

PARTS

Vista 399 Series
Multigrade
Quadro[®]
Dispensers

Wayne

DRESSER

Vista 399 Series Multigrade Quadro[®] Dispensers Parts Manual

This manual only lists parts for dispenser assemblies which are unique to this dispenser series. For parts lists of dispenser sub-assemblies which are common to various Vista models, refer to the manual “Vista Blending and Non-Blending Dispensers Shared Assemblies” (Part No. 917506).

HOW TO USE PARTS LIST TO ORDER PARTS

The reference numbers shown on the illustrations are intended only to locate the part and its number and description in the accompanying list of parts. When ordering parts, give the part number, description of the part, and the quantity desired. **Do not order parts by reference number.** All warranty parts are to be ordered through local distributors.

For Request for Service:

1-800-AT-WAYNE
or
1-800-289-2963

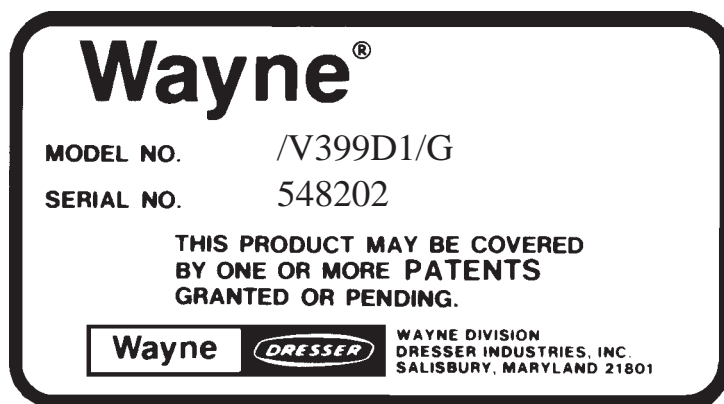
For Technical Services or to Close Calls:

1-800-926-3737

For Service Parts or Service Parts Warranty:

1-410-546-6672

To insure correct and prompt delivery of parts, furnish the model, serial number and any existing code number on the dispenser serial plate, a sample of which is shown.



Note: The Model and Serial No. above are examples only.

Note:

When ordering parts with particular company specifications such as doors, advertising panels and dial faces, please call our Service Parts Department at (410-546-6672) with specific dispenser model number.

HOW TO USE PARTS MANUALS TO LOCATE PARTS

1. Locate your model number in the table of contents.
2. Locate the corresponding final assembly number and turn to the indicated page.
3. Look for the location of part needed on the final assembly figure.
4. Use the circled reference number to find specific part number in the associated table of parts.
5. If the table refers you to Shared Assembly Manual #917506, you must look in that manual to obtain a more complete breakdown of parts.

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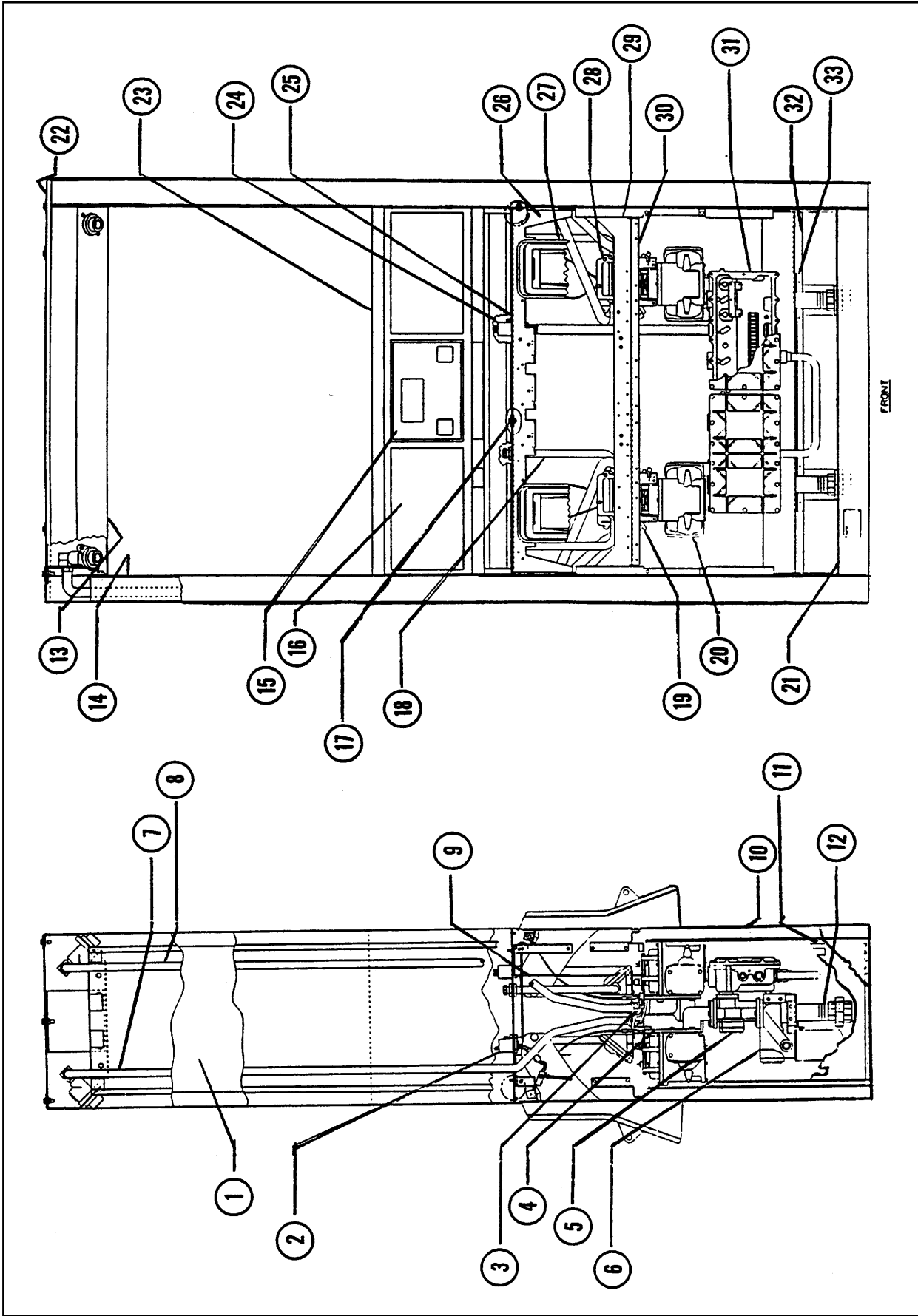


Figure 1. Final Assembly 1 thru 4-45394 V399D1 & D3 /GP & G

Table 1. Final Assembly 1 thru 4-45394 /V399D1 & D3 /GP & G

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
/V399D1/GP is Final Assembly 1-45394 /V399D3/GP is Final Assembly 2-45394 /V399D1/G is Final Assembly 3-45394 /V399D3/G is Final Assembly 4-45394				10	7-47478-0W7	2	Door
					128993	4	Button Head Dart
					127417	2	Lock
					4-129642	2	Latch
1	47400	2	Outer-Sheath column		201761	4	Channel-Door
	918291	8	PH.P.H. screw #8 x 1/2	11	2-45352	2	Column
	918540	8	Thread insert	12	5-127756	2	Nipple 1-1/2
2	39782	1	Cover-Intrinsic safe barrier		512101	2	Union 1-1/2
	513161	2	SL.H.W.H. screw #8 x 3/8	13	(See Shared Assemblies manual 917506)		
	3-39792	1	Ass'y-Potted wire harness		4-47372-J21	1	Ass'y-Top plate chassis
	3-126817	1	Flatwasher		918161	4	Caged nut 5/16-18
	2-129498	1	Conduit locknut 1/2		507054	8	H.H.C. screw 5/16-18 x 1"
	918066	1	Mounting clamp		902017	8	Lockwasher 5/16
3	918224	4	Straight connector 7/8 x 3/4		509584	8	Hex nut 5/16-18
4	(See Shared Assemblies manual 917506)				39958	2	Support-Lift bracket
	37-39786	2	Ass'y-Meter support & tot. (LF & RR)	14	1-47545-J21	2	Sheath-Inner column
	38-39786	2	Ass'y-Meter support & tot. (LR & RF)		918291	14	PH.P.H. screw #8 x 1/2
	511096	12	H.H.C. screw 5/16-18 x 7/8		918540	14	Thread insert
	916760	8	H.H. screw #8 x 1/2	15	2-300113-J21	2	Ass'y-Dial face (1 and 3-45394 only)
5	(See Shared Assemblies manual 917506)				2-300114-J21	2	Ass'y-Dial face (2 and 4-45394 only)
	1-47576	4	Ass'y-Diaphragm valve		916907	8	P.H.P.H. screw #6-32 x 5/16
	511096	12	H.H.C. screw 5/16-18 x 7/8	16	(See Shared Assemblies manual 917506)		
	916695	8	Taptite screw 1/4-20 x 7/8		1-47562-J21	2	Ass'y-Bezel (1-45394 only)
	918237	4	"O" Ring		2-47562-J21	2	Ass'y-Bezel (2-45394 only)
	108380	4	Gasket		4-47562-J21	2	Ass'y-Bezel (3-45394 only)
6	(See Shared Assemblies manual 917506)				5-47562-J21	2	Ass'y-Bezel (4-45394 only)
	4-39656	2	Ass'y-Strainer		A47475-J21	4	Panel-Blank
	507053	4	H.H.C. screw 5/16-18 x 5/8		916546	12	Plascrew #8 x 5/8
	902017	4	Lockwasher 5/16	17	507053	6	H.H.C. screw 5/16-18 x 5/8
	907407	2	Filter		1-916931	12	Flatwasher
7	47397	2	Ass'y-Tube (RF & LR)		4-916931	6	Flatwasher
	129762	4	Washer-Flare		511883	6	Stop nut 5/16-18
8	47394	2	Ass'y-Tube (LF & RR)	18	5-46698	4	Ass'y-Conduit-Pulser
	129762	4	Washer-Flare		126817	8	Flatwasher
9	3-201751	4	Bracket-Flex drive		129498	8	Conduit locknut 1/2
	916571	4	Bearing-Flange (nylon)		907121	4	End bushing
	512795	4	Taptite #10 x 3/8				

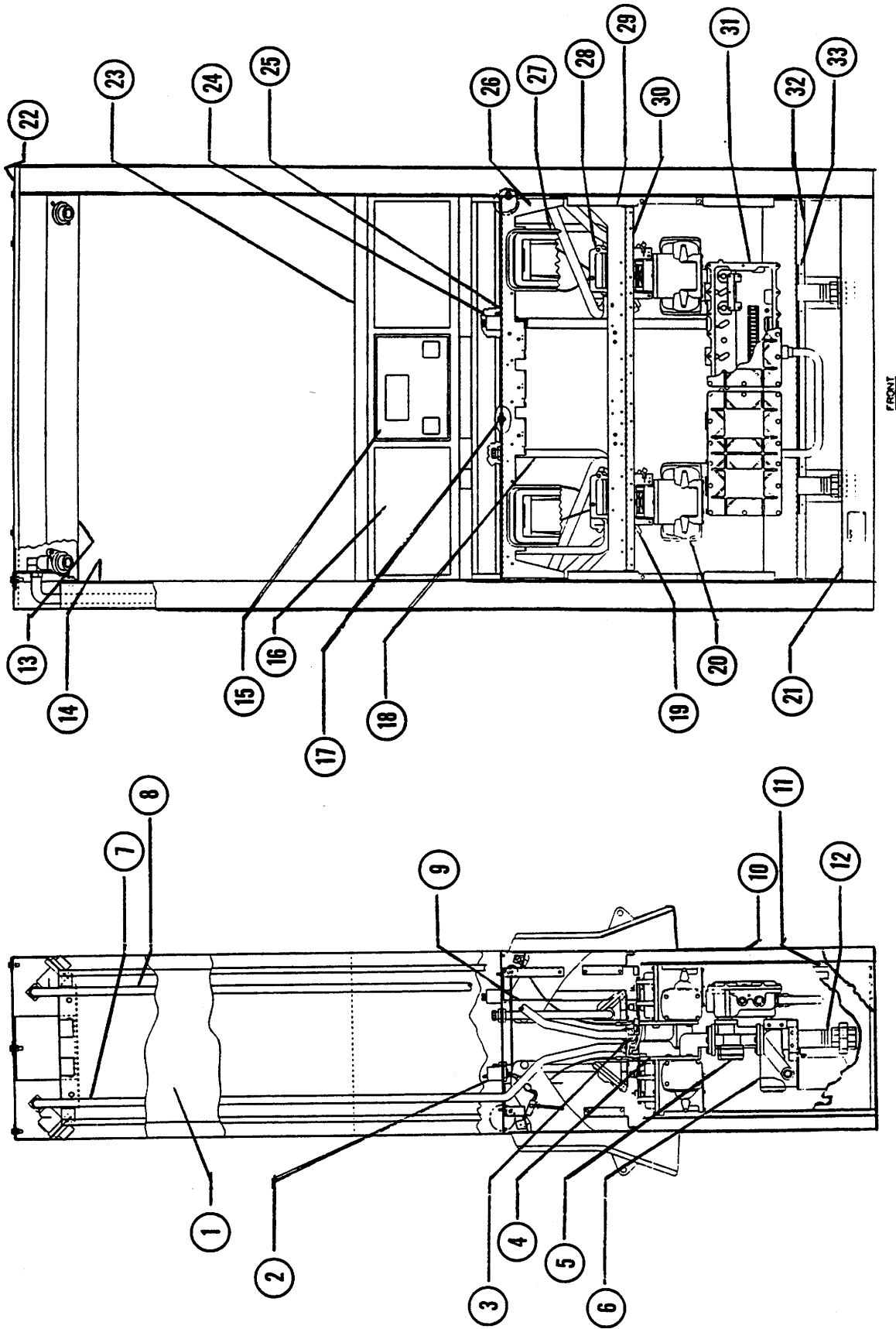


Figure 1. Cont'd. Final Assembly 1 thru 4-45394 /N399D1 & D3 /GP & G

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Table 1. Cont'd. Final Assembly 1 thru 4-45394 /V399D1 & D3 /GP & G

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
19	201755	2	Bracket-Meter support	902017		8	Lockwasher 5/16
	513317	2	Tensilock nut 1/4-20	509584		8	Hex nut 5/16-18
	507295	2	H.H.C. screw 1/4-20 x 3/4	507284		8	H.H.C. screw 5/16-18 x 3/4
	512795	2	Taptite #10 x 3/8	129732		2	Gasket
20	(See Shared Assemblies manual 917506)			26	47594	2	Support-Vapor barrier
	23-39310	4	Ass'y-Meter	507284		8	H.H.C. screw 5/16-18 x 3/4
	300314	4	Ass'y.-Chk. & P.R. valve	902017		8	Lockwasher 5/16
	120722	4	"O" ring-Inlet	509584		8	Hex nut 5/16-18
	120723	4	"O" ring-Discharge				
	511096	14	H.H.C. screw 5/16-18 x 7/8	27	(See Shared Assemblies manual 917506)		
	511748	2	H.H.C. screw 5/16-18 x 2-1/2	1-47407		4	Ass'y-Nozzle boot
				47377		4	Collar-Nozzle boot
21	47386-J21	2	Base half	916695		8	Taptite screw 1/4-20 x 7/8
	902017	12	Lockwasher 5/16	905245		8	Flatwasher 1/4
	509584	12	Hex nut 5/16-18				
	507284	12	H.H.C. screw 5/16-18 x 3/4	28	(See Shared Assemblies manual 917506)		
				25-39348		4	Ass'y-Pulser
22	47412-J21	1	Cover-Dispenser top	507254		4	H.H.C. screw 1/4-20 x 1/2
	511096	4	H.H.C. screw 5/16-18 x 7/8	2-39790		4	Bracket
	916900	4	Seal washer 5/16	916636		8	Taptite screw 1/4-20 x 1/2
	511781	6	Flatwasher 7/16	904438		8	Lockwasher
	2-916900	2	Seal washer 3/8				
	507056	2	H.H.C. screw 3/8-16 x 1"	29	47399	4	Door stop
					918291	12	PH.P.H. screw #8 x 1/2
23	(See Shared Assemblies manual 917506)				5-129818	8	Gasket
	5-47540	1	Ass'y-Elect. head	30	47592	2	Support-Nozzle boot
	905245	4	Flatwasher 1/4	507284		8	H.H.C. screw 5/16-18 x 3/4
	918210	4	Stop nut 1/4-20	902017		8	Lockwasher 5/16
	3-47114	2	Ass'y-Wire harness (DC)	918161		8	Caged nut 5/16-18
	918066	2	Mounting clamp				
	(1 and 3-45394 only)			31	(See Shared Assemblies manual 917506)		
	881647-004	1	Disp. Elect. Module (F)	5-39804		1	Ass'y-Junction box (RH)
	881647-005	1	Disp. Elect. Module (R)	6-39804		1	Ass'y-Junction box (LH)
	(2 and 4-45394 only)			39778		2	Cover-Junction box
	881645-004	1	Disp. Elect. Module (F)	3-916695		28	Taptite screw 1/4-20 x 7/8
	881645-005	1	Disp. Elect. Module (R)	916636		4	Taptite screw 1/4-20 x 1/2
24	38-39785	1	Ass'y-Potted wire harness	916591		1	Screw #10-32 x 3/8
	507868	2	Hex nut #8-32	916877		1	Cup washer #10
	916736	2	Lockwasher #8	913824		2	Closed End Splice
	918137	2	P.H.P.H. screw #8-32 x 1/2				
	129710	1	Coupling	32	39791	1	Platform-Strainer
	512724	1	Conduit locknut 3/4	507284		8	H.H.C. screw 5/16-18 x 3/4
	47104	1	Conduit-Junction Box	902017		8	Lockwasher 5/16
	3-126817	1	Flatwasher	509584		8	Hex nut 5/16-18
25	6-47593	1	Ass'y-Vapor barrier	33	39794	1	Stiffener-Platform
	39781	1	Ground plate		512795	6	Taptite #10 x 3/8

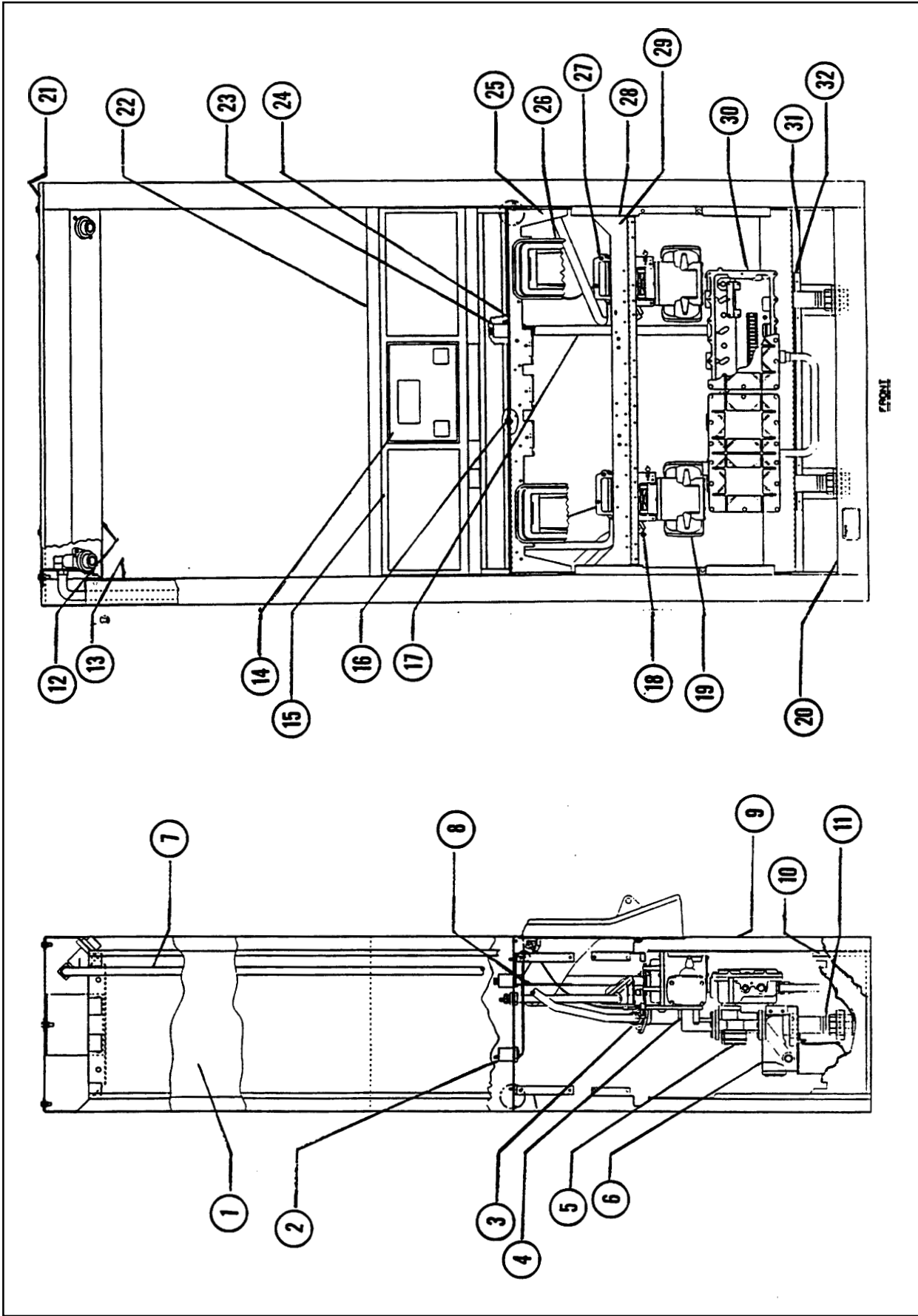


Figure 2. Final Assembly 5 thru 8-45394 /V399D1 & D3 /GPR & GR

Table 2. Final Assembly 5 thru 8-45394 /V399D1 & D3 /GPR & GR

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399D1/GPR is Final Assembly 5-45394				127417	2	Lock
	/V399D3/GPR is Final Assembly 6-45394				4-129642	2	Latch
	/V399D1/GR is Final Assembly 7-45394				201761	2	Channel-Door
	/V399D3/GR is Final Assembly 8-45394						
1	47400	2	Outer-Sheath column	10	2-45352	2	Column
	918291	8	PH.P.H. screw #8 x 1/2	11	5-127756	2	Nipple 1-1/2
	918590	8	Thread insert		512101	2	Union 1-1/2
2	39782	1	Cover-Intrinsic safe barrier	12	(See Shared Assemblies manual 917506)		
	513161	2	SL.H.W.H. screw #8 x 3/8		5-47372-J21	1	Ass'y-Top plate chassis
	5-39792	1	Ass'y-Potted wire harness		918161	4	Caged nut 5/16-18
	3-126817	1	Flatwasher		507054	8	H.H.C. screw 5/16-18 x 1"
	2-129498	1	Conduit locknut 1/2		902017	8	Lockwasher 5/16
	918066	1	Mounting clamp		509584	8	Hex nut 5/16-18
3	918224	2	Straight connector 3/4		39958	2	Support-Lift bracket
4	(See Shared Assemblies manual 917506)			13	1-47545-J21	2	Sheath-Inner column
	37-39786	1	Ass'y-Meter support & tot. (LF)		918291	14	PH.P.H. screw #8 x 1/2
	38-39786	1	Ass'y-Meter support & tot. (RF)		918590	14	Thread insert
	511096	6	H.H.C. screw 5/16-18 x 7/8	14	2-300113-J21	1	Ass'y-Dial face (5 and 7-45394 only)
	916760	4	H.H. screw #8 x 1/2		2-300114-J21	1	Ass'y-Dial face (6 and 8-45394 only)
5	(See Shared Assemblies manual 917506)				916907	4	P.H.P.H. screw #6-32 x 5/16
	1-47576	2	Ass'y-Diaphragm valve	15	(See Shared Assemblies manual 917506)		
	511096	6	H.H.C. screw 5/16-18 x 7/8		1-47562-J21	1	Ass'y-Bezel (5-45394 only)
	916695	4	Taptite screw 1/4-20 x 7/8		2-47562-J21	1	Ass'y-Bezel (6-45394 only)
	918237	2	"O" Ring		4-47562-J21	1	Ass'y-Bezel (7-45394 only)
	108380	2	Gasket		5-47562-J21	1	Ass'y-Bezel (8-45394 only)
6	(See Shared Assemblies manual 917506)				1-47429-J21	1	Ass'y-Bezel (R)
	4-39656	2	Ass'y-Strainer		A47475-J21	4	Panel-Blank
	507053	4	H.H.C. screw 5/16-18 x 5/8		916546	12	Plascrew #8 x 5/8
	902017	4	Lockwasher 5/16	16	507053	8	H.H.C. screw 5/16-18 x 5/8
	907407	2	Filter		1-916931	6	Flatwasher
	2-28791	2	Cover		4-916931	8	Flatwasher
	108380	2	Gasket		511883	8	Stop nut 5/16-18
	511096	6	H.H.C. screw 5/16-18 x 7/8	17	5-46698	2	Ass'y-Conduit-Pulser
7	47397	1	Ass'y-Tube (RF)		126817	4	Flatwasher
	129762	4	Washer-Flare		129498	4	Conduit locknut 1/2
	47394	1	Ass'y-Tube (LF)		907121	2	End bushing
8	3-201751	2	Bracket-Flex drive	18	201755	2	Bracket-Meter support
	916571	2	Bearing-Flange (nylon)		513317	2	Tensilock nut 1/4-20
	512795	2	Taptite #10 x 38		507295	2	H.H.C. screw 1/4-20 x 3/4
9	7-47478-0W7	1	Door		512795	2	Taptite #10 x 3/8
	2-47478-0W7	1	Door				
	128993	4	Button Head Dart				

