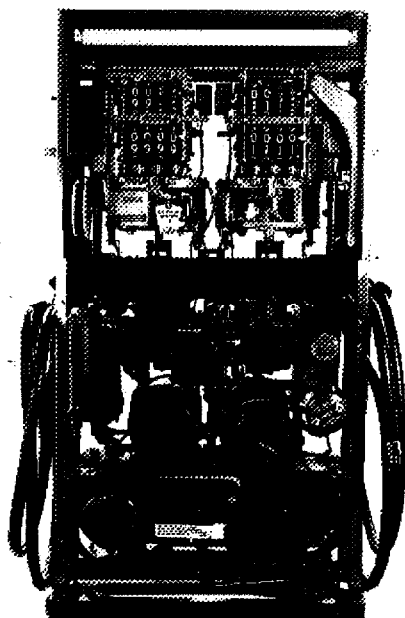
252-1/252-R



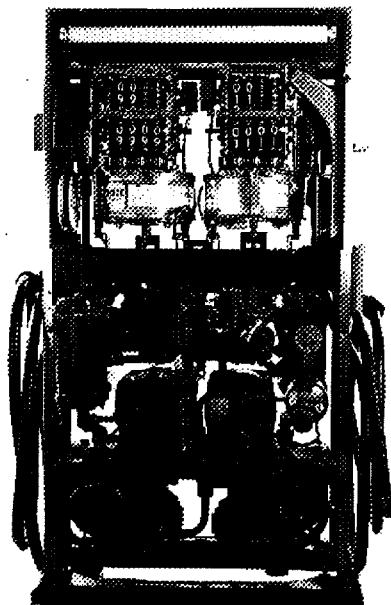
262-1/262-R



656-1/656-R



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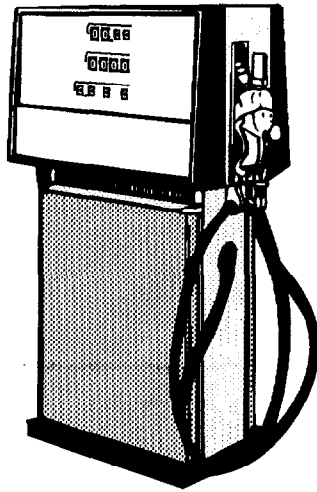


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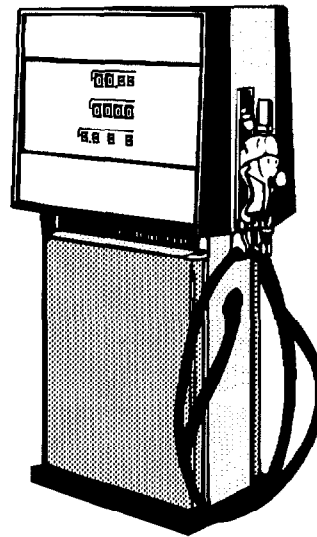
Models Available

Single Dispenser

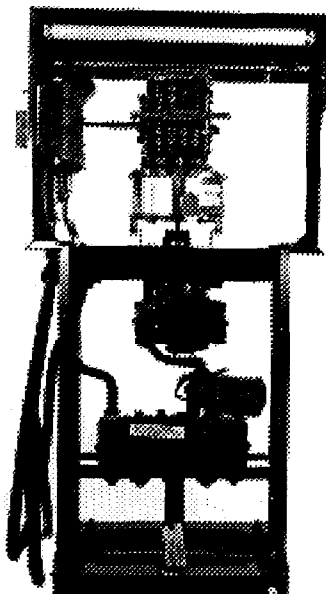
Single Dispenser



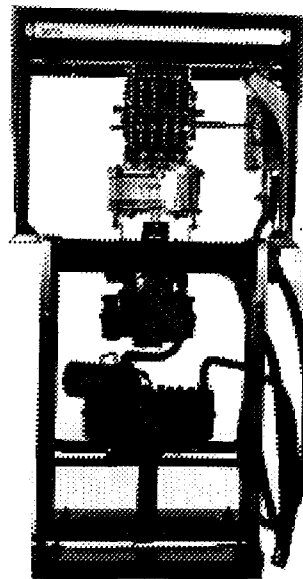
154-0



164-0

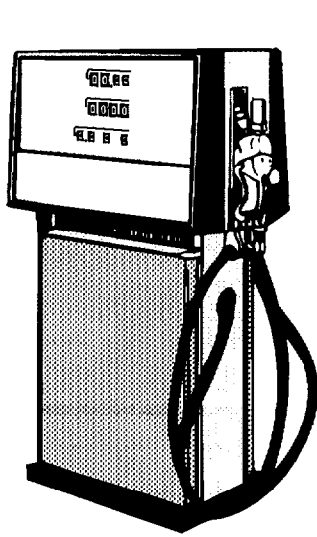


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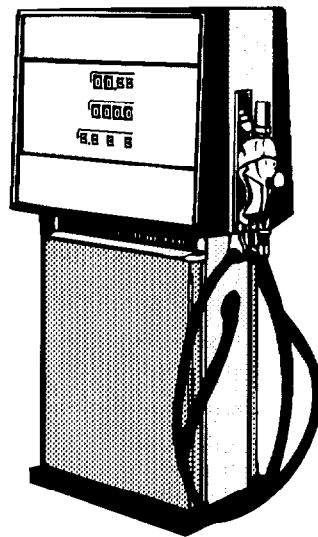


"B"-Side

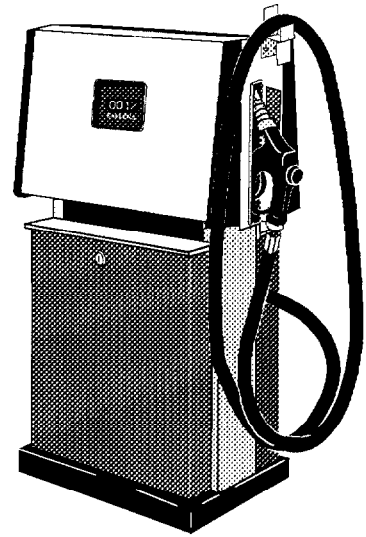
Single Dispenser, High Gallonage



154-3

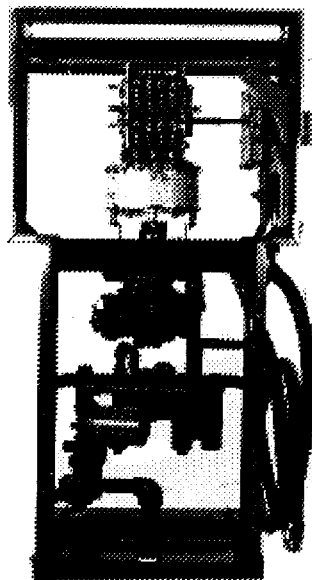


162-3/ 164-3

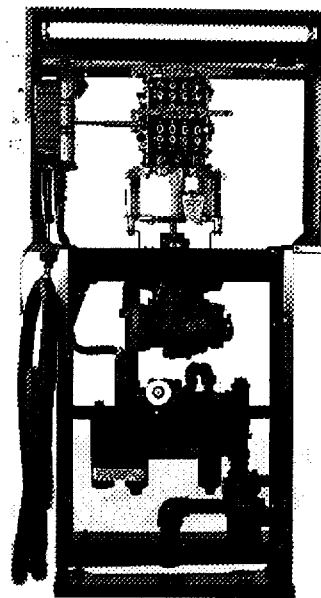


625-3

Single Dispenser, High Gallonage



"A"-Side

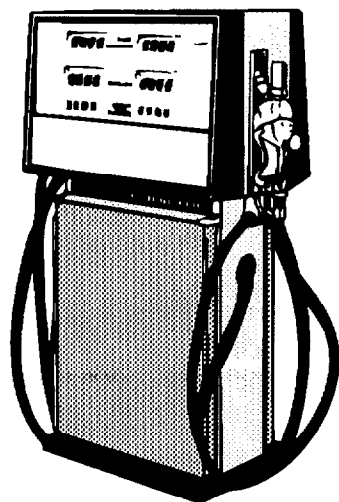


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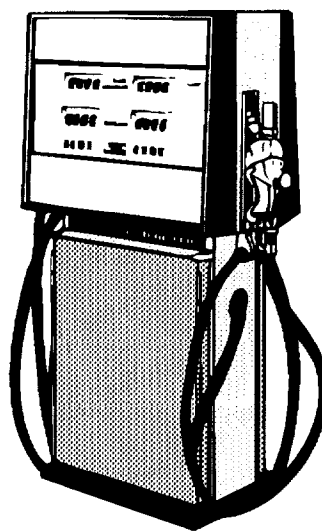
Models Available

Dual One-Product Dispenser

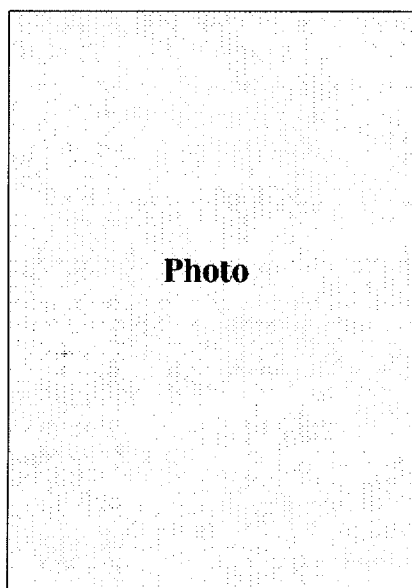
Dual One-Product Dispenser



251-0

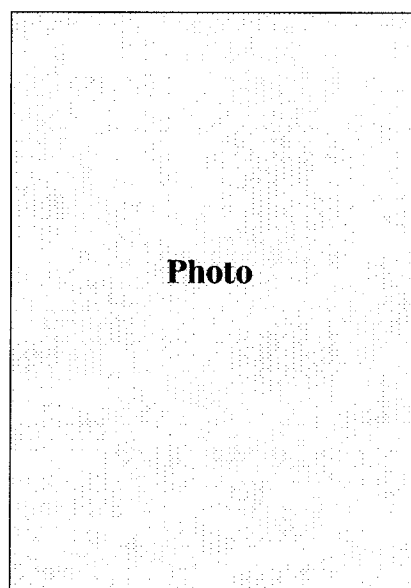


261-0



Photo

"A"-Side

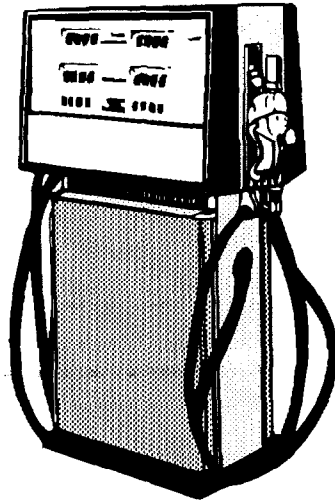


Photo

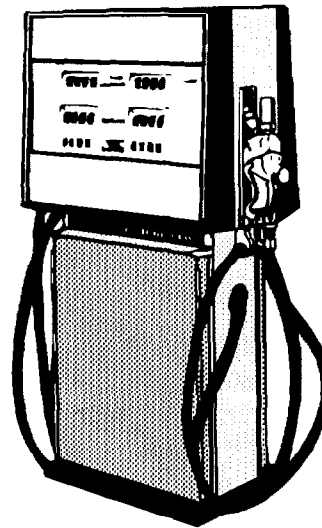
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Dual Two-Product Dispenser

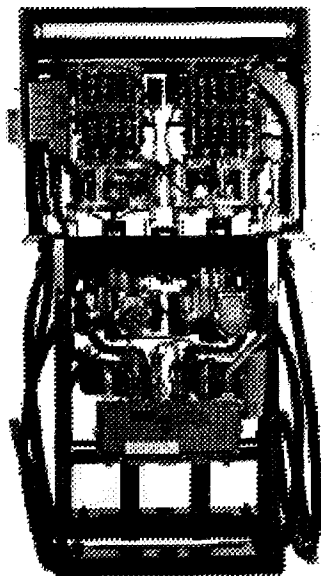
Dual Two-Product Dispenser



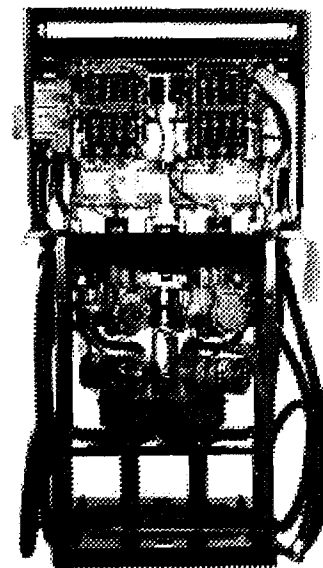
252-0



262-0



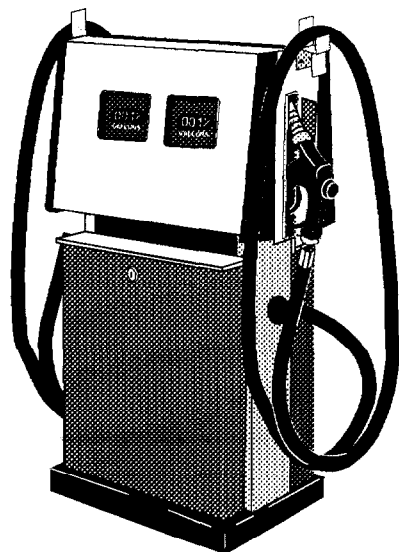
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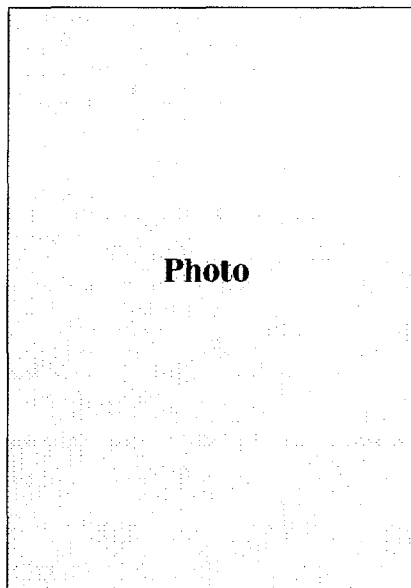
"B"-Side

Models Available

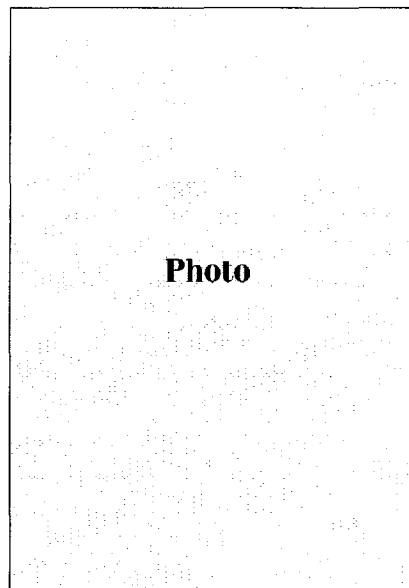
Dual One-Product Dispenser, High Gallonage



655-3

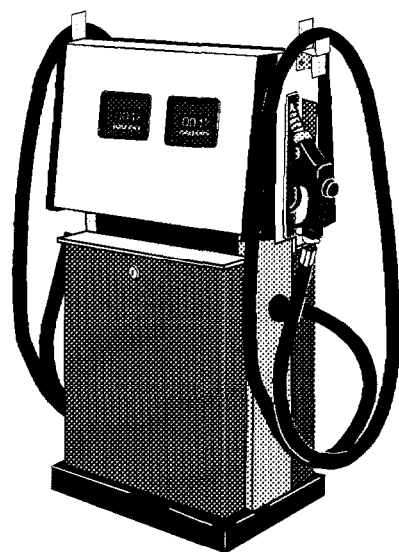


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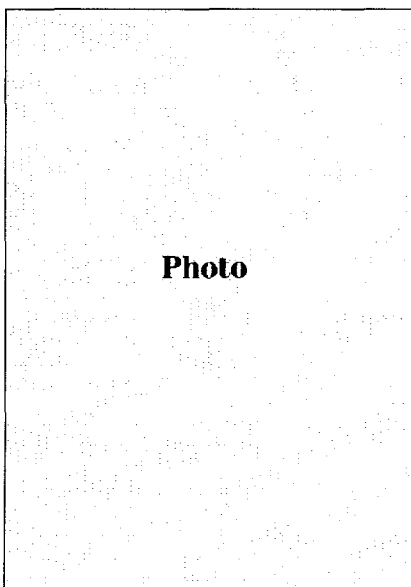


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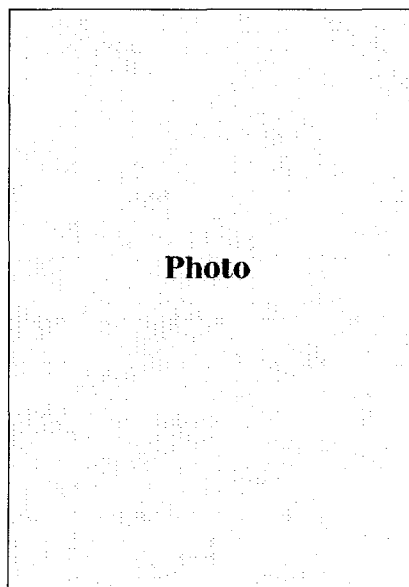
Dual Two-Product Dispenser, High Gallonage



656-3

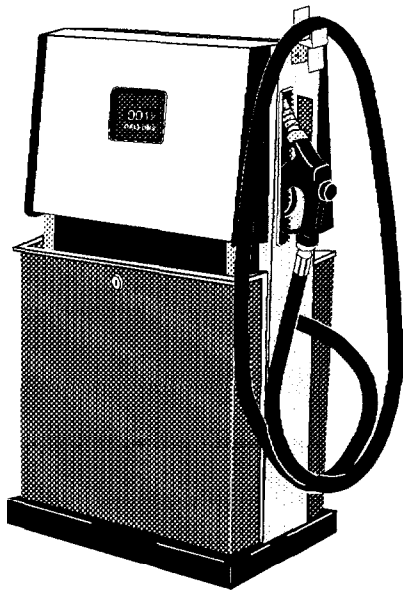


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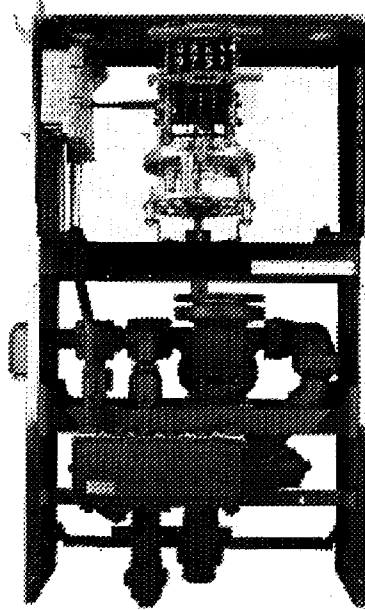


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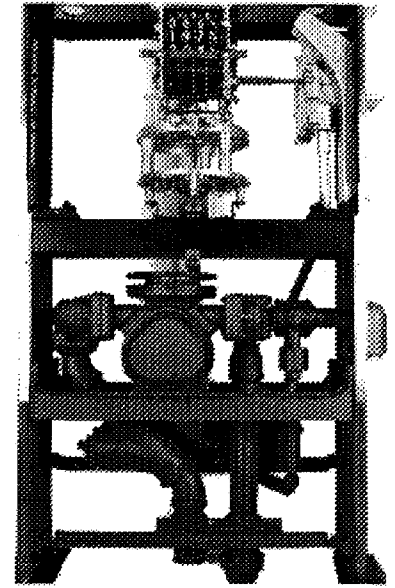
Ultra-Hi 625 Dispenser



625-W



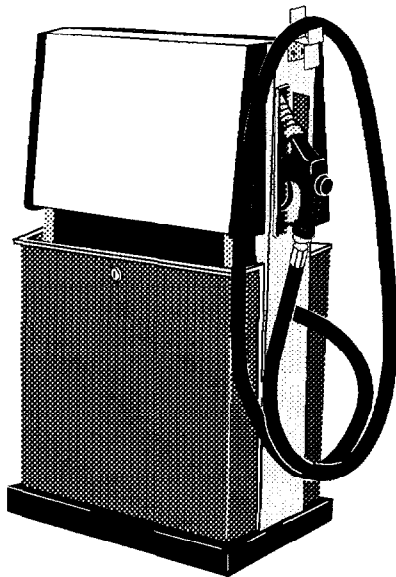
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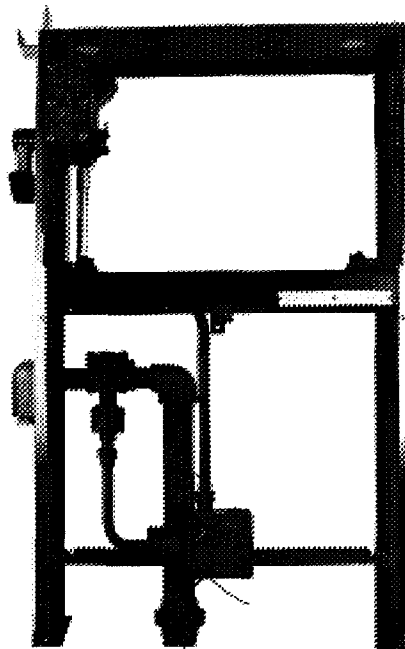
"B"-Side

Ultra-Hi 625 Dispenser & Satellite

Ultra-Hi 625 Satellite



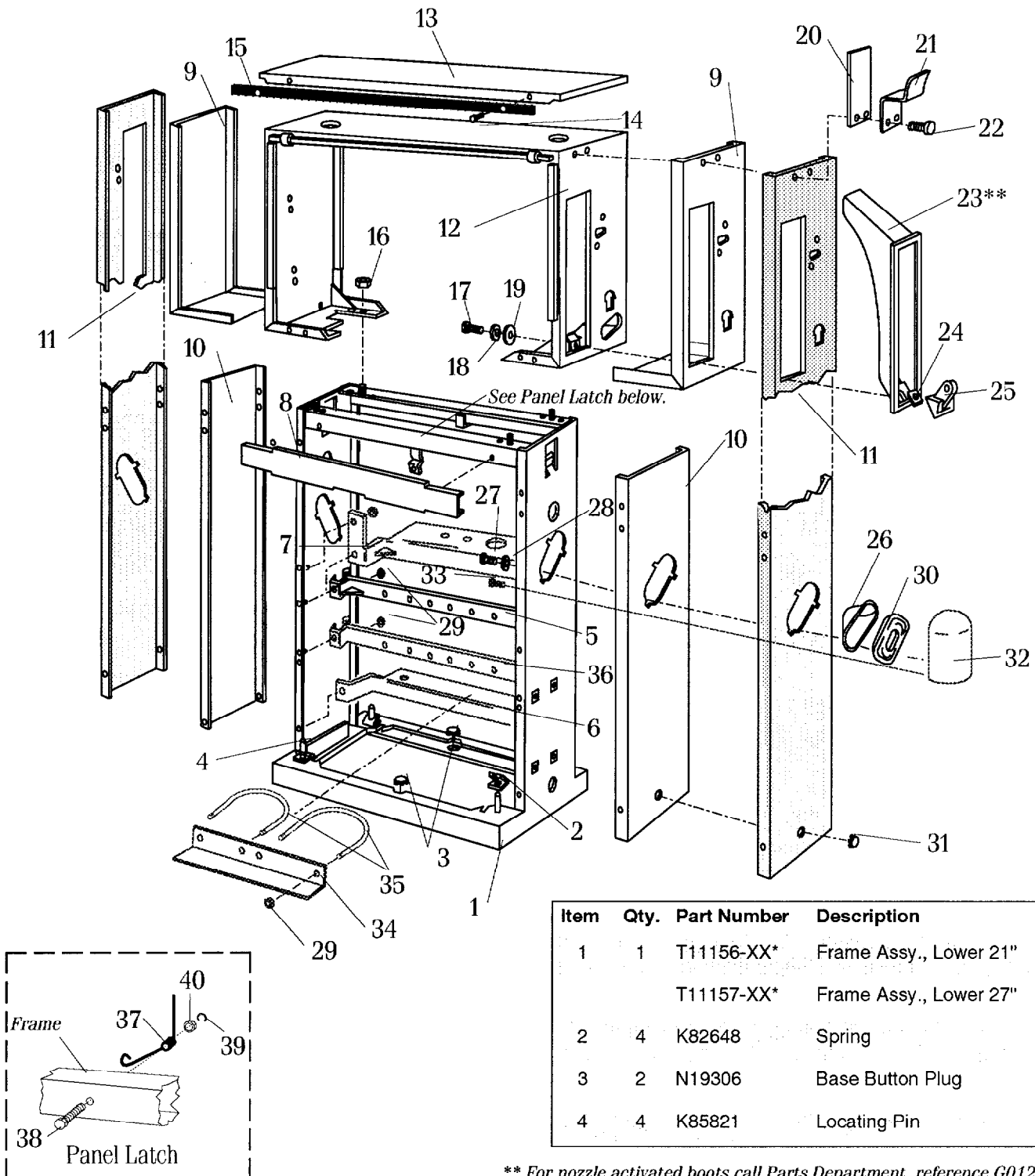
627-W



Frame Assemblies

Plate 1

Main Frame and Sheathing - All Models



Main Frame and Sheathing - All Models

Item	Qty.	Part Number	Description
5	1	N18280	Junction Box Support (Dispensers Only)
6	1	R17176	Strainer Support Bracket (Ultra-Hi Only)
7	1	T18761-G1	Meter Support Bracket (Ultra-Hi Only)
8	2	R14843-02	Decorative Strip, 21" Frames
		R14842-02	Decorative Strip, 27" Frames
9	2	T08001-XX*	Sheathing, Upper 21"
		T08462-XX*	Sheathing, Upper 21" (For Keytrol)
		T07561-XX*	Sheathing, Upper 21"
10	2	T12592-XX*	Sheathing, Lower 21" (Standard Gallonage)
		T12594-XX*	Sheathing, Lower 21" (High Gallonage)
		T07592-XX*	Sheathing, Lower 21" (High Gallonage, with options)
11	2	T12597-XX*	Sheathing, 27" Frames
12	1	W01099-XX*	Frame Assy. , Upper
13	1	R12404-01	Top Sheathing
		N18655	Top Sheathing (Units with Top Lights Only, includes 15)
14	4	K82632-22	Rivet Stud (Units Less Top Lights)
		K81049-21	Rivet Stud (Units with Top Lights)
15	2	K85757	Gasket (Units with Top Lights)
16	**	Q11890-06	Hex Flange Nut 3/8-18
17	**	K01900	Bolt 1/4-20 x 1"
18	**	K02217-20	Lockwasher 1/4"

Item	Qty.	Part Number	Description
19	**	K14056	Flatwasher 1/4"
20	**	K85430	Back Plate
21	**	N18494	Hose Hook
22	**	K02394-34	Carriage Bolt 1/4-20 x 3/4"
23	**	T07601	Nozzle Boot
24	**	K85262	Gasket, Nozzle Hook
25	**	N18360-02	Nozzle Hook
26	**	R12430	Hose Outlet, Die Cast (High Gallonage Only)
27	**	K82603-21	Screw 8-32 x 1/4" (For Hose Outlet Only)
28	**	K82468-36	Retaining Ring 1/4" (For Hose Outlet Only)
29	2	Q11890-05	Hex Flange Nut 5/16-18
30	**	K82214-20	Hose Grommet
31	2	K60860-60	Button Plug
32	1	R19369-10	Hose Mounting Block (Ultra-Hi Only)
33	2	Q11889-26	Cap Screw 3/8-16 x 1" (Ultra-Hi Only)
34	1	R19415	Clamp Bracket (Ultra-Hi Master Only)
	1	R19412	Clamp Bracket (Ultra-Hi Satellite Only)
35	**	K21608	U Bolt 5/16-18 (Ultra-Hi Only)
36	1	R17177	Junction Box Strap (Ultra-Hi Master Only)
37	2	K85535	Panel Latch Spring
38	2	K85536	Latch Spring Stud
39	2	K82468-35	Retaining Ring 5/16
40	2	K42999	Washer

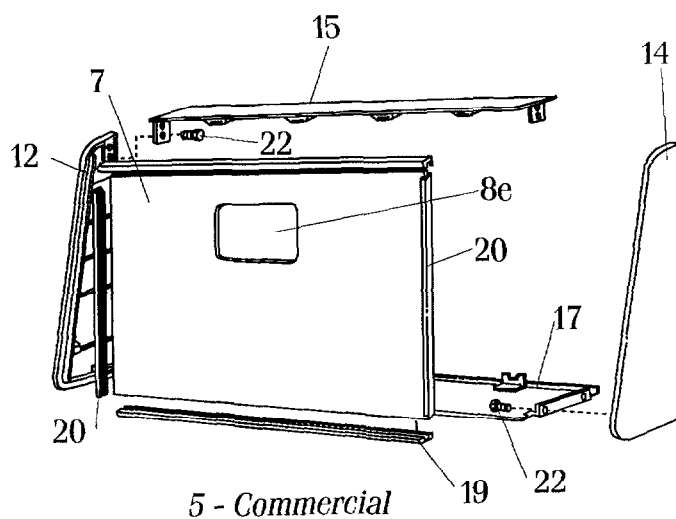
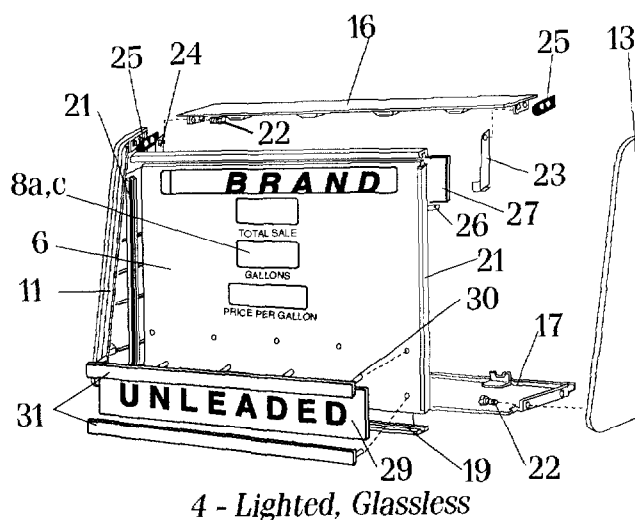
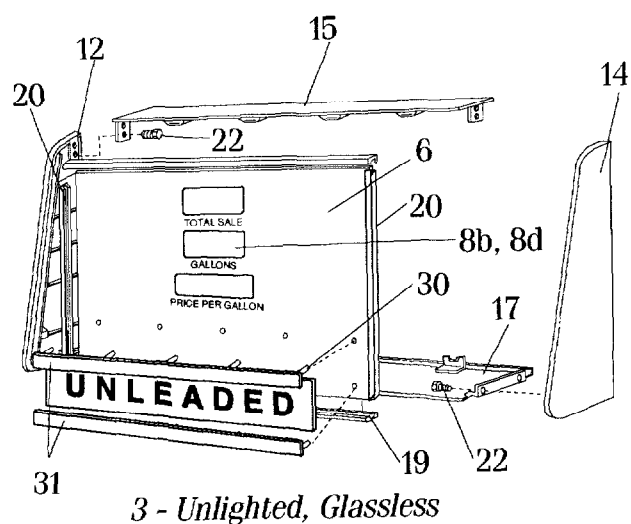
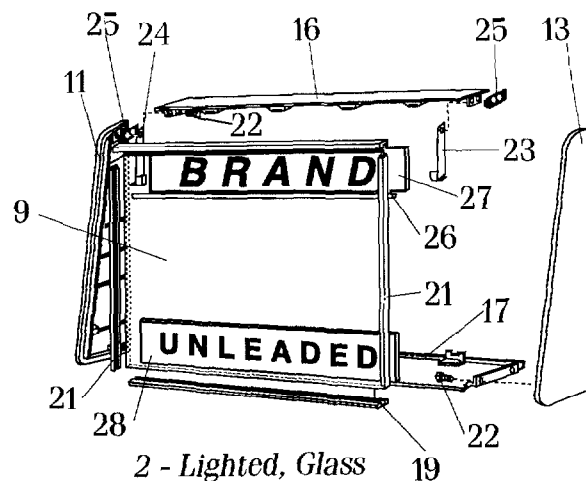
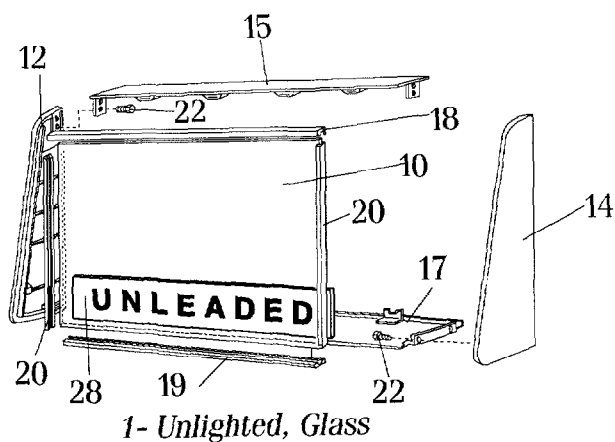
* Order Entry Item. Specify options, if any, when ordering.

**Quantity varies with model.

Frame Assemblies

Plate 2

Upper Panel Assemblies - All Models



Upper Panel Assemblies - All Models

Item	Qty.	Part Number	Description
1	1	W01112-XX*	Panel Assy. (Glass, Unlighted)
2	1	W01141-XX*	Panel Assy. (Glass, Lighted)
3	1	W02364-XX*	Panel Assy. (Glassless, Unlighted)
4	1	W02365-XX*	Panel Assy. (Glassless, Lighted)
5	1	W02380-XX*	Panel Assy. (Commercial Units)
6	1	*	Panel Insert (Glassless, Lighted and Unlighted; Includes Item 8)
7	1	W02377-G1*	Panel Insert (Commercial Single, White; Includes Item 8)
		W02377-G2*	Panel Insert (Commercial Dual, White; Includes Item 8)
8	**	Glass Replacement Kits	
8a		K34716	(Single, unlighted models)
8b		K34717	(Single, lighted models)
8c		K34718	(Dual, unlighted models)
8d		K34719	(Dual, lighted models)
8e		K35470	(Commercial Models)
9	1	N18344-04	Glass, (Lighted Models)
10	1	N18344-03	Glass, (Unlighted Models)
11	1	T07953-01	Side Member, Left (Lighted Models)
12	1	T07588-01	Side Member, Left (Unlighted Models)
13	1	T07953-08	Side Member, Right (Lighted Models)
14	1	T07588-02	Side Member, Right (Unlighted Models)
15	1	N18849-03	Upper Member (Unlighted Models)
16	1	N20549-02	Upper Member (Lighted Models)

Item	Qty.	Part Number	Description
17	1	R12547-09	Lower Member
18	1	K81400-27	Upper Seal Strip
19	1	K85534-02	Lower Seal Strip
20	2	K81400-26	Side Seal Strip (Unlighted Models)
21	2	K81400-29	Side Seal Strip (Lighted Models)
22	8	K85149-02	Screw 10-32 x 3/8"
23	1	N19181-01	Brand Panel Clip, Right
24	1	N19181-02	Brand Panel Clip, Left
25	2	K85789	Seal Pad, Brand Panel Clip
26	1	K92444-01	Brand Panel Support, Upper
27	1	T08702-XX*	Brand Panel, Upper
28	1	R12522-01*	Brand Panel, Lower (Glass Models)
29	1	T13062-XX*	Brand Panel, Lower (Glassless Models)
30	5	K82561-21	Tee Bolt 8-32 x 1/2"
31	2	K85161-04	Trim, Lower Brand Panel

Quantity shown per assembly.

**Order Entry Item. Specify color and graphics.*

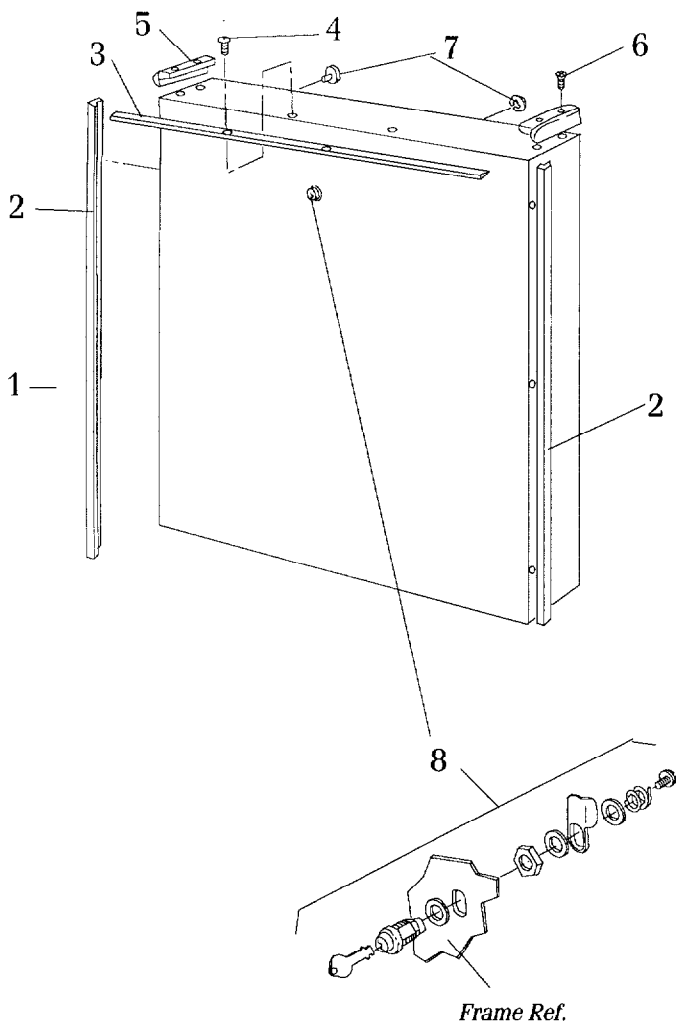
***Quantity varies with model.*

Part numbers shown are for singles and duals unless specified otherwise.

Frame Assemblies

Plate 3

Lower Panel Assembly - All Models



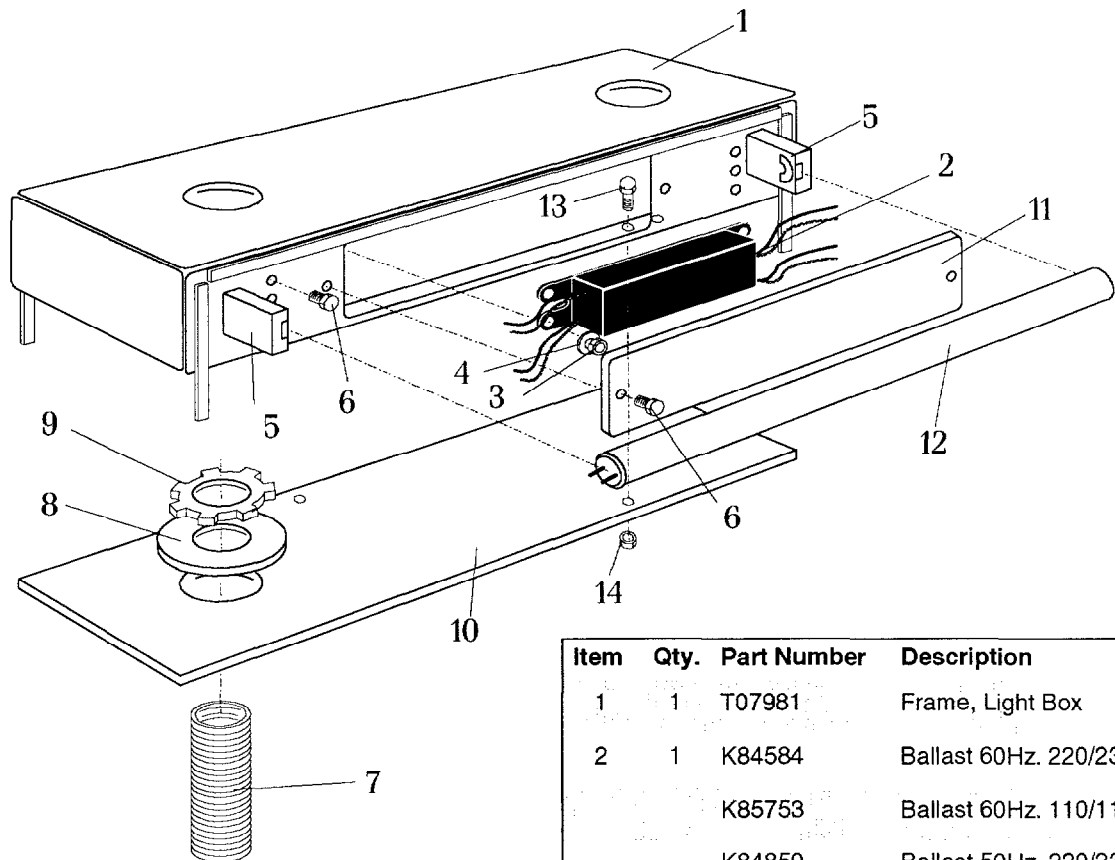
Item	Qty.	Part Number	Description
1	2	T07623-XX*	Lower Panel Assy. 21" x 2" (Includes 2-13)
		T07630-XX*	Lower Panel Assy. 27" x 4" (Includes 2-13)
		T16685-XX*	Lower Panel Assy. 21" x 4" (Includes 2-13)
2	2**	K85161-01	Panel Trim (Sstl.)
		K85161-02	Panel Trim (Blk.)
	6**	K82561-21	Tee Bolt 8-32 x 1/2"
	6**	Q10099-01	Locknut 8-32
3	1**	N18574-02	Decorative Strip, Sstl. 21"
		N18574-03	Decorative Strip, Blk. 21"
		N18588	Decorative Strip, Sstl. 27"
		N18588-01	Decorative Strip, Blk. 27"
4	**	K81837-32	Truss Head Screw, Sstl.
		K81837-40	Truss Head Screw, Blk.
		K68998-28	Speed Nut
5	2**	N18608-03	Trim Cap, 4" RH Chrome
		N18608-04	Trim Cap, 4" LH Chrome
		N18608-17	Trim Cap, 4" RH Black
		N18608-18	Trim Cap, 4" LH Black
		N18604-03	Trim Cap, 2" RH Chrome
		N18604-04	Trim Cap, 2" LH Chrome
		N18608-09	Trim Cap, 2" RH Black
		N18608-10	Trim Cap, 2" RH Black
6	4**	K50599-30	Screw 10-32 x 3/8" Black
		K50599-24	Screw 10-32 x 3/8" Chrome
7	**	K85356	Bumper
8	1**	K34673	Panel Lock with Key Assy.
		K83512-25	Key Only

* Order entry item. Specify color, graphics and options when ordering.

** Quantity per ass'y. or quantity varies with model.

Plate 4

Top Light Assembly - All Lighted Models

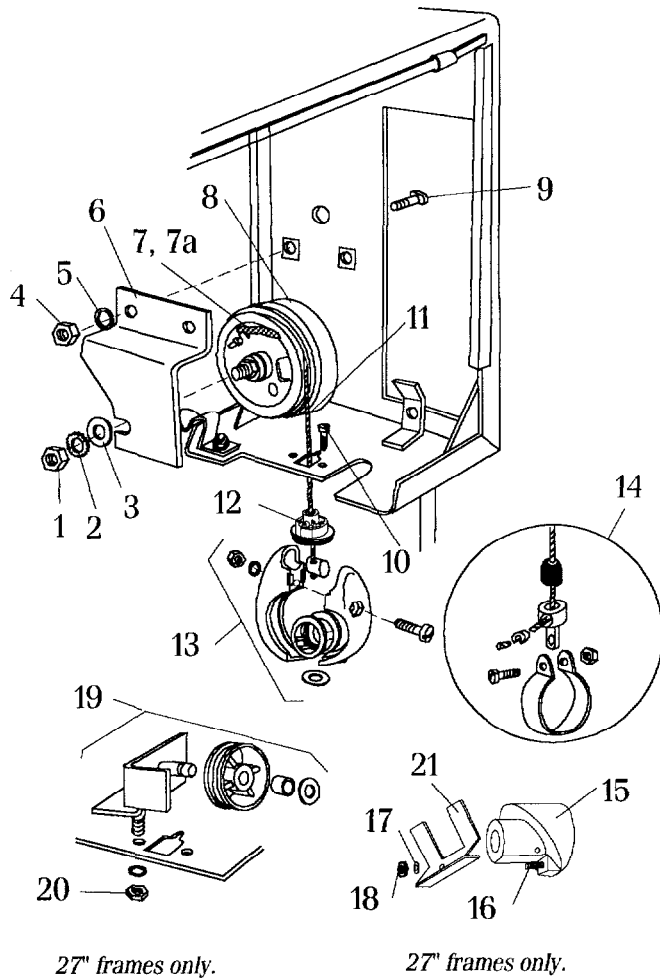


Item	Qty.	Part Number	Description
1	1	T07981	Frame, Light Box
2	1	K84584	Ballast 60Hz. 220/230/240V
		K85753	Ballast 60Hz. 110/115/120V
		K84850	Ballast 50Hz. 220/230/240V
		K85260	Ballast 50Hz. 110/115/120V
3	2	K01941	Nut 1/4-20
4	2	K14056	Washer
5	4	K87111	Lamp Socket
6	6	K85736-04	Screw 6-32 x 1/2"
7	1	K86708	Nipple and Wire Assy.
8	1	N16599-42	Washer, Conduit
9	1	K76434	Locknut
10	1	R12612	Cover Plate, Upper Frame
11	1	N18636	Access Cover, Light Box
12	2	K85207	Fluorescent Lamp
13	2	K45523	Bolt 5/16-18 x 7/8"
14	2	Q11890-05	Nut 5/16-18

Frame Assemblies

Plate 5

Hose Pulley Assembly - All Models



Item	Qty.	Part Number	Description
1	1	K01945	Nut 1/2-13
2	1	K47433	Lockwasher 1/2"
3	1	K02208	Washer 1/2"
4	1	K01942	Nut 5/16"
5	1	K50774	Lockwasher 5/16"
6	1	R12423	Cable Reel Hanger
7	1	K34947	Cable Sleeve
8	1	N16839-21	Hose Cable Retriever
9	2	K83759-21	Tee Bolt 5/16-18 x 1-1/4"
10	2	K85149-03	Screw 10-24 x 5/8"
11	1	K87218-02	Cable
12	1	R18450	Cable Grommet Assy.
13	1	K34468	Hose Clamp Kit 5/8" Hose
		K34211	Hose Clamp Kit 3/4" Hose
14	1	K35441	Hose Clamp Kit 1" Hose
15	1	R18453*	Cable Grommet Assy.
16	1	K06083-30*	Screw 6-32 x 1/4"
17	1	K50773*	Lockwasher 1/4"
18	1	K01941*	Nut 1/4-20
19	1	K88861*	Pulley and Bracket
20	1	Q11890-05*	Nut 5/16"
21	1	N18473*	Grommet Clip

* Used on 27" frames only.

Computer and Non-Computer Assemblies

Plate 6

Non-Computer - Commercial Units

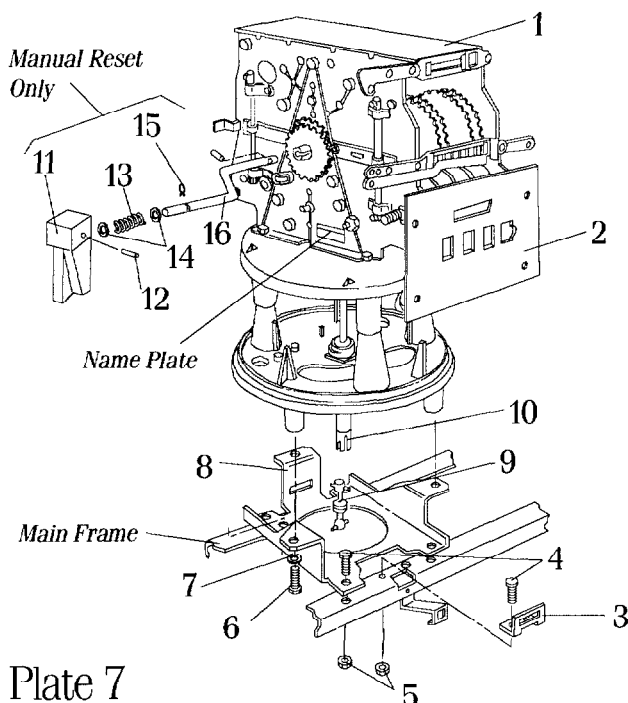
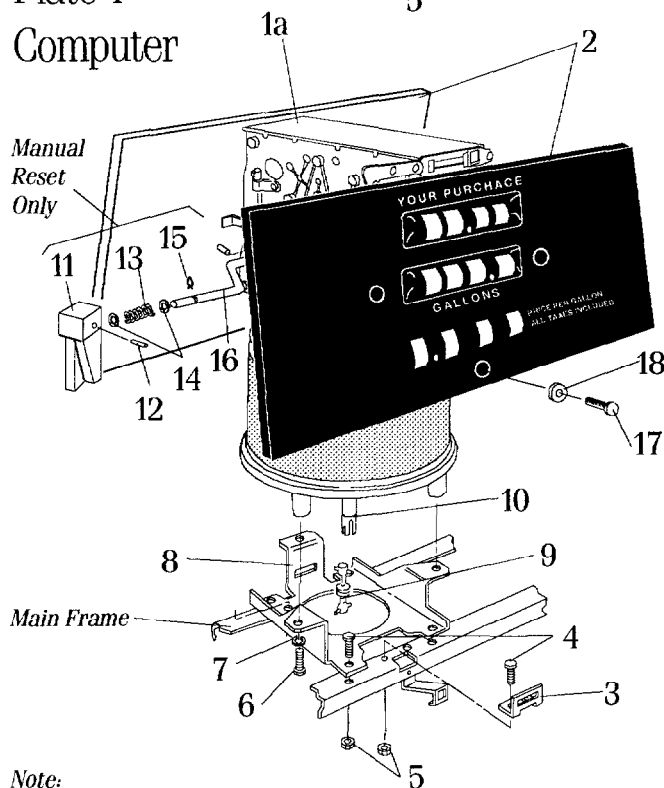


Plate 7

Computer



Note:

Gilbarco part number for complete Non-Computer or Computer is stamped on name plate. Non-Computers and Computers are manufactured by Veeder-Root Inc. Gilbarco does not supply internal Non-Computer or Computer spare parts. Contact Veeder-Root for these parts. (203) 651-2700.

Item	Qty.	Part Number	Description
1	*	See Name Plate	Non-Computer
1a	*	See Name Plate	Computer
2	*	**	Dial Face
3	2	N18526	Bracket (Panel Lock)
4	*	K45523	Bolt 5/16-18 x 7/8"
5	*	Q11890-05	Nut 5/16-18
6	*	K79912-20	Bolt 3/8-24 x 5/8"
7	*	K50775	Washer 3/8"
8	*	T07883	Computer Support
9	*	K73820	Computer Drive Link
1		N23300-G1	Computer Drive Link (Ultra-Hi 625)
10	*	K85959-02	Coupling Assy.
11	*	N20110-11	Reset Knob
12	*	K06083-26	Set Screw 1/4-20 x 1/4"
13	*	K80613	Spring
14	*	K66872-01	Washer
15	*	K77558-22	Hairpin Cotter
16	*	N18778-03	Reset Rod, Single Units
		N18778-09	Reset Rod, Ticket Printer
	*	K85132-01	Reset Rod, Dual Units
17	*	Q12080-91	Screw, Blk. 8-36 x 1/2"
		Q12080-111	Screw, Chrome 8-36 x 1/2"
18	*	K85229	Washer, Black Fiber
		K57944	Washer, White Fiber

* Quantity varies with model.

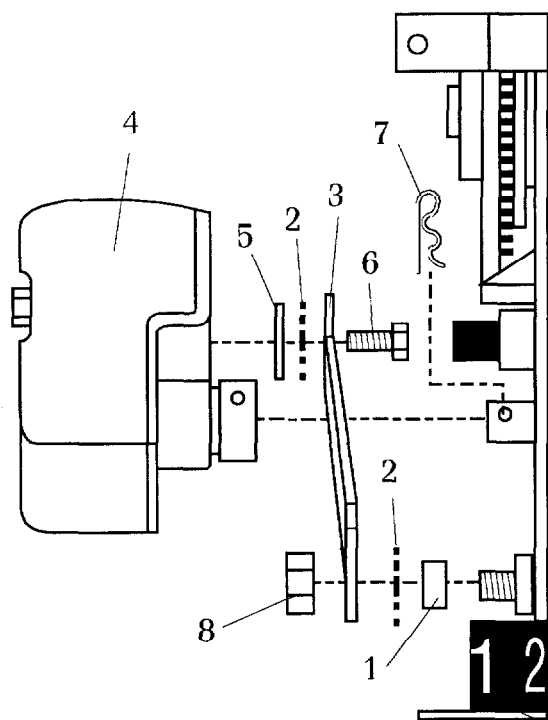
** Order Entry Item. Specify graphics/color when ordering.

Single Computer and Non-Computer shown. Dual assemblies use same part numbers.

Computer and Non-Computer Assemblies

Plate 8

Gilbarco Pulser Details



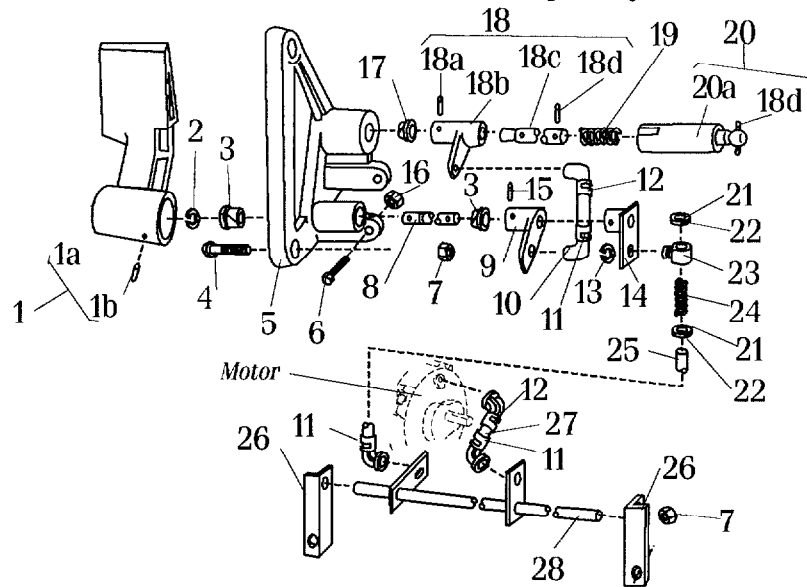
Item	Qty.	Part Number	Description
1	1	Q10213-02	Spacer
2	2	K22804	Lockwasher #6
3	1	K89664	Bracket
4	1	T18350-G2	Pulser Assy. 100/1
		R18759-85	Veeder Root Pulser Assy. (Not shown, mounted other side)
	1	T16555	Protective Cover
5	1	K65235-22	Flatwasher #10
6	1	K85736-01	Screw 6-32 x 3/8"
7	1	K77558-28	Hairpin Cotter
8	1	Q11890-05	Nut 5/16-18

Computer Assy.

*Money pulser shown, volume pulser mounted same.
Quantity shown per ass'y.*

Plate 9

Pump Motor Switch Reset - Commercial 625 Pumps Only

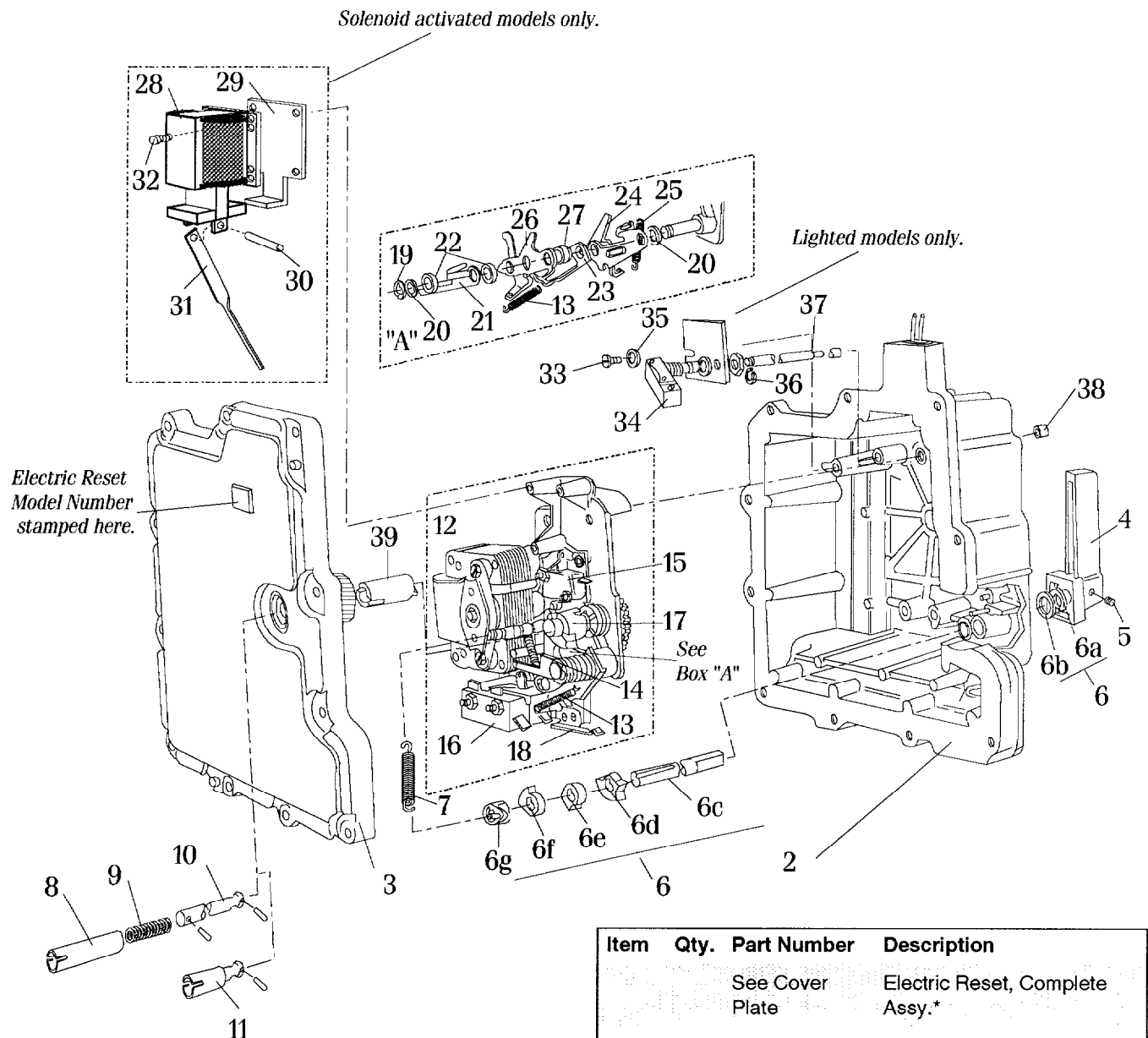


Item	Qty.	Part Number	Description
1	1	K33919	Operating Handle Kit (Includes 1a, 1b)
1a	1	N18857	Operating Handle
1b	1	Q10038-03	Spirol Pin 3/16" x 1-1/4"
2	1	K76238-44	Retaining Ring 7/16"
3	2	K80567-20	Nyliner Bearing 1/2 x 7/16"
4	3	K83759-21	Tee Bolt 5/16"-18 x 1-1/4"
5	1	R12592-10	Operating Bracket
6	1	K03420	Stop Screw 1/4-20 x 1-1/4"
7	3	Q11890-05	Nut 5/16-18
8	1	K85747-01	Operating Shaft (Drilled)
9	1	K85034-01	Operating Lever (Drilled)
10	1	K85147	Connecting Link
11	3	K77192-22	Clevis Clip (R.H.)
12	2	K77192-21	Clevis Clip (L.H.)
13	1	K82468-32	Retaining Ring 1/2"
14	1	K84595-02	Lever and Hub Assy.
15	2	K42757-28	Groove Pin 5/32" x 3/4"
16	1	K01932	Nut 1/4-20

Item	Qty.	Part Number	Description
17	1	K80567-25	Nylon Bearing 7/16 x 3/8"
18	1	K85321-06	Operating Lever Assy. (Includes 18a-d)
18a	-	K76071	Groove Pin 1/8" x 3/4"
18b	-	N22249-01	Operating Lever (Drilled)
18c	-	K85348-11	Rod (Drilled)
18d	-	K46992	Groove Pin 1/8" x 3/4"
19	1	K51197	Spring
20	1	K85959-02	Coupling Assy. (Includes 20a, 18d)
20a	1	K85959-01	Coupling
21	2	K81512-24	Collar
22	2	K06083-33	Set Screw 10-32 x 3/16"
23	1	K80589-20	Stud
24	1	K80539	Spring
25	1	R14458	Switch Rod
26	2	N18658	Countershaft Bracket
27	1	K85765	Motor Switch Rod
28	1	N20558-01	Countershaft Assy.