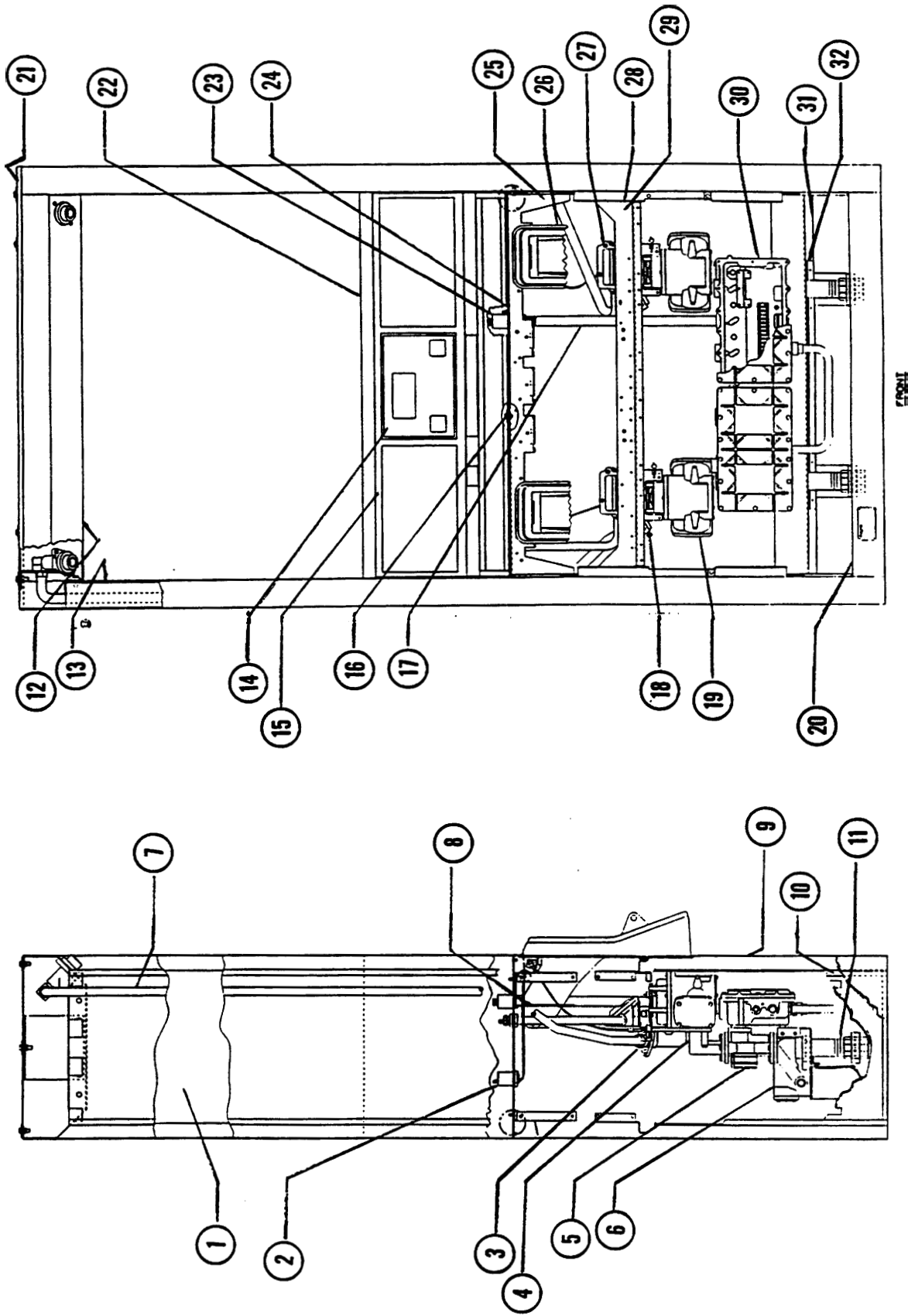


Figure 2. Cont'd. Final Assembly 5 thru 8-45394 /N399D1 & D3 /GPR & GR

August 1994

Part No. 917487 Rev E

Table 2. Cont'd. Final Assembly 5 thru 8-45394 /V399D1 & D3 /GPR & GR

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
19	(See Shared Assemblies manual 917506)			26	(See Shared Assemblies manual 917506)		
	23-39310	2	Ass'y-Meter		1-47407	2	Ass'y-Nozzle boot
	300314	2	Ass'y.-Chk. & P.R. valve		47377	2	Collar-Nozzle boot
	120722	2	"O" ring-Inlet		916695	4	Taptite screw 1/4-20 x 7/8
	120723	2	"O" ring-Discharge		905245	4	Flatwasher 1/4
	511096	7	H.H.C. screw 5/16-18 x 7/8	27	(See Shared Assemblies manual 917506)		
	511748	1	H.H.C. screw 5/16-18 x 2-1/2		25-39348	2	Ass'y-Pulser
20	47386-J21	2	Base half		507254	2	H.H.C. screw 1/4-20 x 1/2
	902017	12	Lockwasher 5/16		2-39790	2	Bracket
	509584	12	Hex nut 5/16-18		916636	4	Taptite screw 1/4-20 x 1/2
	507284	12	H.H.C. screw 5/16-18 x 3/4		904438	4	Lockwasher 1/4
21	47412-J21	1	Cover-Dispenser top	28	47399	4	Door stop
	511096	4	H.H.C. screw 5/16-18 x 7/8		918291	12	P.H.P.H. screw #8 x 1/2
	916900	4	Seal washer 5/16		5-129818	8	Gasket
	511781	6	Flatwasher 7/16	29	47592	2	Support-Nozzle boot
	2-916900	2	Seal washer 3/8		507284	8	H.H.C. screw 5/16-18 x 3/4
	507056	2	H.H.C. screw 3/8-16 x 1"		902017	8	Lockwasher 5/16
22	(See Shared Assemblies manual 917506)				918161	8	Caged nut 5/16-18
	6-47540	1	Ass'y-Elect. head	30	(See Shared Assemblies manual 917506)		
	905245	8	Flatwasher 1/4		9-39804	1	Ass'y-Junction box (RH)
	918210	8	Stop nut 1/4-20		4-39804	1	Ass'y-Junction box (LH)
	3-47114	1	Ass'y-Wire harness (DC)		39778	2	Cover-Junction box
	918066	1	Mounting clamp		3-916695	28	Taptite screw 1/4-20 x 7/8
	(5 and 7-45394 only)				916636	4	Taptite screw 1/4-20 x 1/2
	881647-004	1	Disp. Elect. Module		916591	1	Screw #10-32 x 3/8
	(6 and 8-45394 only)				916877	1	Cup washer #10
	881645-004	1	Disp. Elect. Module		913824	2	Closed End Splice
23	39-39785	1	Ass'y-Potted wire harness	31	39791	1	Platform-Strainer
	507868	1	Hex nut #8-32		507284	8	H.H.C. screw 5/16-18 x 3/4
	916736	1	Lockwasher #8		902017	8	Lockwasher 5/16
	918137	1	P.H.P.H. screw #8-32 x 1/2		509584	8	Hex nut 5/16-18
	129710	1	Coupling	32	39794	1	Stiffener-Platform
	512724	1	Conduit locknut 3/4		512795	6	Taptite #10 x 3/8
	47104	1	Conduit-Junction box				
	3-126817	1	Flatwasher				
24	6-47593	1	Ass'y-Vapor barrier				
	39781	1	Ground plate				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	129732	2	Gasket				
25	47594	2	Support-Vapor barrier				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				

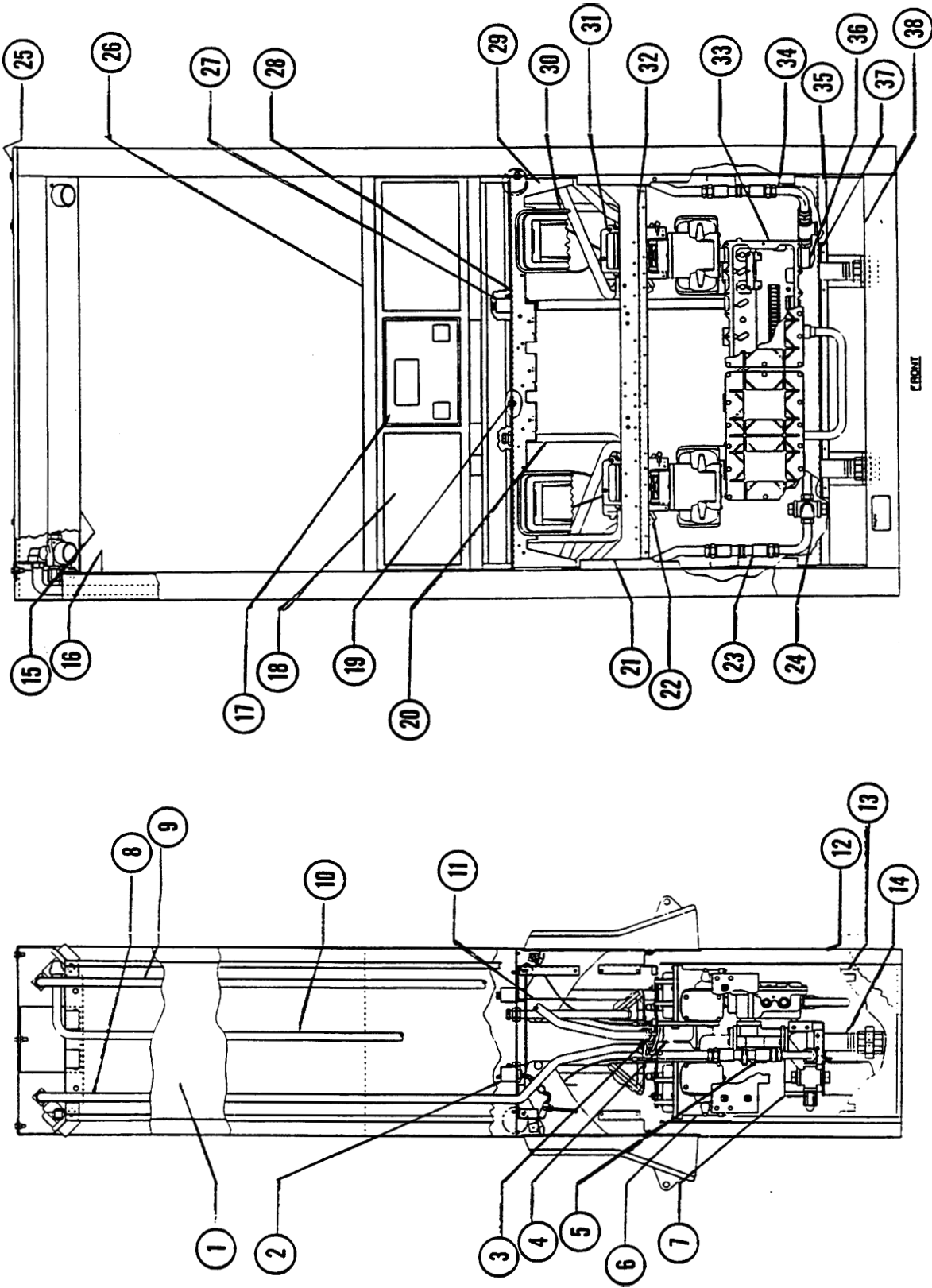


Figure 3. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

Table 3. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399D1/GPQ is Final Assembly 1-45483				902017	6	Lockwasher 1/4
	/V399D3/GPQ is Final Assembly 2-45483				509584	6	Hex nut 5/16-18
	/V399D1/GQ is Final Assembly 3-45483				507182	2	H.H.C.S. 1/4-20 x 5/8
	/V399D3/GQ is Final Assembly 4-45483				902016	2	Lockwasher 1/4
					507827	2	Nut 1/4-20
1	47400	2	Outer-Sheath column				
	918291	8	PH.P.H. screw #8 x 1/2	9	47397	2	Ass'y-Tube (RF & LR)
	918590	8	Thread insert		129762	4	Washer-Flare
2	39782	1	Cover-Intrinsic safe barrier	10	47394	2	Ass'y-Tube (LF & RR)
	513161	2	SL.H.W.H. screw #8 x 3/8		129762	4	Washer-Flare
	3-39792	1	Ass'y-Potted wire harness				
	3-126817	1	Flatwasher	11	300337	1	Ass'y-Tube-Vapor return (R)
	2-129498	1	Locknut-Conduit		300336	1	Ass'y-Tube-Vapor return (F)
	918066	1	Mounting clamp		129762	4	Washer-Flare
3	918224	4	Straight connector 7/8 x 3/4	12	3-201751	4	Bracket-Flex drive
4	(See Shared Assemblies manual 917506)				916571	4	Bearing-Flange (nylon)
	37-39786	2	Ass'y-Meter support & tot. (LF & RR)		512795	4	Taptite #10 x 3/8
	38-39786	2	Ass'y-Meter support & tot. (LR & RF)	13	7-47478-0W7	2	Door
	511096	12	H.H.C. screw 5/16-18 x 7/8		128993	4	Button Head Dart
	916760	8	H.W.H. screw #8 x 1/2		127417	2	Lock
					4-129642	2	Latch
					201761	4	Channel-Door
5	(See Shared Assemblies manual 917506)			14	2-45352	2	Column
	1-47576	4	Ass'y-Diaphragm valve	15	5-127756	2	Nipple 1-1/2
	511096	12	H.H.C. screw 5/16-18 x 7/8		512101	2	Union 1-1/2
	916695	8	Taptite screw 1/4-20 x 7/8				
	918237	4	"O" Ring	16	(See Shared Assemblies manual 917506)		
	108380	4	Gasket		50-47372-J21	1	Ass'y-Top plate chassis
6	(See Shared Assemblies manual 917506)				918161	4	Caged nut 5/16-18
	23-39310	4	Ass'y-Meter		507054	8	H.H.C. screw 5/16-18 x 1"
	300314	4	Ass'y.-Chk. & P.R. valve		902017	8	Lockwasher 5/16
	120722	4	"O" ring-Inlet		509584	8	Hex nut 5/16-18
	120723	4	"O" ring-Discharge		39958	2	Support-Lift bracket
	511096	14	H.H.C. screw 5/16-18 x 7/8	17	1-47545-J21	2	Sheath-Inner column
	511748	2	H.H.C. screw 5/16-18 x 2-1/2		918291	14	PH.P.H. screw #8 x 1/2
7	(See Shared Assemblies manual 917506)				918590	14	Thread insert
	4-39656	2	Ass'y-Strainer	18	2-300113-J21	2	Ass'y-Dial face (1 and 3-45483 only)
	507053	4	H.H.C. screw 5/16-18 x 5/8		2-300114-J21	2	Ass'y-Dial face (2 and 4-45483 only)
	902017	4	Lockwasher 5/16				
	907407	2	Filter		916907	8	PH.P.H. screw #6-32 x 5/16
8	300474	2	Brkt.-Vapor return				
	2-127422	3	"U" Bolt				

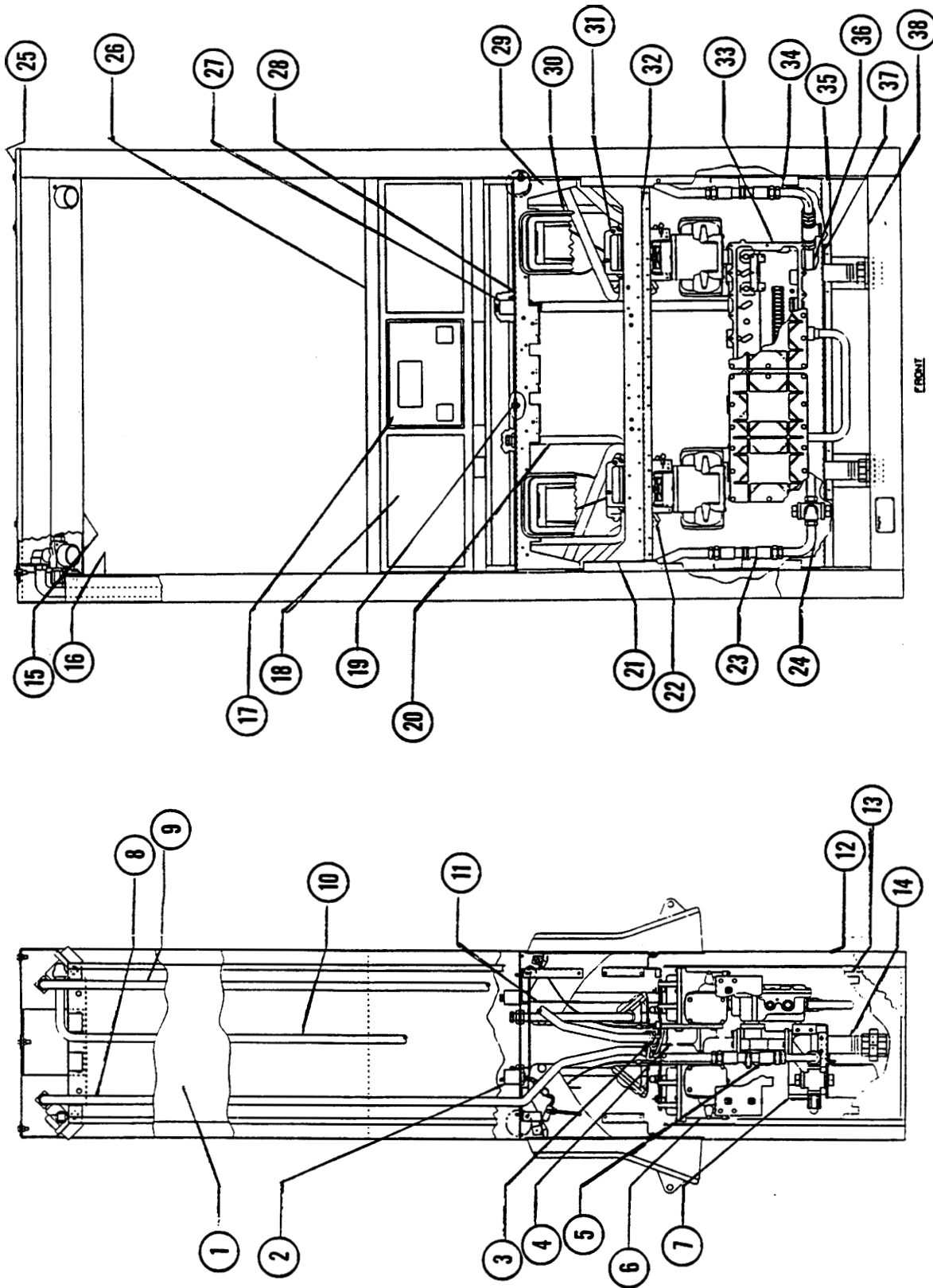


Figure 3. Cont'd. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

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Table 3. Cont'd. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
19	(See Shared Assemblies manual 917506)			27	(See Shared Assemblies manual 917506)		
	1-47562-J21	2	Ass'y-Bezel (1-45483 only)		5-47540	1	Ass'y-Elect. head
	2-47562-J21	2	Ass'y-Bezel (2-45483 only)		905245	8	Flatwasher 1/4
	4-47562-J21	2	Ass'y-Bezel (3-45483 only)		918210	8	Stop nut 1/4-20
	5-47562-J21	2	Ass'y-Bezel (4-45483 only)		3-47114	2	Ass'y-Wire harness (DC)
	A47475-J21	4	Panel-Blank		918066	2	Mounting clamp
	916546	12	Plascrew #8 x 5/8		513210	2	Cable tie
					(1 and 3-45483 only)		
20	507053	6	H.H.C. screw 5/16-18 x 5/8		881647-004	1	Disp. Elect. Module (F)
	1-916931	12	Flatwasher		881647-005	1	Disp. Elect. Module (R)
	4-916931	6	Flatwasher		(2 and 4-45483 only)		
	511883	6	Stop nut 5/16-18		881645-004	1	Disp. Elect. Module (F)
					881645-005	1	Disp. Elect. Module (R)
21	5-46698	4	Ass'y-Conduit-Pulser				
	126817	8	Flatwasher	28	38-39785	1	Ass'y-Potted wire harness
	129498	8	Conduit locknut 1/2		129710	1	Coupling
	907121	4	End bushing		512724	1	Conduit locknut 3/4
					507868	2	Hex nut #8-32
22	47399	4	Door stop		916736	2	Lockwasher #8
	918291	12	PH.P.H. screw #8 x 1/2		918137	2	PH.P.H. screw #8-32 x 1/2
	5-129818	8	Gasket		47104	1	Conduit-Junction Box
					3-126817	1	Flatwasher
23	201755	2	Bracket-Meter support				
	513317	2	Tensilock nut 1/4-20	29	6-47593	1	Ass'y-Vapor barrier
	507295	2	H.H.C. screw 1/4-20 x 3/4		39781	1	Ground plate
	512795	2	Taptite #10 x 3/8		902017	8	Lockwasher 5/16
					509584	8	Hex nut 5/16-18
24	201824	2	Ass'y-Adapter tube		507284	8	H.H.C. screw 5/16-18 x 3/4
	918479	2	H.S.W.H. screw #12-14x 3/4		129732	2	Gasket
	300343	2	Spacer	30	47594	2	Support-Vapor barrier
	507182	4	H.H.C. screw 1/4-20 x 5/8		507284	8	H.H.C. screw 5/16-18 x 3/4
	902016	4	Lockwasher 1/4		902017	8	Lockwasher 5/16
	507827	4	Nut 1/4-20		509584	8	Hex nut 5/16-18
	300322	2	Mounting plate	31	(See Shared Assemblies manual 917506)		
	507284	6	H.H.C. screw 5/16-18 x 3/4		2-47407	4	Ass'y-Nozzle boot
	902017	6	Lockwasher 5/16		47377	4	Collar-Nozzle boot
	918161	6	Caged nut 5/16-18		916695	8	Taptite screw 1/4-20 x 7/8
25	300351	1	Ass'y-Tube		905245	8	Flatwasher 1/4
	129762	2	Washer-Flare	32	(See Shared Assemblies manual 917506)		
	4-300236	1	Ass'y-Cross		25-39348	4	Ass'y-Pulser
	509655	1	Pipe plug 1"		507254	8	H.H.C. screw 1/4-20 x 1/2
26	47412-J21	1	Cover-Dispenser top		905410	4	Seal wire
	511096	4	H.H.C. screw 5/16-18 x 7/8		2-39790	4	Bracket
	916900	4	Seal washer 5/16		916636	8	Taptite screw 1/4-20 x 1/2
	511781	6	Flatwasher 7/16		904438	8	Lockwasher 1/4
	2-916900	2	Seal washer 3/8				
	507056	2	H.H.C. screw 3/8-16 x 1"				

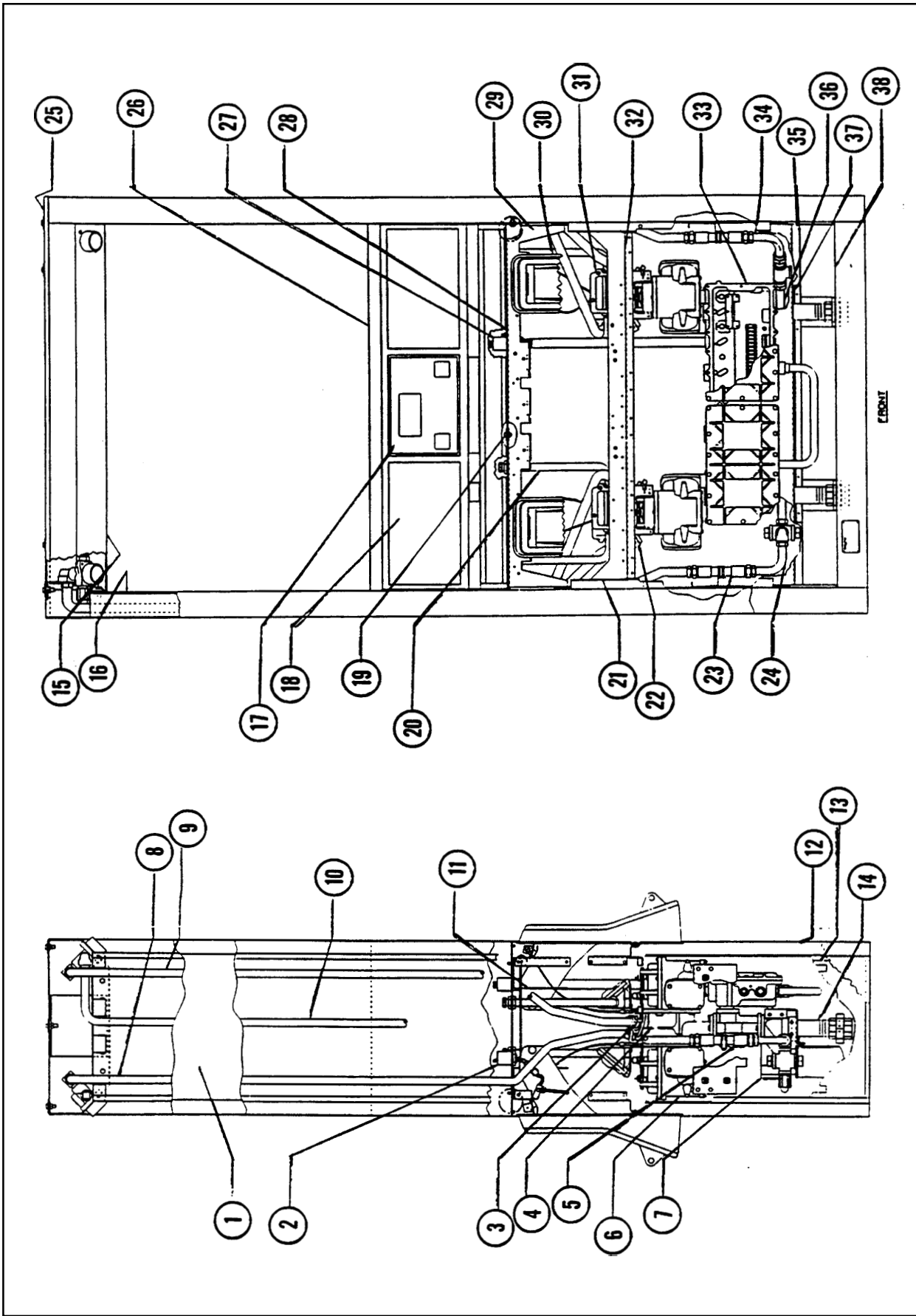


Figure 3. Cont'd. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

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Table 3. Cont'd. Final Assembly 1 thru 4-45483 /V399D1 & D3 /GPQ & GQ

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
33	47592	2	Support-Nozzle boot				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	918161	8	Caged nut 5/16-18				
34	(See Shared Assemblies manual 917506)						
	5-39804	1	Ass'y-Junction box (RH)				
	6-39804	1	Ass'y-Junction box (LH)				
	39778	2	Cover-Junction box				
	3-916695	28	Taptite screw 1/4-20 x 1"				
	906441	10	Wire nut				
	916636	4	Taptite screw 1/4-20 x 1/2				
	916591	1	Screw #10-32 x 3/8				
	916877	1	Cup washer #10				
	913824	2	Closed End Splice				
35	300351	1	Ass'y-Tube				
	129762	2	Washer-Flare				
	4-201669	1	Ass'y-Tee				
36	39791	1	Platform-Strainer				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
37	300338	1	Ass'y-Tube-Manifold				
	129762	2	Washer-Flare				
38	39794	1	Stiffener-Platform				
	512795	6	Taptite #10 x 3/8				
39	47386-J21	2	Base half				
	902017	12	Lockwasher 5/16				
	509584	12	Hex nut 5/16-18				
	507284	12	H.H.C. screw 5/16-18 x 3/4				