Reset Assemblies

Plate 10 Electric Reset



Item	Qty.	Part Number	Description
		See Cover Plate	Electric Reset, Complete Assy.*
1	1	R13924-01	Switch Box Assy., Unlighted (Includes 2-3)
		R13924-02	Switch Box Assy. Lighted, (Includes 2-3)
2	1	W01394-19	Box Only, Unlighted
		W01394-20	Box Only, Lighted
3	1	W01393-14	Cover and Bearings
4	1	R14071-02	Operating Handle
5	1	K64387-25	Set Screw 5/16-18 x 5/16

Electric Reset

Item	Qty.	Part Number	Description
6	1	N20459-01	Operating Shaft Assy. (Includes 6a-6j)
6a	1	K76238-44	Retaining Ring
6b	1	K83513-03	Washer
6c	1	N20458-01	Shaft
6d	1	N18995	Cam Stop and Spring
6e	1	N18997	Reset Cam
6f	1	N18998	Trip Cam
6g	1	K86614	Spring Anchor
7	1	K86675	Spring
8	1	K86687	Coupling (Single Units)
9	1	K51197	Spring (Single Units)
10	1	N19009-03	Link and Pins (Single Units)
11	1	K86591-03	Link and Pins (Dual Units)
12	1	Gear Box Assemblies	
		T10411-XX*	Standard (Includes 13-27)
		T11093-XX*	Solenoid Operated (Single Reset Switch, includes 13-32)
		T13006-XX*	Solenoid Operated (Dual Reset Switch, includes 13-32))
13	2	K86673	Spring
14	1	K86674	Spring
15	1	N23114-01	Reset Switch Assy. (Single Switch)
		N23114-02	Reset Switch Assy. (Dual Switch)
16	1	N18965-01	Power Switch (Two Switch)
		N18965-02	Power Switch (Three Switch, Open)
		N18965-03	Power Switch (Three Switch, Closed)
		N20107	Power Switch (Four Switch)

Item	Qty.	Part Number	Description
17	1	N19000	Cam
18	1	N19011	Actuator Spring
19	1	K82468-26	Retaining Ring 5/16"
20	2	K86607-02	Nylon Washer
21	1	N19004	Lever
22	2	K86659-02	Hub
23	1	K86695	Actuator
24	1	N19026	Reset and Trip Lever
25	1	K86672	Spring
26	1	N19032	Power Switch Lever Assy.
27	1	K86659-01	Hub
28	1	N20539-01	Solenoid, 220V 50cy. (T11093, T13006 Only)
		K88826	Solenoid, 115V 60cy. (T11093, T13006 Only)
29	1	K88770	Bracket (T11093-XX Only)
	1	K89983	Spacer (T13006-XX Only, Not Shown)
30	1	Q10022-09	Rivet
31	1	K88822	Strap (T11093-XX Only)
		K89981	Strap (T13006-XX Only)
32	3	Q11271-36	Screw 6-32 x 1/2"
33	1	K85736-15**	Screw 10-32 x 1/2"
34	1	K84354 **	Light Switch, Single Pole, Single Throw (6A 125V, 3A 250V)
35	1	K15096**	Washer
36	1	K82468-32**	Retaining Ring 1/2"
37	1	K85208-02**	Light Switch Rod
38	1	K85206-01**	Rod Cap
39	1	N19008	Adapter Shaft
40	-	K88300	Key (Not shown, for PA068 Electric Resets)

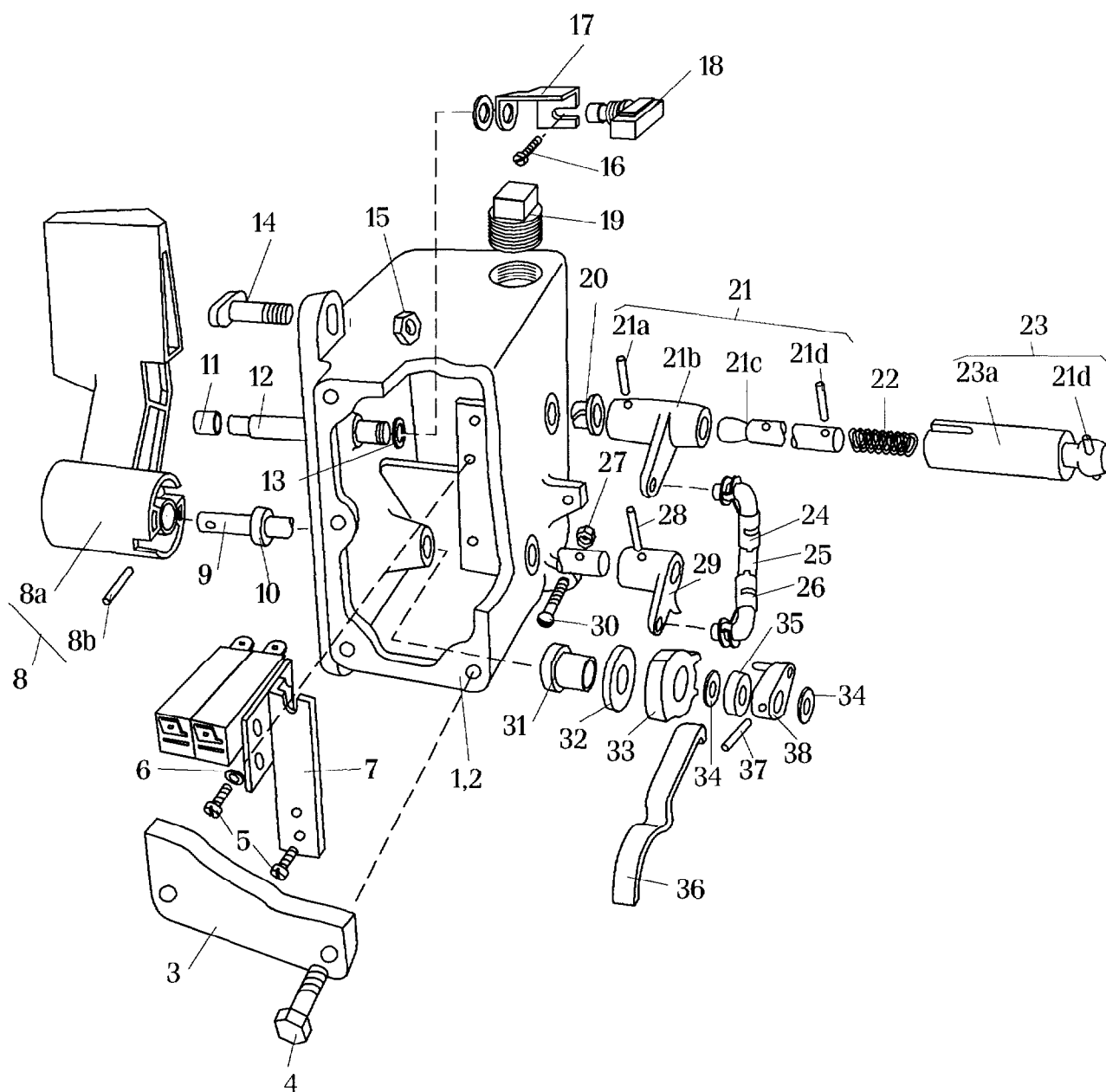
*Order entry item. When ordering give hydraulics model number and Electric Reset model number from cover plate or tag attached to Reset.

**Lighted models only.

Reset Assemblies

Plate 11

Manual Reset



Manual Reset

Item	Qty.	Part Number	Description
1	1	T08368	Switch Box Assy., Lighted (Includes 2, 8-10, 29-38)
		T08368-01	Switch Box Assy., Unlighted (Includes 2, 8-11, 29-38)
2	1	W01098-10	Switch Box Only (Lighted)
		W01098-11	Switch Box Only (Unlighted)
3	1	N18286-10	Switch Box Cover
4	6	N15598-44	Bolt 5/16-18 x 1"
5	2	K05563	Screw 10-32 x 3/4"
6	2	K03516	Lockwasher #10
7	1	N18720	Power Switch and Bracket
8	-	K33919	Operating Handle Kit (Includes 8a, 8b)
8a	1	N18857	Operating Handle
8b	1	Q10038-03	Spirol Pin 3/16" dia. x 1-1/4"
9	1	K85954-01	Shaft, Drilled
10	1	K85916	Washer
11	1	K85206-01*	Light Switch Rod Cap
12	1	K85208*	Light Switch Rod
13	1	K82468-36*	Retaining Ring 1/4"
14	3	K83759-21	Tee Bolt (5/16-18 x 1-1/4")
15	3	Q11890-05	Flange Nut 5/16-18
16	1	K81837-27*	Screw 10-32 x 1/2"
17	1	K85172*	Light Switch Bracket
18	1	K84354*	Light Switch
19	1	K02281	Pipe Plug 1/2" (Unlighted)
20	1	K80567-25	Nyliner Bearing 7/16" x 3/8"

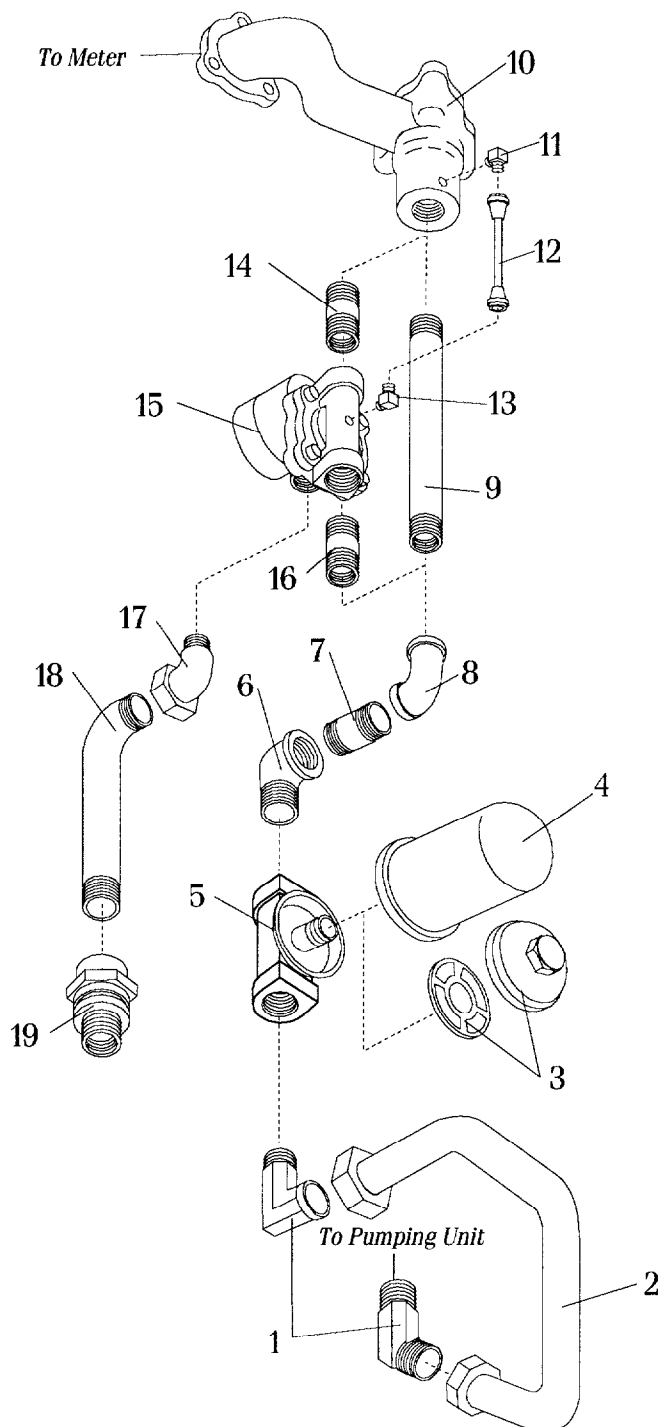
Item	Qty.	Part Number	Description
21	1	K85321-02	Operating Lever Assy., Singles (Includes 21a-21d)
	1	K85420-02	Operating Lever Assy., Duals (Includes 21a-21d)
21a	1	K76071	Groove Pin, Type #1 1/8" x 3/4"
21b	1	N22249-01	Lever (Singles)
		N22249-03	Lever (Duals)
21c	1	K85348-02	Countershaft Rod (Singles)
		K85421	Countershaft Rod (Duals)
21d	1	K46992	Groove Pin, Type #5 1/8" x 3/4"
22	1	K51197	Spring (Singles Only)
23	1	K85959-02	Coupling Assy. (Includes 23a, 21d)
23a	1	K85959-01	Coupling
24	1	K77192-21	Clevis Clip (LH)
25	1	K85147	Connecting Link
26	1	K77192-22	Clevis Clip (RH)
27	2	K01932	Nut 1/4-20
28	1	K42757-28	Groove Pin 5/32" x 3/4"
29	1	K85034-01	Lower Operating Lever
30	2	K03420	Adjusting Screw 1/4-20 x 1-1/4"
31	1	K85170	Spacer Bushing
32	1	K83513-02	Nylon Washer 7/8"
33	1	N18330	Cam
34	2	K83513-03	Nylon Washer 3/4"
35	1	K85169	Spacer
36	1	K85343	Cam Detent Spring
37	1	K02101	Taper Pin, #1 (3/4")
38	1	K85049-01	Operating Driver Lever

Piping Assemblies

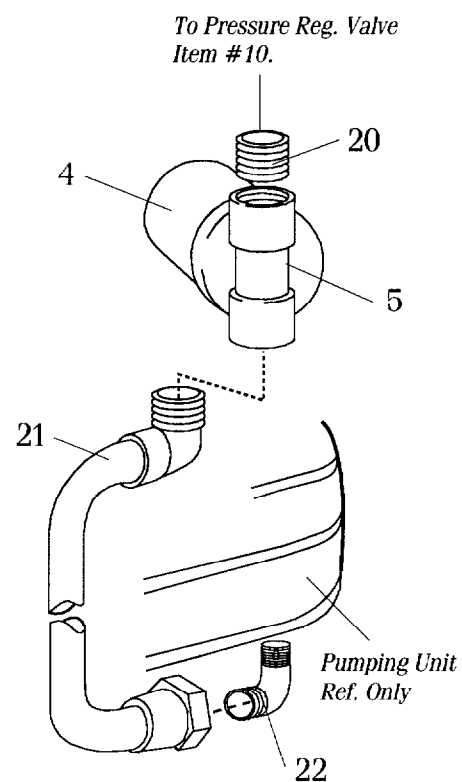
Plate 12

Single Pumps - Standard Gallonage

154-1, 154-R, 164-1, 164-R, 164-T, 625-1, 625-R



-OR-



Single Pumps - Standard Gallonage

154-1, 154-R, 164-1, 164-R, 164-T, 625-1, 625-R

Item	Qty.	Part Number	Description
1	2	K76203	Elbow 3/4" x 90 deg.
2	1	T08660	Feedline Assy.
3	1	K35364	Filter Cap/Strainer Kit 3/4"
	-	R18183	Strainer Only
	1	K35369**	Filter Cap/Strainer Kit (High Capacity)
	-	R18897**	Strainer Only
4	1	K82584	Filter, Standard 3/4"
		N22601	Filter, Water Alert 3/4"
		N22838	Filter, Gasahol 3/4"
		R18189-10**	Filter, 10 Micron (High Capacity)
		R18189-30**	Filter, 30 Micron (High Capacity)
		R18190**	Filter, Water Alert (High Capacity)
5	1	R11599-21	Filter Head
	1	R18312-01**	Filter Head, Intermediate Gallonage
6	1	K21703	Elbow 3/4" 90 deg.
7	1	R11496-27	Nipple 3/4" x 1-3/4"
8	1	K02311	Elbow 3/4" x 90 deg.
9	1	K02960	Nipple 3/4" x 6"
10	1	PA0058-05	Pressure Reg. Valve (See Plate 23)
11	1	Q10001-02*	Elbow 1/8" x 90 deg.
	1	K46444	Plug 1/8" (Not Shown)
12	1	N21055*	By-pass Tube
13	1	Q10978-03*	Elbow Orifice 1/8" x 90 deg.
14	1	R11496-54*	Nipple 3/4" x 1-1/2"
15	1	N21026-XX*	Solenoid Valve (See Plate 27)
16	1	R11496-34*	Nipple 3/4" x 1-5/8"

Item	Qty.	Part Number	Description
17	1	K42448*	Elbow 90 deg. (M/F)
18	1	R12579-75*	Conduit
19	1	Q10016-04*	Union (M/F)
20	1	R11496-34	Nipple 3/4" x 1-5/8"
21	1	T09028	Upper Feedline Assy. (Units less filter)
		T09031	Upper Feedline Assy. (Units with filter)
22	1	K76203	Elbow 90 deg. x 3/4"

Note:

164-T models are Intermediate Gallonage Pumps. These pumps use 3/4" standard gallonage piping with a 1" hose and 1" discharge nipple. (See Plate 22).

*Preset units only.

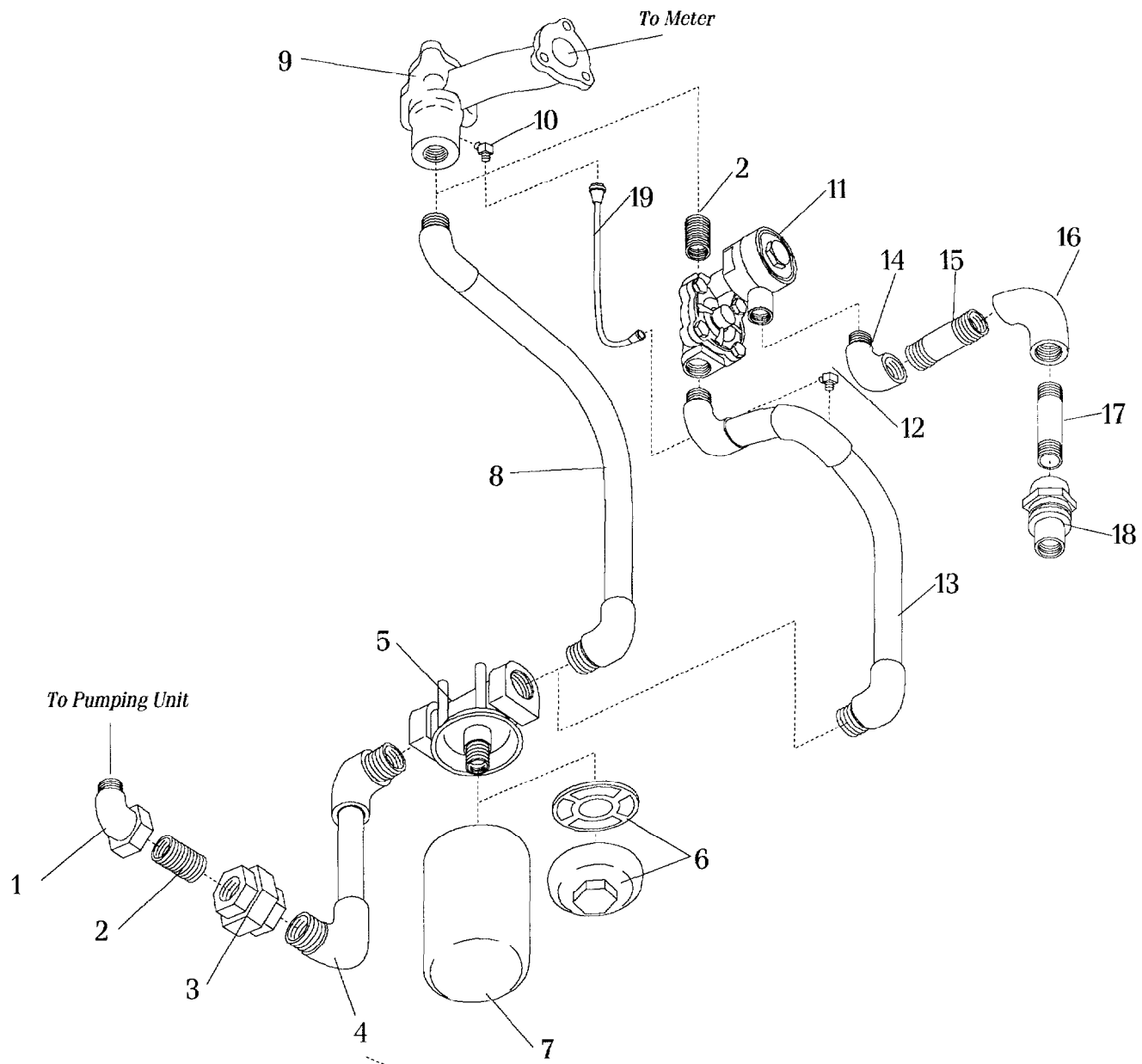
**Intermediate Gallonage units only 164-T..

Piping Assemblies

Plate 13

Single Pumps - High Gallonage

154-5, 154-S, 162-5, 164-5, 164-S, 625-5, 625-S



Single Pumps - High Gallonage

154-5, 154-S, 162-5, 164-5, 164-S, 625-5, 625-S

Item	Qty.	Part Number	Description
1	1	K02321-20	Elbow 90 deg. x 1"
2	2	R11495-20	Nipple 1" x 1-1/2"
3	1	K07797	Union 1"
4	1	R18452-G1	Lower Feedline Assy.
5	1	R18312	Filter Head
6	1	K35369	Filter Cap/Strainer Kit (High Capacity)
	-	R18897	Strainer Only
7	1	R18189-10	Filter, 10 micron (High Capacity)
7	1	R18189-30	Filter, 30 micron (High Capacity)
		R18190	Filter, Water Alert (High Capacity)
8	1	T16636-G1	Upper Feedline Assy.
9	1	PA0058-04	Pressure Reg. Valve (See Plate 23)
10	1	Q10978-02*	Elbow 90 deg. 1/8"
11	1	N21026-XX*	Solenoid Valve (See Plate 27)
12	1	Q10001-02*	Elbow 90 deg. 1/8"
13	1	T16637-G1*	Upper Feedline Assy.
14	1	K42448*	Elbow 90 deg. 1/2"
15	1	K19299*	Conduit Nipple 1/2" x 2"
16	1	K42428*	Elbow 90 deg. 1/2"
17	1	K50861*	Conduit Nipple 1/2" x 2-1/2"
18	1	Q10016-04*	Union 1/2"
19	1	N22836-G1	Bypass Tube

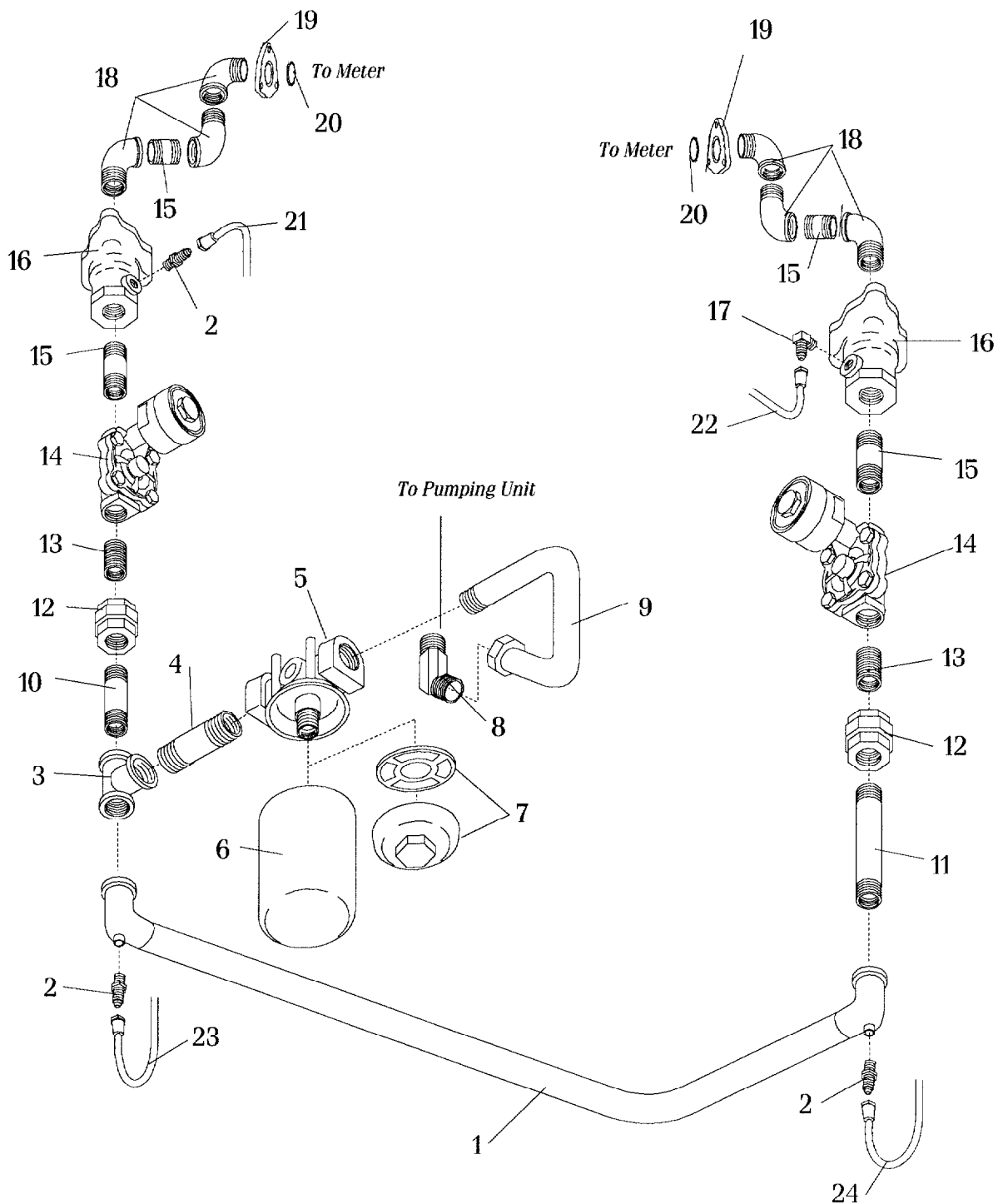
* Preset Models Only.

Piping Assemblies

Plate 14

Dual One-Product Pumps - Standard Gallonage

251-1, 251-R, 261-1, 261-R, 655-1, 655-R



Dual One-Product Pumps - Standard Gallonage

251-1, 251-R, 261-1, 261-R, 655-1, 655-R

Item	Qty.	Part Number	Description
1	1	T16461-G1	Feedline Tube Assy.
2	3	Q10008-02	Straight Fitting 1/8"
		K46444	Plug 1/8"
3	1	K02305	Tee 3/4" x 3/4" x 3/4"
4	1	R11496-39	Nipple 3/4" x 2-5/8"
5	1	R18312-01	Filter Head
6	1	R18189-10	Filter, 10 micron (High Capacity)
	-	R18189-30	Filter, 30 micron (High Capacity)
	-	R18190	Filter, Water Alert (High Capacity)
7	1	K35369	Filter Cap/Strainer Kit (High Capacity)
	-	R18897	Strainer Only
8	1	K76203	Elbow 3/4" x 90 deg.
9	1	R18439-G1	Feedline Tube Assy.
10	1	K81186	Nipple 3/4" x 2-1/2"
11	1	K18256	Nipple 3/4" x 5-7/8"
12	2	K74225	Union 3/4"
13	2	K21025	Nipple 3/4" x 1-3/8"
14	2	N21026-XX	Solenoid Valve (See Plate 27)
15	4	R11496-22	Nipple 3/4" x 2-1/8"
16	2	PA0059-05	Pressure Reg. Valve (See Plate 26)
17	1	Q10001-02	Elbow 90 deg.
18	6	K21073	Elbow 3/4", 90 deg.
19	2	K51145G01	Flange
20	2	Q10068-14	O-Ring (1-5/8" x 1-7/8" x 1/8")

Item	Qty.	Part Number	Description
21	1	N20840	Slowdown Tube (LH)
22	1	K90882	Slowdown Tube (RH)
23	1	R18437-G1	Slowdown Tube (LH)
24	1	R18438-G1	Slowdown Tube (RH)

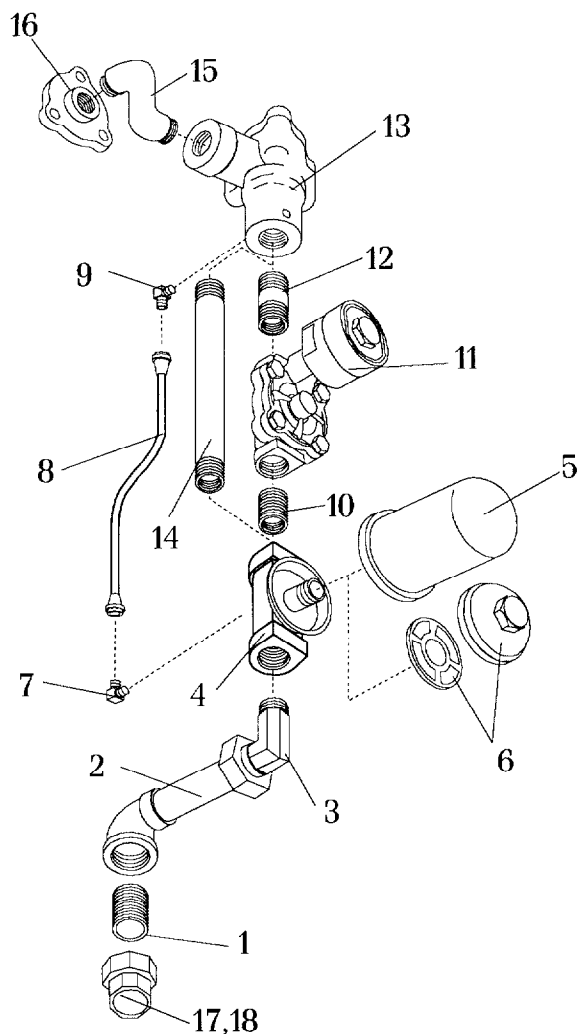
Piping Assemblies

Plate 15a

Dual Two-Product Pumps - Standard Gallonage

252-1, 252-R, 262-1, 262-R, 656-1, 656-R

Right Hand Piping Shown



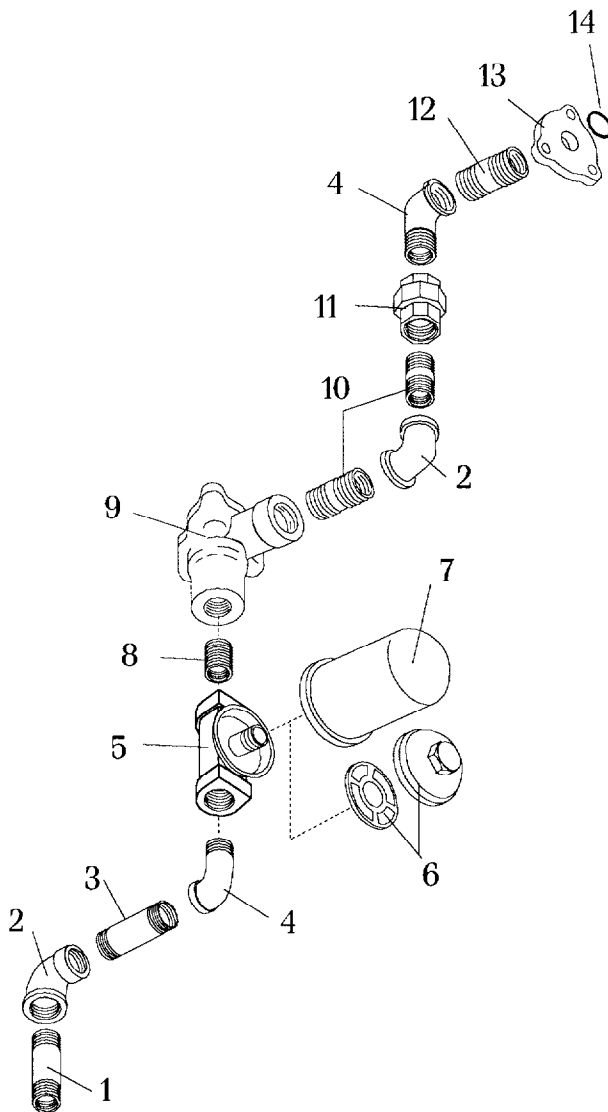
Item	Qty.	Part Number	Description
1	2	N15614-27	Nipple 3/4" x 2-1/4"
2	2	N22528-01	Lower Feedline
3	2	K76203	Elbow 3/4"
4	2	R11599-21	Filter Base
5	2	K82584	Filter, Standard 3/4"
		N22601	Filter, Water Alert 3/4"
		N22838	Filter, Gasahol 3/4"
6	2	K35364	Filter/Strainer Cap Kit 3/4"
	-	R18183	Strainer Only
7	2	Q10978-03	Elbow Fitting 1/8" x 90 deg.
		K46444	Plug 1/8" (Not Shown)
8	2	K90942	Bypass Tube
9	2	Q10001-02	Elbow 1/8" x 90 deg.
		K46444	Plug 1/8" (Not Shown)
10	2	K21025	Nipple 3/4" x 1-3/8"
11	2	N21026-XX	Solenoid Valve (See Plate 27)
12	2	R11496-22	Nipple 3/4" x 2-1/8"
13	2	PA0054-12	Pressure Reg. Valve (See Plate 25)
14	2	K15086	Nipple 3/4" x 6-1/4"
15	2	K89895	Inlet Fitting Assy.
16	2	K51145G01	Flange
17	2	K12179	Union 1-1/2"
18	2	K84625	Disc

Quantity shown for both sides.
Omit Items 7-12 on Fillup units.

Plate 15b

Dual Two-Product Pumps - Intermediate Gallonage

252-T, 262-T



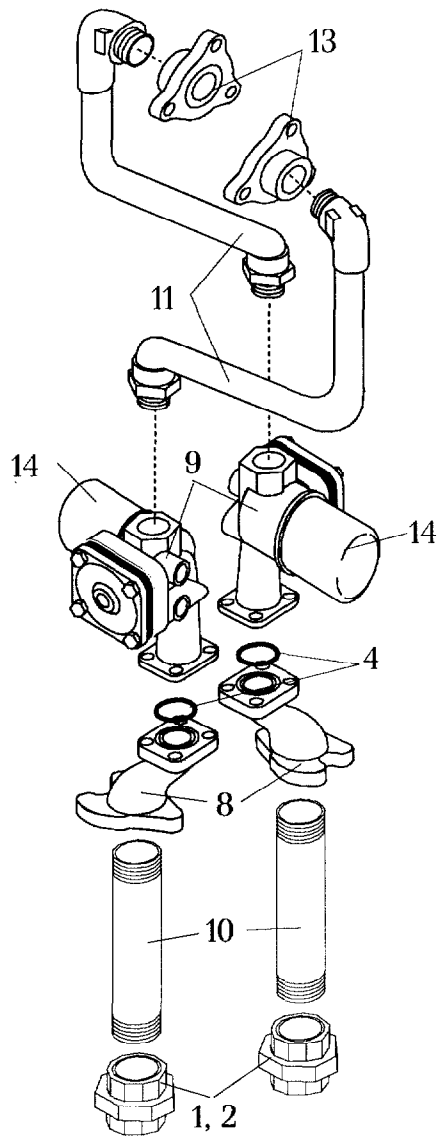
Item	Qty.	Part Number	Description
1	2	N15614-27	Nipple 3/4" x 2-1/4"
2	4	K02311	Elbow 3/4" x 90 deg.(F x F)
3	2	R11496-36	Nipple 3/4" x 3-1/8"
4	4	K21073	Elbow 3/4" x 90 deg.(M x F)
5	2	R18312-01	Filter Base
6	2	K35369	Filter/Strainer Cap Kit (High Capacity)
	-	R18897	Strainer Only
7	2	R18189-10	Filter, 10 micron (High Capacity)
		R18189-30	Filter, 30 micron (High Capacity)
		R18190	Filter, Water Alert (High Capacity)
8	4	R11496-54	Nipple 3/4" x 1-1/2"
9	2	PA0054-11	Pressure Reg. Valve (See Plate 25)
		K46444	Plug 1/8" (Not Shown)
10	2	R11496-29	Nipple 3/4" x 2-5/16"
11	2	K74225	Union 3/4"
12	2	R11496-23	Nipple 3/4" x 2"
13	2	K51145G01	Flange
14	2	Q10068-14	O-Ring

Quantity shown for both sides.

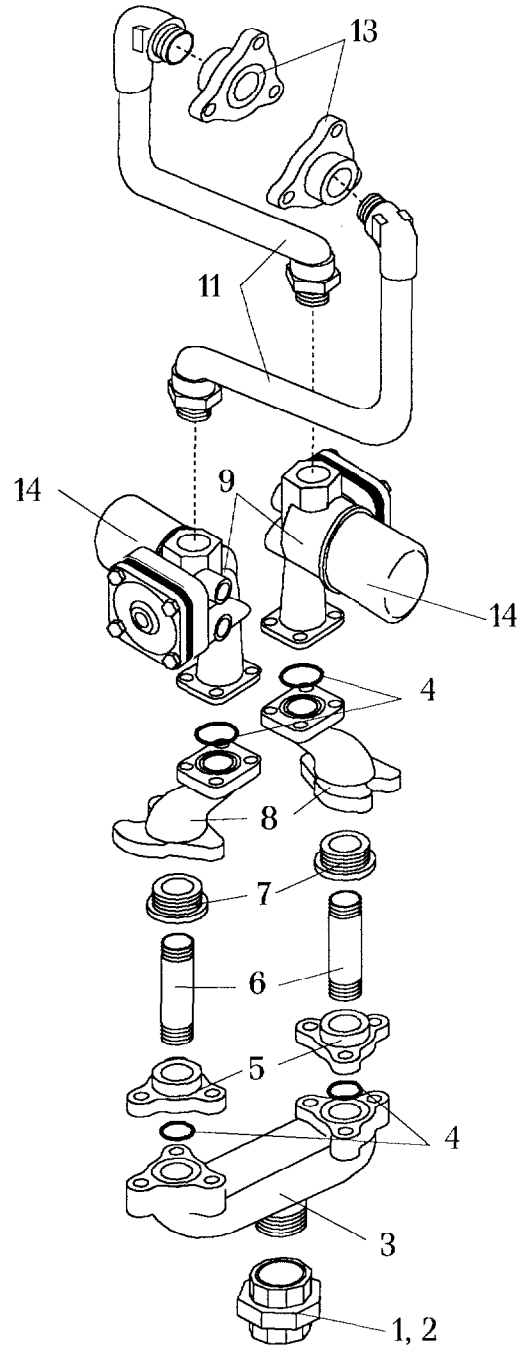
Piping Assemblies

Plate 16

Hydraulic Tree Assemblies - Standard Gallonage Dispensers

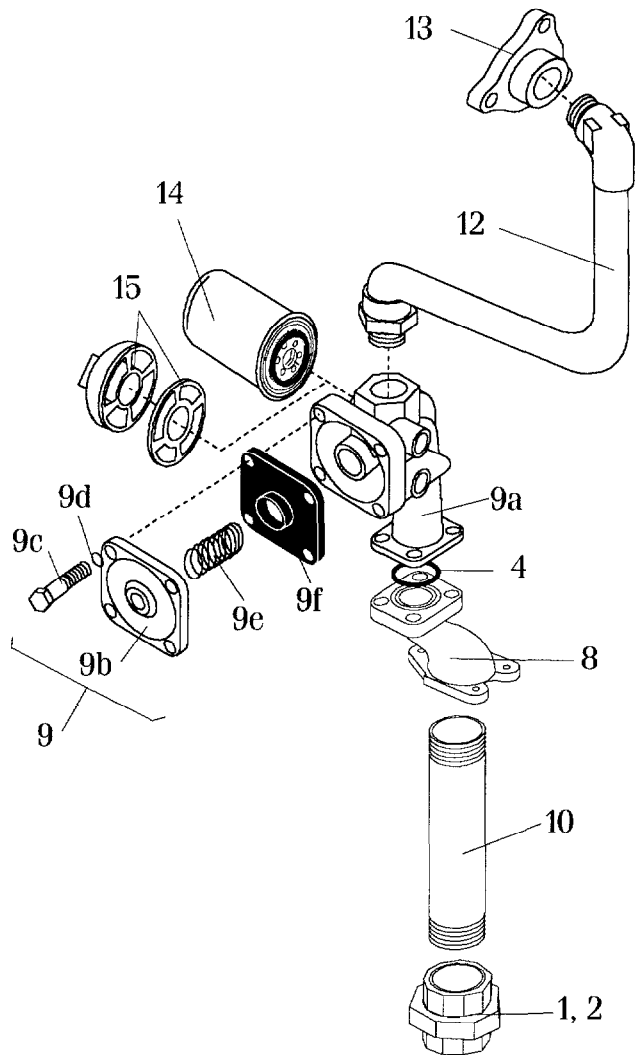


*Dual Two-Product Dispenser
252-0, 262-0*



*Dual One-Product Dispenser
251-0, 261-0*

Hydraulic Tree Assemblies - Standard Gallonage Dispensers



Single Dispenser
154-0, 164-0

Note:
Exploded view of solenoid valve is same for all
hydraulic trees.

Item	Qty.	Part Number	Description
1	*	K12179	Union 1-1/2"
2	*	K84625	Disc
3	*	T10959-10	Manifold
4	*	Q10068-10	O-Ring 1-5/6" x 1-9/16" x 1/8"
5	*	K51145-01	Flange
6	*	K02985	Nipple 1" x 4"
7	*	K07799	Reducing Bushing
8	*	T16308-10	Inlet Casting
9	*	PA00980007	Solenoid Valve (Complete Assy., includes 9a-9f)
9a	*	W01454-11	Filter Base
9b	*	R14025-10	Cap
9c	*	Q10865-02	Screw 1/4-20 x 3/4"
9d	*	K50773	Lockwasher 1/4"
9e	*	K88745	Diaphragm Spring
9f	*	K93006	Diaphragm
10	*	R11493-63	Nipple 1-1/2" x 8"
11	*	R14156-01	Feedline Assy.
12	*	R14063-03	Feedline Assy.
13	*	K51145G01	Flange
	*	Q10068-14	Flange O-Ring
14	*	K82584	Filter, Standard 3/4"
	*	N22601	Filter, Water Alert 3/4"
	*	K82584	Filter, Gasahol
15	*	K35364	Filter Cap/Strainer Kit 3/4"
	*	R18183	Strainer Only
16	*	K35271	Valve Rebuild Kit (Includes 9e and 9f, Not Shown)
17	*	R16854	Shear Valve 1-1/2" (Not Shown)

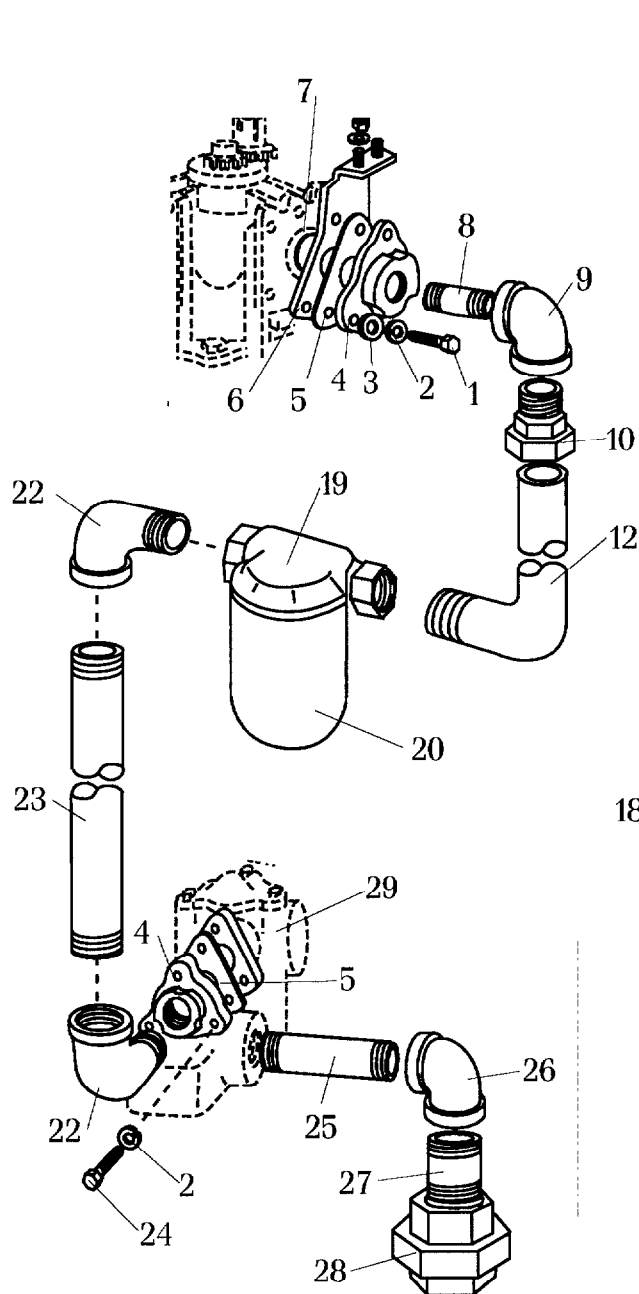
* Quantities vary with model.

Piping Assemblies

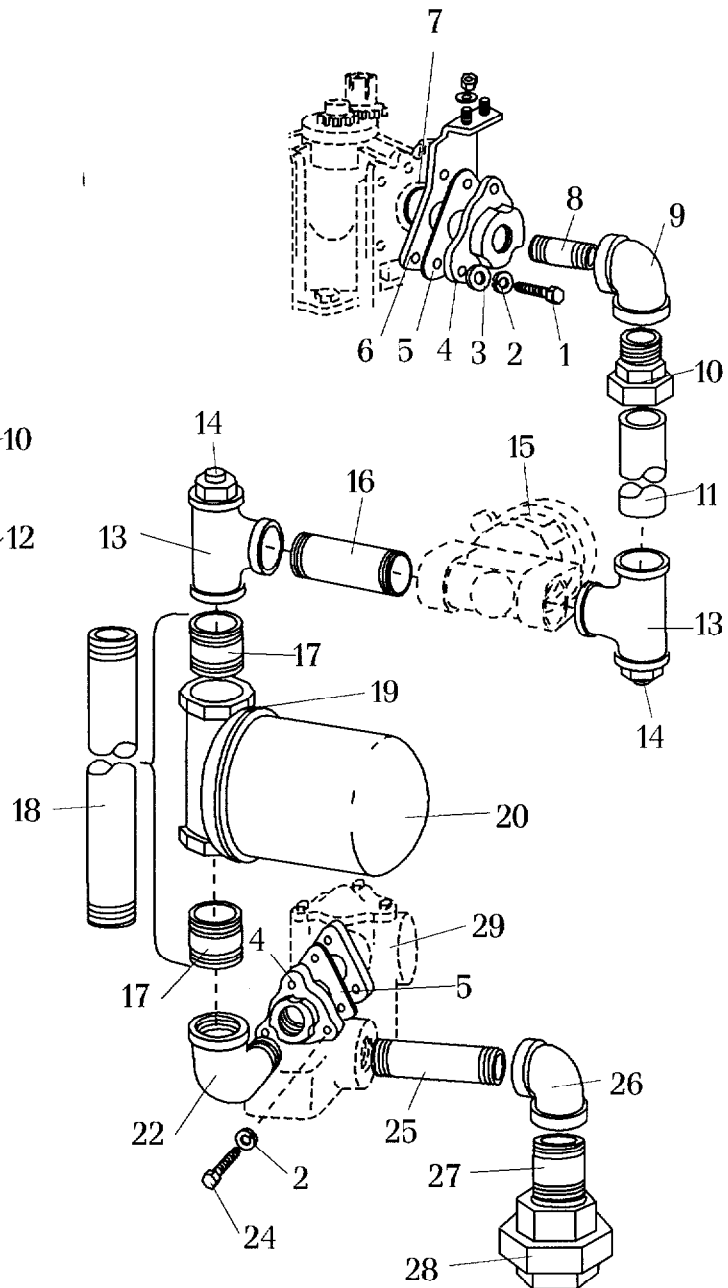
Plate 17

Single Dispensers - High Gallonage

154-3, 162-3, 164-3, 625-3



Non-Modular Hydraulics



Modular Hydraulics

Single Dispensers - High Gallonage

154-3, 162-3, 164-3, 625-3

Item	Qty.	Part Number	Description
1	3	K05295	Bolt 5/16-18 x 1-1/4"
2	6	K50774	Lockwasher
3	6	K42999	Washer
4	2	K51145J02	Flange 1"
5	2	K51045	Gasket
6	1	N18355-02	Meter Support Assy.
7	2	Q10068-14	O-Ring
8	1	R11495-46	Nipple 1" x 1-3/4"
9	1	K02312	Elbow 1" x 90 deg.
10	1	N16081-21	Dresser Adapter 1"
11	1	N18606-03	Feedline Pipe 1"
12	1	N16059-39	Dresser Nipple 1" x 8"
13	2	K12630	Tee 1"
14	2	K46444	Pipe Plug 1/8"
15	1	R16325-XX	Solenoid Valve (See Plate
16	1	R11495-68	Nipple 1" x 4-7/8"
17	1	R11495-20	Nipple 1" x 1-1/2"
18	1	R11495-61	Nipple 1" x 5-3/4" (Units w/o Filters)
19	1	R18312-01	Filter Head
20	1	R18189-10	Filter, 10 micron (High Capacity)
	1	R18189-30	Filter, 30 micron (High Capacity)
	1	R18190	Filter, Water Alert (High Capacity)
21	1	K35369	Filter Cap/Strainer Kit (High Capacity)
	1	R18897	Strainer Only
22	2	K02321-20	Elbow 1" x 90 deg.

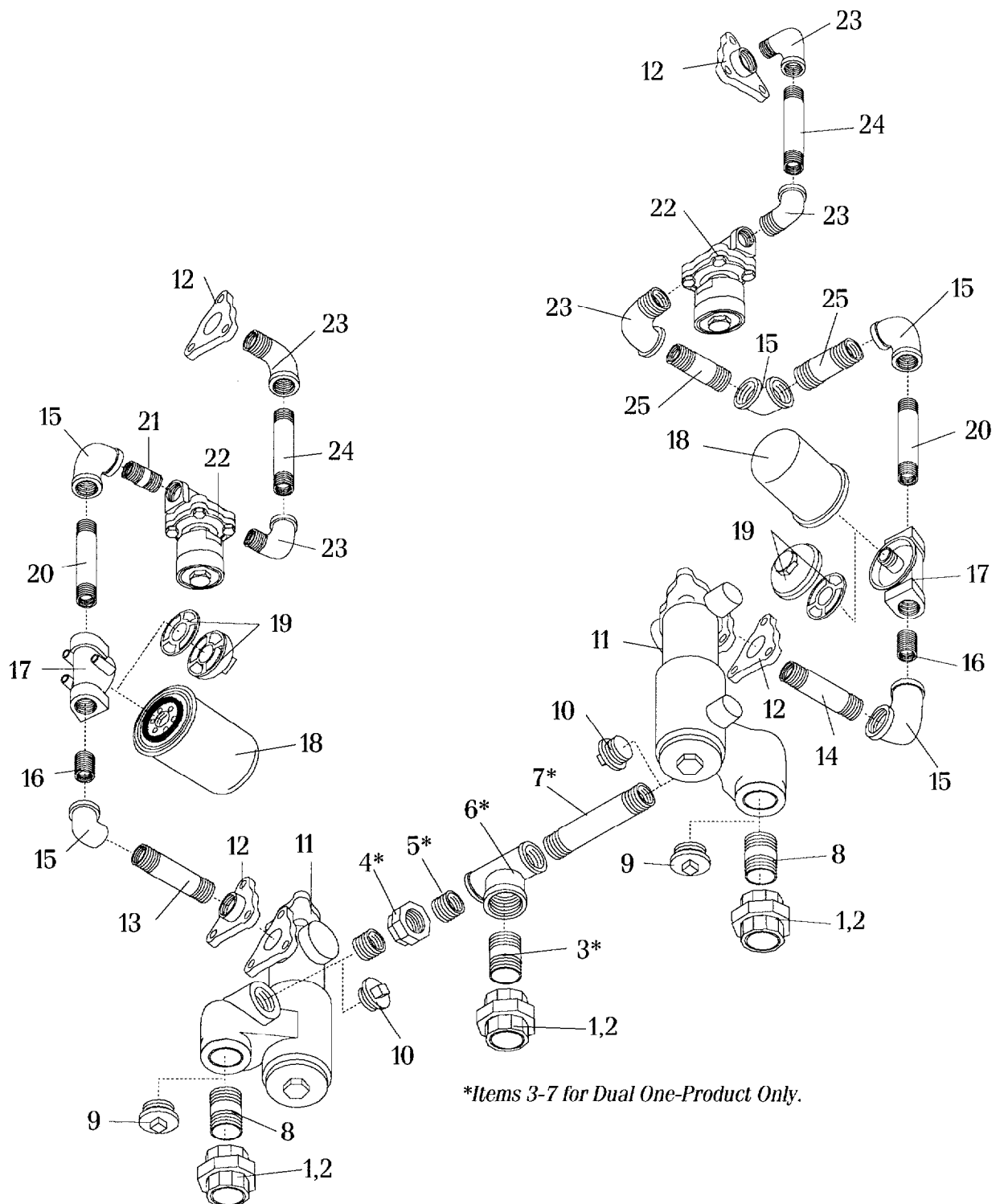
Item	Qty.	Part Number	Description
23	1	K04295	Nipple 1" x 6"
24	3	K07565	Bolt 5/16-18 x 1"
25	1	R11495-22	Nipple 1" x 4-1/2"
26	1	K02340-22	Elbow 1-1/2" x 1" x 90 deg.
27	1	R11493-48	Nipple 1-1/2" x 2-7/16"
28	1	K12179	Inlet Union 1"
29	1	PA0055-04	Pressure Regulating Valve (See Plate 24)
30	1	R16854	Shear Valve 1-1/2" (Not Shown)

Piping Assemblies

Plate 18

Dual One-Product Dispensers - High Gallonage 655-3

Dual Two-Product Dispensers - High Gallonage 656-3



Dual One-Product Dispensers - High Gallonage 655-3

Dual Two-Product Dispensers - High Gallonage 656-3

Item	Qty.	Part Number	Description
1	*	K12179	Union 1-1/2"
2	*	K84625	Disc
3	1	R11493-48**	Nipple 1-1/2" x 2-7/16"
4	1	N16081-21**	Dresser Adapter 1"
5	1	N16059-37**	Dresser Nipple 1" x 2-1/2"
6	1	K85184**	Tee 1" x 1" 1-1/2"
7	1	R11495-22**	Nipple 1" x 4-1/2"
8	2	R11493-52	Nipple 1-1/2" x 2-1/2"
9	2	K02285	Plug 1-1/2"
10	2	K02283	Plug 1"
11	2	PA0055-04	Pressure Reg. Valve (See Plate 23)
12	4	K51145-01	Feedline Fitting 1"
	4	Q10068-14	Fitting O-Ring
13	1	R11495-47	Nipple 1" x 4-5/8"
14	1	R11495-46	Nipple 1" x 1-3/4"
15	5	K02312	Elbow 1" x 90 deg. (F x F)
16	2	R11495-20	Nipple 1" x 1-1/2"
17	2	R18312-01	Filter Head, High Capacity
18	2	R18189-10	Filter 10 micron (High Capacity)
	2	R18189-30	Filter 30 micron (High Capacity)
	2	R18190	Filter, Water Alert (High Capacity)
19	2	K35369	Filter/Strainer Cap Kit (High Capacity)
	-	R18897	Strainer Only
20	2	R11495-32	Nipple 1" x 4-1/4" (With Filter)
		K14387	Nipple 1" x 9-1/4" (No Filter)

Item	Qty.	Part Number	Description
21	1	R11495-34	Nipple 1" x 2-1/4"
22	2	R16325-XX	Solenoid Valve 1" (See Plate 27)
23	5	K02321-20	Elbow 1" x 90deg. (M x F)
24	2	R11495-48	Nipple 1" x 6-1/8"
25	2	R11495-45	Nipple 1" x 2-3/4"
26	2	R16854	Shear Valve 1-1/2" (Not shown)

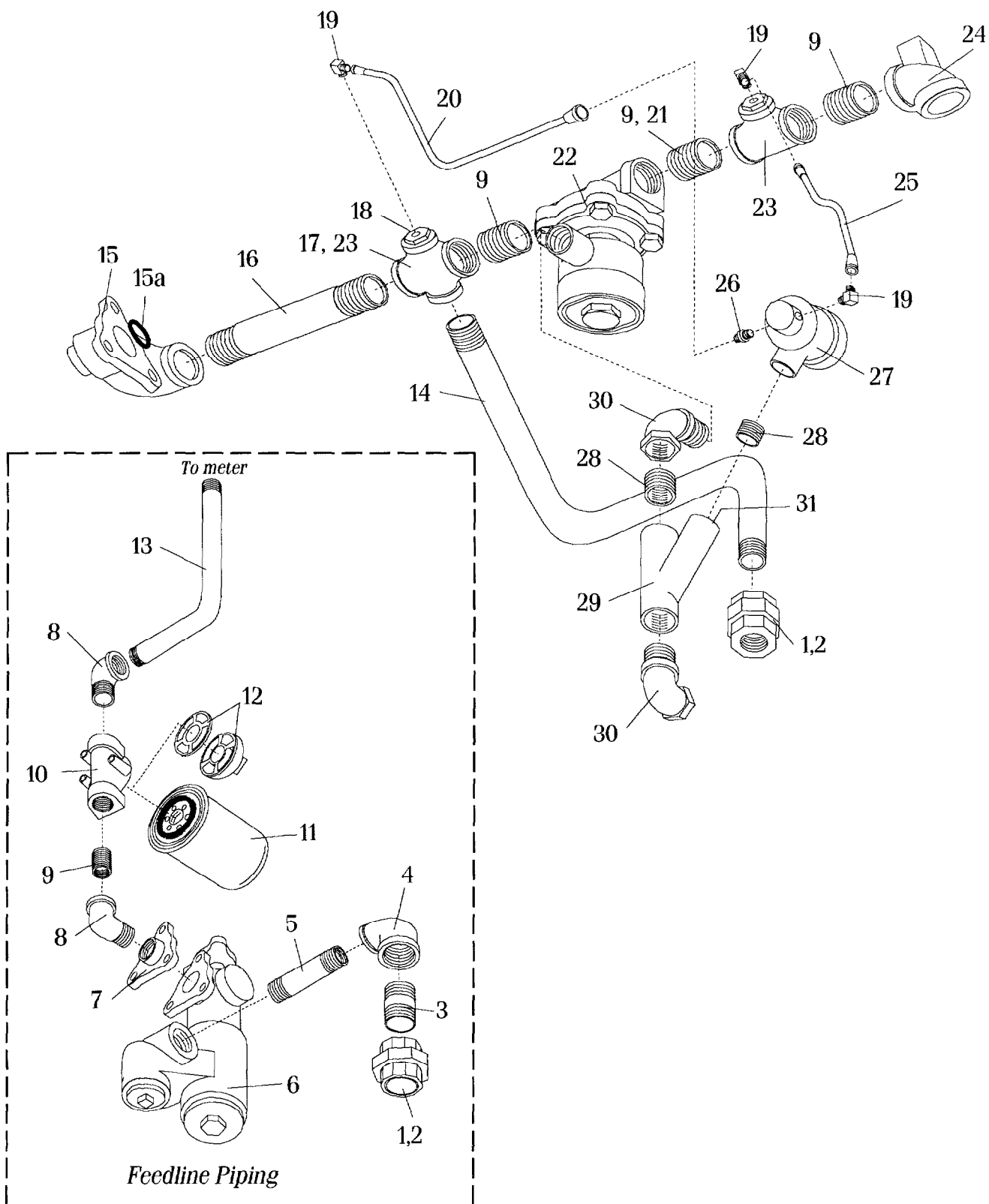
**Quantity varies with model.*

***Dual One-product only.*

Piping Assemblies

Plate 19

Single Master Dispensers - High Gallonage 164-8, 625-8



Single Master Dispensers - High Gallonage 164-8, 625-8

Item	Qty.	Part Number	Description
1	2	K84625	Disc 1-1/2"
2	2	K12179	Union 1-1/2"
3	1	R11493-48	Nipple 1-1/2" x 2-7/16"
4	1	K02340-22	Elbow, 90 deg.
5	1	R11495-22	Nipple 1" x 4-1/2"
6	1	PA0055-04	Pressure Reg. Valve (See Plate 24)
7	1	K51145-01	Flange
8	2	K02321-20	Elbow 1" x 90 deg.
9	**	R11495-20	Nipple 1" x 1-1/2"
10	1	R18312-01	Filter Head, High Capacity
11	1	R18189-10	Filter 10 micron (High Capacity)
	1	R18189-30	Filter 30 micron (High Capacity)
	1	R18190	Filter, Water Alert (High Capacity)
12	1	K35369	Filter Cap/Strainer Kit (High Capacity)
		R18897	Strainer Only
13	1	R18726	Feedline Pipe
14	1	T17047	Aux. Discharge Pipe
15	1	R12381-12	Discharge Casting
16	1	R11495-44	Nipple 1" x 7"
17	1	K06776-04*	Cross 1"
18	2	K02309-23*	Reducing Bushing 1" x 1/8"
19	3	Q10001-02*	Flared Elbow 3/16" x 90 deg
20	1	N22998-G1*	Slowdown Tube
21	2	R11495-68	Nipple 1" x 4-7/8"
22	1	R16325-XX*	Solenoid Valve 1" (See Plate 28)

Item	Qty.	Part Number	Description
23	1	K12630	Tee 1"
24	1	N18314-12	Discharge Fitting
25	1	K93444-G1*	Slowdown Tube
26	1	Q10008-02*	Flared Straight Fitting
27	1	N20822*	Solenoid Valve 1/8" (See Plate 30)
28	2	K18775*	Conduit Nipple 1/2" x 1-1/8"
29	1	Q10101-01*	"Y" Conduit
30	2	K42448*	Elbow, 90 deg. (M x F)
31	1	K49827*	Reducing Bushing 1" x 1/8"

*Preset units only.