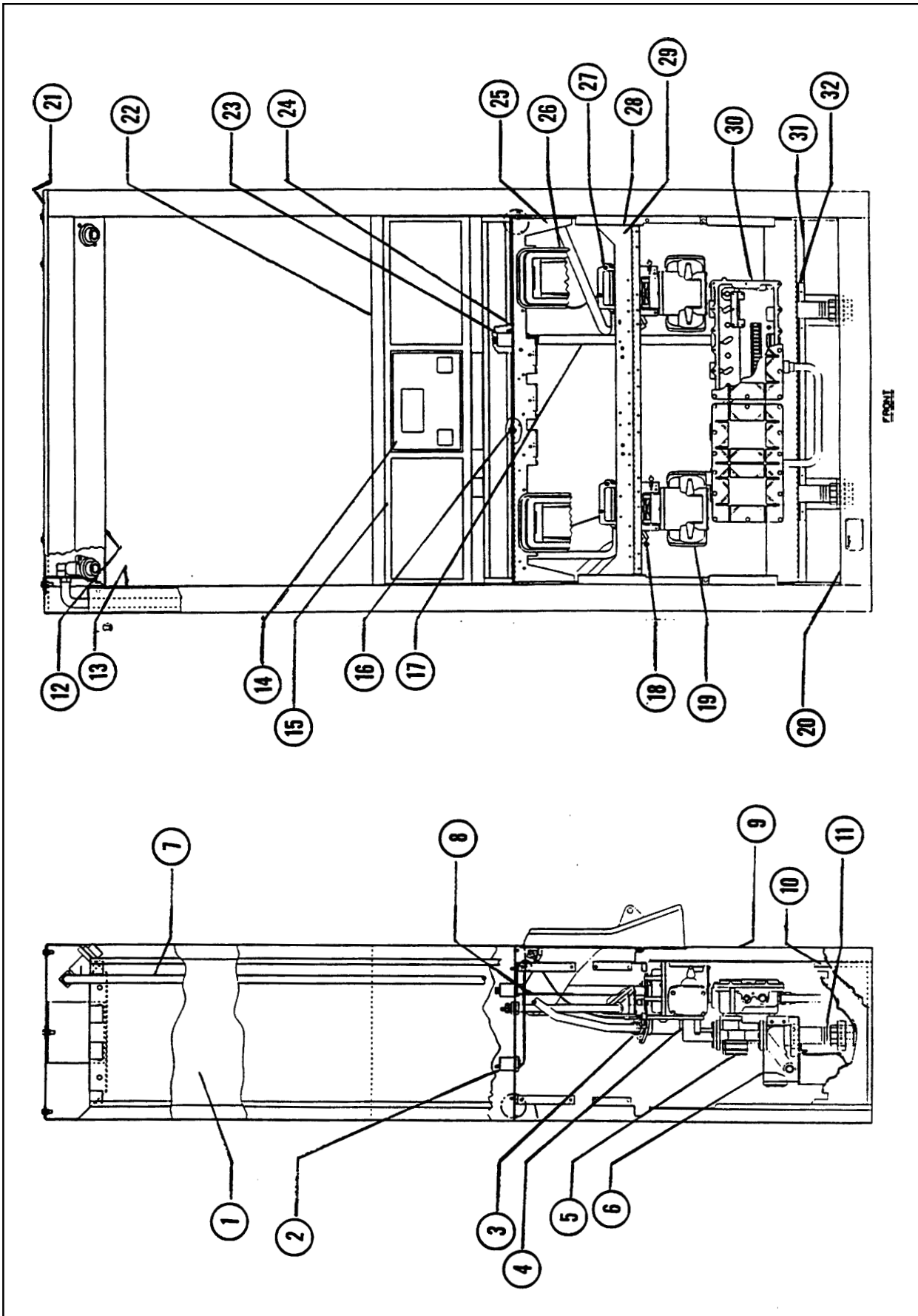


Figure 4. Final Assembly 5 thru 8-45483 /V399D1 & D3 /GPQR & GQR

Table 4. Final Assembly 5 thru 8-45483 /V399D1 & D3 /GPQR & GQR

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399D1/GPQR is Final Assembly 5-45483				507182	1	H.H.C.S. 1/4-20 x 5/8
	/V399D3/GPQR is Final Assembly 6-45483				902016	1	Lockwasher 1/4
	/V399D1/GQR is Final Assembly 7-45483				507827	1	Nut 1/4-20
	/V399D3/GQR is Final Assembly 8-45483						
1	47400	2	Sheath-Outer column	9	47397	1	Ass'y-Tube (RF)
	918291	8	PH.P.H. screw #8 x 1/2		129762	4	Washer-Flare
	918590	8	Thread insert		47394	1	Ass'y-Tube (LF)
2	39782	1	Cover-Intrinsic safe barrier	10	300336	1	Ass'y-Tube-Vapor return (F)
	513161	2	SL.H.W.H. screw #8 x 3/8		129762	2	Washer-Flare
	5-39792	1	Ass'y-Potted wire harness	11	3-201751	2	Bracket-Flex drive
	3-126817	1	Flatwasher		916571	2	Bearing-Flange (nylon)
	2-129498	1	Locknut-Conduit		512795	2	Taptite #10 x 3/8
	918066	1	Mounting clamp	12	2-45352	2	Column
3	918224	2	Straight connector 7/8 x 3/4	13	5-127756	2	Nipple 1-1/2
4	(See Shared Assemblies manual 917506)				512101	2	Union 1-1/2
	37-39786	1	Ass'y-Meter support & tot. (LF & RR)	14	(See Shared Assemblies manual 917506)		
	38-39786	1	Ass'y-Meter support & tot. (LR & RF)		51-47372-J21	1	Ass'y-Top plate chassis
	511096	6	H.H.C. screw 5/16-18 x 7/8		918161	4	Caged nut 5/16-18
	916760	4	H.W.H. screw #8 x 1/2		507054	8	H.H.C. screw 5/16-18 x 1"
5	(See Shared Assemblies manual 917506)				902017	8	Lockwasher 5/16
	1-47576	2	Ass'y-Diaphragm valve		509584	8	Hex nut 5/16-18
	511096	6	H.H.C. screw 5/16-18 x 7/8		39958	2	Support-Lift bracket
	916695	4	Taptite screw 1/4-20 x 7/8	15	1-47545-J21	2	Sheath-Inner column
	918237	2	"O" Ring		918291	14	PH.P.H. screw #8 x 1/2
	108380	2	Gasket		918590	14	Thread insert
6	(See Shared Assemblies manual 917506)			16	2-300113-J21	1	Ass'y-Dial face (5 and 7-45483 only)
	4-39656	2	Ass'y-Strainer		2-300114-J21	1	Ass'y-Dial face (6 and 8-45483 only)
	507053	4	H.H.C. screw 5/16-18 x 5/8		916907	4 TM	PH.P.H. screw #6-32 x 5/16
	902017	4	Lockwasher 5/16	17	(See Shared Assemblies manual 917506)		
	907407	2	Filter		1-47562-J21	2	Ass'y-Bezel (5-45483 only)
	2-28791	2	Cover		2-47562-J21	2	Ass'y-Bezel (6-45483 only)
	108380	2	Gasket		4-47562-J21	2	Ass'y-Bezel (7-45483 only)
	511096	6	H.H.C. screw 5/16-18		5-47562-J21	2	Ass'y-Bezel (8-45483 only)
7	7-47478-0W7	1	Door (F)		1-47429-J21	1	Ass'y-Bezel (R)
	2-47478-0W7	1	Door (R)		A47475-J21	4	Panel-Blank
	128993	4	Button Head Dart		916546	12	Plascrew #8 x 5/8
	127417	2	Lock	18	507053	8	H.H.C. screw 5/16-18 x 5/8
	4-129642	2	Latch		1-916931	16	Flatwasher
	201761	2	Channel-Door		4-916931	8	Flatwasher
8	300474	1	Brkt.-Vapor return		511883	8	Stop nut 5/16-18
	2-127422	1	"U" Bolt	19	5-46698	2	Ass'y-Conduit-Pulser
	902017	2	Lockwasher 1/4		126817	4	Flatwasher
	509584	2	Hex nut 5/16-18		129498	4	Conduit locknut 1/2
					907121	2	End bushing

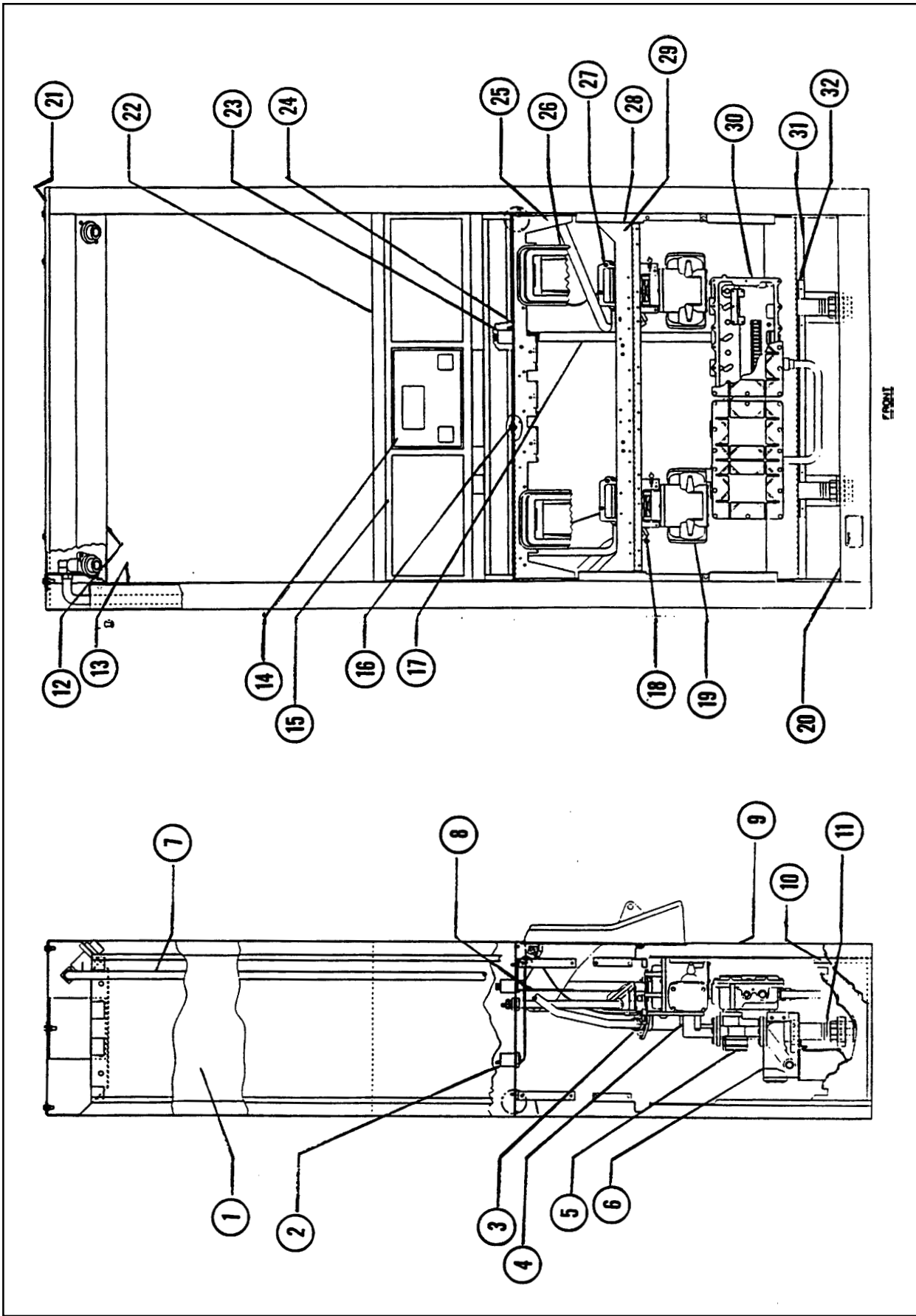


Figure 4. Cont'd. Final Assembly 5 thru 8-45483 /V399D1 & D3 /GPQR & GQR

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Table 4. Cont'd. Final Assembly 5 thru 8-45483 /V399D1 & D3 /GPQR & GQR

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
20	201755	2	Bracket-Meter support	918137		1	PH.P.H. screw #8-32 x 1/2
	513317	2	Tensilock nut 1/4-20	47104		1	Conduit-Junction Box
	507295	2	H.H.C. screw 1/4-20 x 3/4	3-126817		1	Flatwasher
	512795	2	Taptite #10 x 3/8	25	6-47593	1	Ass'y-Vapor barrier
21	(See Shared Assemblies manual 917506)			39781		1	Ground plate
	23-39310	2	Ass'y-Meter	902017		8	Lockwasher 5/16
	300314	2	Ass'y.-Chk. & P.R. valve	509584		8	Hex nut 5/16-18
	120722	2	"O" ring-Inlet	507284		8	H.H.C. screw 5/16-18 x 3/4
	120723	2	"O" ring-Discharge	129732		2	Gasket
	511096	7	H.H.C. screw 5/16-18 x 7/8	26	47594	2	Support-Vapor barrier
	511748	1	H.H.C. screw 5/16-18 x 2-1/2	507284		8	H.H.C. screw 5/16-18 x 3/4
22	201825	1	Ass'y-Adapter tube	902017		8	Lockwasher 5/16
	918479	1	H.S.W.H. screw #12-14 x 3/4	509584		8	Hex nut 5/16-18
	300343	1	Spacer	27	(See Shared Assemblies manual 917506)		
	507182	2	H.H.C. screw 1/4-20 x 5/8	2-47407	2	2	Ass'y-Nozzle boot
	902016	2	Lockwasher 1/4	47377	2	2	Collar-Nozzle boot
	507827	2	Nut 1/4-20	916695	4	4	Taptite screw 1/4-20 x 7/8
	300322	1	Mounting plate	905245	4	4	Flatwasher 1/4
	507284	3	H.H.C. screw 5/16-18 x 3/4	28	(See Shared Assemblies manual 917506)		
	902017	3	Lockwasher 5/16	25-39348	2	2	Ass'y-Pulser
	918161	3	Caged nut 5/16-18	507254	4	4	H.H.C. screw 1/4-20 x 1/2
	300351	1	Ass'y-Tube	905410	2	2	Seal wire
	129762	2	Washer-Flare	2-39790	2	2	Bracket
	5-201669	1	Ass'y-Tee	916636	4	4	Taptite screw 1/4-20 x 1/2
23	47412-J21	1	Cover-Dispenser top	904438	4	4	Lockwasher 1/4
	511096	4	H.H.C. screw 5/16-18 x 7/8	29	47399	4	Door stop
	916900	4	Seal washer 5/16	918291	12	12	PH.P.H. screw #8 x 1/2
	511781	6	Flatwasher 7/16	5-129818	8	8	Gasket
	2-916900	2	Seal washer 3/8	30	47592	2	Support-Nozzle boot
	507056	2	H.H.C. screw 3/8-16 x 1"	507284	8	8	H.H.C. screw 5/16-18 x 3/4
24	(See Shared Assemblies manual 917506)			902017	8	8	Lockwasher 5/16
	6-47540	1	Ass'y-Elect. head	918161	8	8	Caged nut 5/16-18
	905245	8	Flatwasher 1/4	31	(See Shared Assemblies manual 917506)		
	918210	8	Stop nut 1/4-20	9-39804	1	1	Ass'y-Junction box (RH)
	3-47114	1	Ass'y-Wire harness (DC)	4-39804	1	1	Ass'y-Junction box (LH)
	918066	1	Mounting clamp	39778	2	2	Cover-Junction box
	513210	1	Cable tie	3-916695	28	28	Taptite screw 1/4-20 x 1"
	(5 and 7-45483 only)			906441	6	6	Wire nut
	881647-004	1	Disp. Elect. Module (F)	916636	4	4	Taptite screw 1/4-20 x 1/2
	(6 and 8-45483 only)			916591	1	1	Screw #10-32 x 3/8
	881645-004	1	Disp. Elect. Module (F)	916877	1	1	Cup washer #10
25	39-39785	1	Ass'y-Potted wire harness	913824	2	2	Closed End Splice
	129710	1	Coupling				
	512724	1	Conduit locknut 3/4				
	507868	1	Hex nut #8-32				
	916736	1	Lockwasher #8				

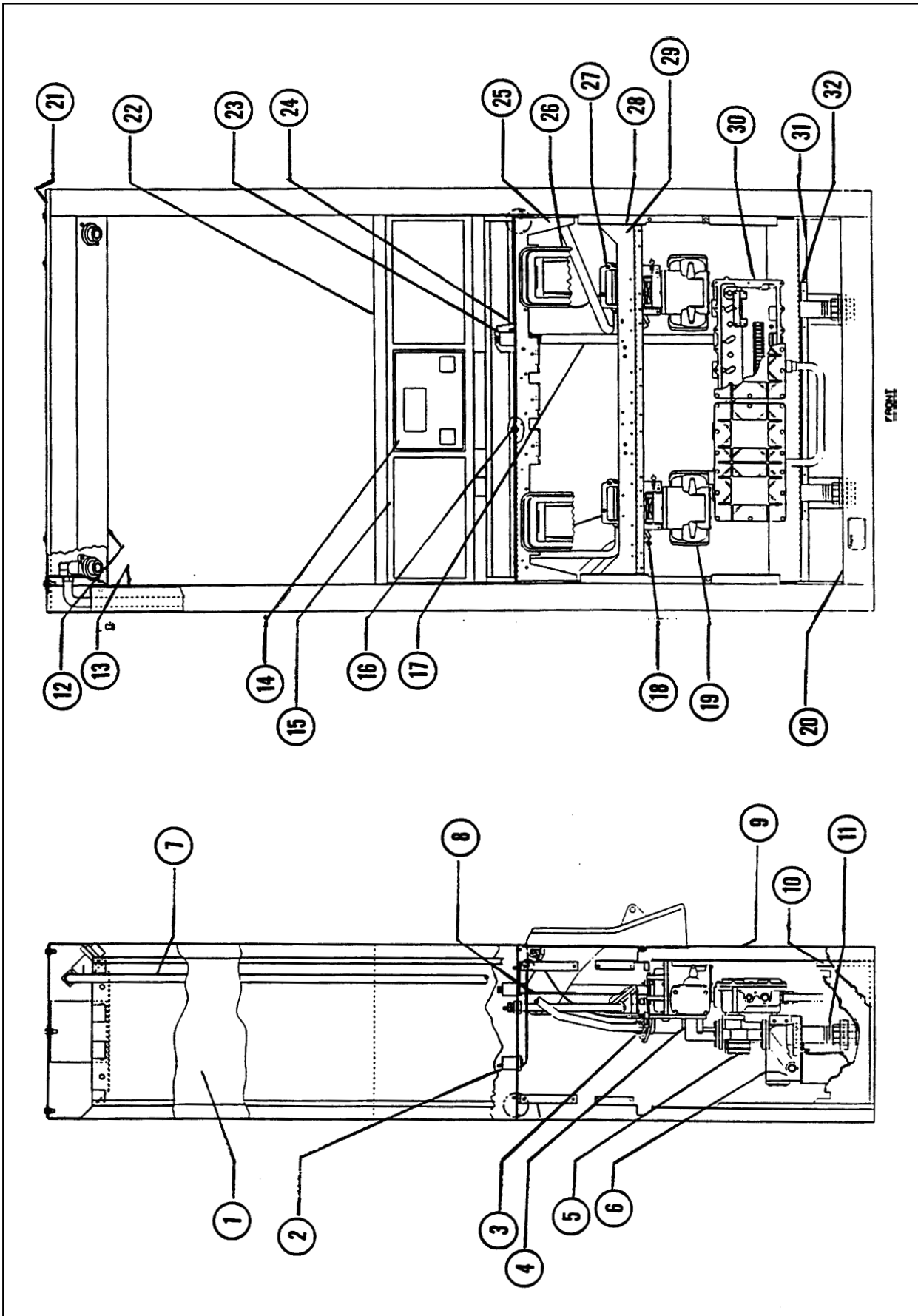


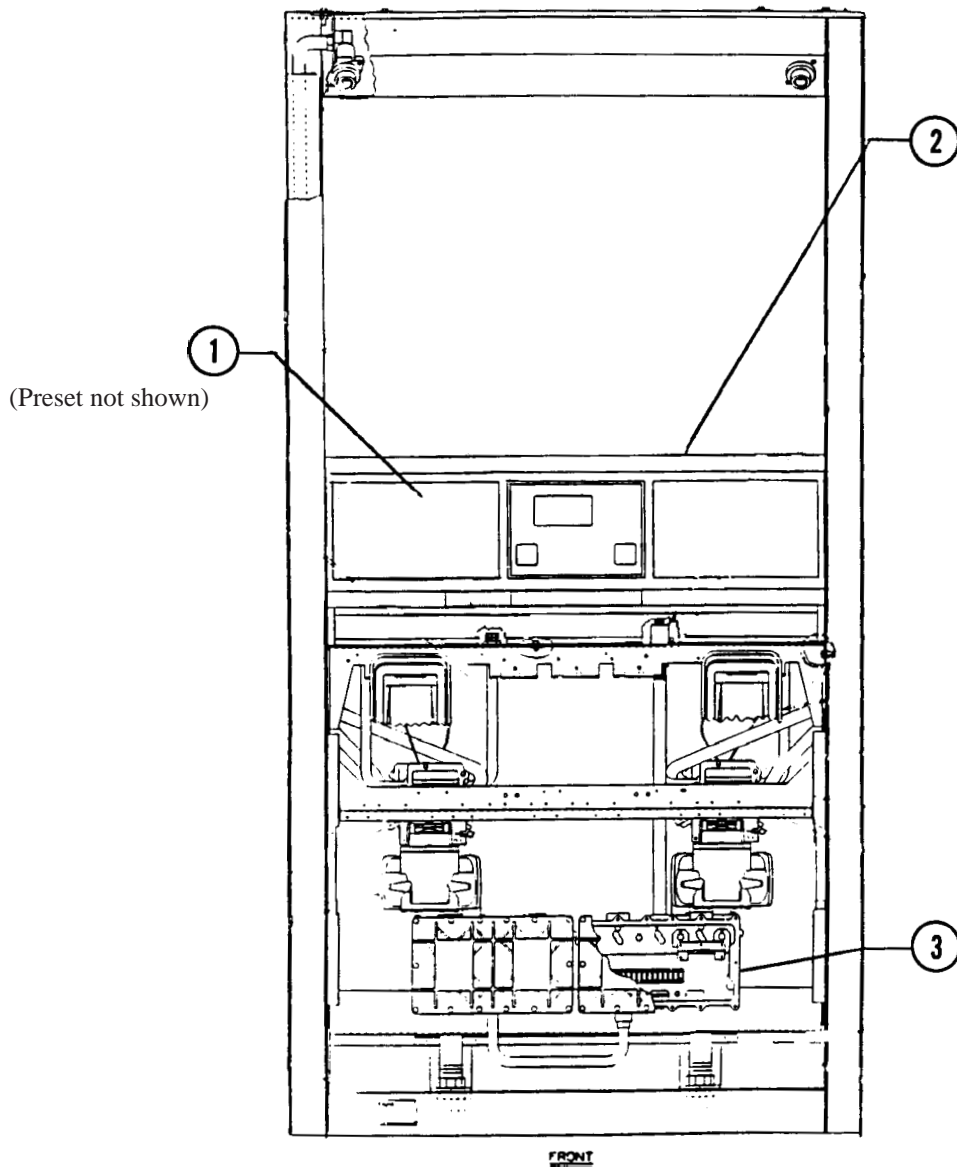
Figure 4. Cont'd. Final Assembly 5 thru 8-45483 N399D1 & D3 /GPQR & GQR

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Table 4. Cont'd. Final Assembly 5 thru 8-45483 /V399D1 & D3 /GPQR & GQR

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
32	39791	1	Platform-Strainer				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
33	39794	1	Stiffener-Platform				
	512795	6	Taptite #10 x 3/8				
34	47386-J21	2	Base half				
	902017	12	Lockwasher 5/16				
	509584	12	Hex nut 5/16-18				
	507284	12	H.H.C. screw 5/16-18 x 3/4				

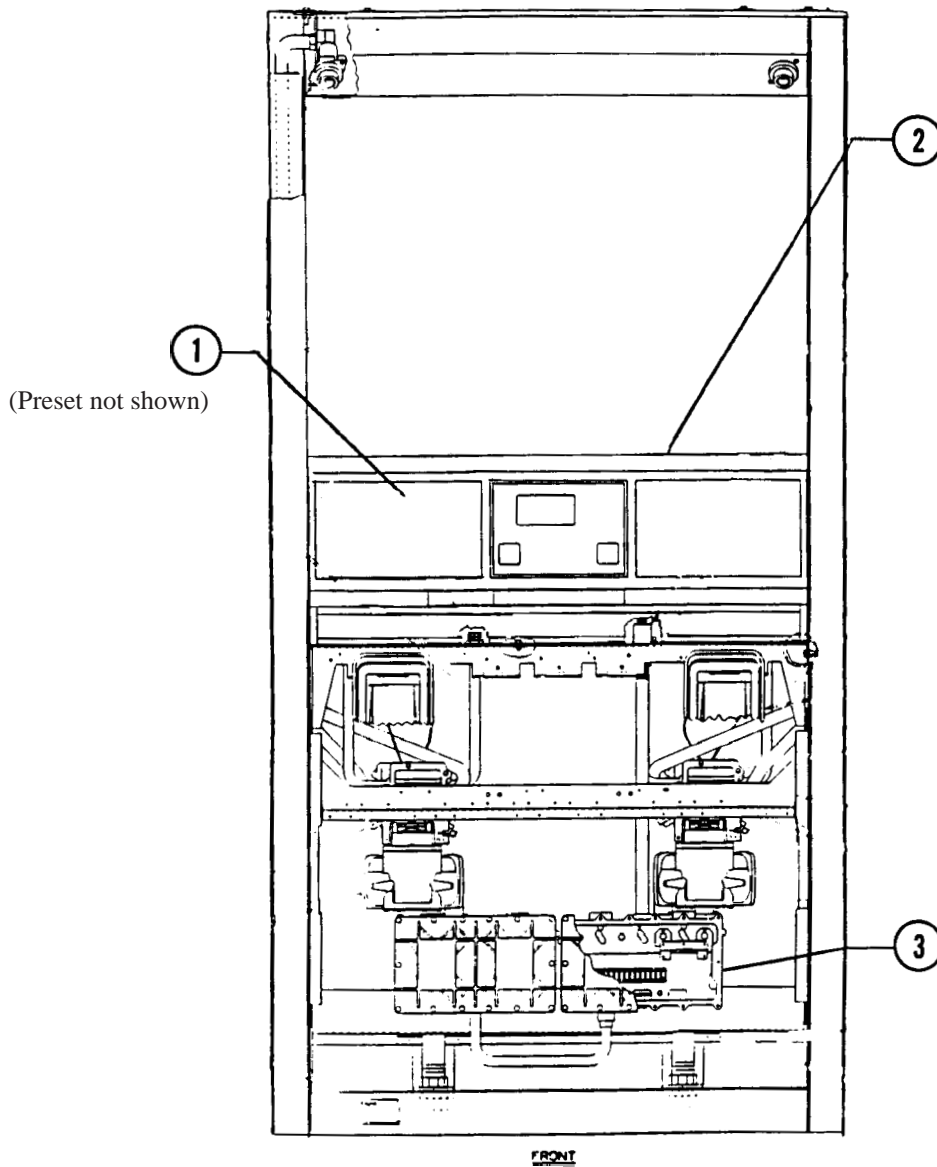


(Assembly Shown /V399D1/G)

Figure 5. Final Assembly /V399D1 & D3 /GPSZ6

Table 5. Final Assembly /V399D1 & D3 /GPSZ6

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	35-47486	1	(See Fig. 14, pg. 67 for Preset info.) Preset Vista				
2			(See Shared Assemblies manual 917506) (D1 Model only)				
	881647-013	1	Disp. Elect. Module				
	881647-014	1	Disp. Elect. Module				
			(D3 Model only)				
	881645-018	1	Disp. Elect. Module				
	881645-021	1	Disp. Elect. Module				
3			(See Shared Assemblies manual 917506)				
	5-39804-240	1	Ass'y-Junction box				
	6-39804-240	1	Ass'y-Junction box				
<p>Note: /V399D1/GPSZ6 is otherwise the same as /V399D1/GP /V399D3/GPSZ6 is otherwise the same as /V399D3/GP</p>							

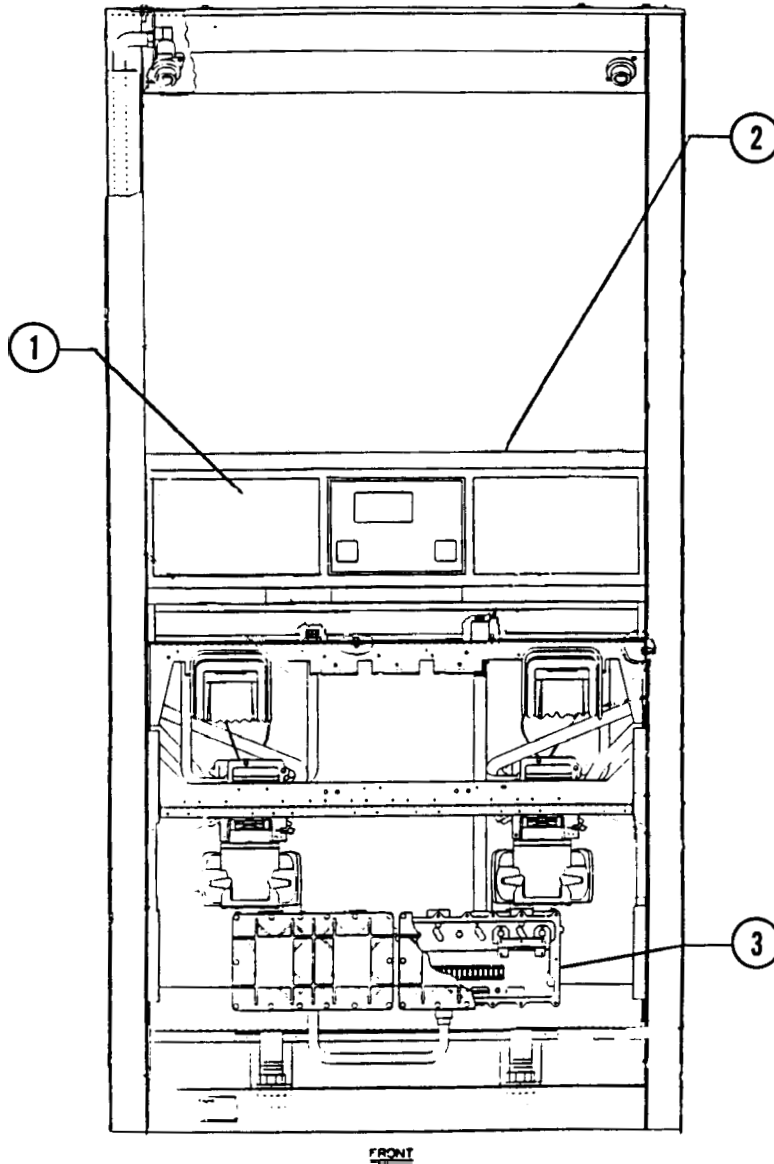


(Assembly Shown /V399D1/G)