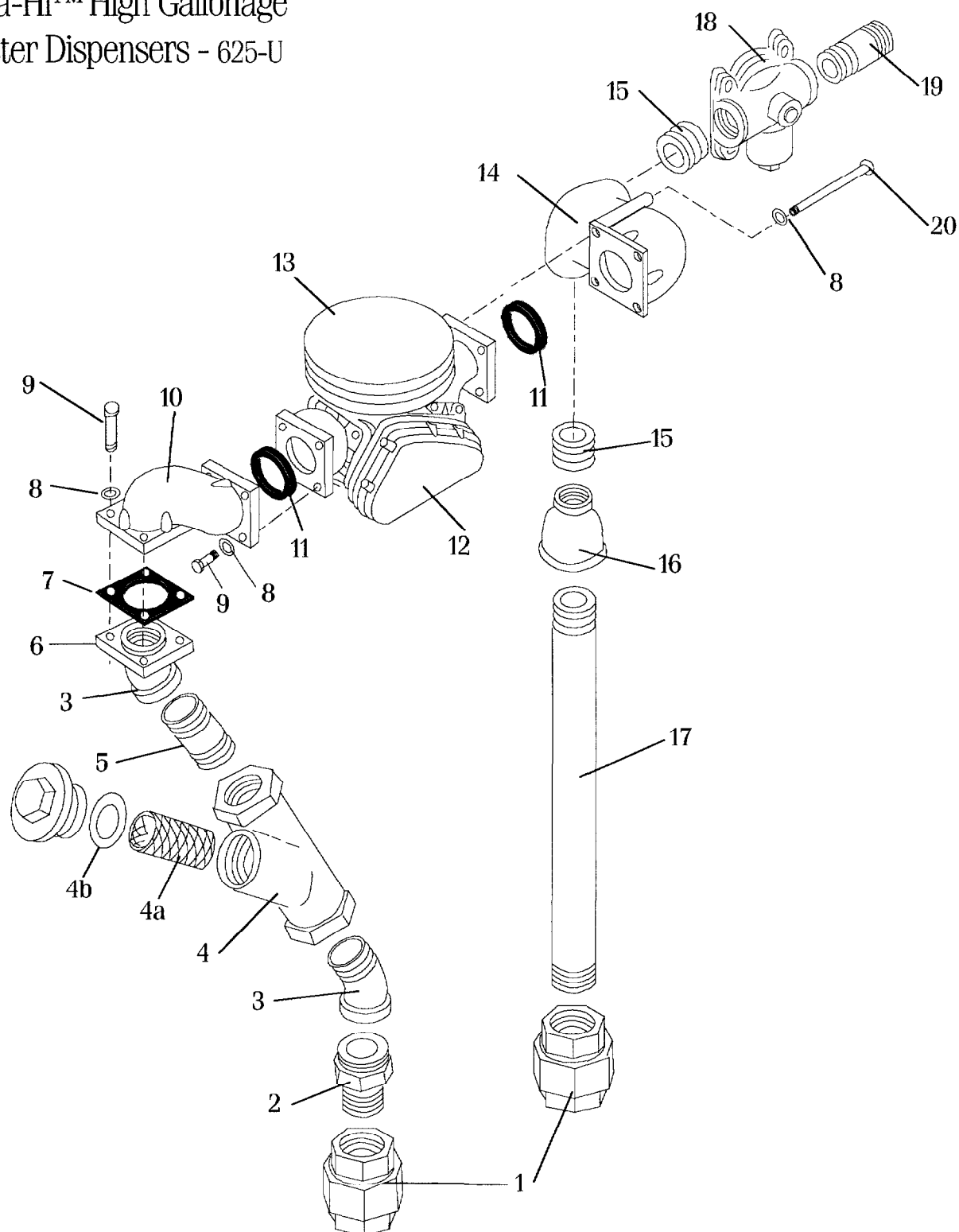
** Quantity varies with model.

Piping Assemblies

Plate 20

Ultra-Hi™ High Gallonage

Master Dispensers - 625-U



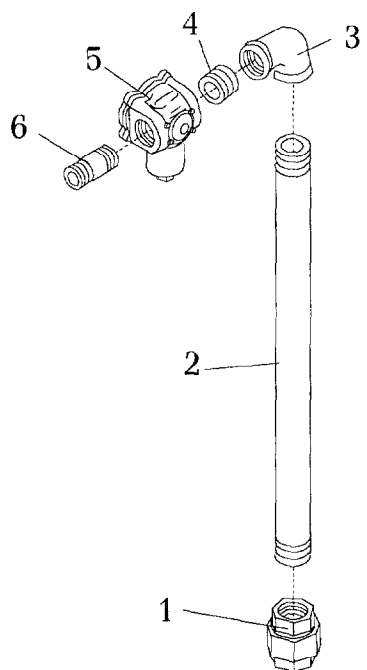
Ultra-Hi™ High Gallonage Master Dispensers - 625-U

Item	Qty.	Part Number	Description
1	2	K22468	Union 2"
		N23047	Shear Valve 2" (Not Shown)
2	1	N23274	Check Valve
3	1	K03608-26	Elbow 2" x 45deg.
4	1	K93793	"Y" Strainer Assy. (Includes 4a-b and cap)
4a	1	K93793-01	20 Mesh Strainer Screen
4b	1	K93793-02	Strainer Gasket
5	1	R11501-37	Nipple 2" x 4-1/2"
6	1	N23273-03	Flange 2"
7	1	K93794	Gasket
8	12	K50775	Lockwasher 3/8"
9	10	K01954	Bolt 3/8-18 x 1-1/2"
10	1	T18774-10	Inlet Casting
11	2	Q10068-20	O-Ring
12	1	-	Meter (See Plate 32)
13	1	T18768-01	Gear Box, Liters 2:69 Ratio
		T18768-02	Gear Box, U.S. Gallons 4:00 Ratio
14	1	T18773-10	Discharge Adapter
15	2	R11494-37	Nipple 1-1/4" x 1-1/2"
16	1	K03608-27	Reducer 2" to 1-1/2"
17	1	R11501-29	Nipple 2" x 15-1/8"
18	1	R19368	Solenoid Valve 1-1/4" (See Plate 29)
19	1	R11494-61	Nipple 1-1/4" x 4-5/8"
20	2	K01914-27	Bolt 3/8-16 x 3-3/4"

Piping Assemblies

Plate 21

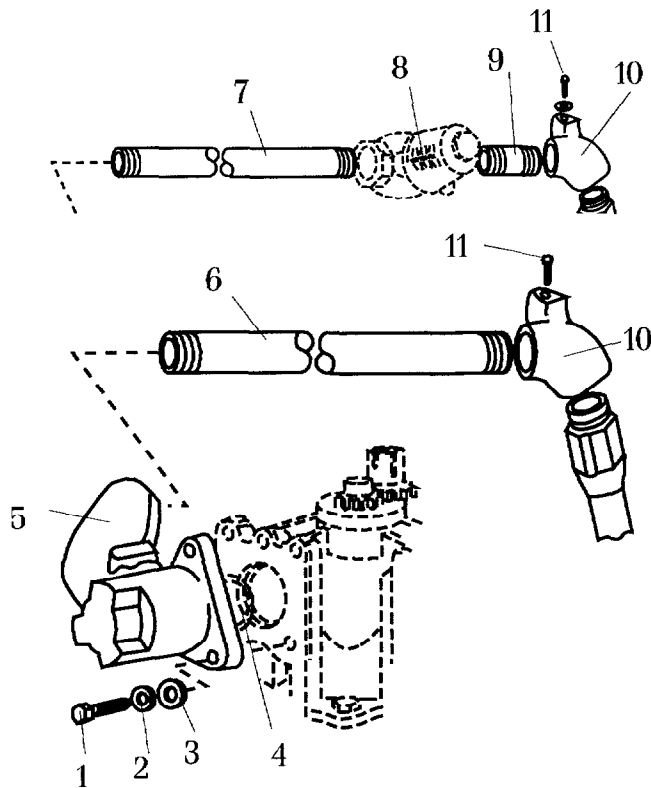
Ultra-Hi™ High Gallonage Satellite Dispensers - 627-W



Item	Qty.	Part Number	Description
1	2	K22468	Union 2"
		N23047	Shear Valve 2" (Not Shown)
2	1	R11501-39	Nipple 2" x 16-7/8"
3	1	K22473	Elbow 2" x 1-1/4"
4	1	R11494-24	Nipple 1-1/4" x 2-1/2"
5	1	R19368	Solenoid Valve 1-1/4" (See Plate 29)
6	1	R11494-56	Nipple 1-1/4" x 5-3/8"

Plate 22

Discharge Piping - All units except Ultra-Hi

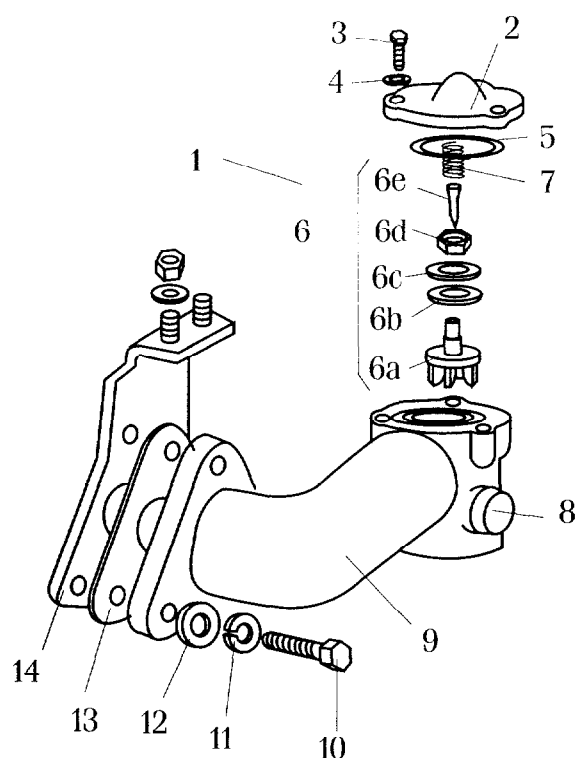


Item	Qty.	Part Number	Description
1	*	K19392	Bolt 5/16-18 x 1-1/8"
2	*	K50774	Lockwasher
3	*	K42999	Washer
4	*	Q10068-14	O-Ring
5	*	Discharge Fittings	
		R12381-22	High Gallonage (Used with 7-9)
		R12381-12	High Gallonage 1"
		R12381-11	Standard Gallonage 3/4"
6		Discharge Nipples	
	1	R11496-56	Single Pumps/Dispensers Std. Gal. 3/4" x 10-1/2"
	1	R11495-74	Single Pumps/Dispensers High Gal. 1" x 10-1/2"
	2	R11496-55	Dual Pumps Std. Gal. 3/4" x 8-5/8"
	2	K14008	Dual Dispensers Std. Gal. 3/4" x 5-1/2"
	2	R11495-49	Dual Pumps/Dispensers High Gal. 1" x 8-1/2"
7	1	R11495-77	Discharge Nipple 1" x 6-3/8" (used with solenoid valve)
8	1	R16325-01	Solenoid Valve 1" (See Plate 28)
9	1	R11495-46	Nipple 1" x 1-3/4"
10	*	N18314-11	Discharge Elbow Std. Gallonage 3/4"
		N18314-12	Discharge Elbow High Gallonage 1"
11	*	K51194	Bolt 5/16-18 x 5/8"

Valve Assemblies

Plate 23

PA0058-XX Pressure Reg. Valve - Single Pumps

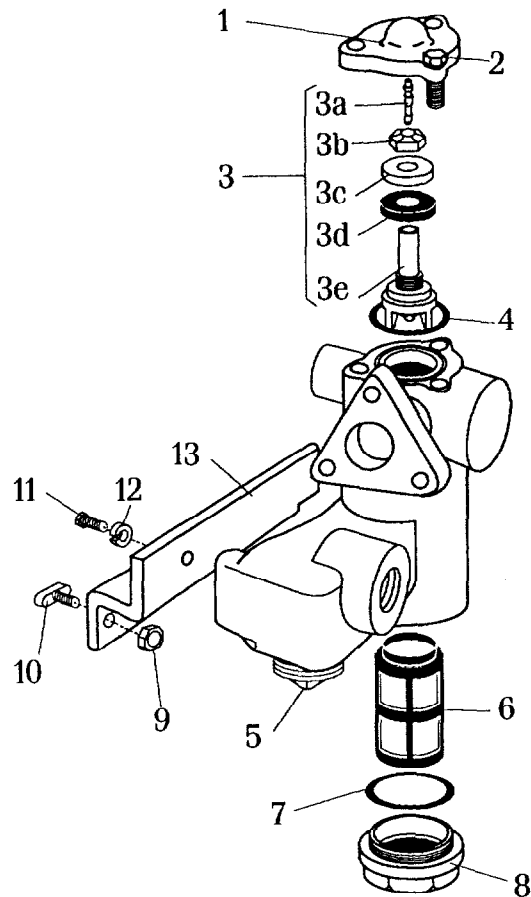


Item	Qty.	Part Number	Description
1	1	PA0058-04	Pressure Reg. Valve (Std. Gal. 3/4", includes Items 2-8)
		PA0058-05	Pressure Reg. Valve (High Gal. 1", includes Items 2-8)
2	1	N18769	Cover
3	3	Q10865-02	Screw 1/4-20 x 3/4"
4	3	K50773	Lockwasher
5	1	Q10068-15	O-Ring
6	1	N22955-G2	Check Valve Assy. (Includes 6a-6e)
6a	1	R18574	Valve Stem
6b	1	K81332	Valve Disc
6c	1	K82047	Valve Washer
6d	1	K80964-23	Valve Nut
6e	1	N23092	Relief Valve
7	1	K93518	Pressure Spring
8	1	K46444	Plug 1/8"
9	1	R12415-11	Valve Body (Std. Gal. 3/4")
		R12415-12	Valve Body (High Gal. 1")
10	3	K05295	Bolt 5/16-18 x 1-1/4"
11	3	K50774	Lockwasher
12	1	K42999	Washer
13	1	K51045	Gasket
14	1	N18355-01	Meter Support Assy.

Valve Assemblies

Plate 24

PA0055-04 Pressure Reg. Valve - High Gallonage Dispensers

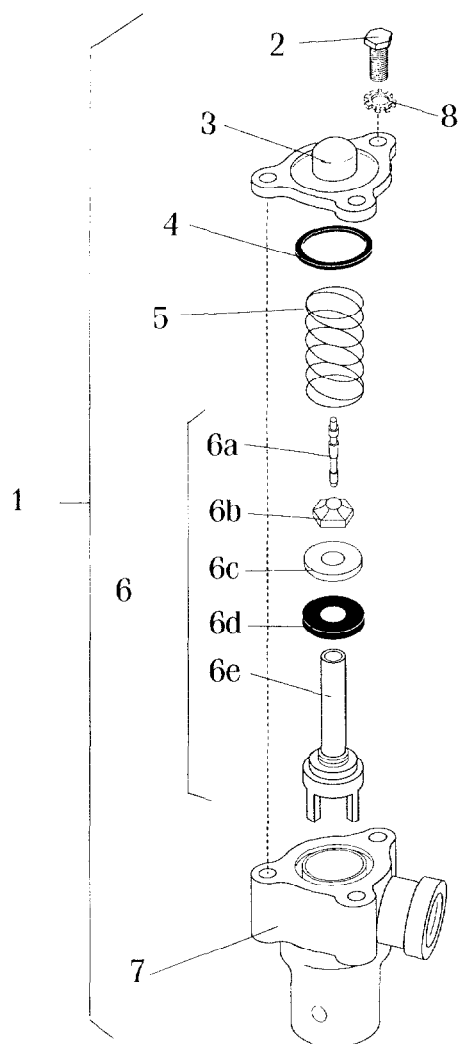


Item	Qty.	Part Number	Description
1	1	N18769	Cover
2	3	Q10865-02	Screw 1/4-20
3	1	N22955-G2	Check Valve Assy. (Includes 3a-3e)
3a	1	N23092	Relief Valve
3b	1	K80964-23	Valve Nut
3c	1	K82047	Valve Washer
3d	1	K81332	Valve Disc.
3e	1	R18574	Valve Stem
4	1	Q10068-15	O-Ring
5	1	K02285	Plug 1-1/2"
6	1	N18957	Filter Screen
7	1	Q10068-18	O-Ring
8	1	K45315E03	Filter Cap
9	2	K01942	Nut 5/16-18
10	2	K83759-20	Tee Bolt 5/16-18 x 3/4"
11	3	K51194	Bolt 5/16-18 x 5/8"
12	3	K50774	Lockwasher
13	1	K86128	Bracket

Valve Assemblies

Plate 25

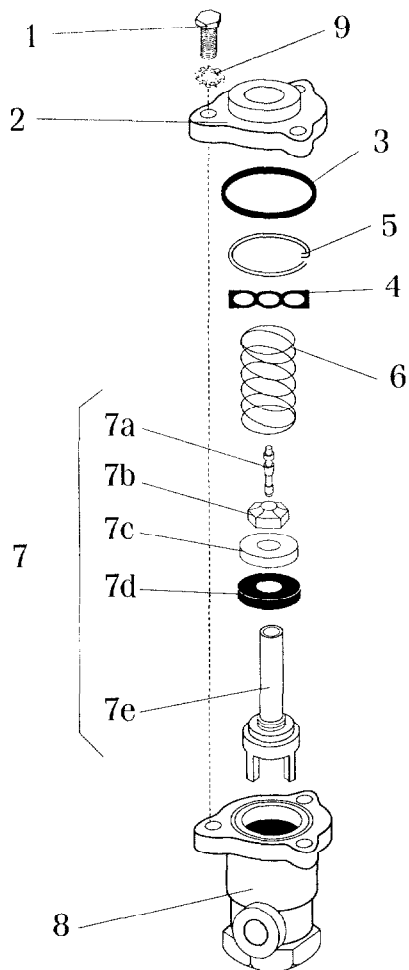
PA0054-XX Pressure Reg. Valve - Single and Dual Two-Product Pumps



Item	Qty.	Part Number	Description
1	1	PA0054-12	Complete Assy. (Includes 2-8)
		PA0054-11	Complete Assy. Intermediate Gallonage
2	3	Q10865-02	Screw 1/4-20 x 3/4"
3	1	N18769	Cover
4	1	Q10068-15	O-Ring (1-3/4" x 2")
5	1	K93518	Pressure Spring
6	1	N22955-G2	Check Valve Assy. (Includes 5a-5e)
6a	1	N23092	Relief Valve
6b	1	K80964-23	Pal Nut 1/2-20
6c	1	K82047	Flat Washer 1/2"
6d	1	K81332	Disc
6e	1	R18574	Valve Stem
7	1	R12039-12	Body
		R12039-11	Body (Intermediate Gallonage)
8	3	K50773	Lockwasher 1/4"

Plate 26

PA0059-05 Pressure Reg. Valve - Dual One-Product Pumps

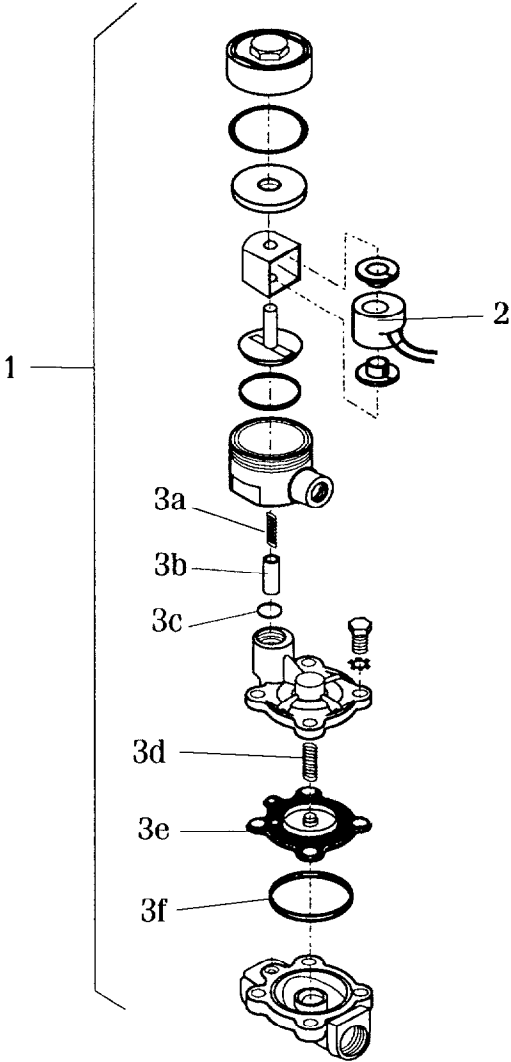


Item	Qty.	Part Number	Description
1	3	Q10865-02	Screw 1/4-20 x 3/4"
2	1	N18390-10	Cover
3	1	Q10068-16	O-Ring (1-7/8" x 2")
4	1	K82048-22	Stem Guide
5	1	K84729	Retaining Ring
6	1	K93518	Pressure Spring
7	1	N22955-G2	Check Valve Assy. (Includes 7a-7e)
7a	1	N23092	Relief Valve
7b	1	K80964-23	Pal Nut 1/2-20
7c	1	K82047	Flat Washer 1/2"
7d	1	K81332	Disc
7e	1	R18574	Valve Stem
8	1	R12039-12	Body
9	3	K50773	Lockwasher 1/4"

Valve Assemblies

Plate 27

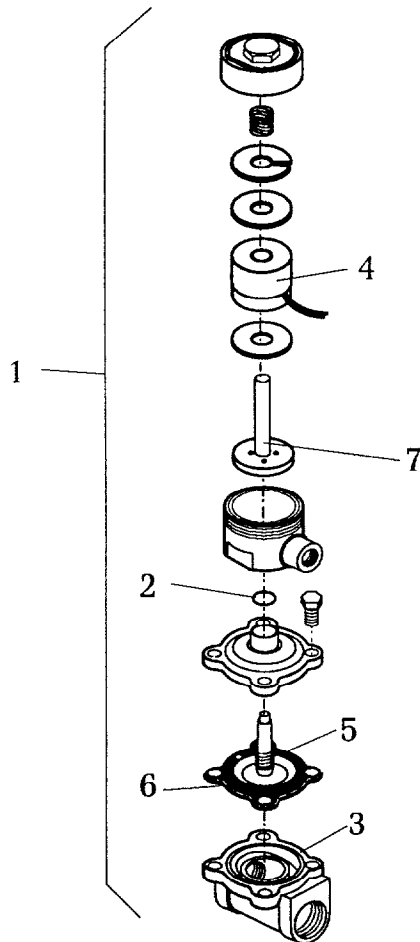
N21026 Solenoid Valve - 3/4"



Item	Qty.	Part Number	Description
1	1	N21026-01	Complete Valve Assy. 110/115/120VAC
		N21026-02	Complete Valve Assy. 220/230/240VAC
2	1	N21026-20	Coil, 110/115/120VAC
		N21026-36	Coil, 220/230/240VAC
3	-	N21026-35	Rebuild Kit (Includes 3a-3f)
3a	-	-	Core Spring
3b	-	-	Core
3c	-	-	Bonnet Gasket
3d	-	-	Diaphragm Spring
3e	-	-	Diaphragm Assy.
3f	-	-	Body Gasket

Plate 28

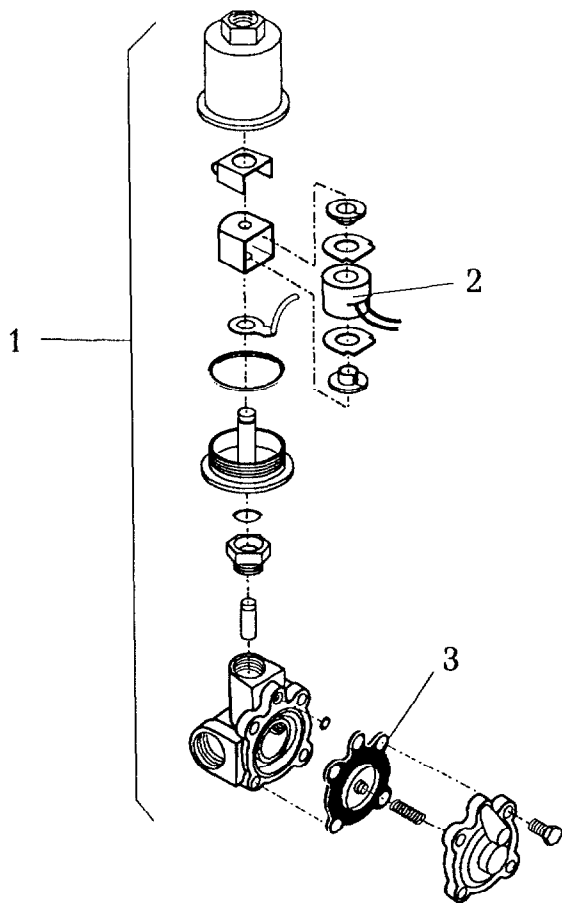
R16325 Solenoid Valve - 1"



Item	Qty.	Part Number	Description
1	1	R16325-01	1" Solenoid Valve 120VAC (Complete Assy.)
		R16325-02	1" Solenoid Valve 240VAC (Complete Assy.)
2	1	-	Gasket
3	1	-	Body Gasket
4	1	R16325-09	Coil, 110/115/120VAC
		R16325-10	Coil, 220/230/240VAC
5	1	-	Core Spring
6	1	-	Diaphragm
7	1	-	Core Guide
8	-	R16325-22	Rebuild Kit (120VAC Only) Includes 2-7

Valve Assemblies

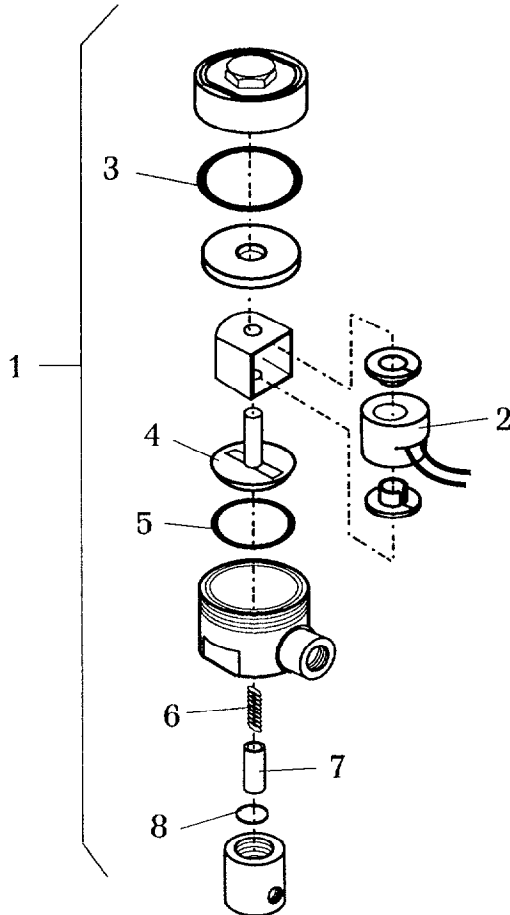
Plate 29
R19368 Solenoid Valve - 1-1/4"



Item	Qty.	Part Number	Description
1	1	R19368-01	Solenoid Valve 1-1/4" (Complete Assy.)
2	1	R19368-06	Coil 120VAC
3	1	R19368-07	Diaphragm and Seat Assy.

Plate 30

N20822 Solenoid Valve - 1/8"

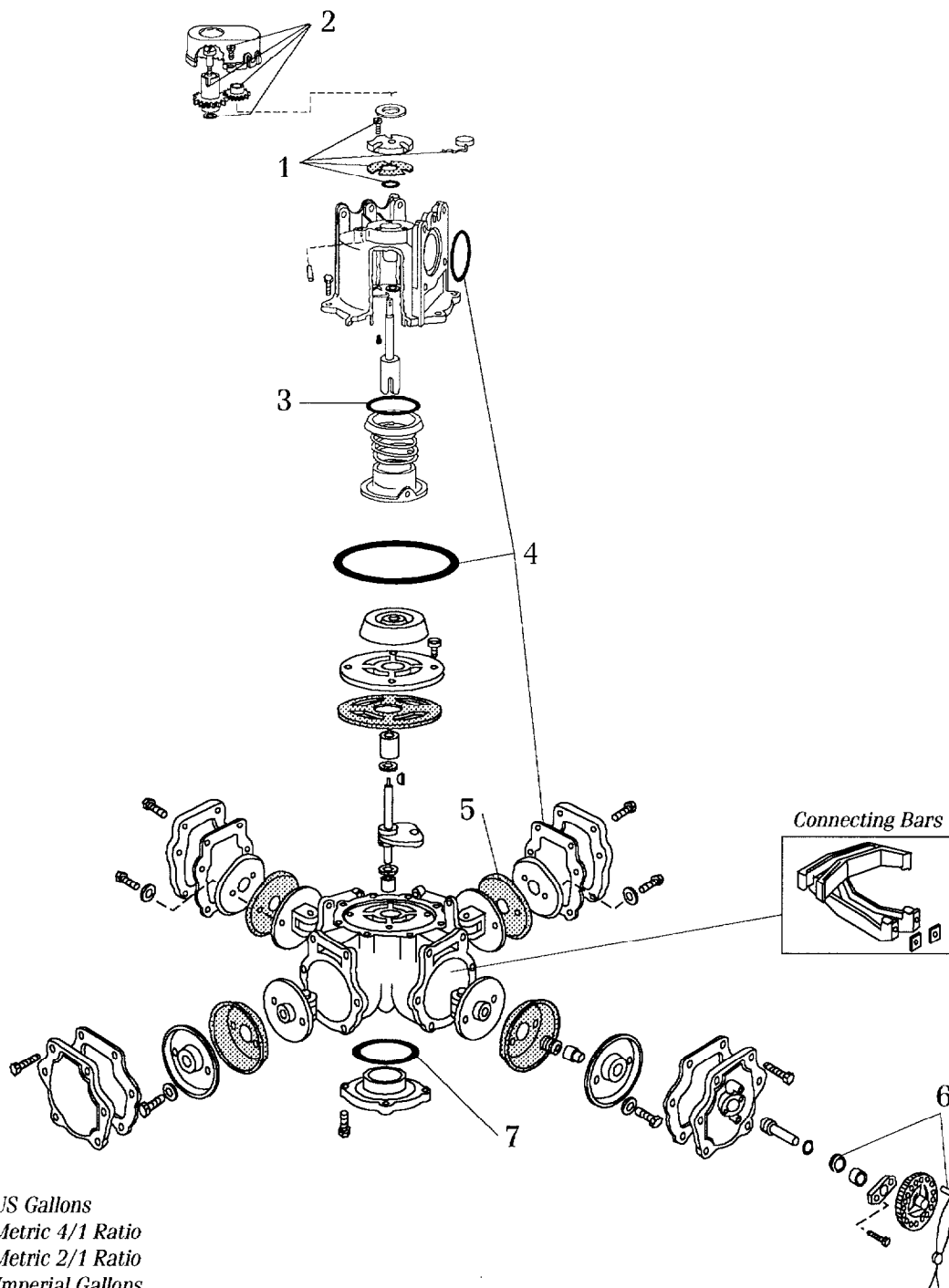


Item	Qty.	Part Number	Description
1	1	N20822	Solenoid Valve 1/8" (110-120VAC)
		N20822-06	Solenoid Valve 1/8" (220-240VAC)
2	1	N20822-18	Coil 110-120VAC
	1	N20822-07	Coil 220-240VAC
3	1	-	Cover Gasket
4	1	-	Solenoid Base
5	1	-	Housing Gasket
6	1	-	Core Spring
7	1	-	Core
8	1	-	Bonnet Gasket
9	1	N20822-28	Rebuild Kit (Includes 3-8)

Meter Assemblies

Plate 31

Gilbarco "C" Meter - PA024NCXXX*



*PA024NC10S: US Gallons

PA024NC12MS: Metric 4/1 Ratio

PA024NC14MS: Metric 2/1 Ratio

PA024NC12BS: Imperial Gallons

These are the most common used meters. For other models please call order entry.