Figure 6. Final Assembly /V399D1 & D3 /GMPSWZ4

Table 6. Final Assembly /V399D1 & D3 /GMPSWZ4

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506) (D1 Model only) 10-47566-J21	2	Ass'y-Bezel				
	(D3 Model only) 9-47566-J21	2	Ass'y-Bezel				
	(See Fig. 14. pg. 67 for Preset info.) 35-47486	1	Preset Vista				
2	(See Shared Assemblies manual 917506) (D1 Model only) 881647-013	1	Disp. Elect. Module				
	881647-014	1	Disp. Elect. Module				
	(D3 Model only) 881645-018	1	Disp. Elect. Module				
	881645-021	1	Disp. Elect. Module				
3	(See Shared Assemblies manual 917506) 5-39804-220	1	Ass'y-Junction box				
	6-39804-220	1	Ass'y-Junction box				
<p>Note: /V399D1/GMPSWZ4 is otherwise the same as /V399D1/GP /V399D3/GMPSWZ4 is otherwise the same as /V399D3/GP</p>							



(Assembly Shown /V399D1/GP)

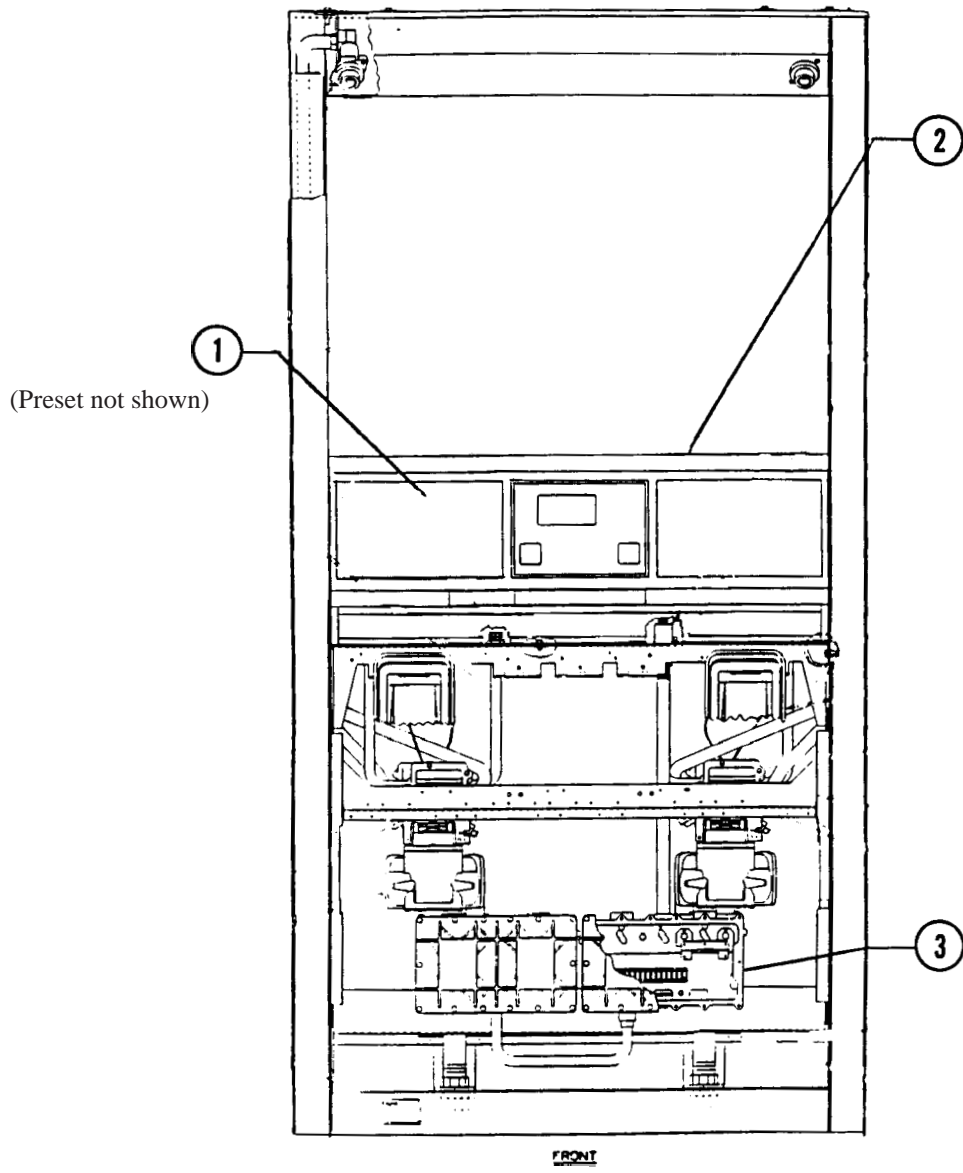
Figure 7. Final Assembly /V399D1 /AGPWZ5

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Table 7. Final Assembly /V399D1 /AGPWZ5

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506) 11-47566-J21	2	Ass'y-Bezel				
2	(See Shared Assemblies manual 917506) 881165-040	1	Disp. Elect. Module				
	881165-041	1	Disp. Elect. Module				
3	(See Shared Assemblies manual 917506) 5-39804-230	1	Ass'y-Junction box				
	6-39804-230	1	Ass'y-Junction box				
<p>Note: Otherwise the same as /V399D1/GP</p>							



(Assembly Shown /V399D1/G)

Figure 8. Final Assembly /V399D1 /AGSWZ6

Table 8. Final Assembly /V399D1 /AGSWZ6

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506) 12-47566-J21	2	Ass'y.-Bezel				
	(See Fig. 14. pg. 67 for Preset info.) 35-47486	1	Preset Vista				
2	(See Shared Assemblies manual 917506) 881165-036	1	Disp. Elect. Module				
	881165-037	1	Disp. Elect. Module				
3	(See Shared Assemblies manual 917506) 5-39804-240	1	Ass'y-Junction box				
	6-39804-240	1	Ass'y-Junction box				
<p>Note: Otherwise the same as /V399D1/G</p>							

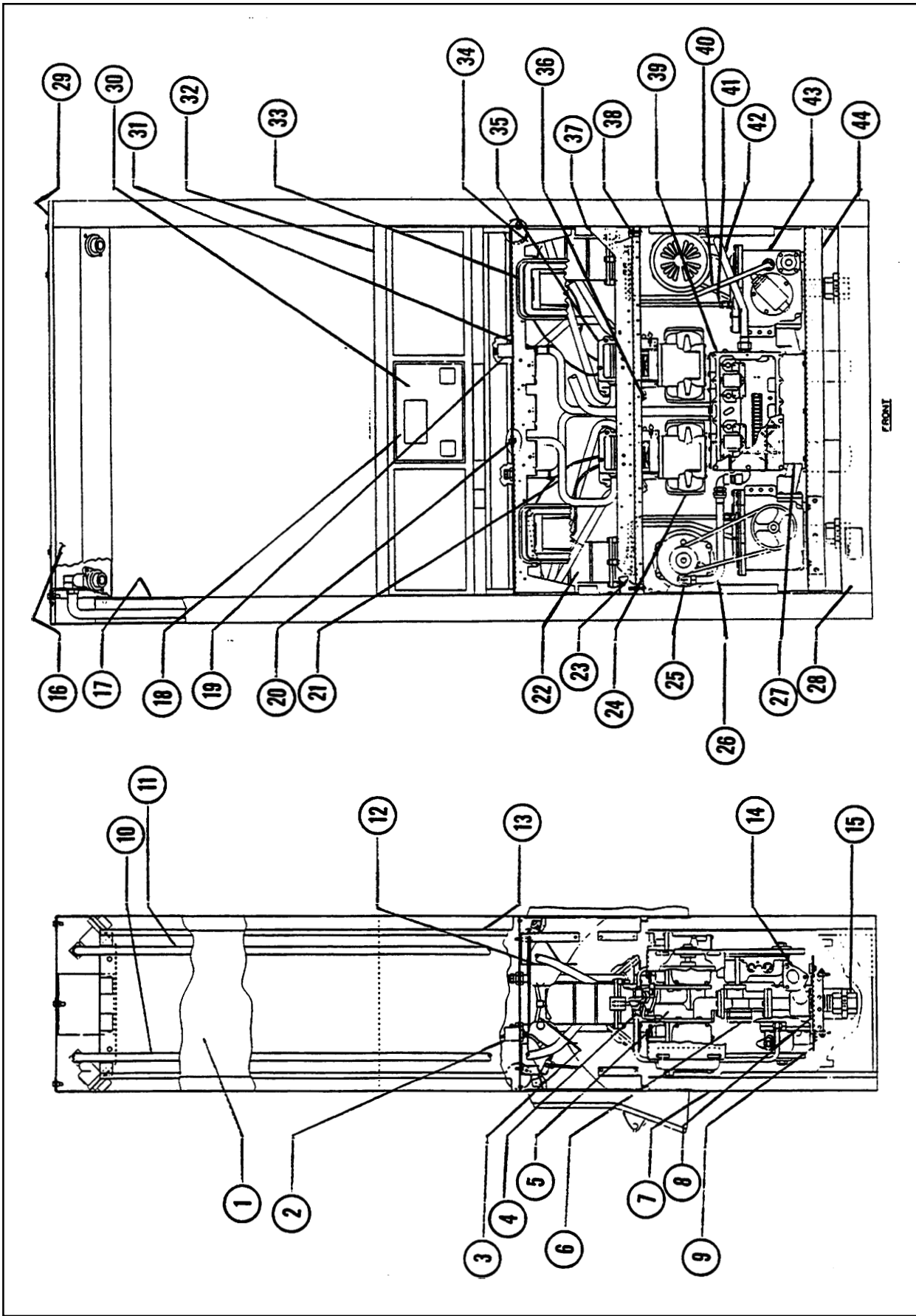


Figure 9. Final Assembly 1 thru 4-45421 /N399P1 & P3 /GP & G

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Table 9. Final Assembly 1 thru 4-45421 /V399P1 & P3 /GP & G

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399P1/GP is Final Assembly 1-45421			10	300170	2	Ass'y-Tube (RF & LR)
	/V399P3/GP is Final Assembly 2-45421				129762	4	Washer-Flare
	/V399P1/G is Final Assembly 3-45421			11	300171	2	Ass'y-Tube (LF & RR)
	/V399P3/G is Final Assembly 4-45421				129762	4	Washer-Flare
1	47400	2	Outer-Sheath column	12	3-201751	4	Bracket-Flex drive
	918291	8	PH.P.H. screw #8 x 1/2		916571	4	Bearing-Flange (nylon)
	918590	8	Thread insert		512795	4	Taptite #10 x 3/8
2	39782	1	Cover-Intrinsic safe barrier	13	2-45352	2	Column
	513161	2	SL.H.W.H. screw #8 x 3/8	14	39916	2	Ass'y-Adapter (comp. to dia.)
	3-39792	1	Ass'y-Potted wire harness		507284	4	H.H.C. screw 5/16-18 x 3/4
	3-126817	1	Flatwasher		507998	2	H.H.C. screw 5/16-18 x 2 3/4
	2-129498	1	Conduit locknut 1/2		108380	6	Gasket
	916566	4	Screw 6-32 x 3/8	15	3-127756	2	Nipple 1-1/2
3	10-46462	2	Ass'y-Tube		512101	2	Union 1-1/2
	907070	2	Elbow 3/8 x 1/4	16	(See Shared Assemblies manual 917506)		
	122288	2	Ass'y-Elbow & Screen		4-47372-J21	1	Ass'y-Top plate chassis
4	918224	4	Straight connector 7/8 x 3/4		918161	4	Caged nut 5/16-18
5	(See Shared Assemblies manual 917506)				507054	8	H.H.C. screw 5/16-18 x 1"
	43-39786	2	Ass'y-Meter support & tot. (LF & RR)		902017	8	Lockwasher 5/16
	46-39786	2	Ass'y-Meter support & tot. (LR & RF)		509584	8	Hex nut 5/16-18
	511096	12	H.H.C. screw 5/16-18 x 7/8		39958	2	Support-Lift bracket
	916760	8	H.H. screw #8 x 1/2	17	1-47545-J21	2	Sheath-Inner column
6	(See Shared Assemblies manual 917506)				918291	14	PH.P.H. screw #8 x 1/2
	1-47576	4	Ass'y-Diaphragm valve		918590	8	Thread insert
	511096	12	H.H.C. screw 5/16-18 x 7/8	18	(See Shared Assemblies manual 917506)		
	916695	8	Taptite screw 1/4-20 x 7/8		1-47562-J21	2	Ass'y-Bezel (1-45421 only)
	918237	4	"O" Ring		2-47562-J21	2	Ass'y-Bezel (2-45421 only)
7	7-47478-0W7	2	Door		4-47562-J21	2	Ass'y-Bezel (3-45421 only)
	128993	4	Button Head Dart		5-47562-J21	2	Ass'y-Bezel (4-45421 only)
	127417	2	Lock		A47475-J21	4	Panel-Blank
	4-129642	2	Latch		916546	12	Plascrew #8 x 5/8
	201761	4	Channel-Door	19	64-39785	1	Ass'y-Potted wire harness
8	907407	2	Filter		129710	1	Coupling
9	39915	2	Support-Compact unit		507868	1	Hex nut #8-32
	507284	6	H.H.C. screw 5/16-18 x 3/4		916736	1	Lockwasher #8
	902017	6	Lockwasher 5/16		918137	1	P.H.P.H. screw #8-32 x 1/2
	509584	6	Hex nut 5/16-18		512724	1	Conduit locknut 3/4
					47315	1	Conduit-Junction box
					3-126817	1	Flatwasher

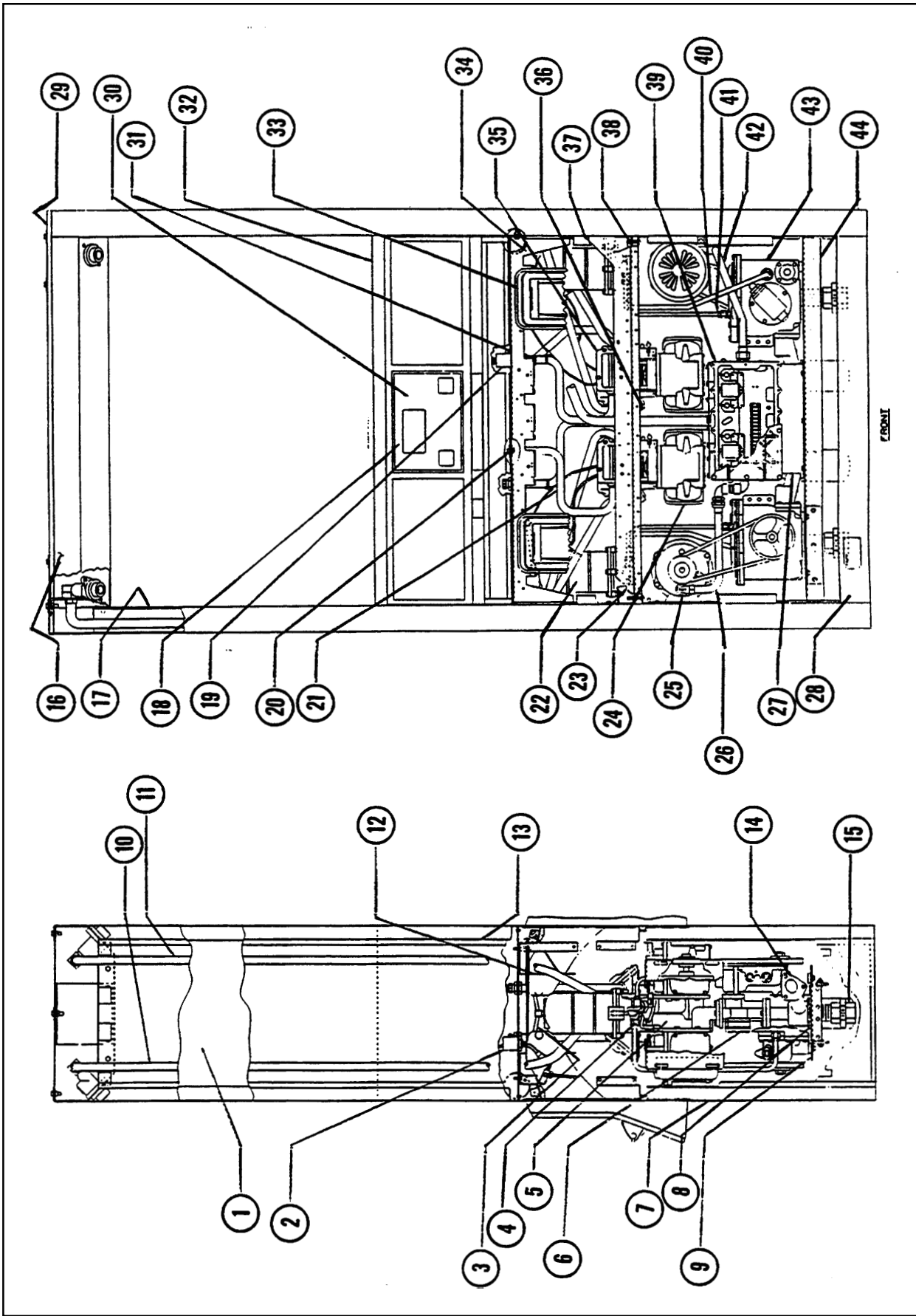


Figure 9. Cont'd. Final Assembly 1 thru 4-45421 /V399P1 & P3 /GP & G

Table 9. Cont'd. Final Assembly 1 thru 4-45421 /V399P1 & P3 /GP & G

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
20	507053	3	H.H.C. screw 5/16-18 x 5/8	28	47386-J21	2	Base half
	1-916931	6	Flatwasher		902017	12	Lockwasher 5/16
	4-916931	3	Flatwasher		509584	12	Hex nut 5/16-18
	511883	3	Stop nut 5/16-18		507284	12	H.H.C. screw 5/16-18 x 3/4
21	10-46698	1	Ass'y-Conduit-Pulser RR	29	47412-J21	1	Cover-Dispenser top
	11-46698	3	Ass'y-Conduit-Pulser		511096	4	H.H.C. screw 5/16-18 x 7/8
	126817	8	Flatwasher		916900	4	Seal washer 5/16
	129498	8	Conduit locknut 1/2		511781	6	Flatwasher 7/16
	907121	4	End bushing		2-916900	2	Seal washer 3/8
					507056	2	H.H.C. screw 3/8-16 x 1"
22	(See Shared Assemblies manual 917506)			30	2-300113-J21	2	Ass'y-Dial face (1 and 3-45421 only)
	3-38556	2	Safety sump		2-300114-J21	2	Ass'y-Dial face (2 and 4-45421 only)
	129014	2	Sump bracket		916907	8	P.H.P.H. screw #6-32 x 5/16
	902017	4	Lockwasher 5/16				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	509584	4	Hex nut 5/16-18				
23	47592	2	Support-Nozzle boot	31	6-47593	1	Ass'y-Vapor barrier
	507284	8	H.H.C. screw 5/16-18 x 3/4		39781	1	Ground plate
	902017	8	Lockwasher 5/16		902017	8	Lockwasher 5/16
	918161	8	Cage nut 5/16-18		509584	8	Hex nut 5/16-18
					507284	8	H.H.C. screw 5/16-18 x 3/4
24	(See Shared Assemblies manual 917506)				129732	2	Gasket
	23-39310	4	Ass'y-Meter	32	(See Shared Assemblies manual 917506)		
	300314	4	Ass'y-Chk. & P.R. valve		5-47540	1	Ass'y-Elect. head
	120722	4	"O" ring-Inlet		905245	4	Flatwasher 1/4
	120723	4	"O" ring-Discharge		918210	4	Stop nut 1/4-20
	511096	14	H.H.C. screw 5/16-18 x 7/8		3-47114	2	Ass'y-Wire harness (DC)
	511748	2	H.H.C. screw 5/16-18 x 2-1/2		918066	2	Mounting clamp
							(1 and 3-45421 only)
25	1-38322	2	Motor-3/4 HP		881647-004	1	Disp. Elect. Module (F)
	512563	8	Carriage bolt		881647-005	1	Disp. Elect. Module (R)
	904314	8	Flatwasher 5/16				(2 and 4-45421 only)
	902017	8	Lockwasher 5/16		881645-004	1	Disp. Elect. Module (F)
	509584	8	Hex nut 5/16-18		881645-005	1	Disp. Elect. Module (R)
	121656	2	Belt V 35				
	27944	2	Pulley	33	(See Shared Assemblies manual 917506)		
	39912	2	Motor support		1-47407	2	Ass'y-Nozzle boot (RF & LR)
	507284	8	H.H.C. screw 5/16-18 x 3/4		4-47407	2	Ass'y-Nozzle boot (LF & RR)
	918161	8	Caged nut 5/16-18		47377	4	Collar-Nozzle boot
	904314	8	Flatwasher 5/16		916695	8	Taptite screw 1/4-20 x 7/8
					905245	8	Flatwasher 1/4
26	54-38936	1	Motor conduit				
	905438	1	Conduit union 1/2 FF				
27	47321	1	Junction Box support				
	507284	3	H.H.C. screw 5/16-18 x 3/4				
	902017	3	Lockwasher 5/16				
	509584	3	Hex nut 5/16-18				

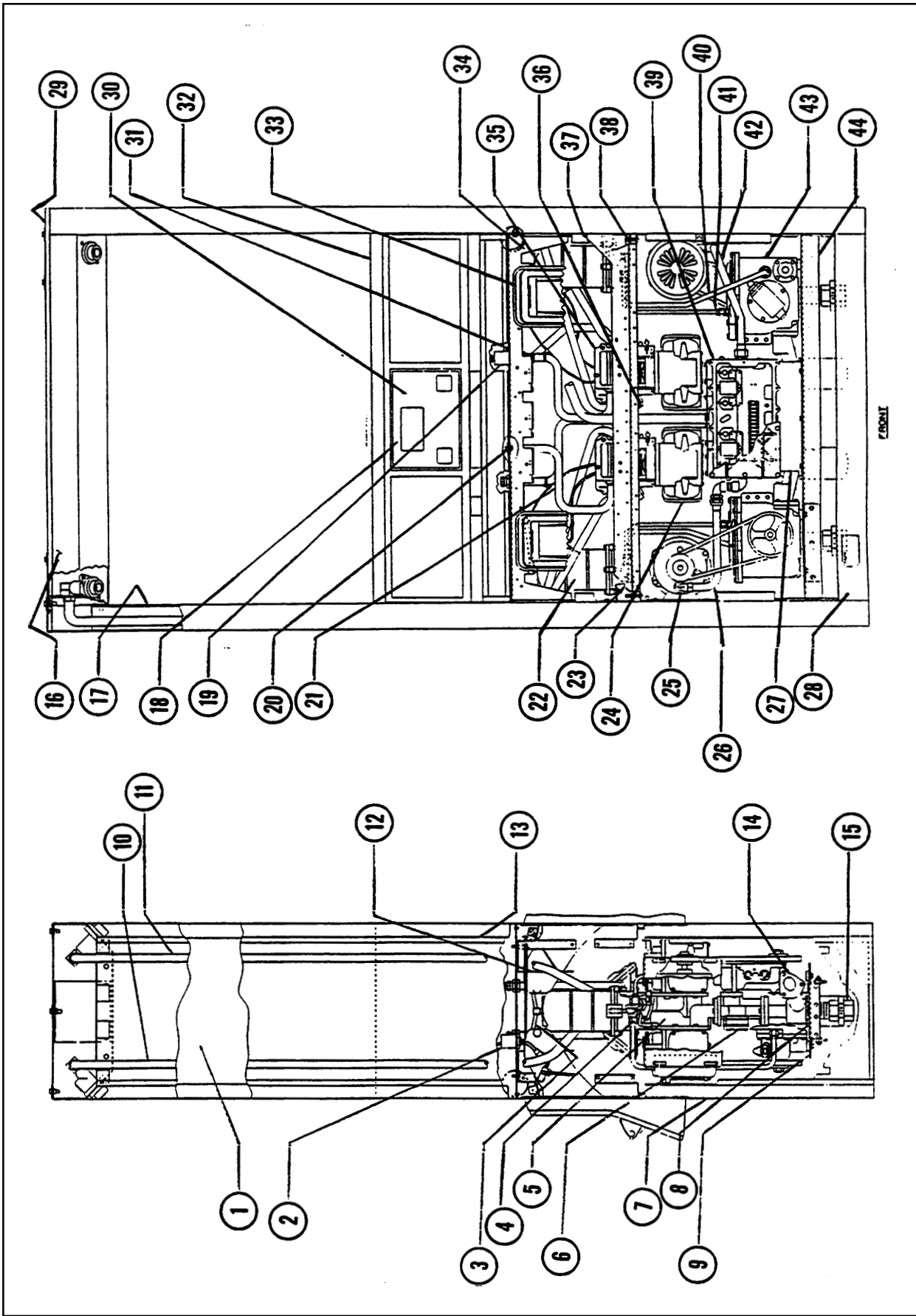


Figure 9. Cont'd. Final Assembly 1 thru 4-45421 N399P1 & P3 /GP & G

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Table 9. Cont'd. Final Assembly 1 thru 4-45421 /V399P1 & P3 /GP & G

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
34	47594	2	Support-Vapor barrier		507286	6	H.H.C. screw 5/16-18 x 1 1/4
	507284	8	H.H.C. screw 5/16-18 x 3/4		902017	12	Lockwasher 5/16
	902017	8	Lockwasher 5/16		128964	12	Cap mount
	509584	8	Hex nut 5/16-18		128965	12	Mount
					4-916312	6	Spacer
35	(See Shared Assemblies manual 917506)				904324	2	Straight connector 1/2
	25-39348	4	Ass'y-Pulser		907069	2	Straight connector 3/8
	507254	4	H.H.C. screw 1/4-20 x 1/2				
	5-39790	4	Bracket	44	47323	1	Platform-lower
	916636	8	Taptite screw 1/4-20 x 1/2		507284	8	H.H.C. screw 5/16-18 x 3/4
	904438	8	Lockwasher 1/4		902017	8	Lockwasher 5/16
					509584	8	Hex nut 5/16-18
36	201755	2	Bracket-Meter support				
	513317	2	Tensilock nut 1/4-20				
	507295	2	H.H.C. screw 1/4-20 x 3/4				
	512795	2	Taptite #10 x 3/8				
37	47399	4	Door stop				
	918291	12	P.H.P.H. screw #8 x 1/2				
	5-129818	8	Gasket				
38	201705	2	Motor bracket-Adjustment				
	916604	2	Carriage bolt 5/16-18 x 1-3/4				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	4	Lockwasher 5/16				
	509584	4	Hex nut 5/16-18				
39	(See Shared Assemblies manual 917506)						
	22-39804	1	Ass'y-Junction box				
	39778	1	Cover-Junction box				
	3-916695	14	Taptite screw 1/4-20 x 7/8				
	916636	3	Taptite screw 1/4-20 x 1/2				
	916591	1	Screw #10-32 x 3/8				
	916877	1	Cup washer #10				
	913824	2	Closed End Splice				
40	47309	2	Ass'y-Tube (return to pump)				
	905309	2	Elbow 1/2 x 3/8				
41	47319	2	Ass'y-Tube				
	907070	2	Elbow 3/8 x 1/4				
42	39904	1	Conduit-Motor (RH)				
	122265	1	Conduit union 1/2 MF				
43	(See Shared Assemblies manual 917506)						
	23-44059	2	Ass'y-Compact unit				
	28007	2	Pulley				
	115550	2	Key				

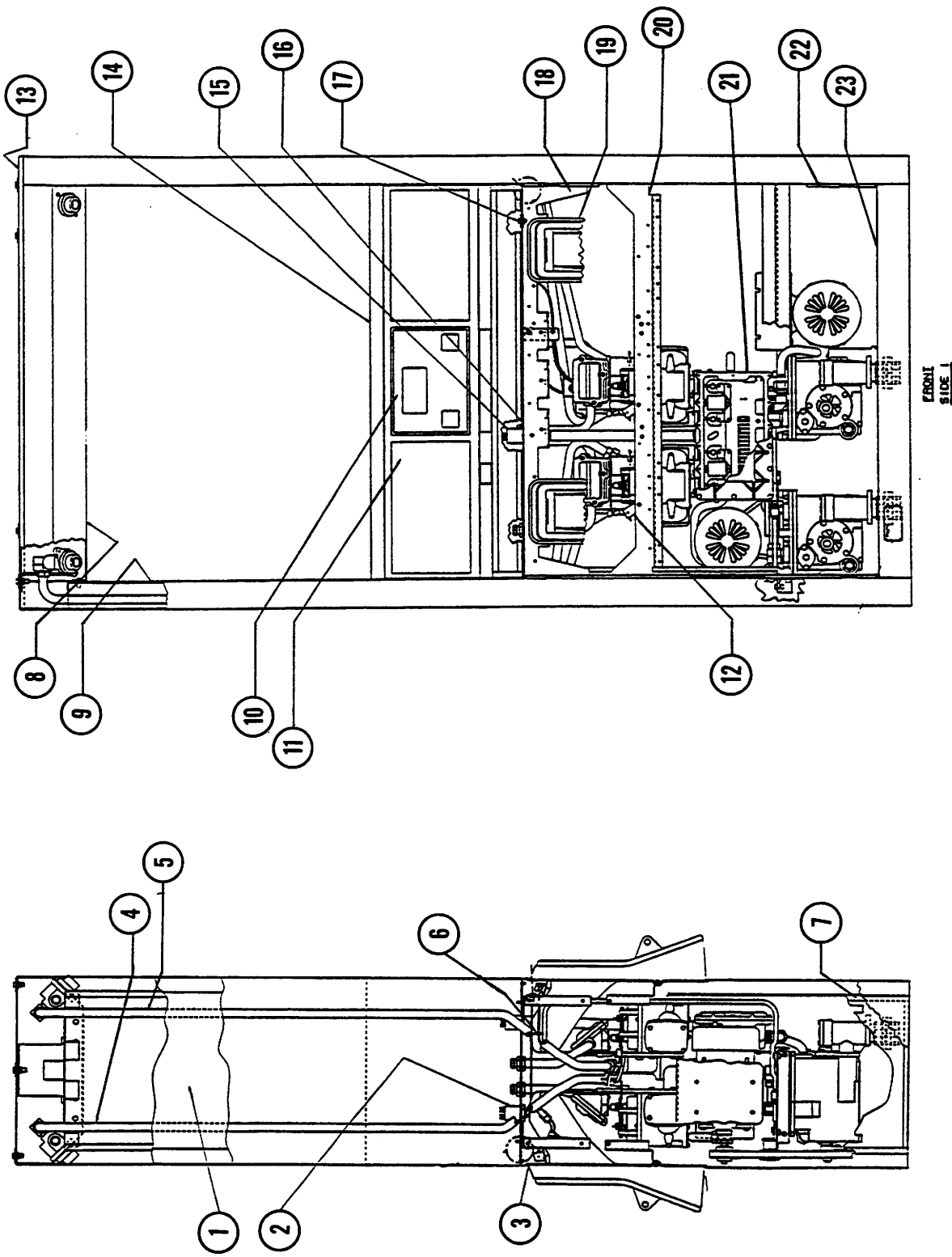


Figure 10. Final Assembly 1 thru 4-45500 (1 of 2) V399P1 & P3 /P (Front and Left)

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**Figure 10. Final Assembly 1 thru 4-45500 (1 of 2) /V399P1 & P3 /P
(Front and Left) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399P1/P is Final Assembly 1-45500			9	1-47545-J21	2	Sheath-Inner column
	/V399P3/P is Final assembly 2-45500				918291	14	PH.P.H. screw #8 x 1/2
	/V399P1/ is Final Assembly 3-45500				918590	8	Thread insert
	/V399P3/ is Final Assembly 4-45500			10	2-300113-J21	2	Ass'y-Dial face (1 and 3-45500 only)
1	47400	2	Outer-Sheath column		2-300114-J21	2	Ass'y-Dial face (2 and 4-45500 only)
	918291	8	PH.P.H. screw #8 x 1/2		916907	8	P.H.P.H. screw #6-32 x 5/16
	918590	8	Thread insert				
2	39782	1	Cover-Intrinsic safe barrier	11	(See Shared Assemblies manual 917506)		
	513161	2	SL.H.W.H. screw #8 x 3/8		1-47562-J21	2	Ass'y-Bezel (1-45500 only)
	3-39792	1	Ass'y-Potted wire harness		2-47562-J21	2	Ass'y-Bezel (2-45500 only)
	3-126817	1	Flatwasher		4-47562-J21	2	Ass'y-Bezel (3-45500 only)
	2-129498	1	Conduit locknut 1/2		5-47562-J21	2	Ass'y-Bezel (4-45500 only)
	918066	1	Mounting clamp		A47475-J21	4	Panel-Blank
3	7-47478-0W7	2	Door		916546	12	Plascrew #8 x 5/8
	128993	4	Button Head Dart	12	201755	2	Brkt.-Meter support
	127417	2	Lock		513317	2	Tensilock nut 1/4-20
	4-129642	2	Latch		507295	2	H.H.C.S. 1/4-20 x 3/4
	201761	4	Channel-Door		512795	2	SL.H.W.H.S. #10 x 3/8
4	300441	1	Ass'y-Tube (LR)	13	47412-J21	1	Cover-Dispenser top
	129762	2	Washer-Flare		511096	4	H.H.C. screw 5/16-18 x 7/8
5	300503	1	Ass'y-Tube (LF)		916900	4	Seal washer 5/16
	129762	2	Washer-Flare		511781	6	Flatwasher 7/16
	300155	2	Brkt.-Tube stabilizer		2-916900	2	Seal washer 3/8
	918479	6	H.S.W.H.S. #12-14 x 3/4		507056	2	H.H.C. screw 3/8-16 x 1"
	918463	6	Clamp-Tube support	14	(See Shared Assemblies manual 917506)		
6	1-201751	1	Bracket-Flex drive (L.F.)		5-47540	1	Ass'y-Elect. head
	5-201751	1	Bracket-Flex drive (M.F.)		905245	4	Flatwasher 1/4
	6-201751	1	Bracket-Flex drive (M.R.)		918210	4	Stop nut 1/4-20
	916571	6	Bearing-Flange (nylon)		3-47114	2	Ass'y-Wire harness (DC)
	512795	4	Taptite #10 x 3/8		918066	2	Mounting clamp
7	2-45352	2	Column		880519-003	1	Dual power supply (1 and 3-45500 only)
8	(See Shared Assemblies manual 917506)				881647-004	1	Disp. Elect. Module (F)
	4-47372-J21	1	Ass'y-Top plate chassis		881647-005	1	Disp. Elect. Module (R) (2 and 4-45500 only)
	918161	4	Caged nut 5/16-18		881645-004	1	Disp. Elect. Module (F)
	507054	8	H.H.C. screw 5/16-18 x 1"		881645-005	1	Disp. Elect. Module (R)
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
	39958	2	Support-Lift brkt.				

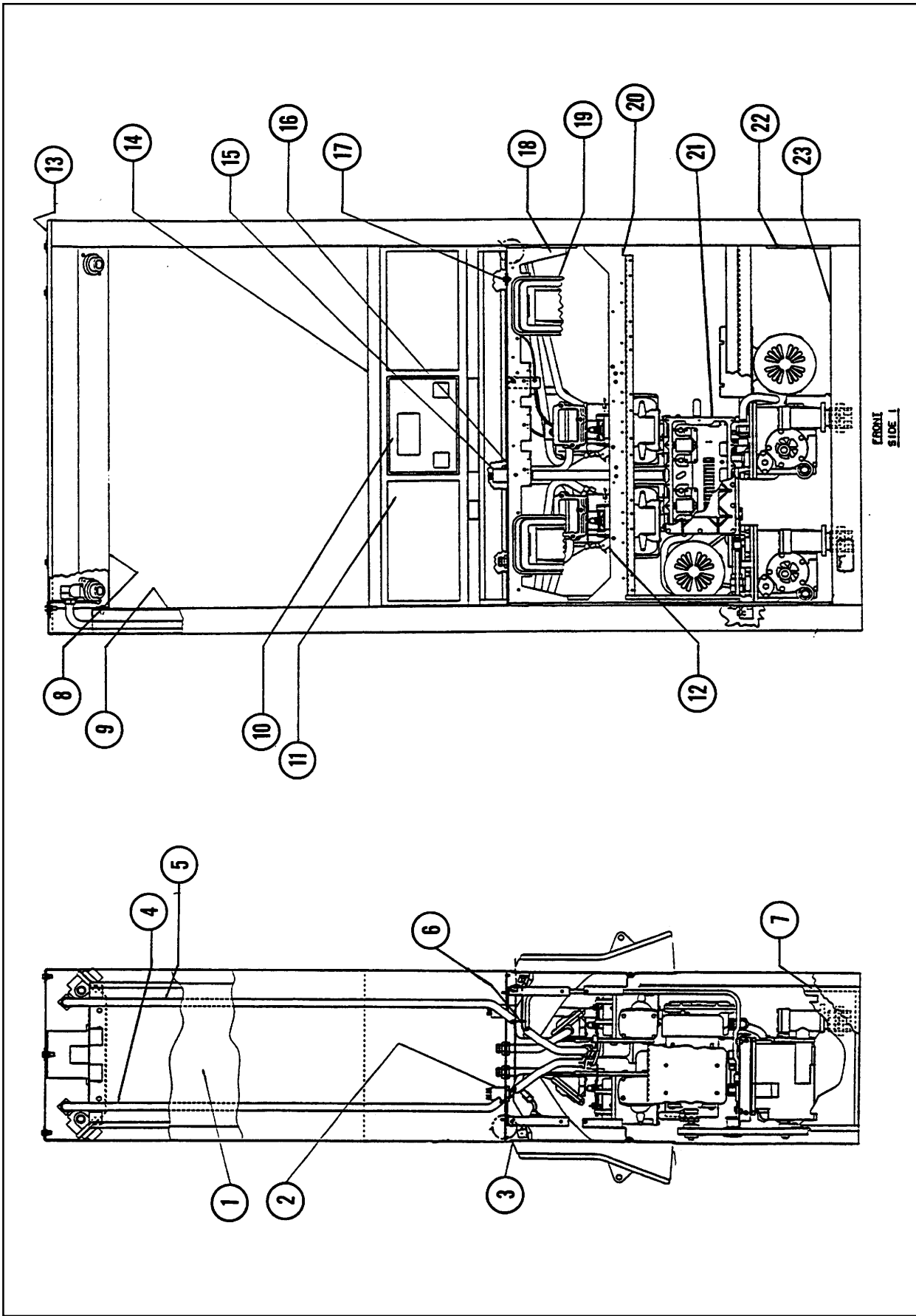


Figure 10. Con:t. Final Assembly 1 thru 4-45500 (1 of 2) /V399P1 & P3 /P (Front and Left)

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**Figure 10. Con't. Final Assembly 1 thru 4-45500 (1 of 2) /V399P1 & P3 /P
(Front and Left) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	61-39785	1	Ass'y-Potted wire harness	23	47386-J21	2	Base half
	129710	1	Coupling		902017	12	Lockwasher 5/16
	507868	2	Hex nut #8-32		509584	12	Hex nut 5/16-18
	916736	2	Lockwasher #8		507284	12	H.H.C. screw 5/16-18 x 3/4
	918137	2	P.H.P.H. screw #8-32 x 1/2				
	512724	1	Conduit locknut 3/4				
	300102	1	Conduit-Junction box				
	3-126817	1	Flatwasher				
16	47593	1	Ass'y-Vapor barrier				
	4-39781	1	Ground plate				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	129732	2	Gasket				
17	507053	5	H.H.C. screw 5/16-18 x 5/8				
	1-916931	10	Flatwasher				
	4-916931	5	Flatwasher				
	511883	5	Stop nut 5/16-18				
18	47592	2	Support-Nozzle boot				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
19	(See Shared Assemblies manual 917506)						
	1-47407	3	Ass'y-Nozzle boot				
	4-47407	1	Ass'y-Nozzle boot (LF)				
	47377	4	Collar-Nozzle boot				
	916695	8	Taptite screw 1/4-20 x 7/8				
	905245	8	Flatwasher 1/4				
	2-122288	1	Ass'y.-Conn & screen				
20	47592	2	Support-Lower nozzle				
	507284	12	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	918161	8	Caged nut 5/16-18				
21	(See Shared Assemblies manual 917506)						
	76-39804	1	Ass'y-Junction box				
	39778	1	Cover-Junction box				
	3-916695	14	Taptite screw 1/4-20 x 7/8				
	916636	3	Taptite screw 1/4-20 x 1/2				
	916591	1	Screw #10-32 x 3/8				
	916877	1	Cup washer #10				
22	2-47399	4	Door stop				
	918291	12	P.H.P.H. screw #8 x 1/2				
	5-129818	8	Gaske				

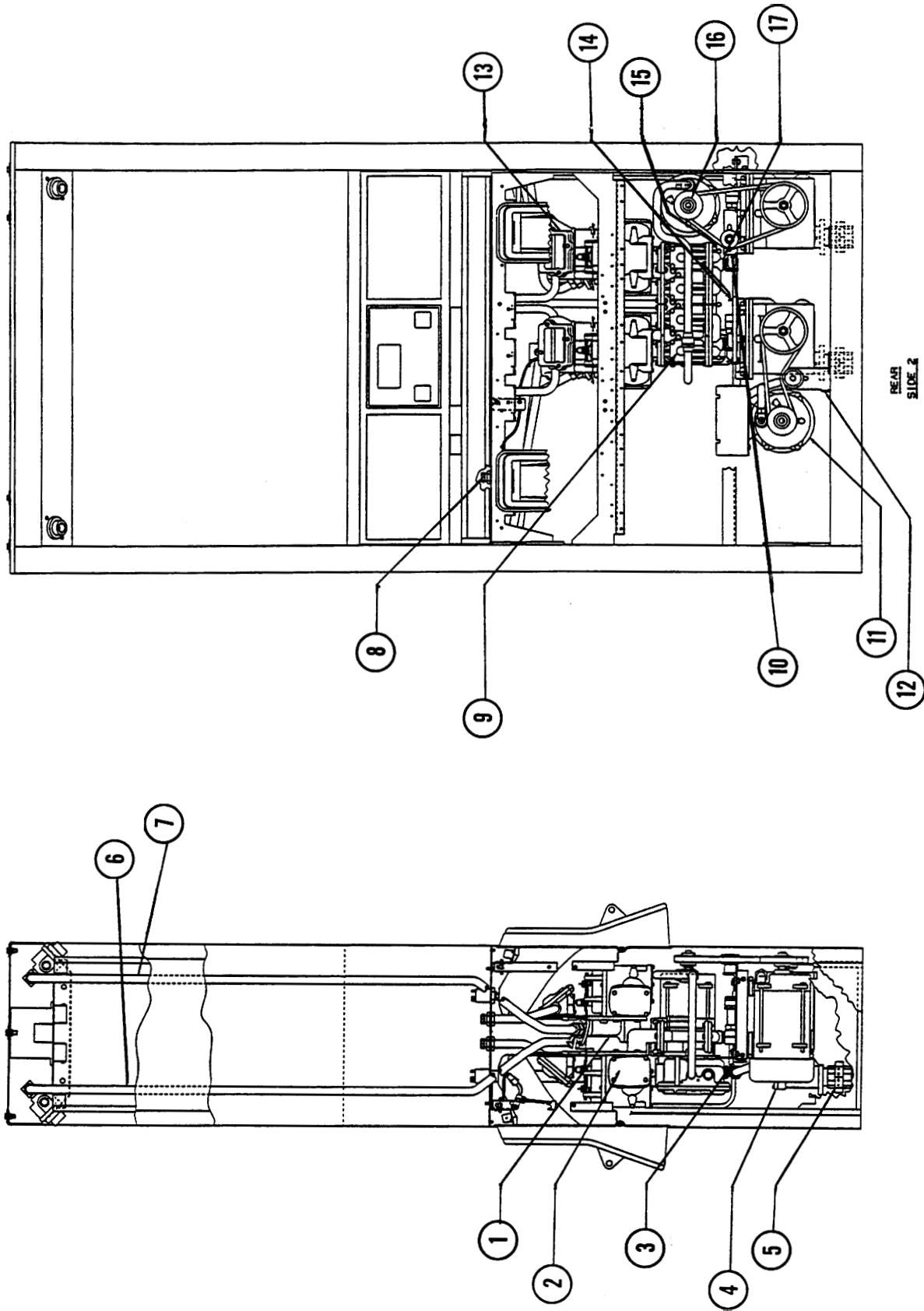


Figure 10. Final Assembly 1 thru 4-45500 (2 of 2) /V399P1 & P3 /P (Rear and Right)

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**Figure 10. Con't. Final Assembly 1 thru 4-45500 (2 of 2) /V399P1 & P3 /P
(Rear and Right) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506)						
	44-39786	1	Ass'y-Meter support (M.F.)		129498	8	Conduit locknut 1/2
	19-39786	1	Ass'y-Meter support (L.F.)		907121	4	End bushing
	50-39786	1	Ass'y-Meter support (M.R.)	9	(See Shared Assemblies manual 917506)		
	39-39786	1	Ass'y-Meter support (L.R.)		1-47576	4	Ass'y-Diaphragm valve
	511096	12	H.H.C. screw 5/16-18 x 7/8		511096	12	H.H.C. screw 5/16-18 x 7/8
	916760	8	H.H. screw #8 x 1/2		916695	8	Taptite screw 1/4-20 x 7/8
	918224	4	Str. conn. 7/8 x 3/4		918237	4	"O" Ring
2	(See Shared Assemblies manual 917506)			10	201856	1	Brkt.-Idler pulley
	23-39310	4	Ass'y-Meter		507284	1	H.H.C.S. 5/16-18 x 3/4
	300314	4	Ass'y-Chk. & P.R. valve		509584	1	Hex nut 5/16-18
	120722	4	"O" ring-Inlet		902017	1	Lockwasher 5/16
	120723	4	"O" ring-Discharge		918422	1	Pulley-Idler
	511096	14	H.H.C. screw 5/16-18 x 7/8		902018	1	Lockwasher 3/8
	511748	2	H.H.C. screw 5/16-18 x 2-1/2		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
					511781	2	Flatwasher 3/8
	(See Shared Assemblies manual 917506)				511275	1	Hex nut 3/8-16
3	201826	2	Brkt.-Support	11	1-38322	1	Motor-3/4 HP
	507284	8	H.H.C. screw 5/16-18 x 3/4		116341	1	Belt
	902017	8	Lockwasher 5/16		47620	1	Brkt.-Motor support
	509584	8	Hex nut 5/16-18		507284	8	H.H.C. screw 5/16-18 x 3/4
	3-47589	2	Support-Compact unit		902017	8	Lockwasher 5/16
	4-47579	2	Ass'y-Compact unit		509584	8	Hex nut 5/16-18
	918223	2	Elbow 7/8 x 3/4		300494	1	Conduit-Motor (Center)
	907070	1	Elbow 3/8 x 1/4		27944	1	Pully-(Reversed)
	918583	1	Tee 3/8 x 1/4	12	300357	1	Brkt.-Idler pulley
	918621	6	H.H.C.S. M8 x 1.25 x 60mm		507284	1	H.H.C.S. 5/16-18 x 3/4
	902017	12	Lockwasher 5/16		509584	1	Hex nut 5/16-18
	28007	2	Pulley		902017	1	Lockwasher 5/16
	115550	2	Key		918422	1	Pulley-Idler
	511670	2	Jam nut 5/8-18		902018	1	Lockwasher 3/8
4	201829	2	Ass'y.-Strainer casting		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
	129882	2	Gasket-Inlet		511781	2	Flatwasher 3/8
	3-918626	8	H.H.C.S. M8 x 1.25 x 18.mm		511275	1	Hex nut 3/8-16
5	1-127756-750	2	Nipple 1-1/2	13	(See Shared Assemblies manual 917506)		
	512101	2	Union 1-1/2		25-39348	4	Ass'y-Pulser
6	300526	1	Ass'y-Tube (R.F.)		507254	8	H.H.C. screw 1/4-20 x 1/2
	129762	2	Washer flare		5-39790	3	Bracket
					2-39790	1	Bracket
7	300532	1	Ass'y-Tube		916636	8	Taptite screw 1/4-20 x 1/2
	129762	2	Washer flare		904438	8	Lockwasher 1/4
8	13-46698	3	Ass'y-Conduit-Pulser (M.F.-M.R.-L.F.)				
	14-46698	1	Ass'y-Conduit-Pulser (L.R.)				
	126817	8	Flatwasher				

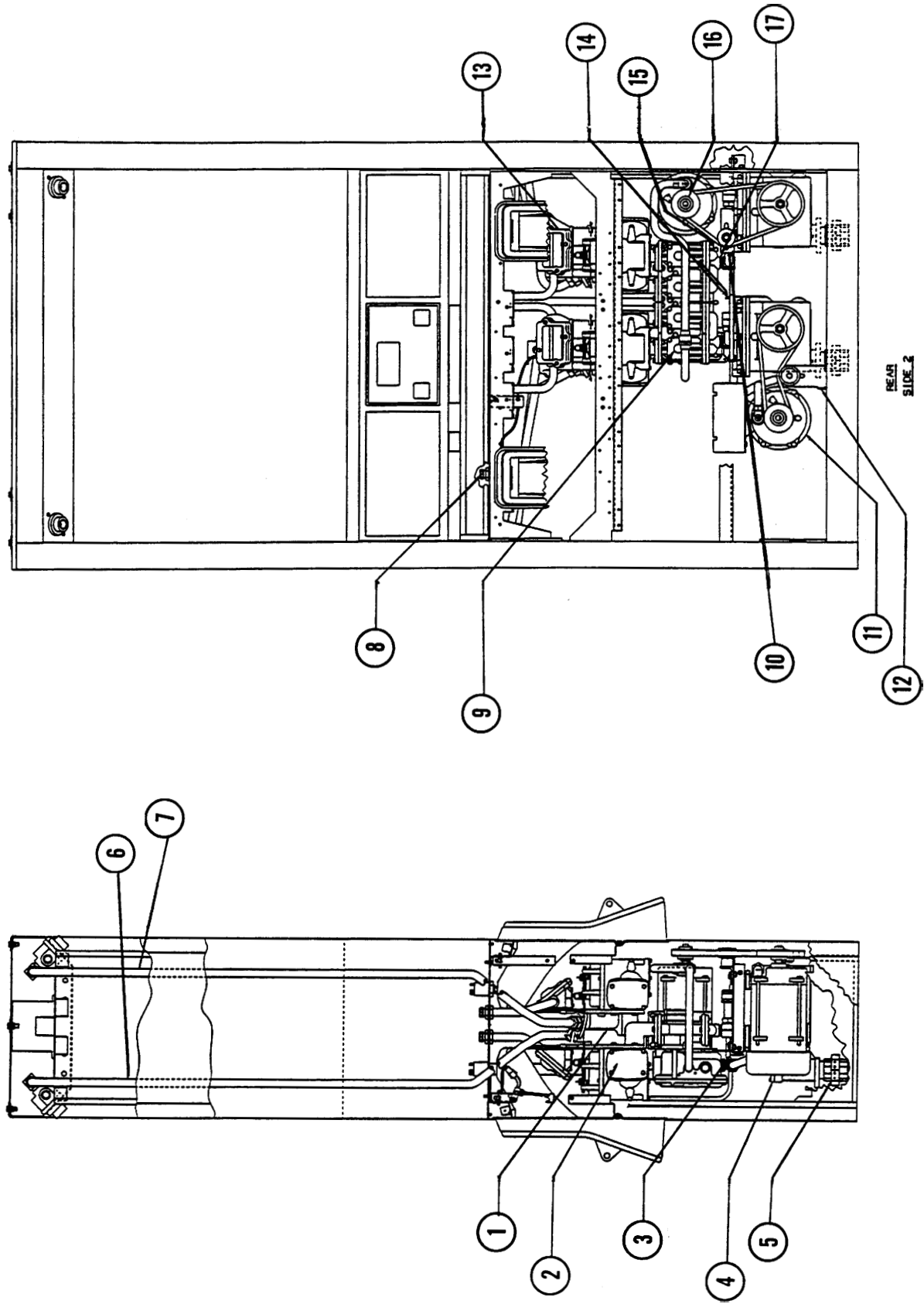


Figure 10. Con't. Final Assembly 1 thru 4-45500 (2 of 2) N399P1 & P3 /P (Rear and Right)

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**Figure 10. Con't. Final Assembly 1 thru 4-45500 (2 of 2) /V399P1 & P3 /P
(Rear and Right) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
14	47588	1	Ass'y-Tube (Nozzle to L. Comp. tee)				
	300542	1	Ass'y-Tube (Center Comp. to L. Comp.)				
15	300364	1	Brkt.-Junction Box support				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	2	Lockwasher 5/16				
	509584	2	Hex nut 5/16-18				
16	1-38322	1	Motor-3/4 HP				
	116341	1	Belt				
	47613	1	Brkt.-Motor support				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	4	Hex nut 5/16-18				
	904314	4	Flatwasher 5/16				
	918161	4	Caged nut 5/16-18				
	300361	1	Conduit-Motor (L.H.)				
	27944	1	Pully-(Reversed)				
17	1-300442	1	Ass'y.-Manifold & Elbow				
	2-300442	1	Ass'y.-Manifold & Elbow				
	108380	4	Gasket				
	511096	12	H.H.C.S. 5/16-18 x 7/8				
	300423	1	Ass'y.-Tube				
	300425	1	Ass'y.-Tube				
	129762	4	Washer-Flare				