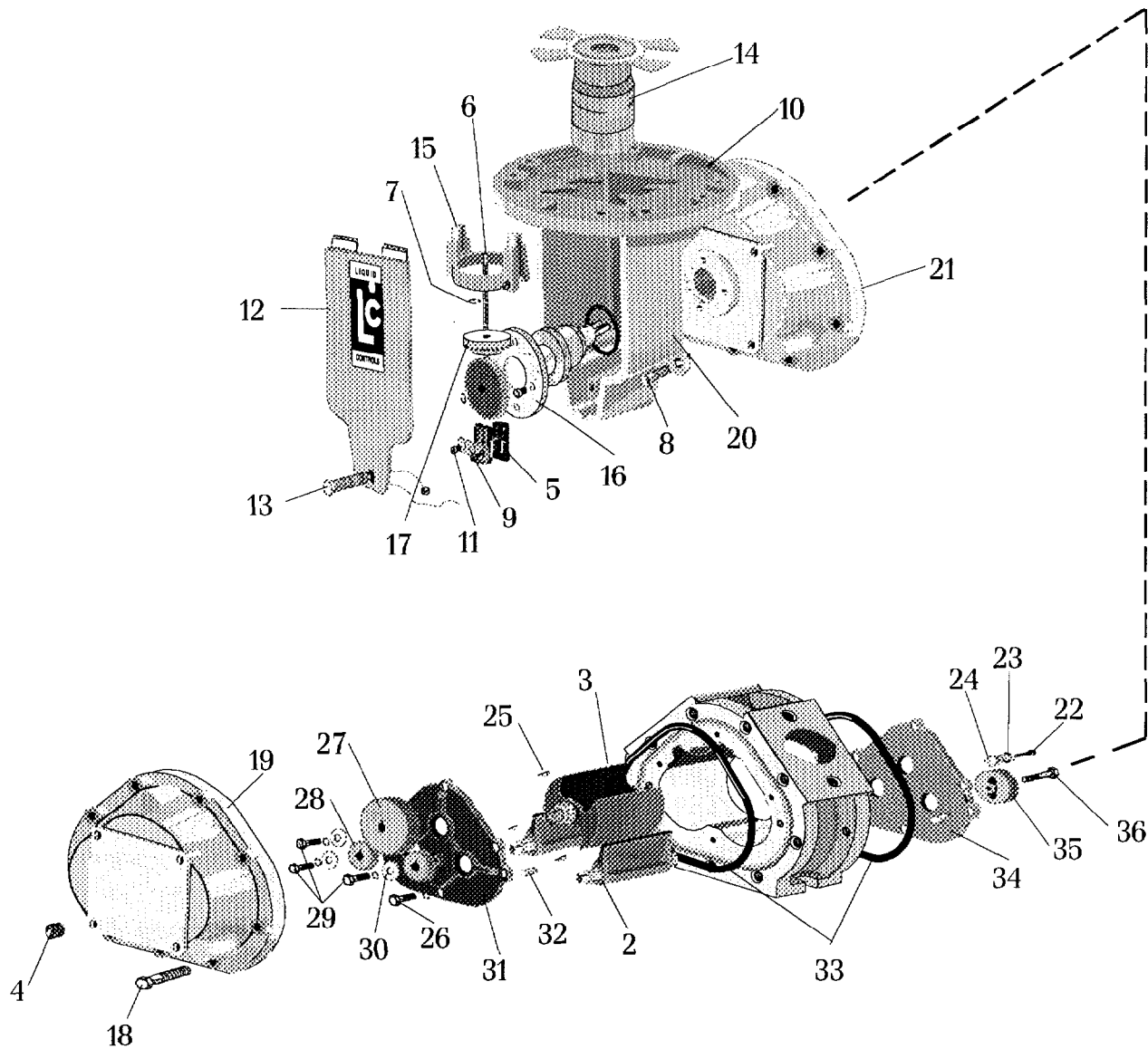
Gilbarco "C" Meter - PA024NCXXX*

Item	Qty.	Part Number	Description
1	-	K35222	Quad Ring Service Kit (Includes Quad Ring, Seal Cap Gasket, 3-Screws, Seal Wire, Seal Cap Tube, O-Ring Sleeve, Quad Ring Tool)
2	-	Mechanical Gear Kits (Includes Drive Gear, Pinion Gear, Gear Stud, Groove Pin, Thrustwashers, Seal Wire)	
		K35358-01	US Gallons (2:1)
		K35358-02	Domestic Var. Blend (1:1)
		K35358-03	Canadian Var. Blend (1.2:1)
		K35358-04	Metric 1/1 (2.1:1)
		K35358-05	Metric 2/1 (1.05:1)
		K35358-06	Metric 4/1 (1:1.9)
		K35358-07	Imperial Gallons 4/1 (2.4:1)
		K35358-08	Imperial Gallons 16/1 (.6:1)
3	1	N18254-04	Valve Seal O-Ring
4	-	K35359	Gasket and O-Ring Kit (Includes 4-Cylinder Cover Gaskets, 2-Inlet/Discharge Flange O-Rings, and 1-Cover O-Ring)
5	4	N21252	Formed Piston Cup (Rulon)
6	-	K35361	Adjuster Cylinder Cover Kit (Includes Adjusting Packing, Pin, Seal Wire)
7	1	Q10068-14	Lower Housing O-Ring

Meter Assemblies

Plate 32

Liquid Controls Meter - Ultra-Hi™625 Only



Liquid Controls Meter - Ultra-Hi™ 625 Only

Item	Qty.	Part Number	Description
1	1	T18767	Complete Meter (Includes 2-36)
2	2	T18767-02	Displacement Rotor Assy.
3	1	T18767-03	Blocking Rotor Assy.
4	2	T18767-04	Pipe Plug 1/4-18
5	2	T18767-05	Adjuster Drive Bushing
6	1	T18767-06	Adjuster Drive Shaft
7	1	T18767-07	Retaining Ring 1/4"
8	4	T18767-08	Screw 1/4-20 x 2-1/4"
9	1	T18767-09	Retaining Spring
10	1	T18767-10	Bracket
11	2	T18767-11	Screw 10-32 x 3/8"
12	1	T18767-12	Cover Adjuster Plate
13	1	T18767-13	Screw 1/4-20 x 2-1/4"
14	1	T18767-14	Adjuster Assy.
15	1	T18767-15	Adjuster Clamp
16	1	T18767-16	Packing Gland Assy. 2:1
17	1	T18767-17	Face Gear
18	8	T18621-10	Screw 5/16-18 x 3-3/8"
19	1	T18621-17	Rear Cover
20	1	T18621-07	Packing Gland O-Ring
21	1	T18621-08	Front Cover
22	4	T18621-15	Gear Screw
23	1	T18621-22	Pinion Washer
24	1	T18621-21	Output Gear Pinion
25	3	T18621-28	Rotor Key
26	8	T18621-20	Bearing Plate Screw
27	1	T18621-14	Blocking Gear

Item	Qty.	Part Number	Description
28	2	T18621-13	Displacement Gear
29	3	T18621-15	Cap Screw
30	3	T18621-16	Rotor Gear Washer
31	1	T18621-18	Bearing Rear Plate
32	4	T18621-09	Dowel Pin
33	2	T18621-12	Cover O-Ring
34	1	T18621-19	Bearing Front Plate
35	1	T18621-26	Output Gear
36	1	T18621-27	Shoulder Screw

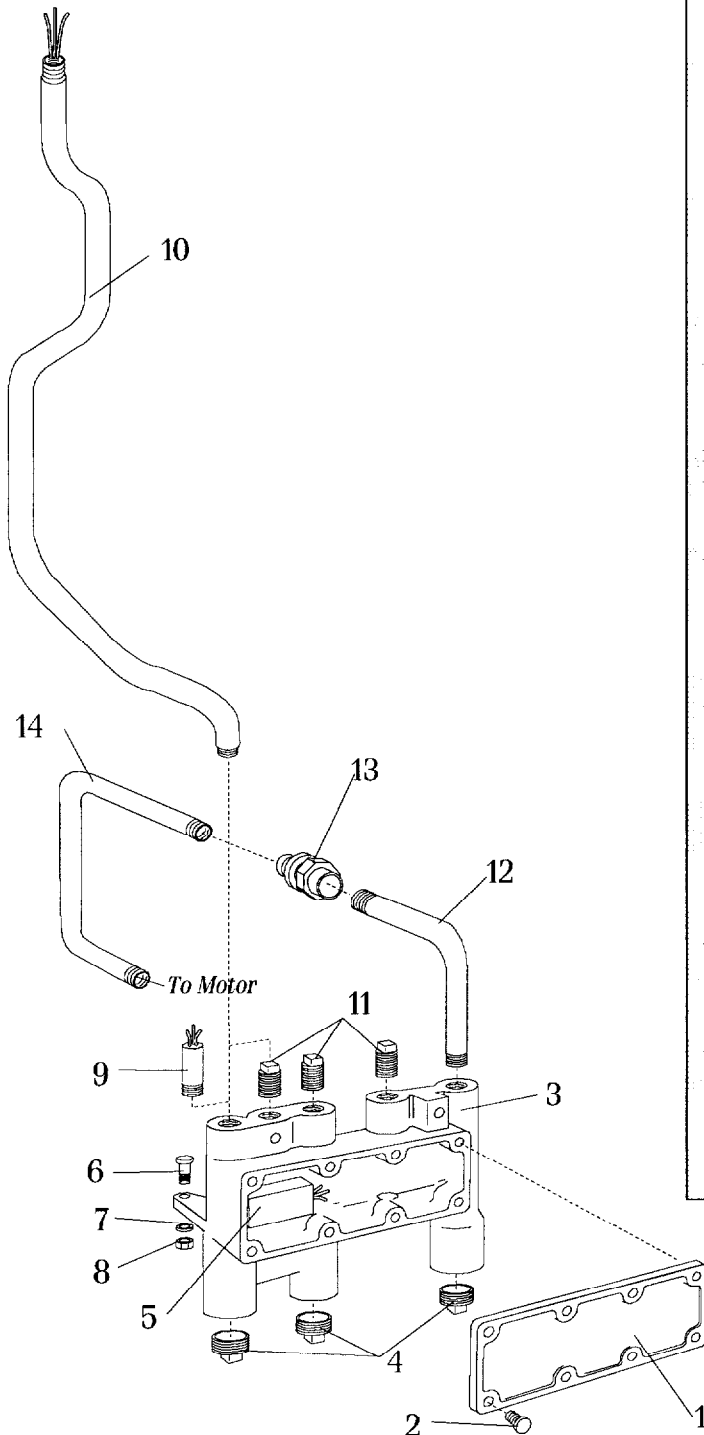
Junction Box and Conduit Assemblies

Plate 33

Single Pumps - Standard and High Gallonage

154-1, 154-R, 154-5, 154-6, 164-5, 164-S, 625-5, 625-S

To Electric Reset or Switch Box.



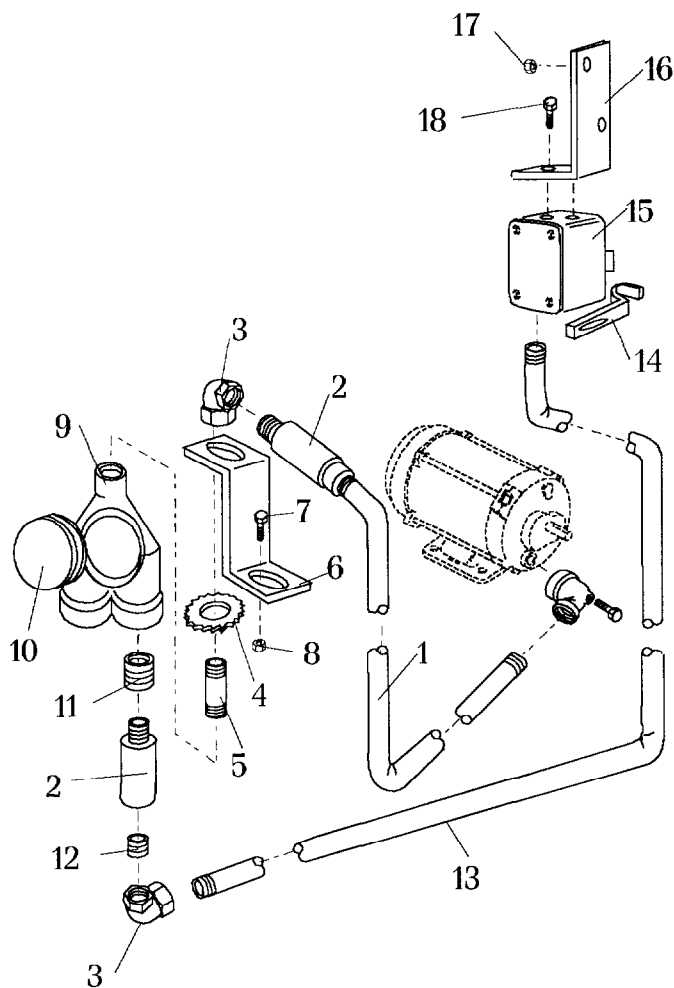
Item	Qty.	Part Number	Description
1	1	R12348-10	Junction Box Cover
2	8	K07565	Bolt 5/16-18 x 1"
3	1	T07498-11	Junction Box
	1	N19747	Junction Box (With screws for transmitter)
4	*	K02283	Pipe Plug 1"
5	1	T12665-G1	HVA Transmitter (Self service only)
	1	K89372	Transmitter Bracket (Not shown)
6	2	K01954	Bolt 3/8-16 x 1-1/2"
7	2	K50775	Lockwasher 3/8"
8	2	K01943	Nut, 3/8-16
9	1	T13713-G11	IS Barrier (Self service only)
10	-	Conduit Assemblies	
	1	T09624-07	Electric Reset (Self service only)
		T07911-06	Electric Reset
		R12680-01	Manual Reset, Lighted
		R12680-06	Manual Reset, Unlighted
		R12680-13	Manual Reset, Lighted (3 Pole Switch)
11	*	K02281	Pipe Plug 1/2"
12	1	R12579-06	Motor Conduit
13	1	Q10017-01	Conduit Union
14	1	N18590-03	Motor Conduit

*Quantity varies with model.

Junction Box and Conduit Assemblies

Plate 35

Single Pumps - Standard and High Gallonage with Keytrol
(Commercial 625-150 Only without Electric or Manual Reset)



items 11-18 for Keytrol only.

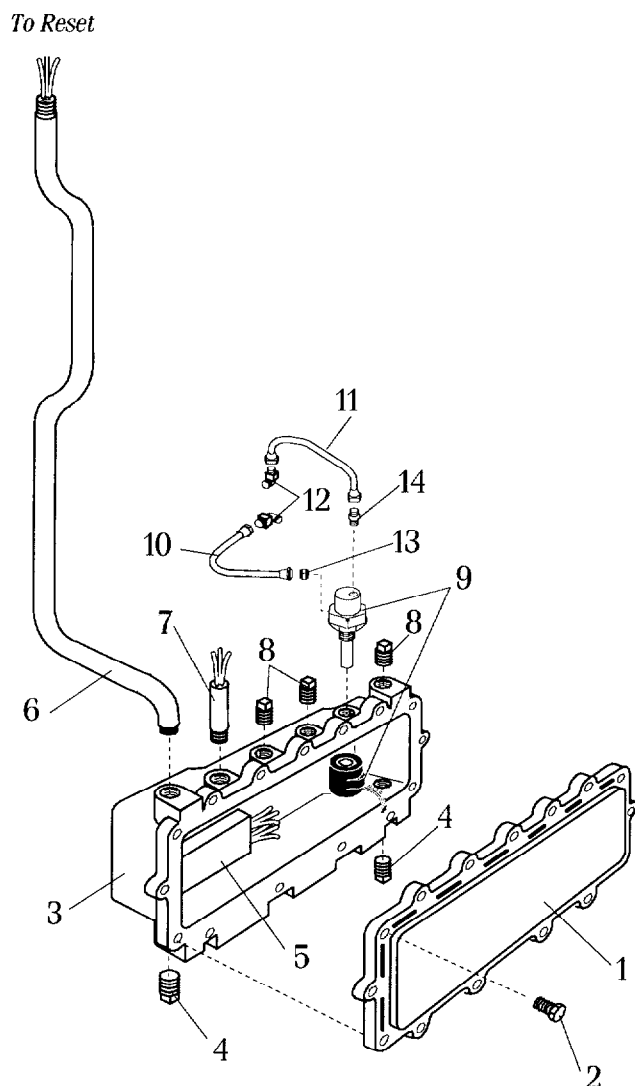
Item	Qty.	Part Number	Description
1	1	N18659	Motor Conduit
2	2	N16289-20	Expansion Union 1/2"
3	2	K42428	Conduit Elbow 1/2" x 90 deg.
4	1	K76434	Conduit Locknut
5	1	K13409	Nipple 1/2" x 1-3/4"
6	1	R17199	Junction Box Bracket
7	1	K45523	Bolt 5/16-18 x 7/8"
8	1	Q11890-05	Nut 5/16-18
9	1	R04757	Junction Box
10	1	N07699	Junction Box Cover
11	1	K49827	Reducer 1/2" x 3/4"
12	1	K09228	Nipple 1/2" x 1-1/2"
13	1	R12866	Conduit and Wire Assy.
14	1	K86469	Switch Actuating Lever
15	1	K86511	Switch Box Assy. ,Complete (Micro No. EXA-CRI)
16	1	N18946	Switch Bracket
17	2	Q11890-04	Flanged Hex Nut
18	2	K02015	Screw #10-32 x 3/8"

Junction Box and Conduit Assemblies

Plate 36

Single Dispensers - Standard Gallonage

154-0, 164-0



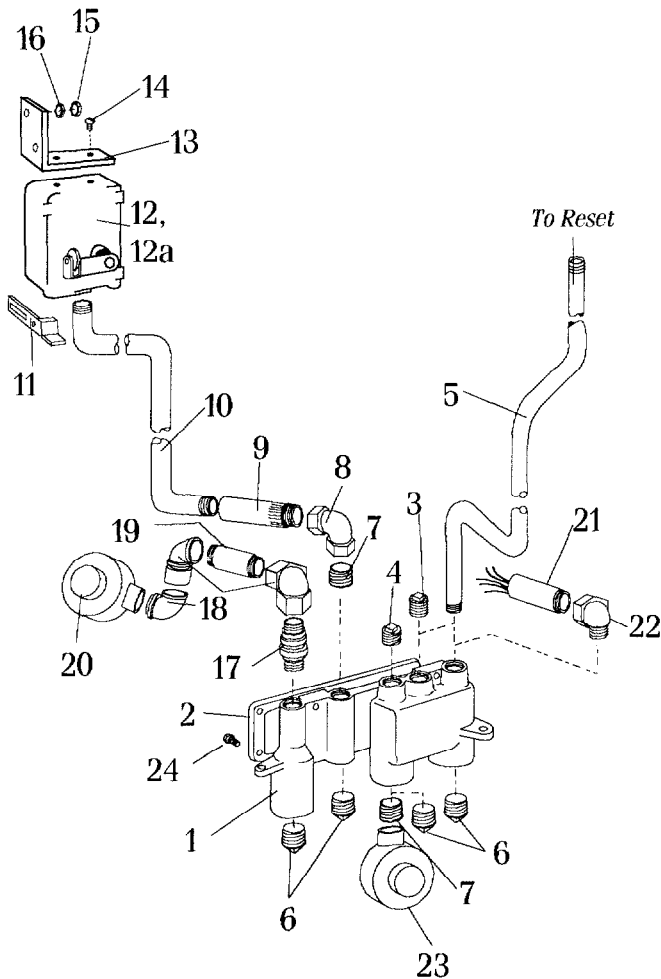
Item	Qty.	Part Number	Description
1	1	W01452-10	Junction Box Cover
2	15	K43625	Bolt, 1/4-20 x 3/4"
3	1	W01453-31	Junction Box
4	*	K02281	Pipe Plug 1/2"
5	1	T12665-G1	HVA Transmitter
	1	K89372	Transmitter Bracket
6	1	T10958-01	Conduit and Wire Assy. (Electric Reset)
		T10958-03	Conduit and Wire Assy. (Manual Reset)
7	1	T13713-G11	IS Barrier
8	*	K02282	Pipe Plug 3/4"
9	1	N23059	Pilot Valve 110-120VAC
		N23059-05	Pilot Valve 220-240VAC
		N23059-01	Coil Only 110-120VAC
		N23059-06	Coil Only 220-240VAC
		N23059-02	Pilot Valve Rebuild Kit
10	1	N22796-G1	Inlet Tube
11	1	N22797-G1	Outlet Tube
12	2	Q10001-02	Elbow Fitting 3/16" x 90 deg
13	1	Q10001-04	Elbow Fitting 1/4" x 90 deg.
14	1	Q10008-04	Straight Fitting 1/4"

Junction Box and Conduit Assemblies

Plate 37

Single Dispensers -

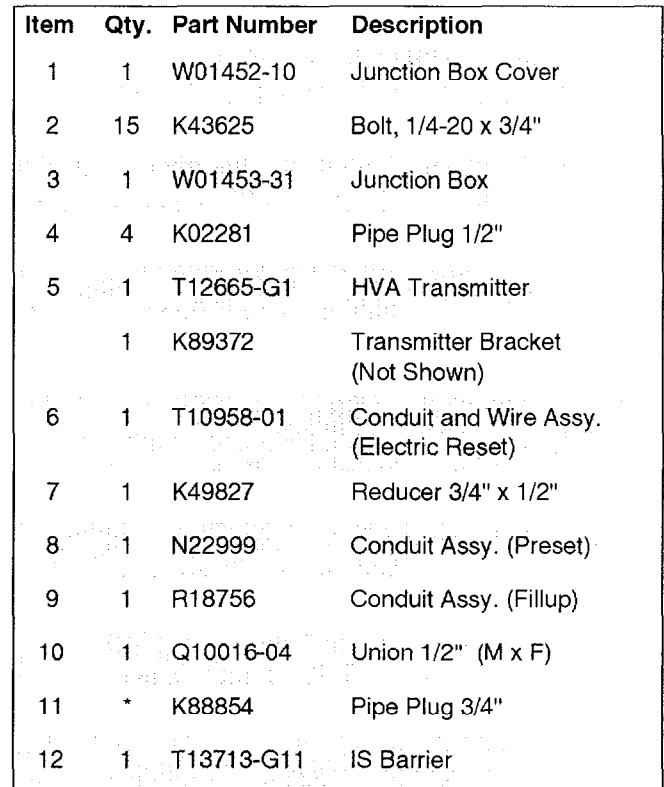
High Gallonage with Keytrol 625-354, 625-350



Items 7-16 for Keytrol Only, Commercial 625 models.

Item	Qty.	Part Number	Description
1	1	N19747-02	Junction Box
2	1	R12348-10	Junction Box Cover
3	1	K02281	Pipe Plug 1/2"
4	1	K02282	Pipe Plug 3/4"
5	1	T07911-06	Conduit and Wire Assy. (Electric Reset)
		T13780	Conduit and Wire Assy. (Elec. Reset, Self Service)
		R12680-06	Conduit and Wire Assy. (Manual Reset, Lighted)
		R12680-02	Conduit and Wire Assy. (Manual Reset, Unlighted)
6	3	K02283	Pipe Plug 1"
7	2	K18775	Nipple 1/2" x 1-1/8"
8	1	K42428	Elbow 1/2" x 90 deg. (F/ F)
9	1	N16289-20	Expansion Union
10	1	T08663-04	Conduit and Wire Assy.
11	1	K86469	Switch Actuating Lever
12	1	K86511	Switch Box Assy.
12a	1	K87120	Internal Switch Only
13	1	N18946	Switch Bracket
14	2	K02015	Screw 10-32 x 3/8"
15	2	K01941	Nut 1/4-20
16	2	K14056	Washer 1/4"
17	1	Q10016-04	Union 1/2" (M /F)
18	3	K42448	Elbow 1/2" x 90 deg. (M/ F)
19	1	K13409	Nipple 1/2" x 1-3/4"
20	1	R16325-XX	Solenoid Valve 1" (See Plate 28)
21	1	T13713-G11	IS Barrier
22	1	K80453	Conduit Elbow
23	1	N20822	Solenoid Valve 1/8" (See Plate 30)
24	8	K07565	Bolt 5/16-18 x 1"

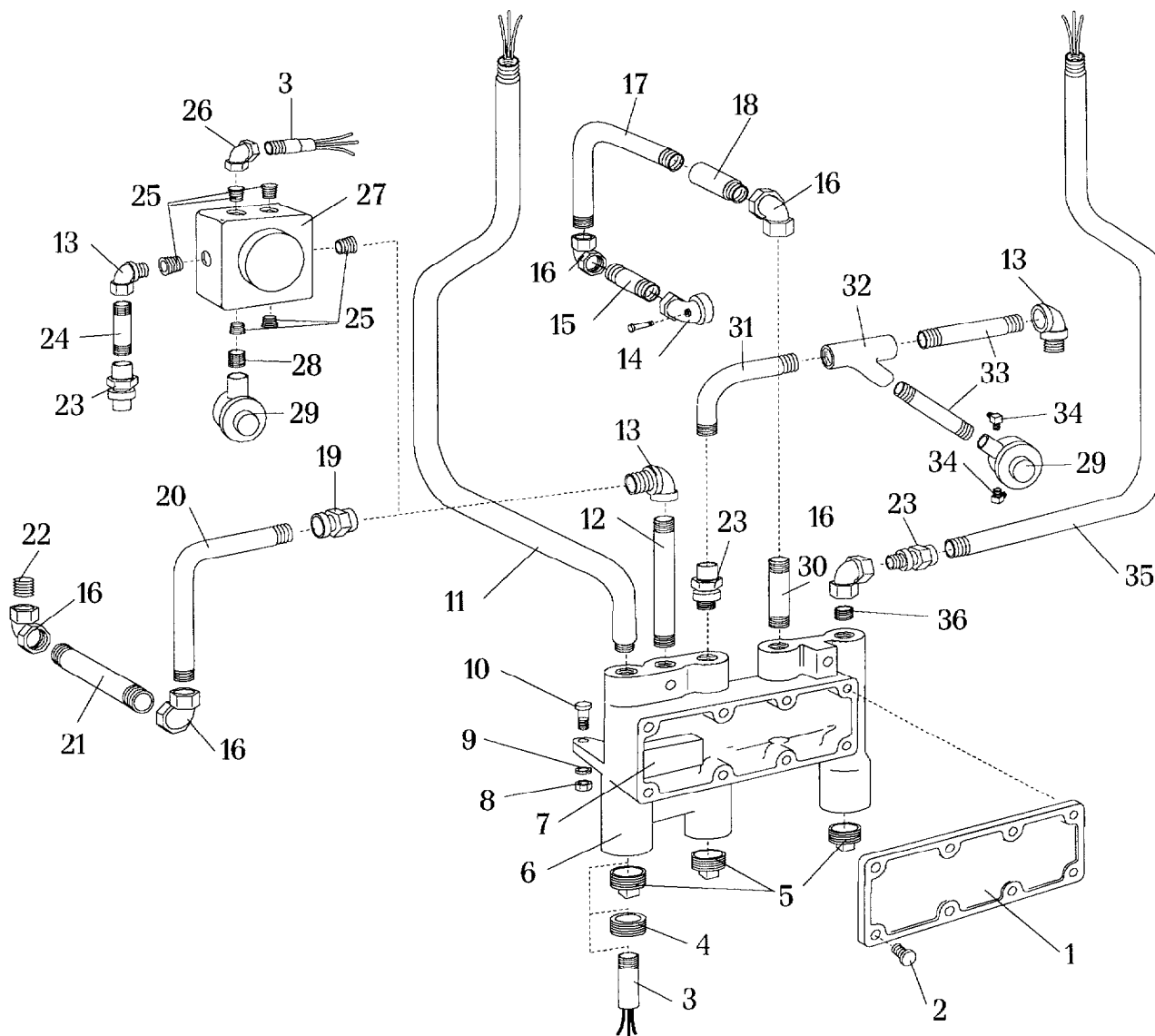
Single Dispensers - High Gallonage Master 164-8



Junction Box and Conduit Assemblies

Plate 39

Dual One-Product Pumps - Standard Gallonage 251-1, 261-1, 251-R, 261-R



Junction Box and Conduit Assemblies

Dual One-Product Pumps - Standard Gallonage

Item	Qty.	Part Number	Description
1	1	R12348-10	Junction Box Cover
2	8	K07565	Bolt 5/16-18 x 1"
3	2	T13713-G11	IS Barrier
4	1	K49827-21	Reducer 1" to 3/4"
5	3	K02283	Pipe Plug 1"
6	1	N19747-07	Junction Box
7	2	T12665-G1	HVA Transmitter
		K89372	Transmitter Bracket (Not shown)
8	2	K01943	Nut 3/8-16
9	2	K50775	Lockwasher 3/8"
10	2	K01954	Bolt 3/8-16 x 1-1/2"
11	1	T08075-02	Wire and Conduit Assy. (Electric Reset LH)
		R12682	Wire and Conduit Assy. (Manual Reset, lighted LH)
		R12682-01	Wire and Conduit Assy. (Manual Reset, unlighted LH)
12	1	K49221	Nipple 1/2" x 5-3/4"
13	4	K42448	Elbow 1/2" x 90 deg. (M/F)
14	1	K77734	Motor Conduit Elbow
15	1	K12660	Nipple 1/2" x 2-3/8"
16	4	K42428	Elbow 1/2" x 90 deg. (F/F)
17	1	N16387-28	Conduit
18	1	N16289-20	Expansion union 1/2"
19	1	Q10017-01	Union 1/2" F/F
20	1	R12579-74	Conduit 1/2"
21	1	R11976-31	Nipple 1/2" x 5-5/8"
22	1	K43031	Nipple 1/2" x 1-3/8"
23	3	Q10016-04	Union 1/2" M/F