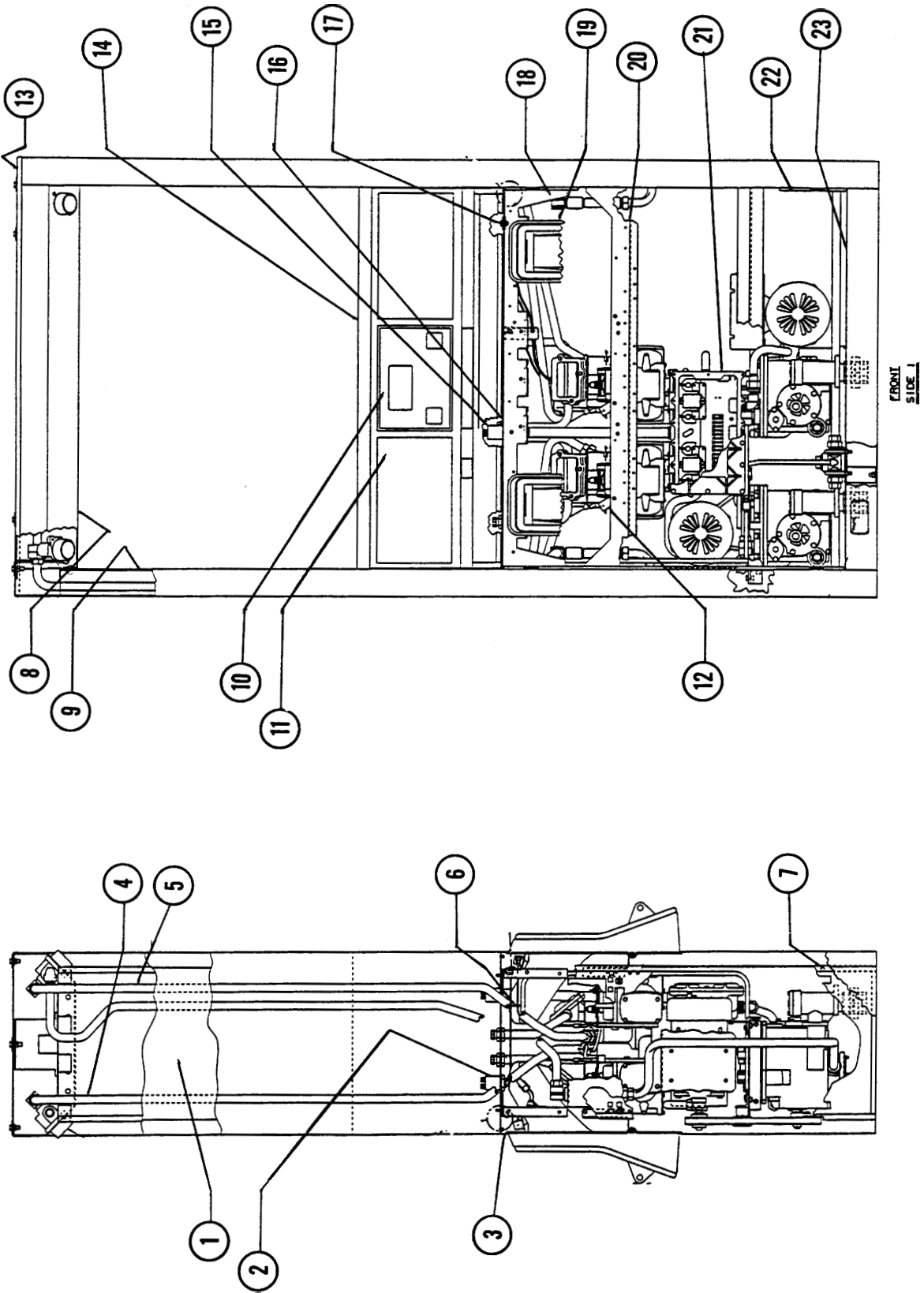


Figure 11. Final Assembly 1 thru 4-45502 (1 of 2) /V399P1 & P3 /PQ & Q (Front and Left)

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**Figure 11. Final Assembly 1 thru 4-45502 (1 of 2) /V399P1 & P3 /PQ & Q
(Front and Left) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399P1/PQ is Final Assembly 1-45502			9	1-47545-J21	2	Sheath-Inner column
	/V399P3/PQ is Final assembly 2-45502				918291	14	PH.P.H. screw #8 x 1/2
	/V399P1/Q is Final Assembly 3-45502				918590	8	Thread insert
	/V399P3/Q is Final Assembly 4-45502			10	2-300113-J21	2	Ass'y-Dial face (1 and 3-45502 only)
1	47400	2	Outer-Sheath column		2-300114-J21	2	Ass'y-Dial face (2 and 4-45502 only)
	918291	8	PH.P.H. screw #8 x 1/2		916907	8	P.H.P.H. screw #6-32 x 5/16
	918590	8	Thread insert				
2	39782	1	Cover-Intrinsic safe barrier	11	(See Shared Assemblies manual 917506)		
	513161	2	SL.H.W.H. screw #8 x 3/8		1-47562-J21	2	Ass'y-Bezel (1-45502 only)
	3-39792	1	Ass'y-Potted wire harness		2-47562-J21	2	Ass'y-Bezel (2-45502 only)
	3-126817	1	Flatwasher		4-47562-J21	2	Ass'y-Bezel (3-45502 only)
	2-129498	1	Conduit locknut 1/2		5-47562-J21	2	Ass'y-Bezel (4-45502 only)
	918066	1	Mounting clamp		A47475-J21	4	Panel-Blank
3	7-47478-0W7	2	Door		916546	12	Plascrew #8 x 5/8
	128993	4	Button Head Dart	12	201755	2	Brkt.-Meter support
	127417	2	Lock		513317	2	Tensilock nut 1/4-20
	4-129642	2	Latch		507295	2	H.H.C.S. 1/4-20 x 3/4
	201761	4	Channel-Door		512795	2	SL.H.W.H.S. #10 x 3/8
4	300441	1	Ass'y-Tube (LR)	13	47412-J21	1	Cover-Dispenser top
	129762	2	Washer-Flare		511096	4	H.H.C. screw 5/16-18 x 7/8
5	300503	1	Ass'y-Tube (LF)		916900	4	Seal washer 5/16
	129762	2	Washer-Flare		511781	6	Flatwasher 7/16
	300155	2	Brkt.-Tube stabilizer		2-916900	2	Seal washer 3/8
	918479	6	H.S.W.H.S. #12-14 x 3/4		507056	2	H.H.C. screw 3/8-16 x 1"
	918463	6	Clamp-Tube support	14	(See Shared Assemblies manual 917506)		
6	1-201751	1	Bracket-Flex drive (L.F.)		5-47540	1	Ass'y-Elect. head
	5-201751	1	Bracket-Flex drive (M.F.)		905245	8	Flatwasher 1/4
	6-201751	1	Bracket-Flex drive (M.R.)		918210	8	Stop nut 1/4-20
	916571	6	Bearing-Flange (nylon)		3-47114	2	Ass'y-Wire harness (DC)
	512795	3	Taptite #10 x 3/8		918066	2	Mounting clamp
7	2-45352	2	Column		880519-003	1	Dual power supply (1 and 3-45502 only)
8	(See Shared Assemblies manual 917506)				881647-004	1	Disp. Elect. Module (F)
	50-47372-J21	1	Ass'y-Top plate chassis		881647-005	1	Disp. Elect. Module (R)
	918161	4	Caged nut 5/16-18		(2 and 4-45502 only)		
	507054	8	H.H.C. screw 5/16-18 x 1"		881645-004	1	Disp. Elect. Module (F)
	902017	8	Lockwasher 5/16		881645-005	1	Disp. Elect. Module (R)
	509584	8	Hex nut 5/16-18				
	39958	2	Support-Lift brkt.				

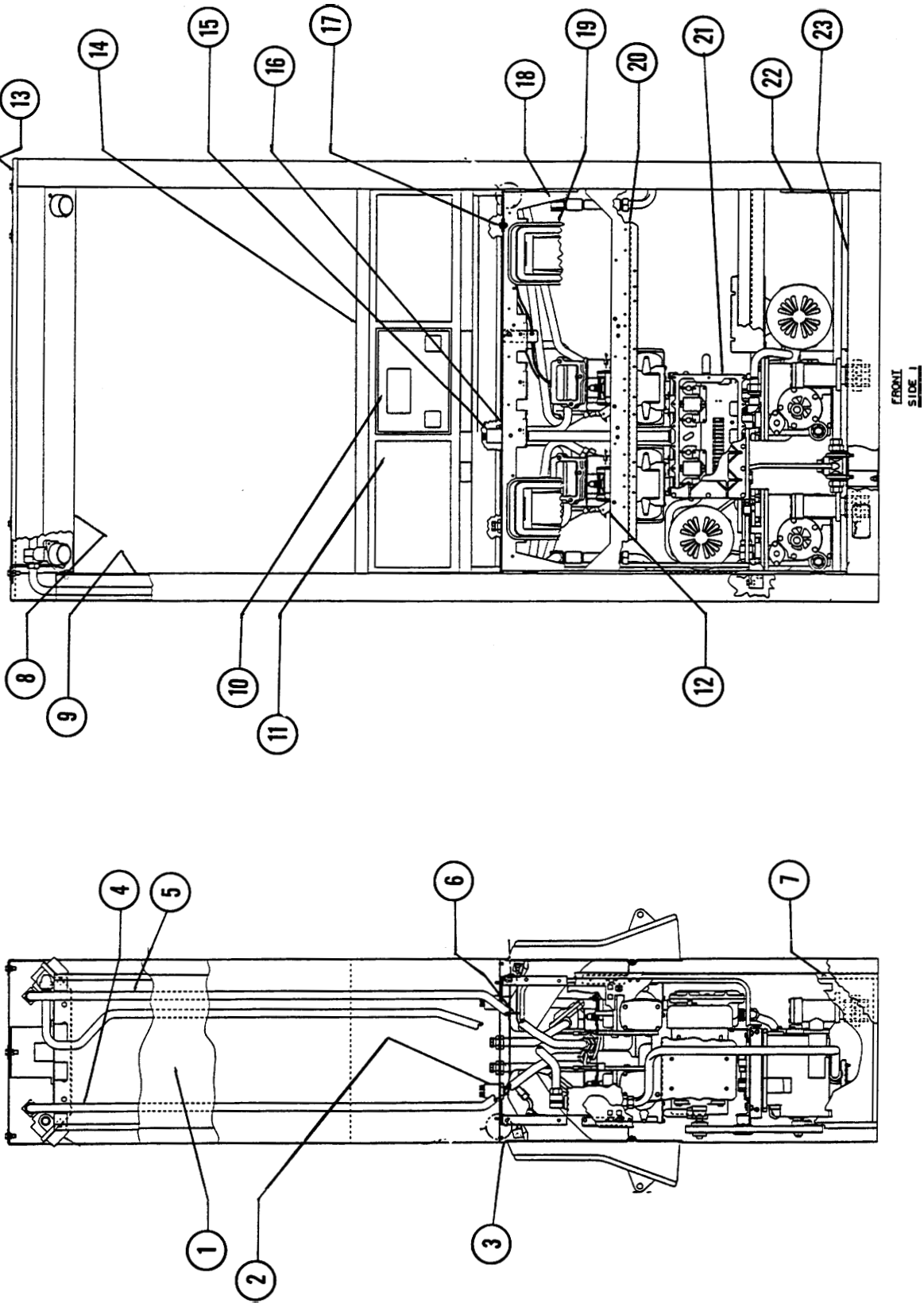


Figure 11. Con't. Final Assembly 1 thru 4-45502 (1 of 2) /V399P1 & P3 /PQ & Q (Front and Left)

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**Figure 11. Con't. Final Assembly 1 thru 4-45502 (1 of 2) /V399P1 & P3 /PQ & Q
(Front and Left) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	61-39785	1	Ass'y-Potted wire harness	23	47386-J21	2	Base half
	129710	1	Coupling		902017	12	Lockwasher 5/16
	507868	2	Hex nut #8-32		509584	12	Hex nut 5/16-18
	916736	2	Lockwasher #8		507284	12	H.H.C. screw 5/16-18 x 3/4
	918137	2	P.H.P.H. screw #8-32 x 1/2				
	512724	1	Conduit locknut 3/4				
	300102	1	Conduit-Junction box				
	3-126817	1	Flatwasher				
16	47593	1	Ass'y-Vapor barrier				
	4-39781	1	Ground plate				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	129732	2	Gasket				
17	507053	3	H.H.C. screw 5/16-18 x 5/8				
	1-916931	6	Flatwasher				
	4-916931	3	Flatwasher				
	511883	3	Stop nut 5/16-18				
18	47594	2	Support-Nozzle boot				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
19	(See Shared Assemblies manual 917506)						
	2-47407	3	Ass'y-Nozzle boot				
	5-47407	1	Ass'y-Nozzle boot (LF)				
	47377	4	Collar-Nozzle boot				
	916695	8	Taptite screw 1/4-20 x 7/8				
	905245	8	Flatwasher 1/4				
	2-122288	1	Ass'y.-Conn & screen				
20	47592	2	Support-Lower nozzle				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	918161	8	Caged nut 5/16-18				
21	(See Shared Assemblies manual 917506)						
	76-39804	1	Ass'y-Junction box				
	39778	1	Cover-Junction box				
	3-916695	14	Taptite screw 1/4-20 x 7/8				
	916636	3	Taptite screw 1/4-20 x 1/2				
	916591	1	Screw #10-32 x 3/8				
	916877	1	Cup washer #10				
22	2-47399	4	Door stop				
	918291	12	P.H.P.H. screw #8 x 1/2				
	5-129818	8	Gaske				

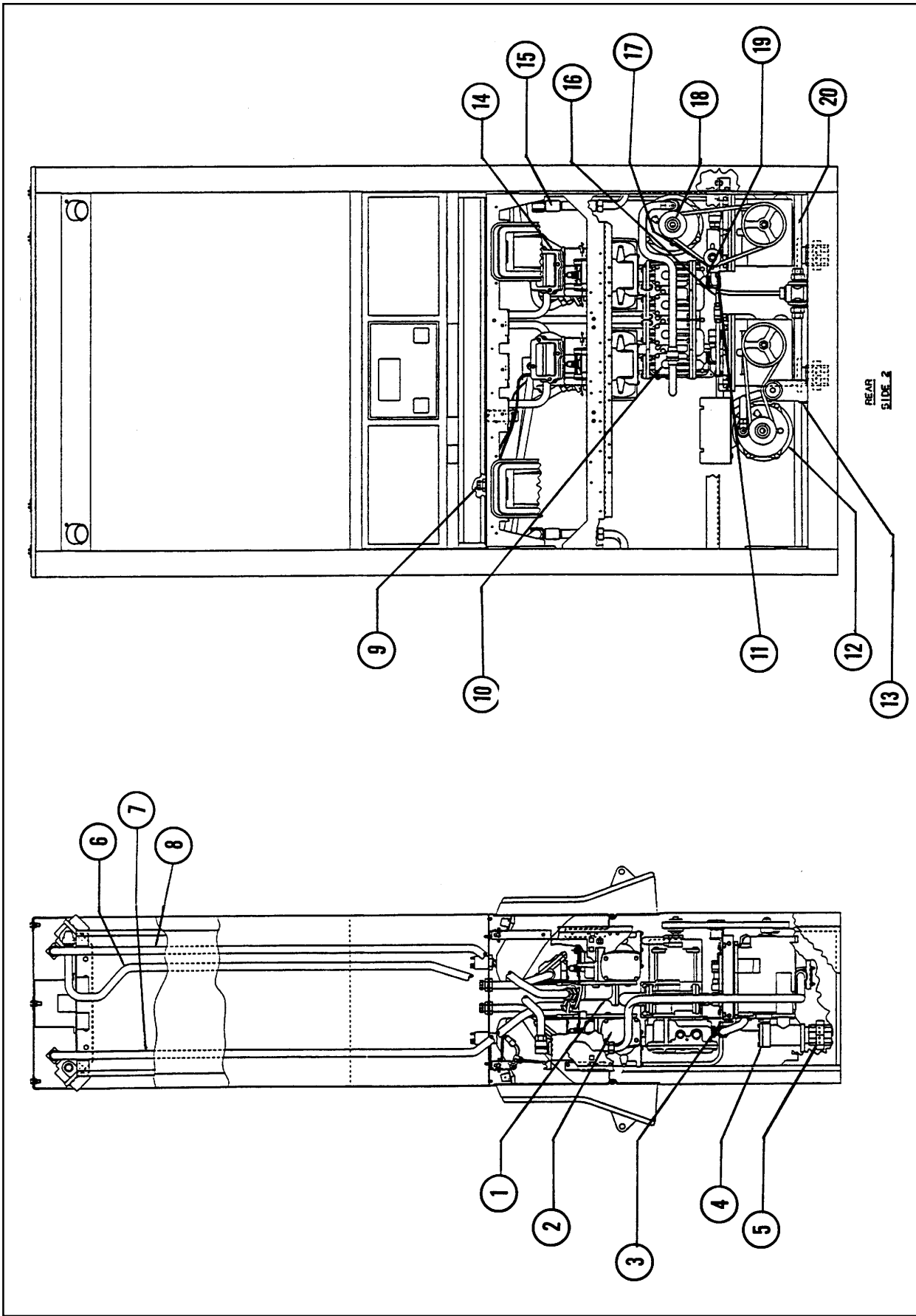


Figure 11. Con't. Final Assembly 1 thru 4-45502 (2 of 2) /V399P1 & P3 /PQ & Q (Rear and Right)

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**Figure 11. Con't. Final Assembly 1 thru 4-45502 (2 of 2) /V399P1 & P3 /PQ & Q
(Rear and Right) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506)			9	13-46698	3	Ass'y-Conduit-Pulser (M.F.-M.R.-L.F.)
	44-39786	1	Ass'y-Meter support .(M.F.)		14-46698	1	Ass'y-Conduit-Pulser (L.R.)
	19-39786	1	Ass'y-Meter support (L.F.)		126817	8	Flatwasher
	50-39786	1	Ass'y-Meter support .(M.R.)		129498	8	Conduit locknut 1/2
	39-39786	1	Ass'y-Meter support (L.R.)		907121	4	End bushing
	511096	12	H.H.C. screw 5/16-18 x 7/8	10	(See Shared Assemblies manual 917506)		
	916760	8	H.H. screw #8 x 1/2		1-47576	4	Ass'y-Diaphragm valve
	918224	4	Str. conn. 7/8 x 3/4		511096	12	H.H.C. screw 5/16-18 x 7/8
2	(See Shared Assemblies manual 917506)				916695	8	Taptite screw 1/4-20 x 7/8
	23-39310	4	Ass'y-Meter		918237	4	"O" Ring
	300314	4	Ass'y-Chk. & P.R. valve	11	201856	1	Brkt.-Idler pulley
	120722	4	"O" ring-Inlet		507284	1	H.H.C.S. 5/16-18 x 3/4
	120723	4	"O" ring-Discharge		509584	1	Hex nut 5/16-18
	511096	14	H.H.C. screw 5/16-18 x 7/8		902017	1	Lockwasher 5/16
	511748	2	H.H.C. screw 5/16-18 x 2-1/2		918422	1	Pulley-Idler
	(See Shared Assemblies manual 917506)				902018	1	Lockwasher 3/8
3	201826	2	Brkt.-Support		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
	507284	8	H.H.C. screw 5/16-18 x 3/4		511781	2	Flatwasher 3/8
	902017	8	Lockwasher 5/16		511275	1	Hex nut 3/8-16
	509584	8	Hex nut 5/16-18	12	1-38322	1	Motor-3/4 HP
	3-47589	2	Support-Compact unit		116341	1	Belt
	4-47579	2	Ass'y-Compact unit		47620	1	Brkt.-Motor support
	918223	2	Elbow 7/8 x 3/4		507284	8	H.H.C. screw 5/16-18 x 3/4
	907070	1	Elbow 3/8 x 1/4		902017	8	Lockwasher 5/16
	918583	1	Tee 3/8 x 1/4		509584	8	Hex nut 5/16-18
	2-918621	6	H.H.C.S. M8 x 1.25 x 60mm		300494	1	Conduit-Motor (Center)
	902017	12	Lockwasher 5/16		27944	1	Pully-(Reversed)
	28007	2	Pulley	13	300357	1	Brkt.-Idler pulley
	115550	2	Key		507284	1	H.H.C.S. 5/16-18 x 3/4
	511670	2	Jam nut 5/8-18		509584	1	Hex nut 5/16-18
4	201829	2	Ass'y.-Strainer casting		902017	1	Lockwasher 5/16
	129882	2	Gasket-Inlet		918422	1	Pulley-Idler
	3-918626	8	H.H.C.S. M8 x 1.25 x 18.mm		902018	1	Lockwasher 3/8
5	1-127756-750	2	Nipple 1-1/2		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
	512101	2	Union 1-1/2		511781	2	Flatwasher 3/8
6	300445	2	Ass'y. Tube- (Top plate to Vac Motor)		511275	1	Hex nut 3/8-16
	129762	2	Washer flare	14	(See Shared Assemblies manual 917506)		
7	300526	1	Ass'y-Tube (R.F.)		25-39348	4	Ass'y-Pulser
	129762	2	Washer flare		507254	8	H.H.C. screw 1/4-20 x 1/2
8	300532	1	Ass'y-Tube		5-39790	3	Bracket
	129762	2	Washer flare		2-39790	1	Bracket
					916636	8	Taptite screw 1/4-20 x 1/2
					904438	8	Lockwasher 1/4

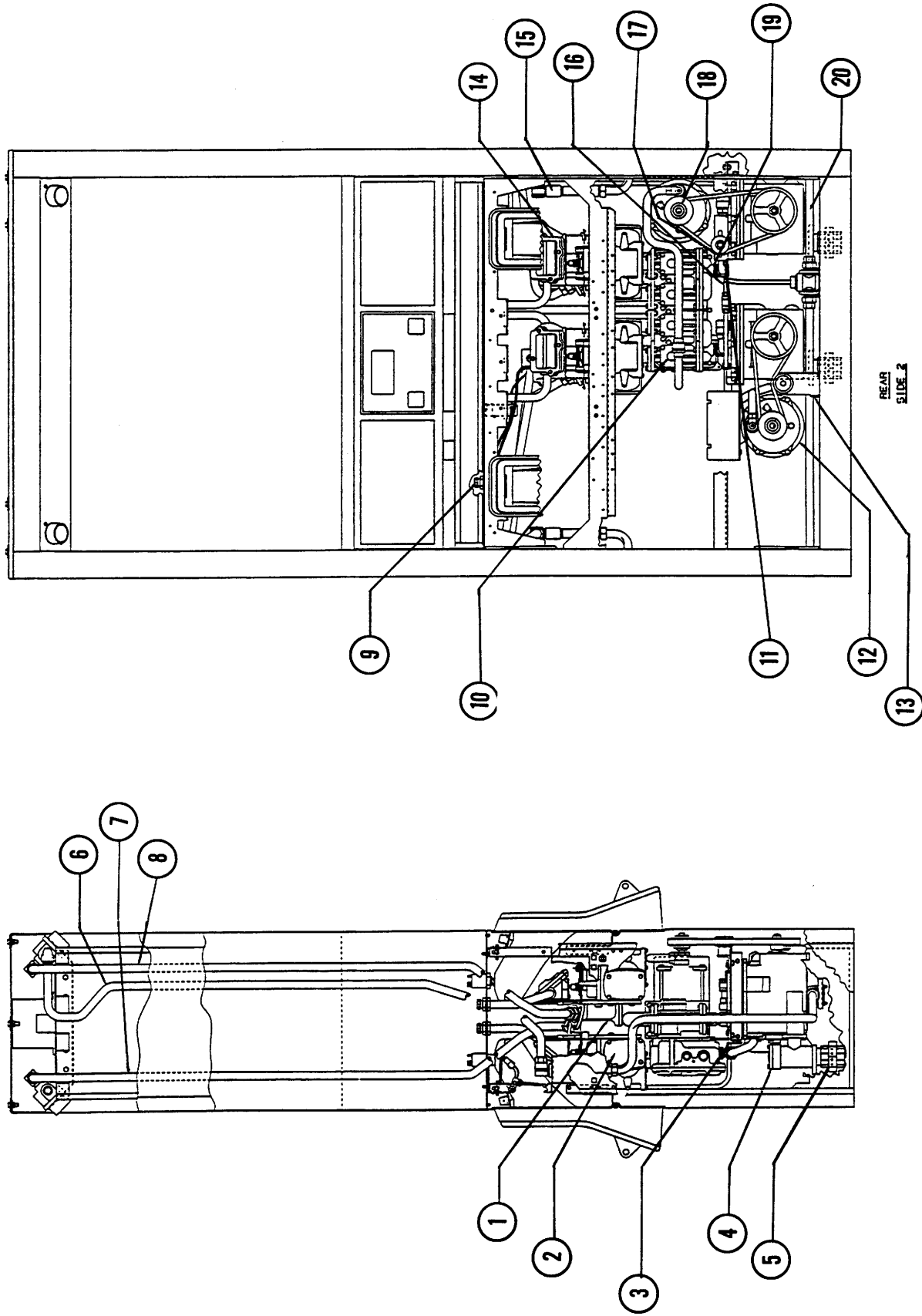


Figure 11. Con't. Final Assembly 1 thru 4-45502 (2 of 2) /V399P1 & P3 /PQ & Q (Rear and Right)

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**Figure 11. Con't. Final Assembly 1 thru 4-45502 (2 of 2) /V399P1 & P3 /P
(Rear and Right) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	4-201825	2	Ass'y-Adapter tube				
16	300525	1	Ass'y-Tube (Center Comp. to tee)				
	300499	1	Ass'y-Tube (Union tee to L. Comp.)				
	47588	1	Ass'y.-Tube (Nozzle to L. Comp. tee)				
	918531	1	Union tee 3/8				
	300498	1	Ass'y.-Tube (Union tee to Ass'y. cross)				
17	300364	1	Brkt.-Junction Box support				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	2	Lockwasher 5/16				
	509584	2	Hex nut 5/16-18				
18	1-38322	1	Motor-3/4 HP				
	116341	1	Belt				
	47613	1	Brkt.-Motor support				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	4	Hex nut 5/16-18				
	904314	4	Flatwasher 5/16				
	918161	4	Caged nut 5/16-18				
	300361	1	Conduit-Motor (L.H.)				
	27944	1	Pully-(Reversed)				
19	1-300442	1	Ass'y.-Manifold & Elbow				
	2-300442	1	Ass'y.-Manifold & Elbow				
	108380	4	Gasket				
	511096	12	H.H.C.S. 5/16-18 x 7/8				
	300423	1	Ass'y.-Tube				
	300425	1	Ass'y.-Tube				
	129762	4	Washer-Flare				
20	300495	1	Ass'y.-Tube(L.H. Wayne Vac motor to Cross)				
	300496	1	Ass'y.-Tube(R.H. Wayne Vac motor to Cross)				
	129762	4	Washer-Flare				
	9-300236	1	Ass'y.-Cross				
	300500	1	Brkt.-Vapor tube				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	6	Lockwasher 5/16				
	918161	2	Caged nut 5/16-18				
	509584	4	Hex nut 5/16-18				
	2-127422	2	"U"-Bolt				

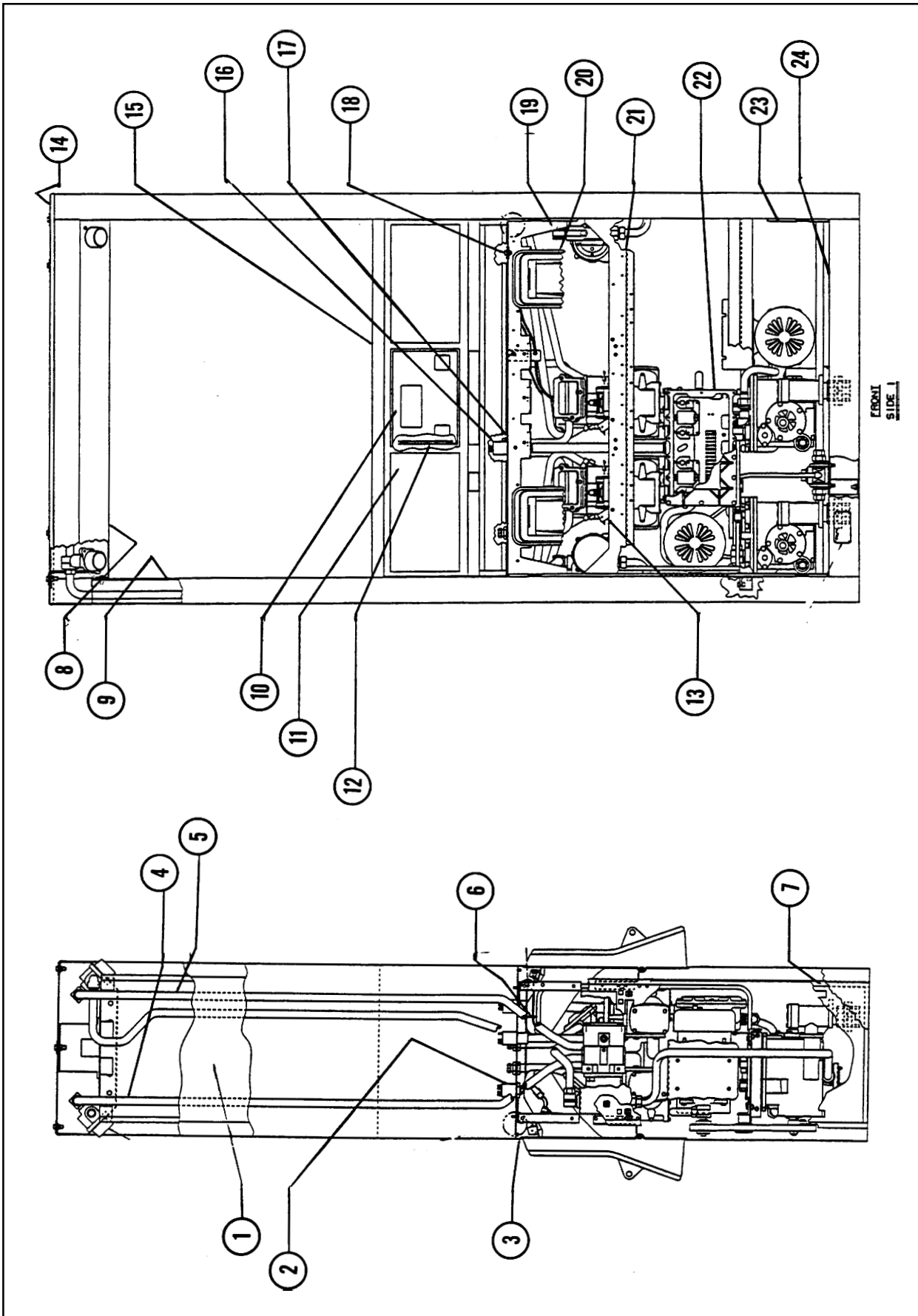


Figure 12. Final Assembly 1 thru 8-45493 (1 of 2) /N399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q (Front and Left) (Wayne Vac)

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**Table 12. Final Assembly 1 thru 8-45493 (1 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q
(Front and Left) (Wayne Vac) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399P1/D1PQ is Final Assembly 1-45493				918161	4	Caged nut 5/16-18
	/V399P3/D1PQ is Final Assembly 2-45493				507054	8	H.H.C. screw 5/16-18 x 1"
	/V399P1/D1Q is Final Assembly 3-45493				902017	8	Lockwasher 5/16
	/V399P3/D1Q is Final Assembly 4-45493				509584	8	Hex nut 5/16-18
	/V399P1/D2PQ is Final Assembly 5-45493				39958	2	Support-Lift brkt.
	/V399P3/D2PQ is Final Assembly 6-45493						
	/V399P1/D2Q is Final Assembly 7-45493			9	1-47545-J21	2	Sheath-Inner column
	/V399P3/D2Q is Final Assembly 8-45493				918291	14	PH.P.H. screw #8 x 1/2
					918590	14	Thread insert
1	47400	2	Outer-Sheath column	10	(1,3,5 and 7-45493 only)		
	918291	8	PH.P.H. screw #8 x 1/2		2-300113-J21	2	Ass'y-Dial face
	918590	8	Thread insert		(2,4,6 and 8-45493 only)		
2	39782	1	Cover-Intrinsic safe barrier		2-300114-J21	2	Ass'y-Dial face
	513161	2	SL.H.W.H. screw #8 x 3/8		916907	8	P.H.P.H. screw #6-32 x 5/16
	3-39792	1	Ass'y-Potted wire harness	11	(See Shared Assemblies manual 917506)		
	3-126817	1	Flatwasher		(1 and 5-45493 only)		
	2-129498	1	Conduit locknut 1/2		1-47562-J21	2	Ass'y-Bezel
	918066	1	Mounting clamp		(2 and 6-45493 only)		
3	7-47478-0W7	2	Door		2-47562-J21	2	Ass'y-Bezel
	128993	4	Button Head Dart		(3 and 7-45493 only)		
	127417	2	Lock		4-47562-J21	2	Ass'y-Bezel
	4-129642	2	Latch		(4 and 8-45493 only)		
	201761	4	Channel-Door		5-47562-J21	2	Ass'y-Bezel
4	300441	1	Ass'y-Tube (LR)		A47475-J21	4	Panel-Blank
	129762	2	Washer-Flare		916546	12	Plascrew #8 x 5/8
5	300503	1	Ass'y-Tube (LF)	12	300331	1	Ass'y.-Bracket & Control board
	129762	2	Washer-Flare		513161	4	Scr.-#8 x 3/8
	300155	2	Brkt.-Tube stabilizer		2-300332	2	Ass'y.-Wire harness
	918479	6	H.S.W.H.S. #12-14 x 3/4		300324	2	Ass'y.-Wire harness (Power)
	918463	6	Clamp-Tube support		201821	2	Ass'y.-Wire harness (Plug)
6	1-201751	1	Bracket-Flex drive (L.F.)		880560-001	1	Ass'y.-Cable SW.
	5-201751	1	Bracket-Flex drive (M.F.)	13	201755	2	Brkt.-Meter support
	6-201751	1	Bracket-Flex drive (M.R.)		513317	2	Tensilock nut 1/4-20
	916571	6	Bearing-Flange (nylon)		507295	2	H.H.C.S. 1/4-20 x 3/4
	512795	3	Taptite #10 x 3/8		512795	2	SL.H.W.H.S. #10 x 3/8
7	2-45352	2	Column	14	47412-J21	1	Cover-Dispenser top
8	(See Shared Assemblies manual 917506)				511096	4	H.H.C. screw 5/16-18 x 7/8
	(1 Thru 4-45493 only)				916900	4	Seal washer 5/16
	50-47372-J21	1	Ass'y-Top plate chassis		511781	6	Flatwasher 7/16
	(5 Thru 8-45493 only)				2-916900	2	Seal washer 3/8
	65-47372-J21	1	Ass'y-Top plate chassis		507056	2	H.H.C. screw 3/8-16 x 1"

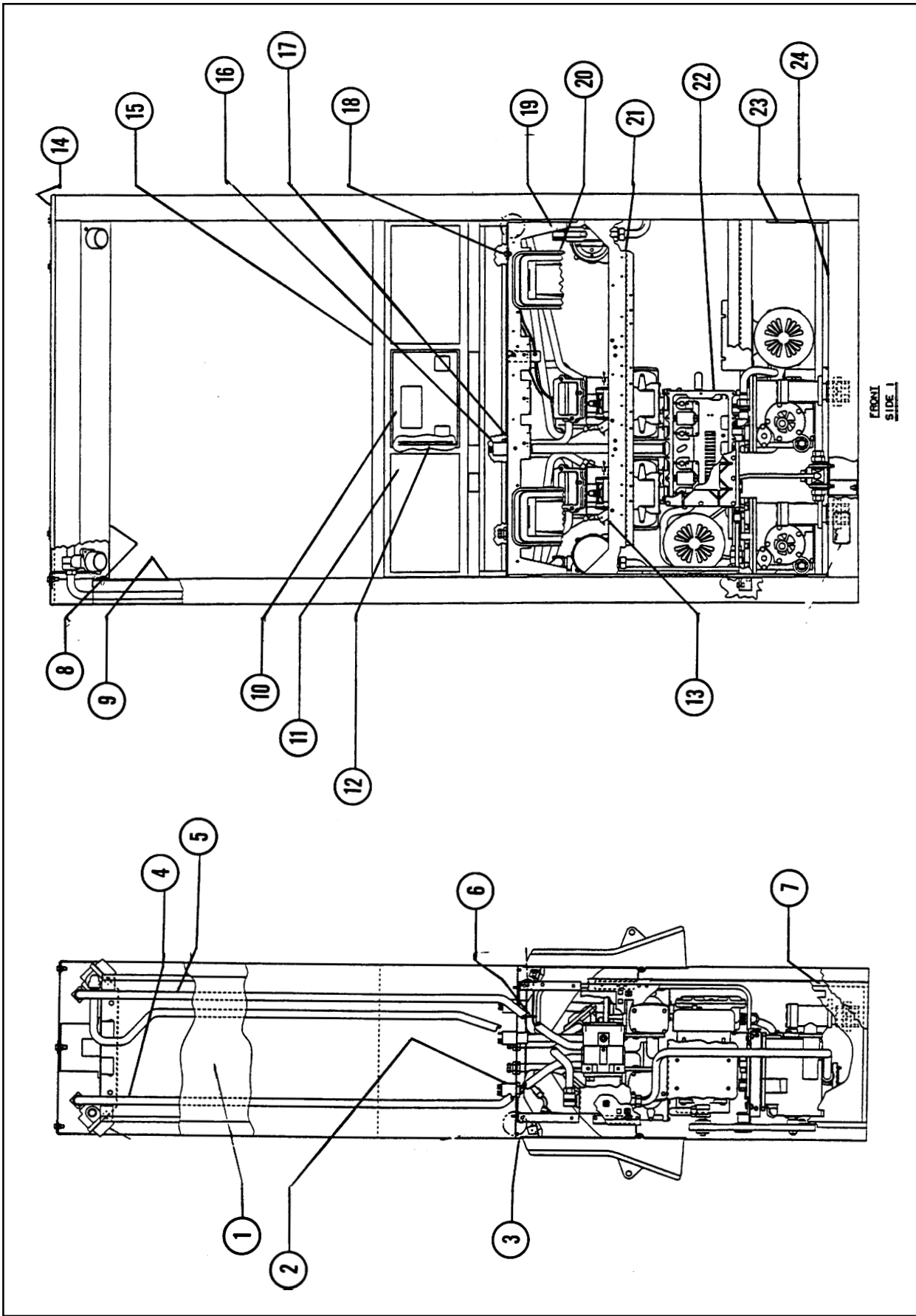


Figure 12. Con't. Final Assembly 1 thru 8-45493 (1 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q (Front and Left) (Wayne Vac)

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**Table 12. Cont. Final Assembly 1 thru 8-45493 (1 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q
(Front and Left) (Wayne Vac) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	(See Shared Assemblies manual 917506)			21	47592	2	Support-Lower nozzle
	5-47540	1	Ass'y-Elect. head		507284	8	H.H.C. screw 5/16-18 x 3/4
	905245	8	Flatwasher 1/4		902017	8	Lockwasher 5/16
	918210	8	Stop nut 1/4-20		918161	8	Caged nut 5/16-18
	3-47114	2	Ass'y-Wire harness (DC)	22	(See Shared Assemblies manual 917506)		
	918066	2	Mounting clamp		76-39804	1	Ass'y-Junction box
	880519-003	1	Dual power supply		39778	1	Cover-Junction box
	(1, 3, 5 and 7-45493 only)				3-916695	14	Taptite screw 1/4-20 x 7/8
	881647-004	1	Disp. Elect. Module (F)		916636	3	Taptite screw 1/4-20 x 1/2
	881647-005	1	Disp. Elect. Module (R)		916591	1	Screw #10-32 x 3/8
	(2, 4, 6 and 8-45493 only)				916877	1	Cup washer #10
	881645-004	1	Disp. Elect. Module (F)	23	2-47399	4	Door stop
	881645-005	1	Disp. Elect. Module (R)		918291	12	P.H.P.H. screw #8 x 1/2
16	61-39785	1	Ass'y-Potted wire harness		5-129818	8	Gaske
	129710	1	Coupling	24	47386-J21	2	Base half
	507868	2	Hex nut #8-32		902017	12	Lockwasher 5/16
	916736	2	Lockwasher #8		509584	12	Hex nut 5/16-18
	918137	2	P.H.P.H. screw #8-32 x 1/2		507284	12	H.H.C. screw 5/16-18 x 3/4
	512724	1	Conduit locknut 3/4				
	300102	1	Conduit-Junction box				
	3-126817	1	Flatwasher				
17	47593	1	Ass'y-Vapor barrier				
	4-39781	1	Ground plate				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	129732	2	Gasket				
18	507053	3	H.H.C. screw 5/16-18 x 5/8				
	1-916931	6	Flatwasher				
	4-916931	3	Flatwasher				
	511883	3	Stop nut 5/16-18				
19	47594	2	Support-Nozzle boot				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	8	Hex nut 5/16-18				
20	(See Shared Assemblies manual 917506)						
	1-47407	3	Ass'y-Nozzle boot				
	4-47407	1	Ass'y-Nozzle boot (LF)				
	47377	4	Collar-Nozzle boot				
	916695	8	Taptite screw 1/4-20 x 7/8				
	905245	8	Flatwasher 1/4				
	2-122288	1	Ass'y.-Conn & screen				

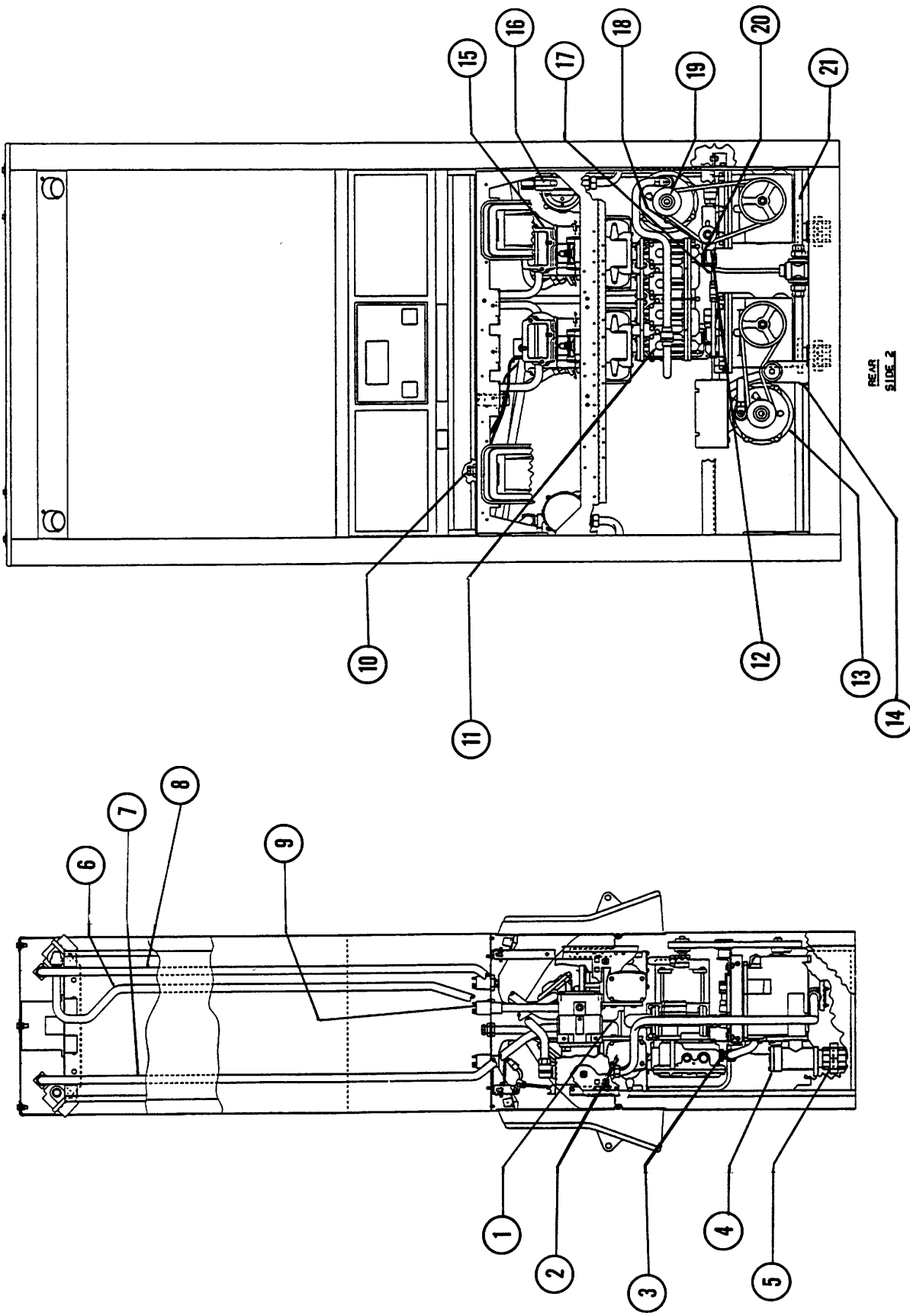


Figure 12. Final Assembly 1 thru 8-45493 (2 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q (Rear and Right) (Wayne Vac)

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**Table 12. Final Assembly 1 thru 8-45493 (2 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q
(Rear and Right) (Wayne Vac) (New CPU)**

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506)			9	5-47619	1	Ass'y.-Potted wire harness (R.H.)
	44-39786	1	Ass'y-Meter support .(M.F.)		4-47619	1	Ass'y.-Potted wire harness (L.H.)
	19-39786	1	Ass'y-Meter support (L.F.)		7-129639-500	2	Conduit nipple special
	50-39786	1	Ass'y-Meter support .(M.R.)		129710	2	Coupling
	39-39786	1	Ass'y-Meter support (L.R.)		512724	2	Locknut-Conduit 3/4
	511096	12	H.H.C. screw 5/16-18 x 7/8		3-126817	2	Flatwasher
	916760	8	H.H. screw #8 x 1/2	10	13-46698	3	Ass'y-Conduit-Pulser (M.F.-M.R.-L.F.)
	918224	4	Str. conn. 7/8 x 3/4		14-46698	1	Ass'y-Conduit-Pulser (L.R.)
2	(See Shared Assemblies manual 917506)				126817	8	Flatwasher
	23-39310	4	Ass'y-Meter		129498	8	Conduit locknut 1/2
	300314	4	Ass'y-Chk. & P.R. valve		907121	4	End bushing
	120722	4	"O" ring-Inlet	11	(See Shared Assemblies manual 917506)		
	120723	4	"O" ring-Discharge		1-47576	4	Ass'y-Diaphragm valve
	511096	14	H.H.C. screw 5/16-18 x 7/8		511096	12	H.H.C. screw 5/16-18 x 7/8
	511748	2	H.H.C. screw 5/16-18 x 2-1/2		916695	8	Taptite screw 1/4-20 x 7/8
	(See Shared Assemblies manual 917506)				918237	4	"O" Ring
3	201826	2	Brkt.-Support	12	201856	1	Brkt.-Idler pulley
	507284	8	H.H.C. screw 5/16-18 x 3/4		507284	1	H.H.C.S. 5/16-18 x 3/4
	902017	8	Lockwasher 5/16		509584	1	Hex nut 5/16-18
	509584	8	Hex nut 5/16-18		902017	1	Lockwasher 5/16
	3-47589	2	Support-Compact unit		918422	1	Pulley-Idler
	4-47579	2	Ass'y-Compact unit		902018	1	Lockwasher 3/8
	918223	2	Elbow 7/8 x 3/4		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
	907070	1	Elbow 3/8 x 1/4		511781	2	Flatwasher 3/8
	918583	1	Tee 3/8 x 1/4		511275	1	Hex nut 3/8-16
	2-918621	6	H.H.C.S. M8 x 1.25 x 60mm	13	1-38322	1	Motor-3/4 HP
	902017	6	Lockwasher 5/16		116341	1	Belt
	28007	2	Pulley		47620	1	Brkt.-Motor support
	115550	2	Key		507284	8	H.H.C. screw 5/16-18 x 3/4
	511670	2	Jam nut 5/8-18		902017	8	Lockwasher 5/16
4	201829	2	Ass'y.-Strainer casting		509584	8	Hex nut 5/16-18
	129882	2	Gasket-Inlet		300494	1	Conduit-Motor (Center)
	3-918626	8	H.H.C.S. M8 x 1.25 x 18.mm		27944	1	Pully-(Reversed)
5	1-127756-750	2	Nipple 1-1/2	14	300357	1	Brkt.-Idler pulley
	512101	2	Union 1-1/2		507284	1	H.H.C.S. 5/16-18 x 3/4
6	300445	2	Ass'y. Tube- (Top plate to Vac Motor)		509584	1	Hex nut 5/16-18
	129762	2	Washer flare		902017	1	Lockwasher 5/16
7	300526	1	Ass'y-Tube (R.F.)		918422	1	Pulley-Idler
	129762	2	Washer flare		902018	1	Lockwasher 3/8
8	300532	1	Ass'y-Tube (R.R.)		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
	129762	2	Washer flare		511781	2	Flatwasher 3/8
					511275	1	Hex nut 3/8-16

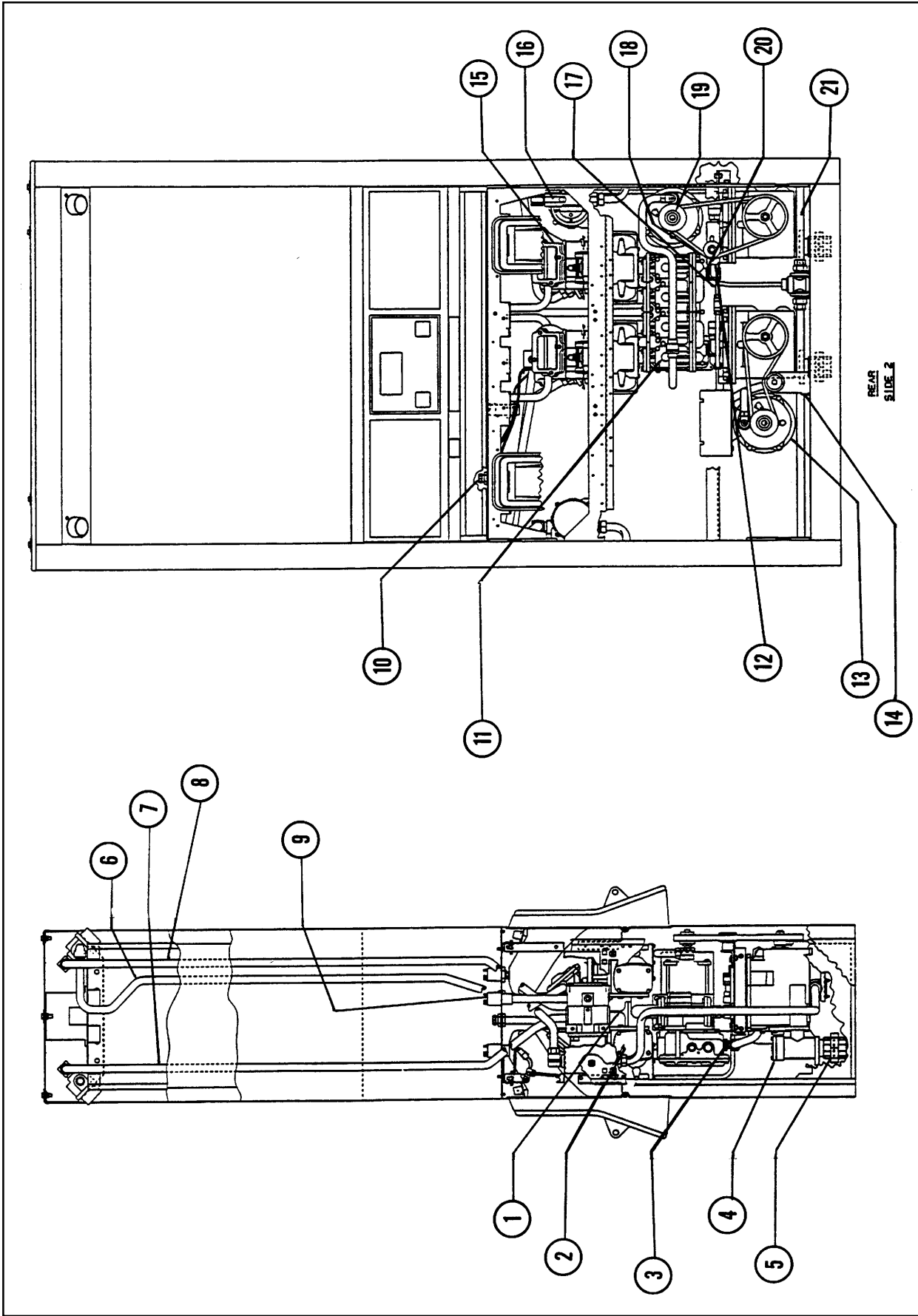


Figure 12. Con't. Final Assembly 1 thru 8-45493 (2 of 2) /V399P1 & P3 /D1PQ, D1Q, D2PQ, & D2Q (Rear and Right) (Wayne Vac)

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Table 12. Con't. Final Assembly 1 thru 8-45493 (2 of 2) /V399P1 & P3 /D1PQ, D1Q,D2PQ & D2Q (Rear and Right) (Wayne Vac) (New CPU)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
15	(See Shared Assemblies manual 917506)			21	300495	1	Ass'y.-Tube(L.H. Wayne Vac motor to Cross)
	25-39348	4	Ass'y-Pulser		300496	1	Ass'y.-Tube(R.H. Wayne Vac motor to Cross)
	507254	8	H.H.C. screw 1/4-20 x 1/2		129762	4	Washer-Flare
	5-39790	3	Bracket		9-300236	1	Ass'y.-Cross
	2-39790	1	Bracket		300500	1	Brkt.-Vapor tube
	916636	8	Taptite screw 1/4-20 x 1/2		507284	2	H.H.C. screw 5/16-18 x 3/4
	904438	8	Lockwasher 1/4		902017	6	Lockwasher 5/16
16	7-300482	2	Ass'y.-Pump/Motor & Bracket		918161	2	Caged nut 5/16-18
	507284	6	H.H.C. screw 5/16-18 x 3/4		509584	4	Hex nut 5/16-18
	902017	6	Lockwasher 5/16		2-127422	2	"U"-Bolt
	918161	6	Caged nut 5/16-18				
17	300525	1	Ass'y-Tube (Center Comp. to tee)				
	300499	1	Ass'y-Tube (Union tee to L. Comp.)				
	47588	1	Ass'y.-Tube (Nozzle to L. Comp. tee)				
	918531	1	Union tee 3/8				
	300498	1	Ass'y.-Tube (Union tee to Ass'y. cross)				
18	300364	1	Brkt.-Junction Box support				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	2	Lockwasher 5/16				
	509584	2	Hex nut 5/16-18				
19	1-38322	1	Motor-3/4 HP				
	116341	1	Belt				
	47613	1	Brkt.-Motor support				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	4	Hex nut 5/16-18				
	904314	4	Flatwasher 5/16				
	918161	4	Caged nut 5/16-18				
	300361	1	Conduit-Motor (L.H.)				
	27944	1	Pully-(Reversed)				
20	1-300442	1	Ass'y.-Manifold & Elbow				
	2-300442	1	Ass'y.-Manifold & Elbow				
	108380	4	Gasket				
	511096	12	H.H.C.S. 5/16-18 x 7/8				
	300423	1	Ass'y.-Tube				
	300425	1	Ass'y.-Tube				
	129762	4	Washer-Flare				