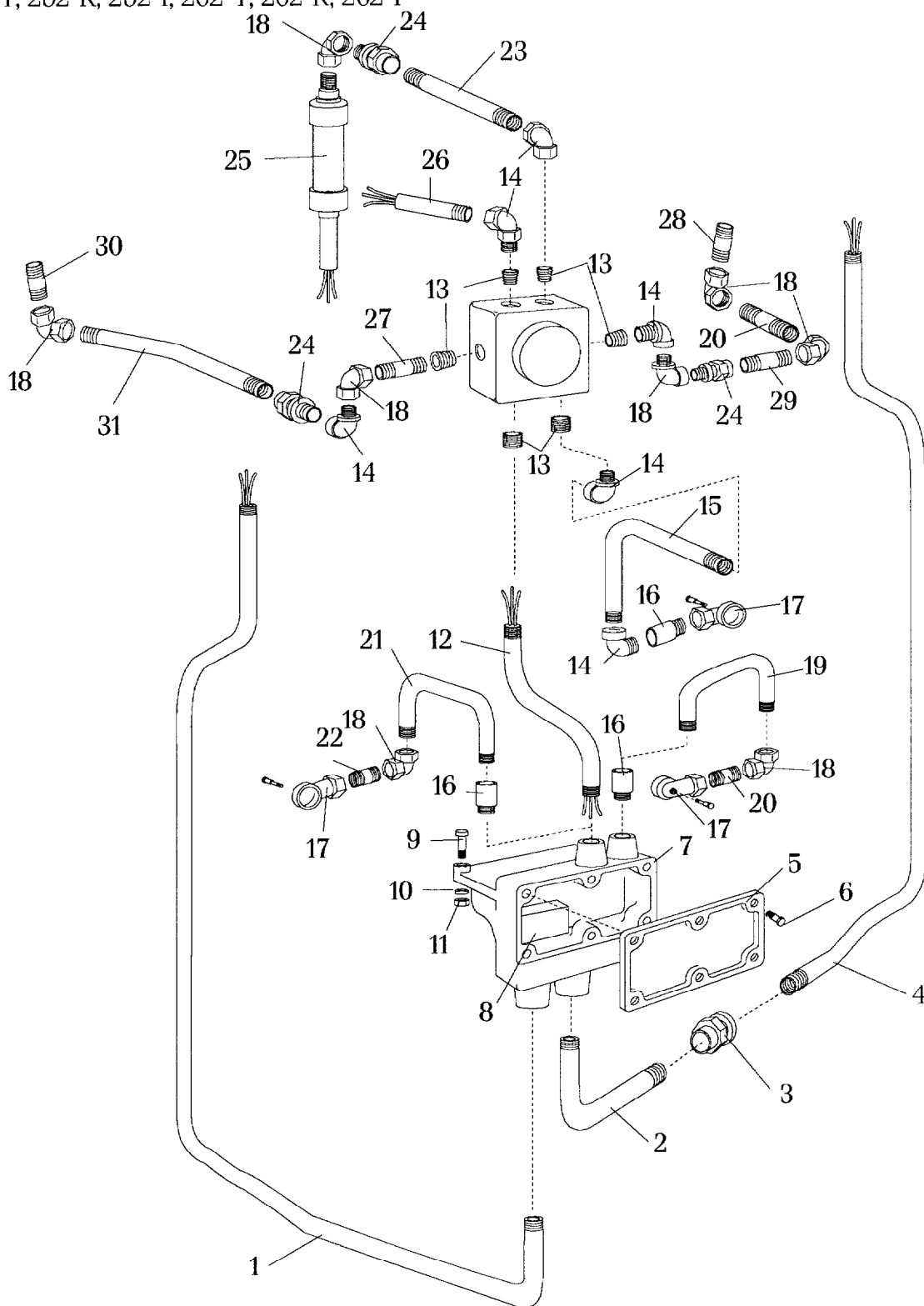
Item	Qty.	Part Number	Description
24	1	K08560	Nipple 1/2" x 3-5/8"
25	6	K49827	Reducer
26	1	K80453	Elbow 1/2" 90 deg.
27	1	N19801-02	Aux. Junction Box
28	1	K18775	Nipple 1/2" x 1-1/8"
29	2	N20822	Solenoid Valve 1/8" (See Plate 30)
30	1	K88207-02	Nipple 1/2" x 3"
31	1	R12579-40	Conduit
32	1	Q10101-01	"Y" Fitting 1/2" x 1/2" x 1/2"
33	2	K22207	Nipple 1/2" x 4-1/2"
34	2	Q10001-02	Flared Elbow 1/8"
35	1	T08076-02	Wire and Conduit Assy. (Electric Reset, RH)
		R12645-01	Wire and Conduit Assy. (Manual Reset, RH)

Junction Box and Conduit Assemblies

Plate 40

Dual Two-Product Pumps - Standard and Intermediate Gallonage

252-1, 252-R, 252-T, 262-1, 262-R, 262-T



Junction Box and Conduit Assemblies

Dual Two-Product Pumps - Standard Gallonage

Item	Qty.	Part Number	Description
1	1	T08066-04	Conduit and Wire Assy. (Electric Reset, LH)
		R12677-01	Conduit and Wire Assy. (Manual Reset, LH, lighted)
		R12677-03	Conduit and Wire Assy. (Manual Reset, LH, unlighted)
2	1	R12579-07	Conduit
3	1	Q10017-01	Union 1/2"
4	1	T08067-04	Conduit and Wire Assy. (Electric Reset, RH)
		R12684	Conduit and Wire Assy. (Manual Reset, RH)
5	1	R12400-10	Junction Box Cover
6	6	K07565	Bolt 5/16-18 x 1"
7	1	T07586-10	Junction Box
8	1	T12665-G1	HVA Transmitter
	1	K89372	Transmitter Bracket (Not Shown)
9	2	K01954	Bolt 3/8-16 x 1-1/2"
10	2	K50775	Lockwasher 3/8"
11	2	K01943	Nut 3/8-16
12	1	K87968	Conduit
13	6	K49827	Reducer 3/4" to 1/2"
14	6	K42448	Elbow 1/2" x 90 deg (M/F)
15	1	R12579-36	Conduit
16	2	N16289-20	Expansion Union
17	2	K77734	Elbow Fitting
18	7	K42428	Elbow 1/2" x 90 deg. (F/F)
19	1	N18590-02	Conduit
20	1	K22365	Nipple 1/2" x 2-1/8"
21	1	N18727	Conduit 1/2"
22	1	K50861	Nipple 1/2" x 2-1/2"
23	1	R11976-22	Conduit 1/2" x 9-7/8"

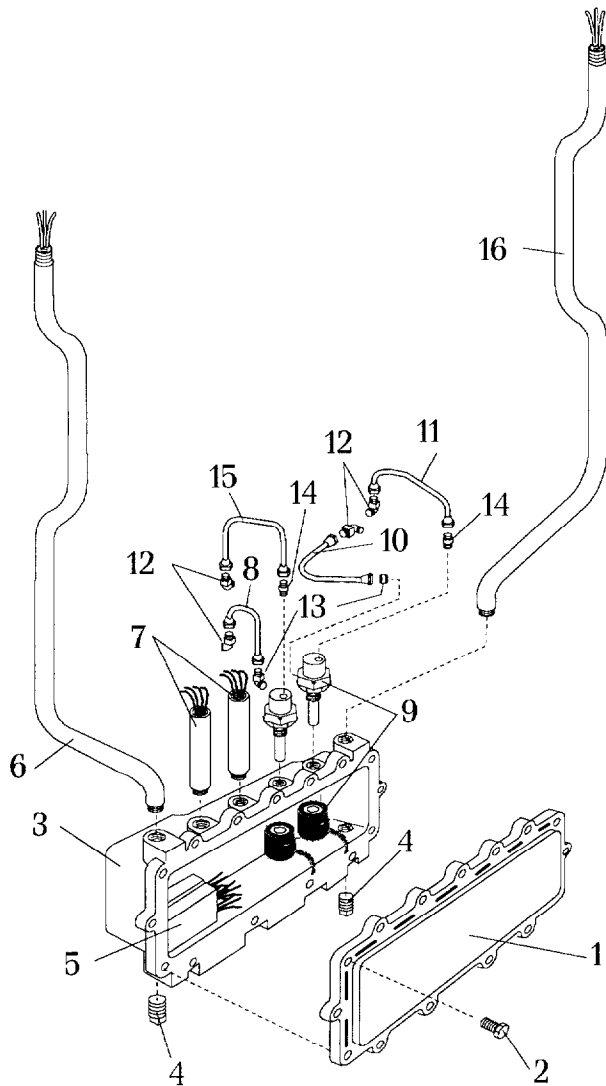
Item	Qty.	Part Number	Description
24	1	Q10016-04	Union 1/2"
25	1	R16328	Transmitter and IS Barrier Assy.
26	1	T13713-G11	IS Barrier
27	1	K13409	Nipple 1/2" x 1-3/4"
28	1	K18775	Conduit Nipple 1/2" x 1-1/8"
29	1	R11976-25	Conduit 1/2" x 5"
30	1	K19299	Conduit 1/2" x 2"
31	1	R11976-20	Nipple 1/2" x 6-1/8"

Junction Box and Conduit Assemblies

Plate 41

Dual One-Product Dispensers - Standard Gallonage 251-0, 261-0

Dual Two-Product Dispensers - Standard Gallonage 252-0, 262-0



Item	Qty.	Part Number	Description
1	1	W01452-10	Junction Box Cover
2	15	K43625	Bolt 1/4-20 x 3/4"
3	1	W01453-31	Junction Box
4	*	K02281	Pipe Plug 1/2"
5	1	T12665-G1	HVA Transmitter
6	1	T10958-01	Conduit and Wire Assy. (Electric Reset, LH)
		T10958-03	Conduit and Wire Assy. (Manual Reset, LH)
7	1	T13713-G11	IS Barrier
8	1	N22798-G1	Outlet Tube
9	1	N23059	Pilot Valve 110-120VAC
		N23059-05	Pilot Valve 220-240VAC
		N23059-01	Coil Only 110-120VAC
		N23059-06	Coil Only 220-240VAC
		N23059-02	Pilot Valve Rebuild Kit
10	1	N22796-G1	Outlet Tube
11	1	N22797-G1	Inlet Tube
12	4	Q10001-02	Elbow Fitting 1/8" x 90 deg.
13	2	Q10001-04	Elbow Fitting 1/4" x 90 deg.
14	2	Q10008-04	Straight Fitting 1/4"
15	1	N22795-G1	Inlet Tube
16	1	T10957-01	Conduit and Wire Assy. (Electric Reset, RH)
		T10957-04	Conduit and Wire Assy. (Manual Reset, RH)

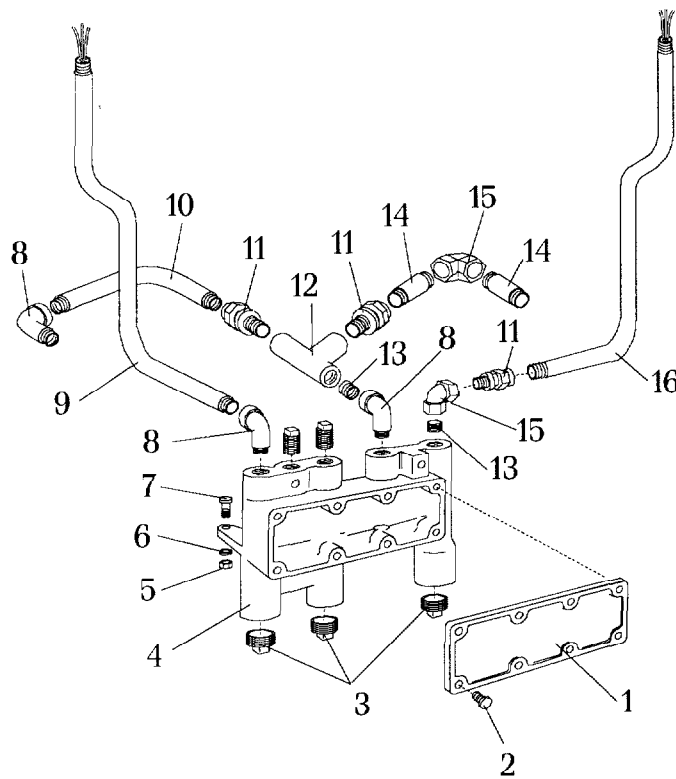
*Quantity varies with model.

Junction Box and Conduit Assemblies

Plate 42

Dual One-Product Dispensers - High Gallonage 655-3

Dual Two-Product Dispensers - High Gallonage 656-3

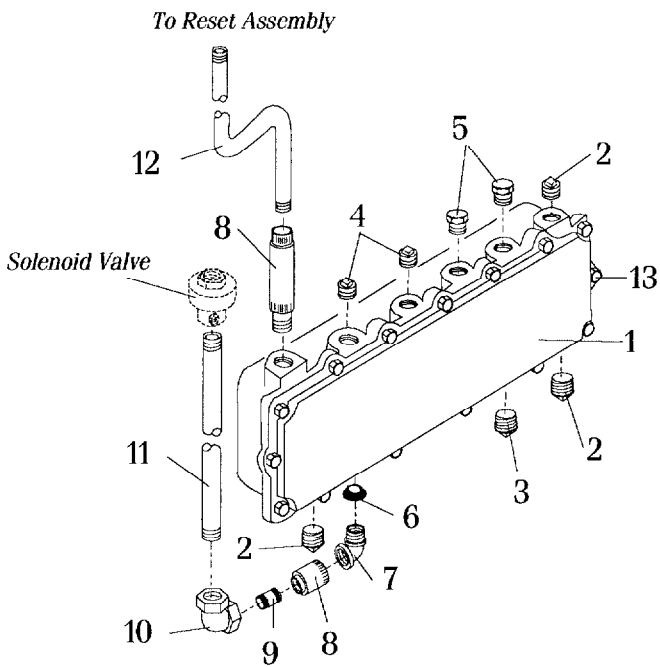


Item	Qty.	Part Number	Description
1	1	R12348-10	Junction Box Cover
2	8	K07565	Bolt 5/16-18 x 1"
3	3	K02283	Pipe Plug 1"
4	1	N19747-07	Junction Box
5	2	K01943	Nut 3/18-16
6	2	K50775	Lockwasher 3/8"
7	2	K01954	Bolt 3/8-16 x 1-1/2"
8	3	K42448	Elbow 1/2" (M/F)
9	1	T16156-02	Conduit and Wire Assy. (Electric Reset, LH)
		R18071-01	Conduit and Wire Assy. (Manual Reset, LH)
10	1	K92926	Conduit
11	3	Q10016-04	Conduit Union 1/2"
12	1	Q10101-01	"Y" Conduit 1-1/2" x 1/2" x 3/4"
13	2	K18775	Nipple 1/2" x 1-1/8"
14	2	K50861	Nipple 1/2" x 2-1/2"
15	2	K42428	Elbow 1/2" x 90 deg. (F x F)
16	1	T07912-02	Conduit and Wire Assy. (Electric Reset, RH)
		R12629-01	Conduit and Wire Assy. (Manual Reset, RH)

Junction Box and Conduit Assemblies

Plate 43

Ultra-Hi™ 625 Dispensers - High Gallonage Master/Satellite

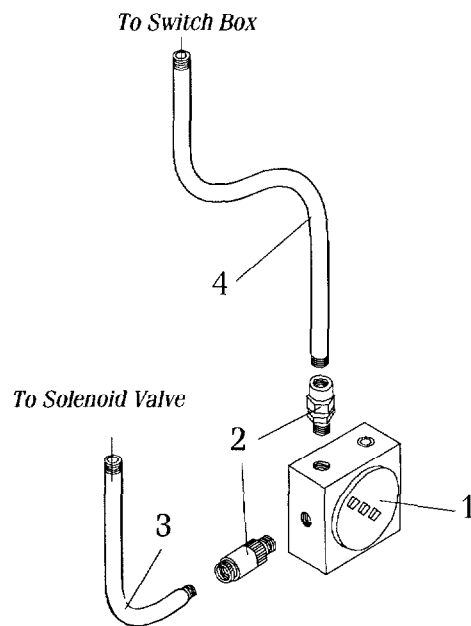


Item	Qty.	Part Number	Description
1	1	W01453-31	Junction Box
		W01452-10	Junction Box Cover
2	3	K02281	Pipe Plug 1/2"
3	1	K02283	Pipe Plug 1"
4	2	K02282	Pipe Plug 3/4"
5	2	K88854	Pipe Plug 3/4"
6	1	K49827-20	Reducer 1" to 1/2"
7	1	K42448	Elbow 1/2" x 90 deg. (M/F)
8	2	N16289-20	Expansion Union
9	1	K18775	Nipple 1/2" x 1-1/8"
10	1	K42428	Elbow 1/2" x 90 deg. (F/F)
11	1	R11976-24	Conduit 1/2" x 8-3/8"
12	1	R19433	Conduit 1/2"
13	15	K43625	Bolt 1/4-20 x 3/4"

Junction Box and Conduit Assemblies

Plate 44

Ultra-Hi 625 Dispensers - High Gallonage Satellite

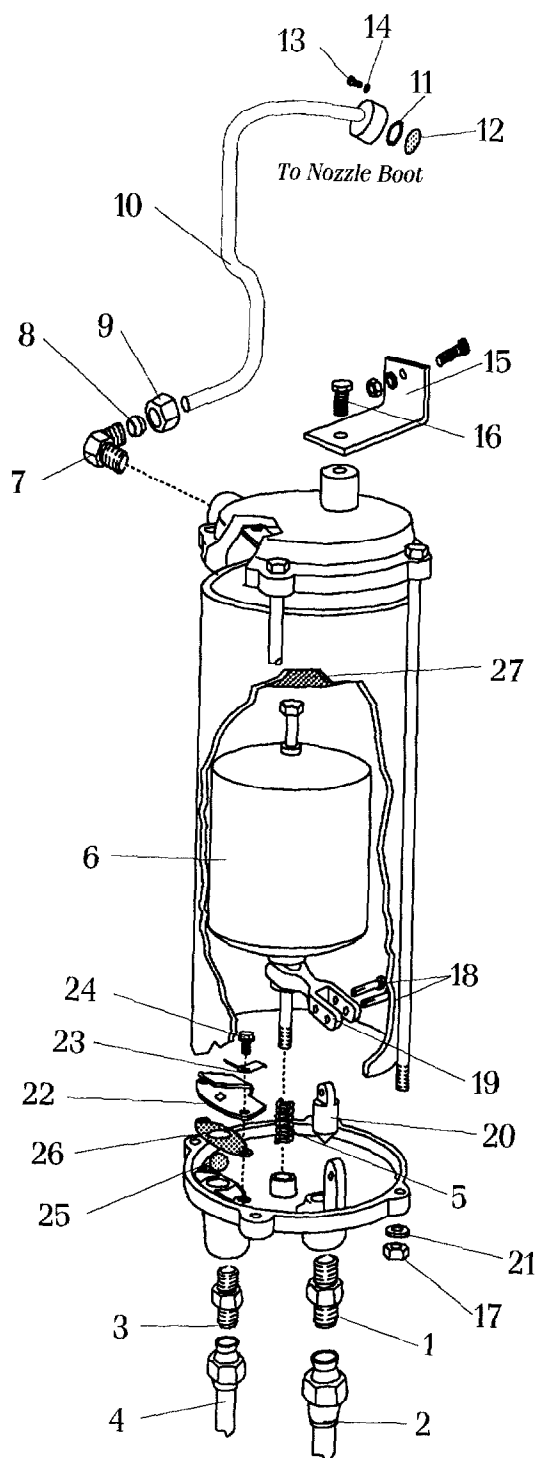


Item	Qty.	Part Number	Description
1	1	N23269-G1	Junction Box
2	2	N16289-20	Expansion Union
3	1	R12579-115	Conduit 1/2"
4	1	R19411-G1	Conduit and Wire Assy.

Pump, Sump and Motor Assemblies

Plate 45

Sump Assembly - All Pumps



Pump, Sump and Motor Assemblies

Sump Assembly - All Pumps

Item	Qty.	Part Number	Description
1	1	Q10008-21	Straight Fitting 1/2" (Single, Dual One-Product)
		Q10001-20	Elbow Fitting 1/2" 90 deg. (Dual Two-Product)
2		Return Tube	
	1	R18579-G7	Single
	1	T16445-G1	Dual One-Product
	2	R12529	Dual Two-Product
3	1	Q10008-13*	Straight Fitting 3/8" (Dual Two-Product)
		Q10008-09	Straight Fitting 5/16" (Dual Two-Product)
		Q10001-12*	Elbow Fitting 3/8" 90 deg. (Single, Dual One-Product)
		Q10001-09	5/16" 90 deg. Elbow Fitting (Single, Dual One-Product)
4	1	Inlet Tube	
		T18479-G1*	Dual One-Product 3/8"
		T07721	Dual One-Product 5/16"
		T18478-G1*	Single, std. gallonage 3/8"
		T09045	Single 5/16"
		N23238-G1*	Dual Two-Product 3/8"
		K85511	Dual Two-Product 5/16"
		T18480-G1*	Single, high gallonage 3/8"
5	1	K49606	Float Spring
6	1	K48811	Float and Spool Assy.
7	1	Q12503-01*	Elbow 3/8"
7	1	K73714	Elbow 1/4"
		K43260*	Ferrule 3/8"
8	2	K50680	Ferrule 1/4"

Item	Qty.	Part Number	Description
9	1	Q12505-01*	Nut 3/8"
		K78407	Nut 1/4"
10	1	R19045-G1*	Vent Tube 3/8" (Single Pumps)
		R19046-G1*	Vent Tube 3/8" (Dual Pumps)
10	1	R12454	Vent Tube 1/4" (Single)
		R12436	Vent Tube 1/4" (Dual Pumps)
11	*	Q10066-14	O-Ring 5/8" x 1/2" x 1/16"
12	*	K66253	Vent Screen
13	*	K85149-02	Screw 10-24 x 3/8"
14	*	K65235-22	Washer
15	1	K85117	Sump Bracket (Single Pumps)
		N18503-02	Sump Bracket (Dual Pumps)
16	1	Q11889-22	Cap Screw 3/8"-16 x 1/2"
17	1	Q11890-05	Nut 5/16"-18
18	2	K57553	Valve Lever Pin
19	1	K45226-01	Valve Lever
20	1	K51073A	Valve
21	4	K50774	Lockwasher 5/16"
22	1	N23113*	Baffle Plate
23	1	N23112*	Valve Spring
24	2	K85736-15*	Screw 10-32 x 1/2"
25	1	K93516*	Flow Control Ball
26	1	N23266*	Gasket
27	1	N22607	Filter (High Gal. Only)

For complete Sump Assy. Order:

PA0013-148 for Single Pump, Std. Gallonage (long sump)

PA0013-161 for Dual-One Product Pump (short sump)

PA0013-152 for Single Pump, High Gallonage (long sump)

PA0013-148 for Dual-Two Product Pump (short sump)

*Parts used on units with an "R" or "S" in the 4th digit of the hydraulics model number. These sumps have an internal flow control valve. They will replace older sumps without flow control valves. Use existing fittings and tubing when replacing sumps without valves.

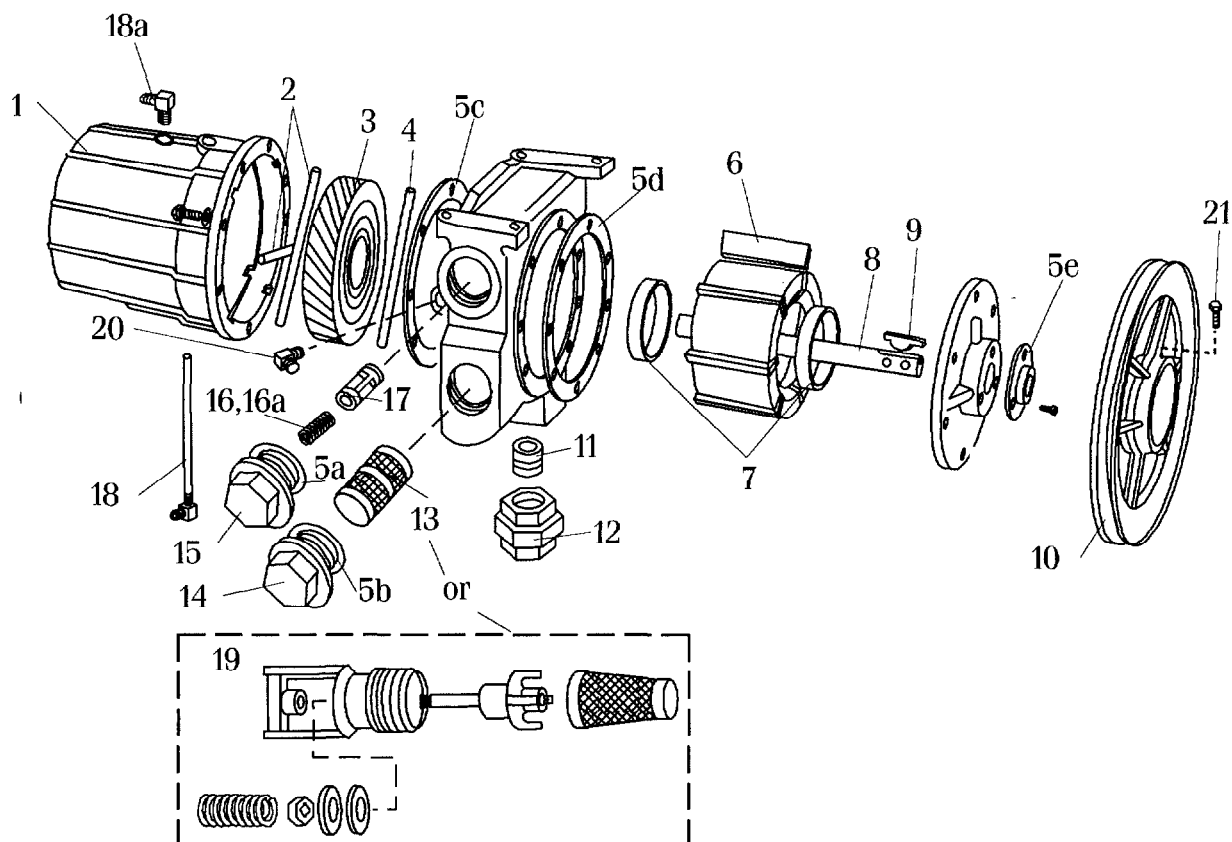
Quantities shown per sump assembly.

Pump, Sump and Motor Assemblies

Plate 46

PUS020-XX* Pump and Air Separator- All Pumps

*For complete assembly call Gilbarco Spare Parts.
Provide Hydraulics Model Number when ordering.*



Pump Sump and Motor Assemblies

PUS020-XX* Pump and Air Separator- All Pumps

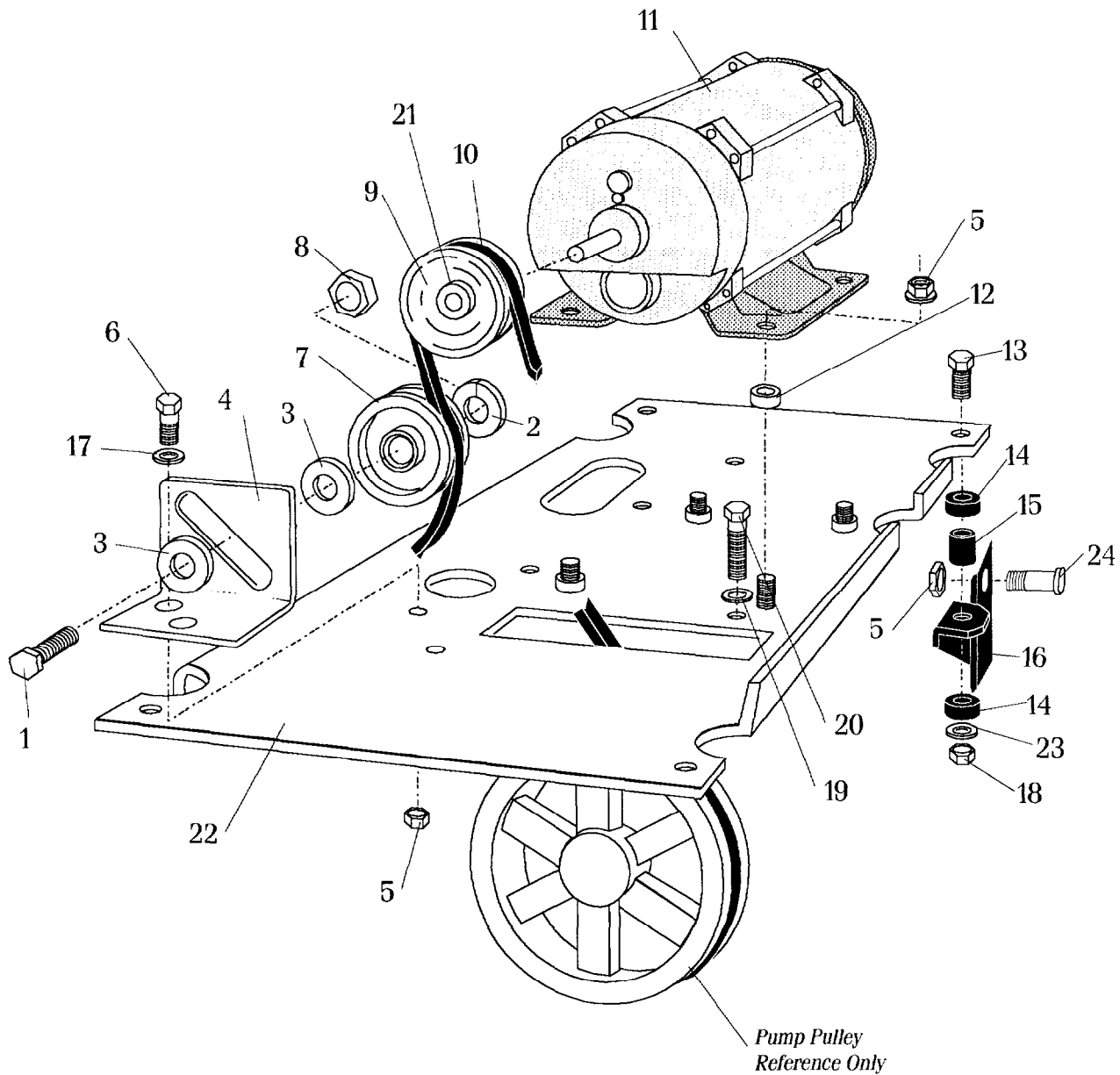
Item	Qty.	Part Number	Description
1	1	R12512-07	Air Separator Body (3/4" Discharge)
2	2	K82085-02	Filter Retainer (Inner)
3	1	K76193	Separator Filter
4	1	K82085-01	Filter Retainer (Outer)
5	1	K35211	Seal Kit (Includes 5a-5e)
5a	1	Q10068-15	O-Ring 1-3/4" x 2" x 1/8"
5b	1	Q10068-18	O-Ring 2-1/8" x 2-3/8" x 1/8"
5c	1	N14492	Separator Gasket
5d	1	Q12508-156	Pump Gasket
5e	1	K82472	Lip Seal
6	6	K76657	Blade
		K35212	Blade Kit (Includes 6, 5d, 5e)
7	2	K48226	Blade Spacer
8	1	N17150-21	Rotor and Shaft Assy.
9	1	K83379-21	Key
10	1	R18900-61	Pump Pulley (Dual One-Product, Single High Gallonage)
	1	R18900-71	Pump Pulley (Single, Dual Two-Product)
11	1	R11493-50	Pipe Nipple (1-1/2" x 1-3/4")
12	1	K12179	Union (1-1/2")
13	1	N18957	Filter
14	1	K45315e03	Filter Cap
15	1	K48169-04	Relief Valve Cap

Item	Qty.	Part Number	Description
16	1	K92458	Relief Valve Spring 38PSI (High Gallonage)
	1	K93167	Relief Valve Spring 28PSI (Standard Gallonage)
	1	K90100	Relief Valve Spring 23PSI (Dual One-Product)
16a	1	K93530-03	Spacer .31" (Standard and High Gal.)
	1	K93530-01	Spacer .75" (Dual One-Product)
17	1	N23078	Relief Valve
18	1	K93521-G2	Vent Tube Assy. 3/8"
	1	K93521-G3	Vent Tube Assy. 3/8" (High Gal. Gasoline Only)
	1	K85128	Vent Tube Assy. 5/16"
18a	1	Q12623-01	Elbow 3/8" x 90 deg. (Dual Two-Product)
	1	Q10001-08	Elbow 5/16" x 90 deg. (Dual Two-Product)
19	1	K35213	Strainer/Check Valve Kit
20	1	Q10001-20	Elbow 1/2" x 90 deg.
21	1	Q10892-01	Set Screw 5/16-18 x 3/8"

Pump, Sump and Motor Assemblies

Plate 47

Motor Assembly - Single and Dual One-Product Pumps



Pump, Sump and Motor Assemblies

Motor Assembly - Single and Dual One-Product Pumps

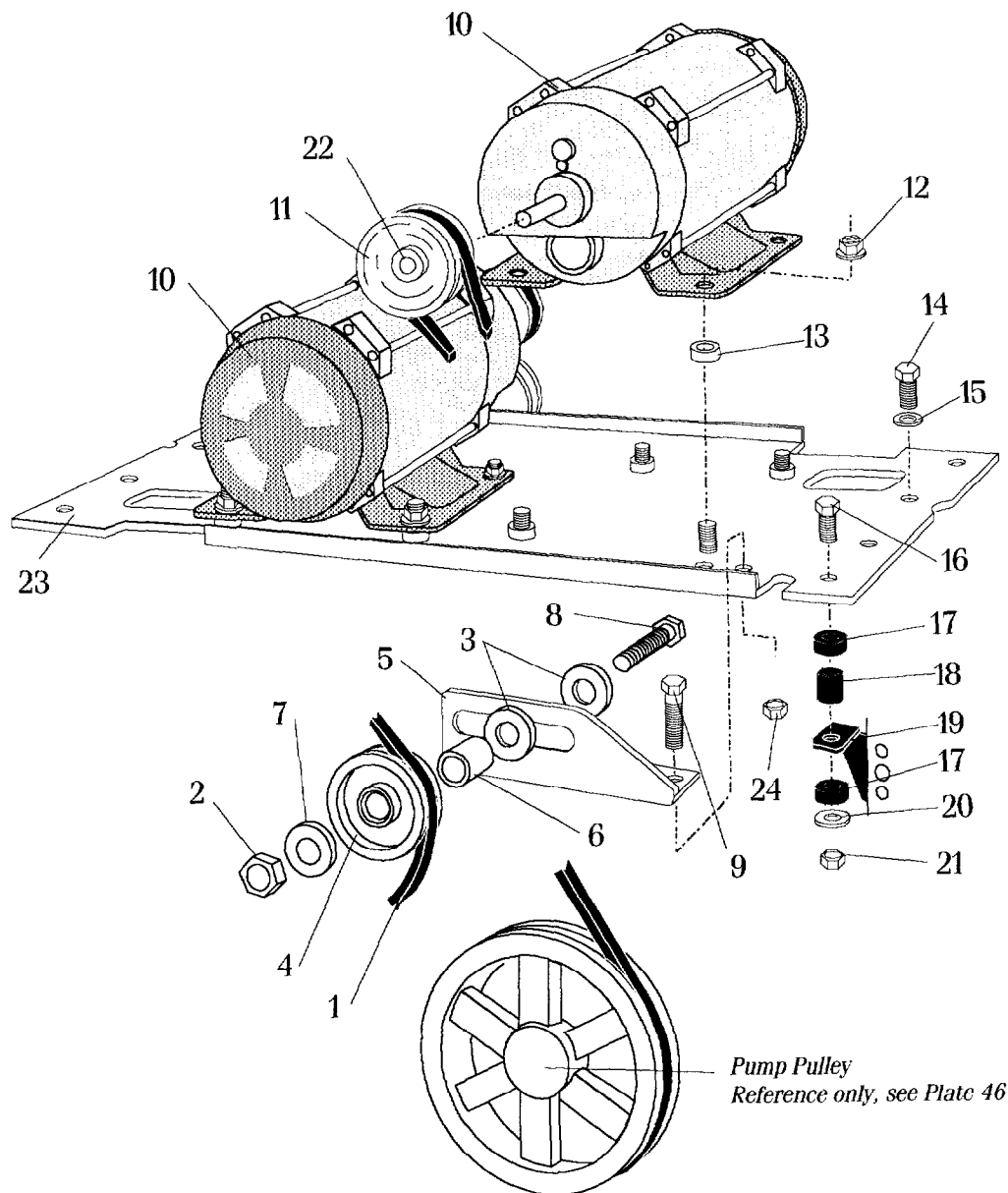
Item	Qty.	Part Number	Description
1	1	K01904	Bolt 3/8"-16 x 1-3/4"
2	1	K50775	Lockwasher 3/8"
3	2	K02206	Flatwasher 3/8"
4	1	R19322	Idler Bracket
5	6	Q11890-05	Nut 5/16"-18 (Hex Flange)
6	2	K45523	Bolt 5/16-18 x 7/8"
7	1	N18366-01	Idler Pulley
8	1	K01943	Nut 3/8"-16
9	1	R18900-25	Motor Pulley (50Cy, Single Pumps; 60Cy Dual One- Product Pumps)
		R18900-22	Motor Pulley (60Cy, Single Pumps)
10	1	R06711-47	Pulley Belt 30" (50Cy, Dual 1Prod. Pumps)
		R06711-52	Pulley Belt 29" (60Cy, Dual 1Prod. Pumps)
		R06711-38	Pulley Belt 31" (50/60Cy, Single Pumps)
11	1	Motors	
		R14212-02	1/3HP, 60Cy, 115/230VAC
		R14212-03	1/3HP, 50Cy, 115/230VAC
		R14212-04	1/3HP, 50Cy, 220/380VAC, 3 Phase
		R14212-06	1/2HP, 50Cy, 115/230VAC
		R14212-07	1/2HP, 50/60Cy, 115/230V
		R14212-13	1/3HP, 50Cy, 115/230VAC
		R14213-01	1/2HP, 60Cy, 115/230VAC, Continuous Duty
		R14213-02	1/2HP, 50Cy, 115/230VAC, Continuous Duty
		R14213-03	3/4HP, 60Cy, 115/230VAC, Continuous Duty
		R14213-05	3/4HP, 50Cy, 115/230VAC, Continuous Duty
		R14213-18	3/4HP, 50/60Cy, 220/380V, Continuous Duty, 3 Phase

Item	Qty.	Part Number	Description
11	1	Motors (Continued)	
		R14213-19	1/2HP, 50Cy, 220/380VAC, Continuous Duty, 3 Phase
		R14213-22	3/4HP, 50Cy, 110/220VAC, Continuous Duty
		R14214-02	1/3HP, 60Cy, 110/220VAC, On/Off Switch
		R14214-03	1/3HP, 50Cy, 110/220VAC, On/Off Switch
		R14214-04	1/2HP, 60Cy, 110/220VAC, On/Off Switch
		R14215-10	3/4HP, 60Cy, 115/230VAC, On/Off Switch
		R14215-11	3/4HP, 50Cy, 115/230VAC, On/Off Switch
12	4	K81348	Spacer 11/32" x 1" x 1/4"
13	4	K03239	Bolt 5/16"-18 x 1-1/2"
14	8	K83674	Shock Mounts
15	4	K83676	Spacer
16	2	N18282-01	Support Shelf (RH)
	2	N18282-02	Support Shelf (LH)
17	4	K02205	Flatwasher 5/16"
18	4	K01942	Nut 5/16"-18
19	4	K01909	Bolt 1/2"-13 x 1" (To attach pumping unit)
20	4	K02455	Lockwasher 1/2"
21	1	Q10982-01	Set Screw 5/16-18 x 3/8"
22	1	T07640-04	Pump and Motor Support (Dual One-Product)
	1	T07506-02	Pump and Motor Support (Single)
23	4	N16599-35	Flat Washer 5/16"
24	4	K83677-20	Stud 5/16-18 x 3/4"

Pump, Sump and Motor Assemblies

Plate 48

Motor Assembly- Dual Two-Product Pumps



Pump, Sump and Motor Assemblies

Motor Assembly- Dual Two-Product Pumps

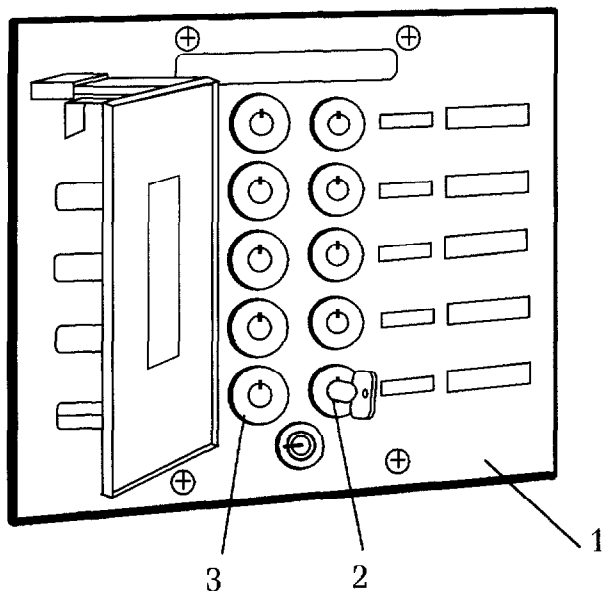
Item	Qty.	Part Number	Description
1	2	R06711-30	Pulley Belt 32-1/2" (60Cy)
	2	R06711-48	Pulley Belt 35" (50Cy)
2	2	K01943	Nut 3/8"-16
3	4	K02206	Flatwasher 3/8"
4	1	N18366-02	Idler Pulley
5	2	N20008	Idler Bracket
6	2	K73655-26	Spacer
7	2	K50775	Lockwasher 3/8"
8	2	K05350	Bolt 3/8"-16 x 2-1/4"
9	4	K45523	Bolt 5/16-18 x 7/8"
10	1	Motors	
		R14212-02	1/3HP, 60Cy, 115/230VAC
		R14212-03	1/3HP, 50Cy, 115/230VAC
		R14212-04	1/3HP, 50Cy, 220/380VAC, 3 Phase
		R14212-06	1/2HP, 50Cy, 115/230VAC
		R14212-07	1/2HP, 50/60Cy, 115/230V
		R14212-13	1/3HP, 50Cy, 115/230VAC
		R14213-01	1/2HP, 60Cy, 115/230VAC, Continuous Duty
		R14213-02	1/2HP, 50Cy, 115/230VAC, Continuous Duty
		R14213-03	3/4HP, 60Cy, 115/230VAC, Continuous Duty
		R14213-05	3/4HP, 50Cy, 115/230VAC, Continuous Duty
		R14213-18	3/4HP, 50/60Cy, 220/380V, Continuous Duty, 3 Phase
		R14213-19	1/2HP, 50Cy, 220/380VAC, Continuous Duty, 3 Phase
		R14213-22	3/4HP, 50Cy, 110/220VAC, Continuous Duty
		R14214-02	1/3HP, 60Cy, 110/220VAC, On/Off switch

Item	Qty.	Part Number	Description
10	1	Motors (Continued)	
		R14214-03	1/3HP, 50Cy, 110/220VAC, On/Off Switch
		R14214-04	1/2HP, 60Cy, 110/220VAC, On/Off Switch
		R14215-10	3/4HP, 60Cy, 115/230VAC, On/Off Switch
		R14215-11	3/4HP, 50Cy, 115/230VAC, On/Off Switch
11	2	R18900-25	Motor Pulley (50Cy)
		R18900-22	Motor Pulley (60Cy)
12	8	Q11890-05	Nut 5/16"-18, Hex Flange
13	8	K81348-22	Spacer 11/32" x 1" x 1/2"
14	4	K01909	Bolt 1/2"-13 x 1"
15	4	K02455	Lockwasher 1/2"
16	4	K03239	Bolt 5/16"-18 x 1-1/2"
17	8	K83674	Shock Mounts
18	4	K83676	Spacer
19	2	N18282-01	Support Shelf (RH)
	2	N18282-02	Support Shelf (LH)
20	4	N16599-35	Flatwasher 5/16"
21	4	K01942	Nut 5/16"-18
22	2	Q10982-01	Set Screw 5/16-18 x 3/8"
23	1	T07594-02	Pump and Motor Support
24	4	Q11890-05	Nut 5/16"

Optional Assemblies

Plate 49

Keytrol

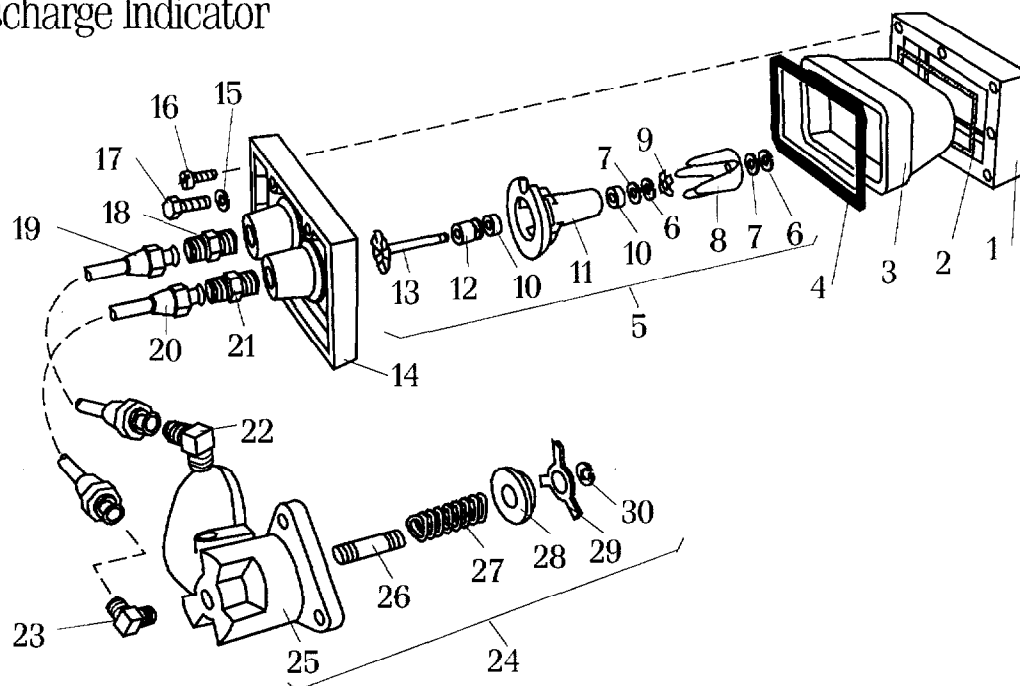


Item	Qty.	Part Number	Description
1	1	N19312-06	Complete Keytrol 6 Unit
	1	N19312-10	Complete Keytrol 10 Unit
	1	R13101-20	Complete Keytrol 20 Unit
2	-	K34084	Totalizer Lock Kit, RH (Contains all parts to add or replace a lock on right side)
3	-	K34085	Totalizer Lock Kit, LH (Contains all parts to add or replace a lock on left side)

Keys may be ordered through Chicago Lock Co.
Give serial number of keytrol unit when ordering.

Plate 50

Visible Discharge Indicator



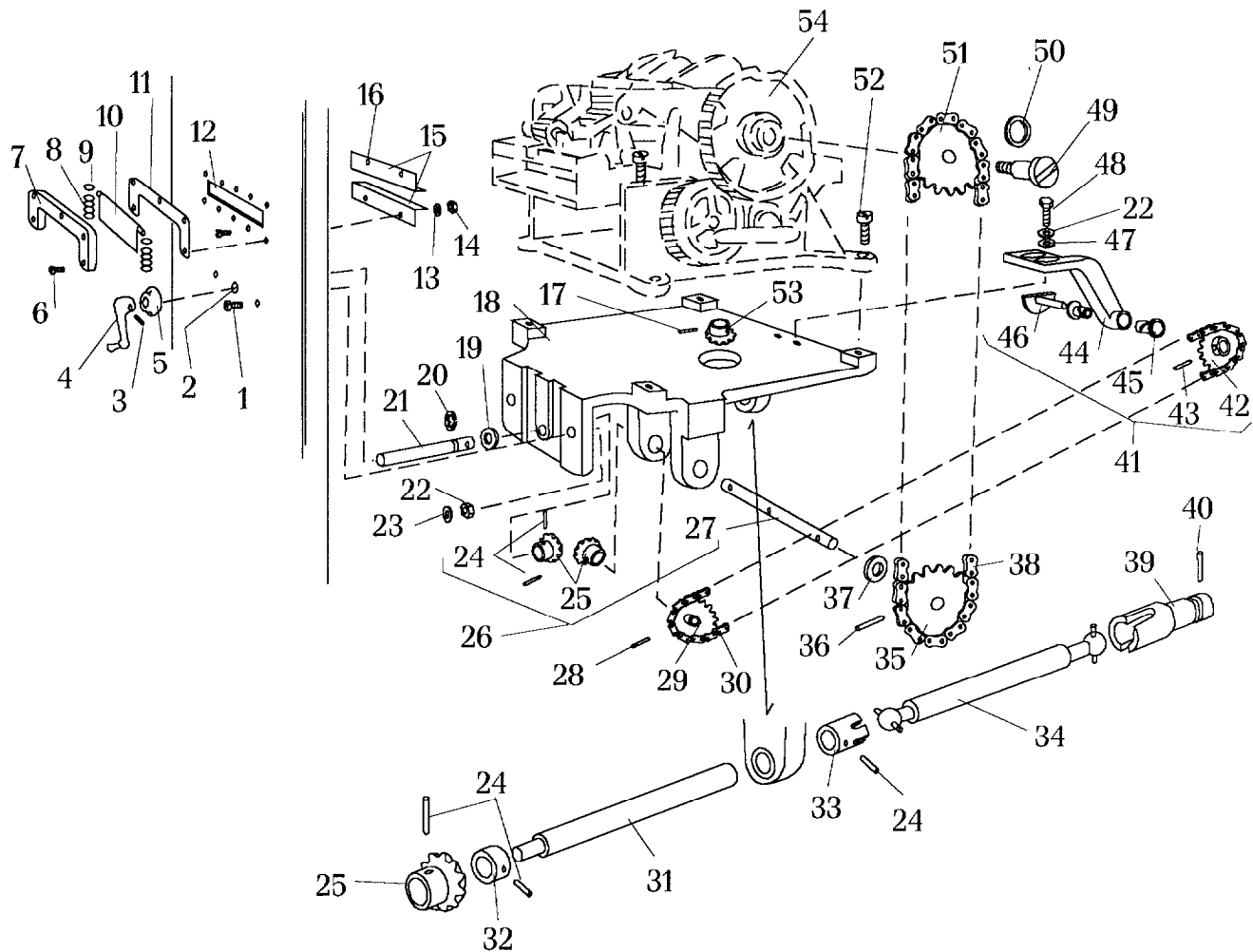
Item	Qty.	Part Number	Description
1	1	R12470-04	Clamp Ring
2	1	K85266	Glass Guard
3	1	N18406	VDI Glass
4	1	K85265	Gasket
5	1	K85221	Body and Spinner Assy. (Includes 6-13)
6	2	K82468-21	Retaining Ring
7	3	K83350	Thrust Washer
8	1	K85220-01	Spinner
9	1	K83339-20	Shakeproof Spring Washer
10	2	K82235	Shaft Impeller Bearing
11	1	N18402-02	Spinner Body
12	1	K82527-01	Spacer 1/4"
13	1	K83337-23	Shaft and Impeller Assy.
14	1	R12466-07	Visiguage Body
15	2	K50773	Lockwasher 1/4"
16	8	Q10033-56	Clamp Cap Screw 0-24 x 5/8"

Item	Qty.	Part Number	Description
17	2	K14830	Bolt 1/4-20 x 5/8"
18	1	Q10008-13	Outlet Fitting 3/8" straight
19	1	N18452-02	Outlet Tube Assy.
20	1	R13529	Inlet Tube Assy.
21	1	Q10008-09	Inlet Fitting 5/16"
22	1	Q10001-12	Outlet Tube Fitting (Elbow 5/16" x 90 deg.)
23	1	Q10001-08	Inlet Tube Fitting (Elbow 5/16" x 90 deg.)
24	1	N18598-01	Fitting and Stem Assy. (Includes 25-30)
25	1	R12381-16	Pressure Discharge Fitting
26	1	K85655	Stem
27	1	K82288	Valve Spring
28	1	K82234	Pressure Plunger
29	1	K82232	Valve Stem Guide
30	1	K82468-31	Retaining Ring 3/8"

Optional Assemblies

Plate 51

Ticket Printer



Ticket Printer

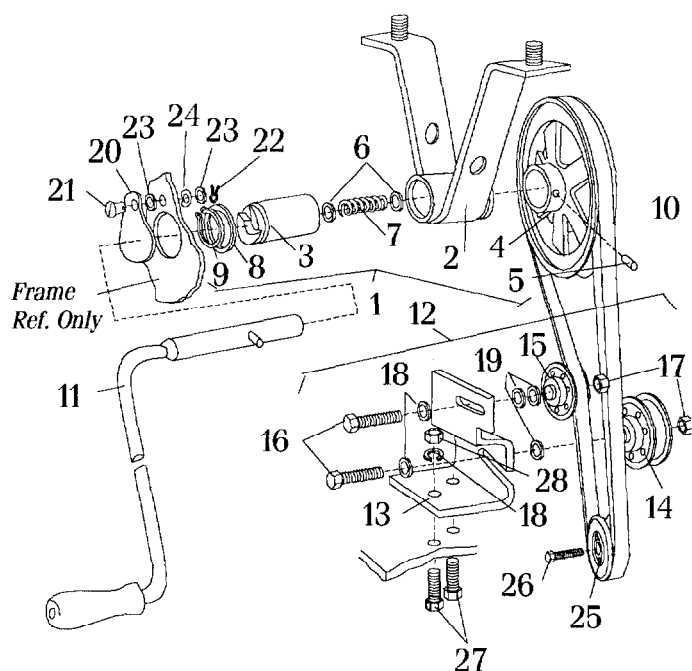
Item	Qty.	Part Number	Description
1	2	K14839B	Carriage Bolt 5/16-18 x 1"
2	1	K60860-38	Button Plug
3	1	K47052	Pin
4	1	K56802	Reset Crank
5	1	K49686	Shield and Bearings
6	5	K81666-21	Bezel Screw 6-32 x 1/2"
7	1	N23029-G1	Bezel Assy.
8	2	K82331	Cover Spring
9	2	K65952-21	Cover Spring Balls
10	1	K82332	Cover
11	1	K82333	Ticket Printer Gasket
12	2	K74749	Screw 6-32 x 3/8"
13	2	K22804	Lockwasher
14	2	K10167	Nut #6-32
15	2	K84314-04	Ticket Deflector
16	2	Q10043-21	Screw 6-32 x 1/4"
17	1	K06083-20	Set Screw 6-32 x 1/4"
18	1	R12543-01	Bracket and Bearing Assy.
19	1	k02206	Washer 3/8"
20	1	K82468-31	Snap Ring
21	1	K82402-01	Crankshaft (drilled)
22	4	K50774	Lockwasher 5/16"
23	2	K10942	Nut 5/16-18
24	4	K78378-28	Roll Pin 3/32" x 5/8"
25	3	K82399-21	Gear (drilled 3/32" deep)
25a	3	K82399-25	Gear (drilled through)
26	1	K85948	Gear and Shaft Assy. (Includes 24, 25, 27)
26a	1	K85948-01	Gear and Shaft Assy. (Includes 24, 25a, 27)
27	1	K85475-01	Shaft (drilled through)

Item	Qty.	Part Number	Description
28	1	K78378-53	Roll Pin 3/32" x 9/16"
29	1	K88105-03	Countershaft Sprocket (10 teeth, drilled)
30	1	K82404-20	Interlock Drive Chain
31	1	K85487-01	Drive Shaft (drilled through)
32	1	K85485-01	Drive Shaft Collar (drilled)
33	1	K82396-01	Drive Shaft Coupling (drilled through)
34	1	K85477-02	Computer Drive Link Assy.
35	1	K88102-23	Lower Chain Sprocket (With set screw)
36	1	K57826	Groove Pin 11/32" x 1"
37	1	K74354	Washer
38	1	K82404-22	Drive Chain
39	1	K85476	Computer Drive Coupling
40	1	K30150	Groove Pin 5/64" x 1/2"
41	1	K88107	Interlock Assy. (Includes 42-46)
42	1	K88106-02	Sprocket (drilled through)
43	1	K78378-55	Roll Pin 3/32" x 1-1/8"
44	1	N18643-10	Bracket
45	2	K80567-25	Nyliner
46	1	K85739-01	Timing Stop Assy. (drilled for pin)
47	2	K02205	Washer
48	2	K45523	Bolt 5/16-18 x 7/8"
49	1	K82418	Upper Chain Sprocket
50	1	K02206	Washer
51	1	K88110	Upper Chain Sprocket
52	4	Q10033-69	Screw 1/4-20 x 3/4"
53	1	K82399-24	Drive Gear
54	1	R15712-09	Ticket Printer ("0" Start)
		R15712-05	Ticket Printer (Accumulative)

Optional Assemblies

Plate 52

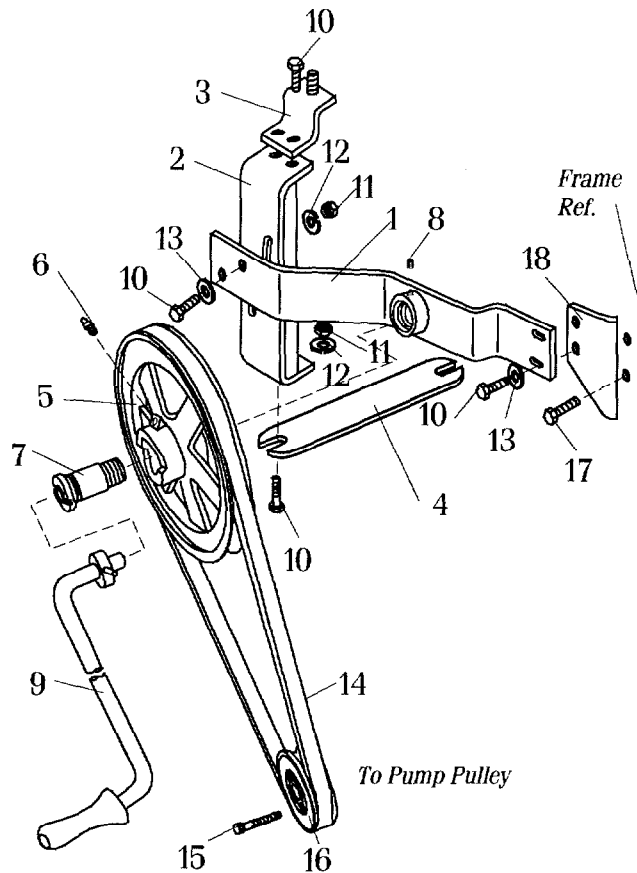
Hand Drive - Single Pumps, 21" Frames



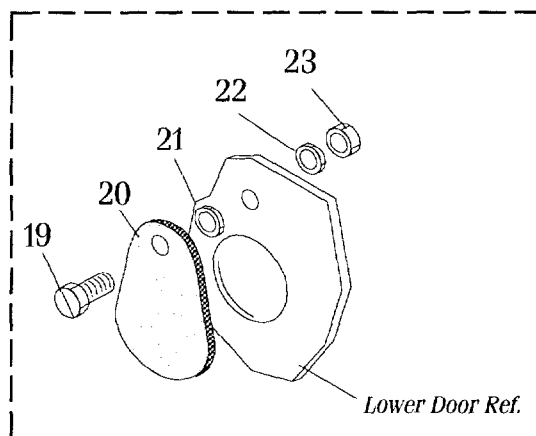
Item	Qty.	Part Number	Description
1	1	R12504	Pulley and Bracket Assy. (Includes 2-9)
2	1	R12501	Bracket and Barrel Assy.
3	1	N18450-01	Sleeve (drilled)
4	1	R12503-01	Pulley (drilled)
5	1	K42757-27	Groove Pin 1/4" x 1-3/4"
6	2	K66314	Washer
7	1	K85077-03	Spring
8	1	K63708	Washer
9	1	K74051	Retaining Ring
10	1	R06711-43	Belt 51-1/2"
11	1	N18451	Crank Assy.
12	1	N20001	Idler Assy. (Includes 13-19)
13	1	R13779	Bracket
14	1	N18366-01	Pulley Assy. (large)
15	1	N18366-02	Idler Pulley Assy. (small)
16	2	K01904	Bolt 3/8-16 x 1-3/4"
17	2	K01943	Nut 3/8-16
18	2	K50775	Lockwasher 3/8"
19	4	K02206	Washer
20	1	K85352-01	Hand Drive Cover
21	1	K85403	Stud
22	1	K02125	Cotter Pin
23	1	K65610	Washer
24	1	K81856-22	Washer (Bowed)
25	1	K78492-21	Hand Drive Pulley
26	2	Q10033-73	Bolt 1/4-20 x 1-1/2"
27	2	K45523	Bolt 5/16-18 x 7/8"
28	2	K01942	Nut

Plate 53

Hand Drive -Dual Pumps, 27" Frames



Hand Drive Cover Assembly



Item	Qty.	Part Number	Description
1	1	N18760	Hub and Strap Assy.
2	1	N18501	Hanger Bracket
3	1	K85461-01	Hanger Stap Assy.
4	1	K85470	Cross Support
5	1	R12553-01	Pulley Assy.
6	1	K76145-21	Grease Fitting
7	1	K85561	Stud
8	1	K18719	Set Screw 5/16-18 x 3/4"
9	1	N18539	Crank Assy.
10	1	K05291	Bolt 5/16-18 x 3/4"
11	2	K01942	Nut 5/16"
12	10	K50774	Lockwasher 5/16"
13	4	K02205	Washer
14	1	K30259	Belt 46"
15	2	Q10033-73	Bolt 1/4-20 x 1-1/2" (50cy)
	2	Q10033-74	Bolt 1/4-20 x 1-3/4" (60cy)
16	1	K78492-21	Pulley
17	4	K83677-20	Stud 5/16-18 x 3/4"
18	1	K85462	Support
19	1	K66844-39	Screw 3/18-16 x 1/2"
20	1	K85716	Hand Drive Cover
21	1	K65610	Washer 3/8"
22	1	K81856-22	Washer 3/8"
23	1	Q10218-07	Stop Nut 3/8-16