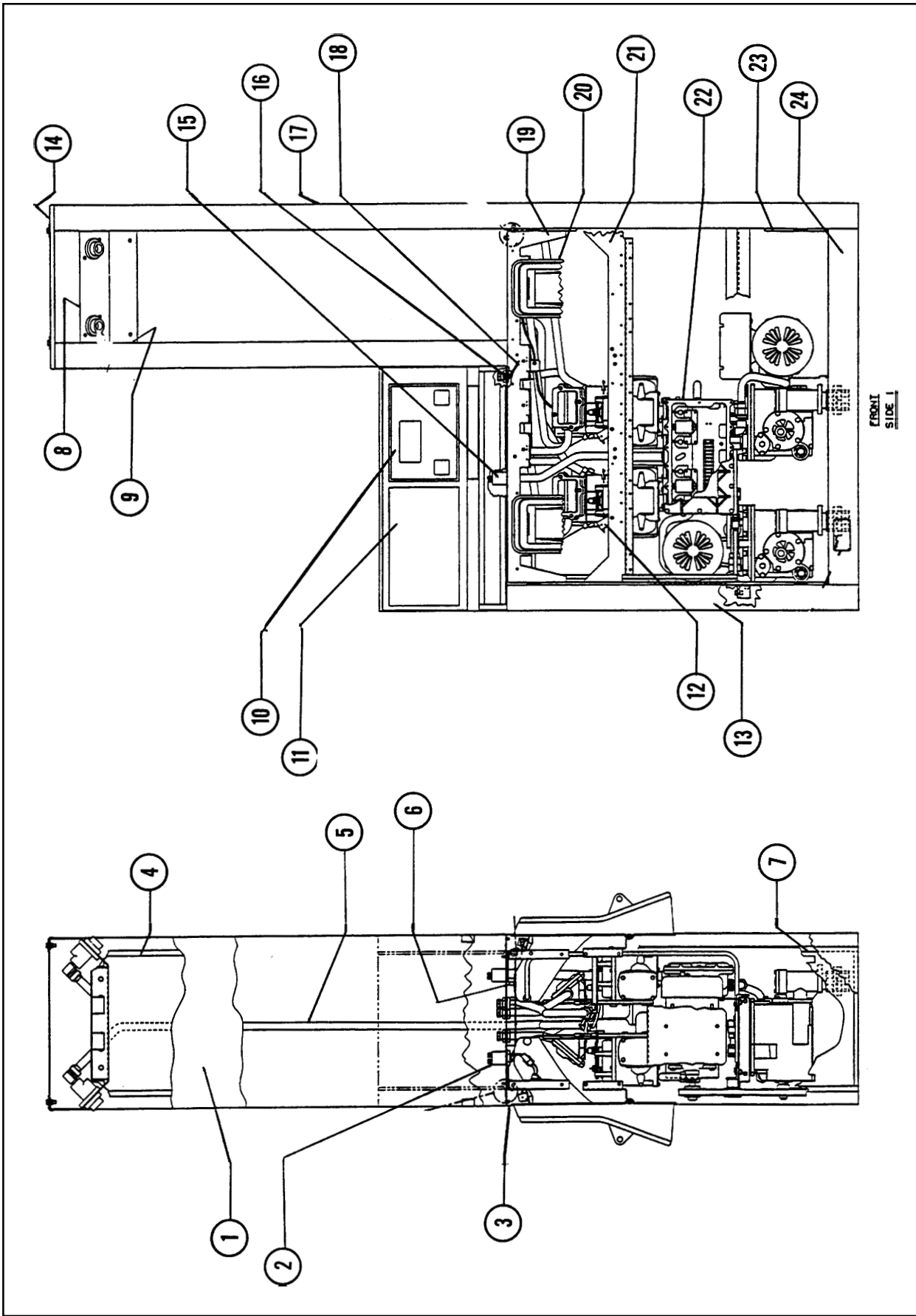


Figure 13. Final Assembly 1-45503 (1 of 2) HKA/V399P1 (Front and Left)

Table 13. Final Assembly 1-45503 (1 of 2) HKA/V399P1 (Front and Left) (New CPU)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	HKA/V399P1/ is Final Assembly 1-45503				507295	2	H.H.C.S. 1/4-20 x 3/4
					512795	2	SL.H.W.H.S. #10 x 3/8
1	2-300392	1	Sheath-Middle	13	2-47606	1	Sheath-Left
2	39782	1	Cover-Intrinsic safe barrier		918291	4	PH.P.H. screw #8 x 1/2
	513161	2	SL.H.W.H. screw #8 x 3/8		918590	4	Thread insert
	3-39792	1	Ass'y-Potted wire harness	14	47604-J21	1	Cover-Dispenser top
	3-126817	1	Flatwasher		511096	4	H.H.C. screw 5/16-18 x 7/8
	2-129498	1	Conduit locknut 1/2		916900	4	Seal washer 5/16
	918066	1	Mounting clamp		511781	6	Flatwasher 7/16
3	7-47478-0W7	2	Door	15	61-39785	1	Ass'y-Potted wire harness
	128993	4	Button Head Dart		129710	1	Coupling
	127417	2	Lock		507868	2	Hex nut #8-32
	4-129642	2	Latch		916736	2	Lockwasher #8
	201761	4	Channel-Door		918137	2	P.H.P.H. screw #8-32 x 1/2
4	45455	1	Column-Upper		512724	1	Conduit locknut 3/4
5	300376	1	Ass'y-Tube (LF)		300398	1	Conduit-Junction box
	129762	2	Washer-Flare		3-126817	1	Flatwasher
6	1-201751	1	Bracket-Flex drive (L.F.)	16	47600	1	Ass'y-Vapor barrier
	5-201751	1	Bracket-Flex drive (M.F.)		8-39781	1	Ground plate
	6-201751	1	Bracket-Flex drive (M.R.)		902017	4	Lockwasher 5/16
	916571	6	Bearing-Flange (nylon)		509584	4	Hex nut 5/16-18
	512795	4	Taptite #10 x 3/8		507284	4	H.H.C. screw 5/16-18 x 3/4
7	45452	1	Column		905245	4	Flatwasher 1/4
8	(See Shared Assemblies manual 917506)				918210	4	Stop nut 1/4-20
	4-47372-J21	1	Ass'y-Top plate chassis		39748	1	Bracket-Vapor barrier
	918161	4	Caged nut 5/16-18	17	3-47400	1	Sheath- Column
	507054	8	H.H.C. screw 5/16-18 x 1"		918291	4	PH.P.H. screw #8 x 1/2
	902017	8	Lockwasher 5/16		918590	4	Thread insert
	509584	8	Hex nut 5/16-18	18	507053	2	H.H.C. screw 5/16-18 x 5/8
9	47601-J21	2	Sheath-Inner column		1-916931	4	Flatwasher
	918291	6	PH.P.H. screw #8 x 1/2		4-916931	2	Flatwasher
	918590	6	Thread insert		511883	2	Stop nut 5/16-18
10	2-300113-J21	2	Ass'y-Dial face	19	2-47594	2	Support-Nozzle boot
	916907	8	P.H.P.H. screw #6-32 x 5/16		507284	8	H.H.C. screw 5/16-18 x 3/4
11	(See Shared Assemblies manual 917506)				902017	8	Lockwasher 5/16
	4-47563-J21	2	Ass'y-Bezel		509584	8	Hex nut 5/16-18
	A47475-J21	2	Panel-Blank	20	(See Shared Assemblies manual 917506)		
	916546	6	Plascrew #8 x 5/8		1-47407	3	Ass'y-Nozzle boot
12	201755	2	Brkt.-Meter support		4-47407	1	Ass'y-Nozzle boot (LF)
	513317	2	Tensilock nut 1/4-20		47377	4	Collar-Nozzle boot
					916695	8	Taptite screw 1/4-20 x 7/8
					905245	8	Flatwasher 1/4
					2-122288	1	Ass'y.-Conn & screen

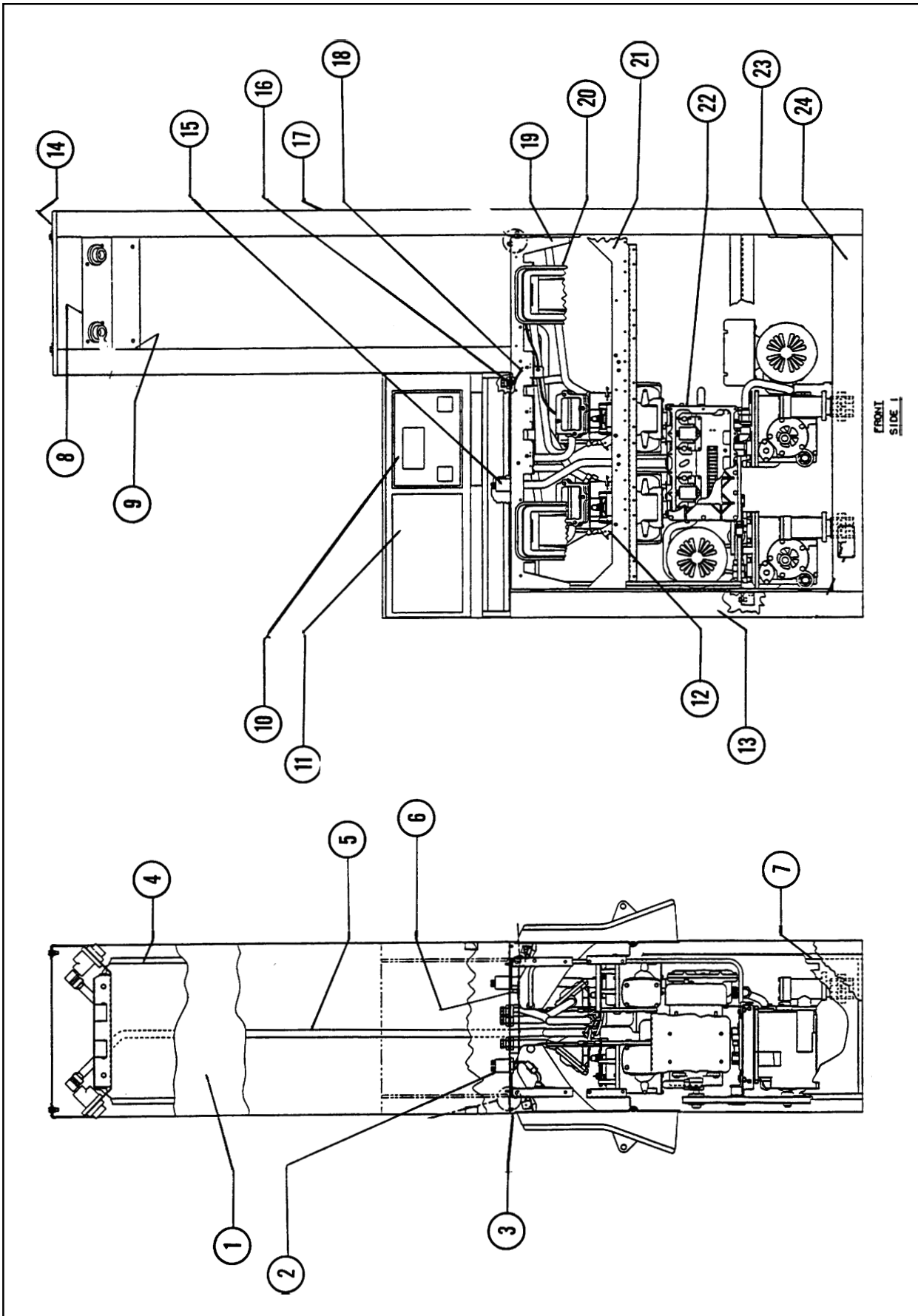


Figure 13. Con't. Final Assembly 1-45503 (1 of 2) HKAV/399P1 (Front and Left)

Table 13. Con't. Final Assembly 1-45503 (1 of 2) HKA/V399P1 (Front and Left) (New CPU)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
21	47592	2	Support-Lower nozzle				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	918161	8	Caged nut 5/16-18				
22	(See Shared Assemblies manual 917506)						
	76-39804	1	Ass'y-Junction box				
	39778	1	Cover-Junction box				
	3-916695	14	Taptite screw 1/4-20 x 7/8				
	916636	3	Taptite screw 1/4-20 x 1/2				
	916591	1	Screw #10-32 x 3/8				
	916877	1	Cup washer #10				
23	2-47399	4	Door stop				
	918291	12	P.H.P.H. screw #8 x 1/2				
	5-129818	8	Gasket				
24	47386-J21	2	Base half				
	902017	12	Lockwasher 5/16				
	509584	12	Hex nut 5/16-18				
	507284	12	H.H.C. screw 5/16-18 x 3/4				

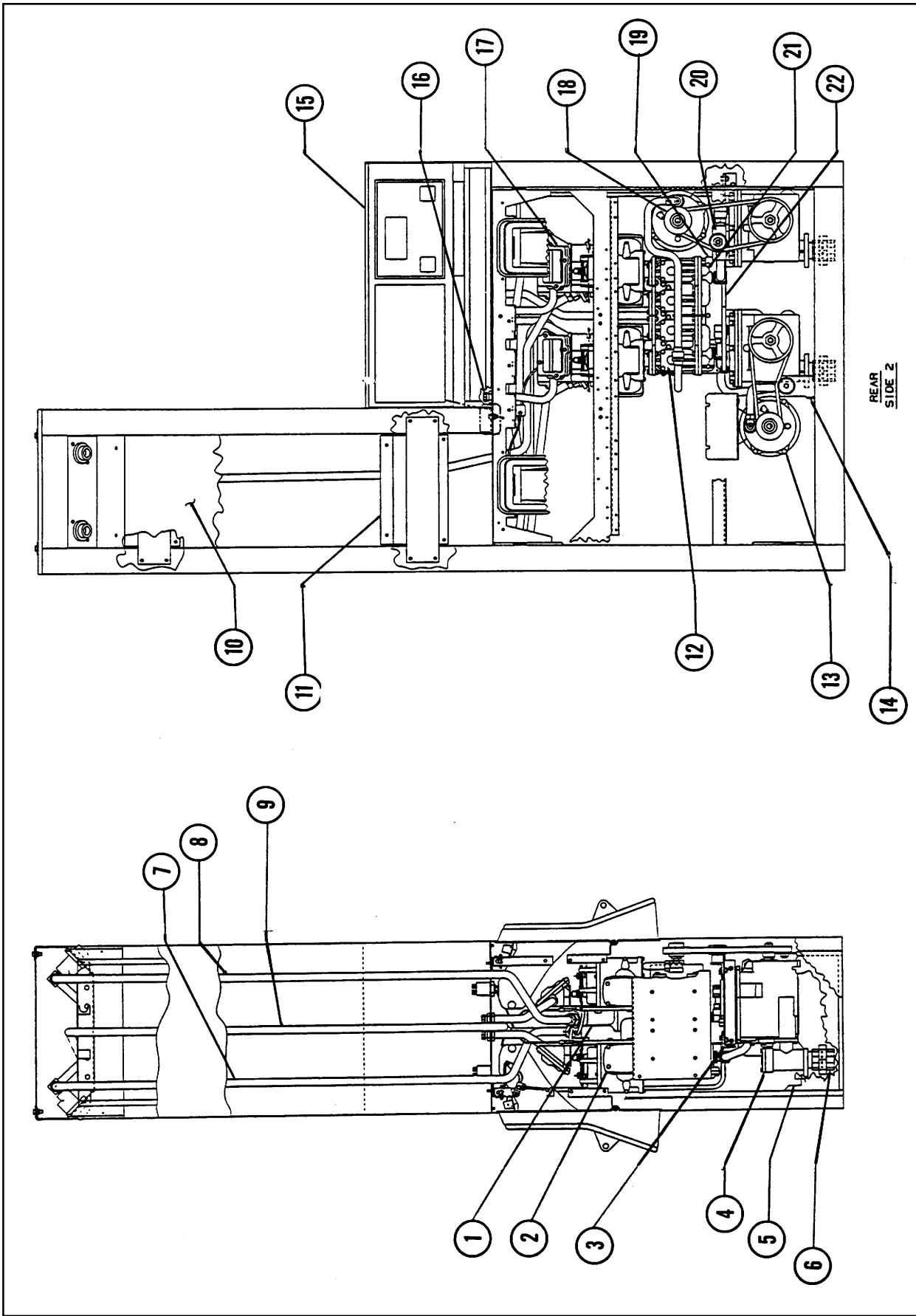


Figure 13. Final Assembly 1-45503 (2 of 2) HKA/V399P1 (Rear and Right)

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Table 13. Final Assembly 1-45503 (2 of 2) HKA/V399P1 (Rear and Right) (New CPU)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	(See Shared Assemblies manual 917506)						
	44-39786	1	Ass'y-Meter support .(M.F.)		918463	6	Clamp-Tube support
	19-39786	1	Ass'y-Meter support (L.F.)	10	47603-J21	2	Sheath-Front column
	50-39786	1	Ass'y-Meter support .(M.R.)		918291	4	PH.P.H. screw #8 x 1/2
	39-39786	1	Ass'y-Meter support (L.R.)		918590	4	Thread insert
	511096	12	H.H.C. screw 5/16-18 x 7/8				
	916760	8	H.H. screw #8 x 1/2	11	300384	4	Bracket-Sheath
	918224	4	Str. conn. 7/8 x 3/4		512795	16	H..H.C.S. #10 x 3/8
2	(See Shared Assemblies manual 917506)			12	(See Shared Assemblies manual 917506)		
	23-39310	4	Ass'y-Meter		1-47576	4	Ass'y-Diaphragm valve
	300314	4	Ass'y-Chk. & P.R. valve		511096	12	H.H.C. screw 5/16-18 x 7/8
	120722	4	"O" ring-Inlet		916695	8	Taptite screw 1/4-20 x 7/8
	120723	4	"O" ring-Discharge		918237	4	"O" Ring
	511096	14	H.H.C. screw 5/16-18 x 7/8				
	511748	2	H.H.C. screw 5/16-18 x 2-1/2	13	1-38322	1	Motor-3/4 HP
					116341	1	Belt
	(See Shared Assemblies manual 917506)				47620	1	Brkt.-Motor support
3	201826	2	Brkt.-Support		507284	8	H.H.C. screw 5/16-18 x 3/4
	507284	8	H.H.C. screw 5/16-18 x 3/4		902017	8	Lockwasher 5/16
	902017	14	Lockwasher 5/16		509584	8	Hex nut 5/16-18
	509584	8	Hex nut 5/16-18		300494	1	Conduit-Motor (Center)
	3-47589	2	Support-Compact unit		27944	1	Pully-(Reversed)
	4-47579	2	Ass'y-Compact unit				
	918223	2	Elbow 7/8 x 3/4	14	300357	1	Brkt.-Idler pulley
	907070	1	Elbow 3/8 x 1/4		507284	1	H.H.C.S. 5/16-18 x 3/4
	918583	1	Tee 3/8 x 1/4		509584	1	Hex nut 5/16-18
	2-918621	6	H.H.C.S. M8 x 1.25 x 60mm		902017	1	Lockwasher 5/16
	28007	2	Pulley		918422	1	Pulley-Idler
	115550	2	Key		902018	1	Lockwasher 3/8
	511670	2	Jam nut 5/8-18		2-511212	1	H.H.C.S. 3/8-16 x 1-3/4
4	201829	2	Ass'y.-Strainer casting		511781	2	Flatwasher 3/8
	129882	2	Gasket-Inlet		511275	1	Hex nut 3/8-16
	3-918626	8	H.H.C.S. M8 x 1.25 x 18.mm	15	(See Shared Assemblies manual 917506)		
5	2-45352	1	Column		3-47418	1	Ass'y-Elect. head
6	1-127756-750	2	Nipple 1-1/2		905245	6	Flatwasher 1/4
	512101	2	Union 1-1/2		918210	6	Stop nut 1/4-20
7	300549	1	Ass'y-Tube (M.F.)		3-47114	2	Ass'y-Wire harness (DC)
	129762	2	Washer flare		918066	2	Mounting clamp
8	300550	1	Ass'y-Tube(M.R.)		881647-004	1	Disp. Elect. Module (F)
	129762	2	Washer flare		881647-005	1	Disp. Elect. Module (R)
9	300375	1	Ass'y-Tube(L.F.)	16	17-46698	1	Ass'y-Conduit-Pulser (M.R.)
	129762	2	Washer flare		13-46698	2	Ass'y-Conduit-Pulser (M.F.-L.R.)
	300155	2	Brkt.-Tube stabilizer		14-46698	1	Ass'y-Conduit-Pulser (L.F.)
	918479	6	H.S.W.H.S. #12-14 x 3/4		126817	8	Flatwasher
					129498	8	Conduit locknut 1/2
					907121	4	End bushing

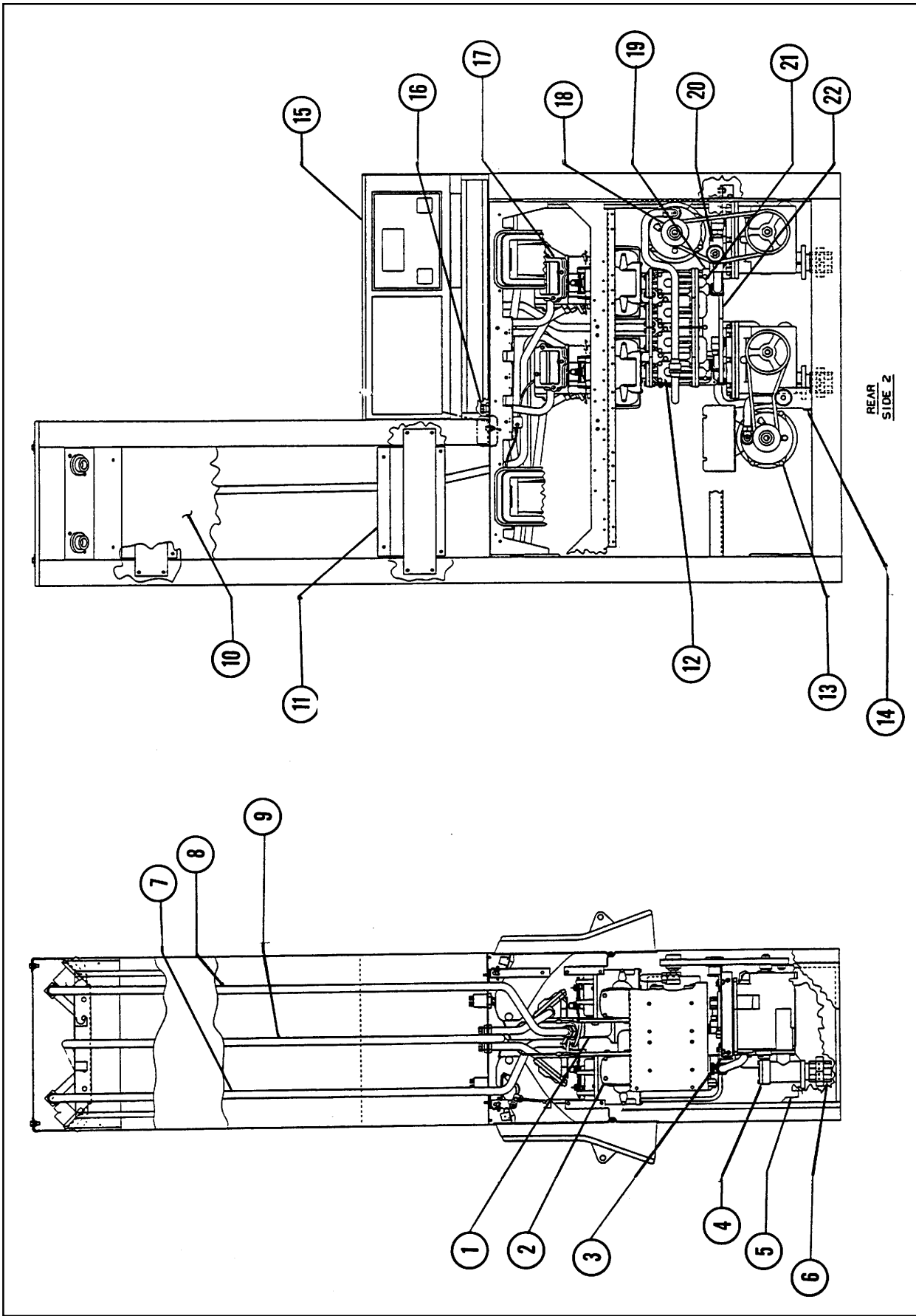
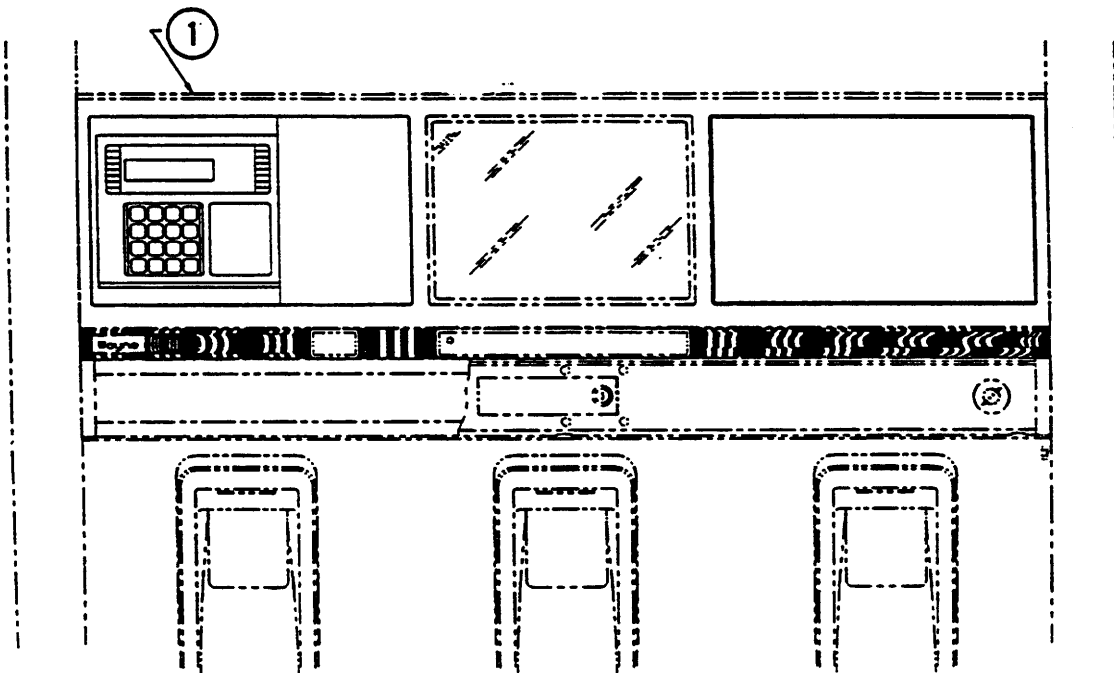


Figure 13. Con't. Final Assembly 1-45503 (2 of 2) HKAV399P1 (Rear and Right)

Table 13. Con't. Final Assembly 1-45503 (2 of 2) HKA/V399P1 (Rear and Right) (New CPU)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
17	(See Shared Assemblies manual 917506)						
	25-39348	4	Ass'y-Pulser				
	507254	8	H.H.C. screw 1/4-20 x 1/2				
	5-39790	3	Bracket				
	2-39790	1	Bracket				
	916636	8	Taptite screw 1/4-20 x 1/2				
	904438	8	Lockwasher 1/4				
18	1-38322	1	Motor-3/4 HP				
	116341	1	Belt				
	47613	1	Brkt.-Motor support				
	507284	8	H.H.C. screw 5/16-18 x 3/4				
	902017	8	Lockwasher 5/16				
	509584	4	Hex nut 5/16-18				
	904314	4	Flatwasher 5/16				
	918161	4	Caged nut 5/16-18				
	300361	1	Conduit-Motor (L.H.)				
	27944	1	Pully-(Reversed)				
19	300364	1	Bracket-Junction box				
	507284	2	H.H.C. screw 5/16-18 x 3/4				
	902017	2	Lockwasher 5/16				
	509584	2	Hex nut 5/16-18				
20	201856	1	Brkt.-Idler pulley				
	507284	1	H.H.C.S. 5/16-18 x 3/4				
	509584	1	Hex nut 5/16-18				
	902017	1	Lockwasher 5/16				
	918422	1	Pulley-Idler				
	902018	1	Lockwasher 3/8				
	2-511212	1	H.H.C.S. 3/8-16 x 1-3/4				
	511781	2	Flatwasher 3/8				
	511275	1	Hex nut 3/8-16				
21	1-300442	1	Ass'y.-Manifold & Elbow				
	2-300442	1	Ass'y.-Manifold & Elbow				
	108380	4	Gasket				
	511096	12	H.H.C.S. 5/16-18 x 7/8				
	300423	1	Ass'y.-Tube				
	300425	1	Ass'y.-Tube				
	129762	4	Washer-Flare				
22	300542	1	Ass'y-Tube (Center Comp. to Left Comp.)				
	47588	1	Ass'y-Tube (Nozzle to Left Comp.Tee)				



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Figure 14. Final Assembly 35-47486 /V399 Series with Preset

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Table 14. Final Assembly 35-47486 /V399 Series with Preset

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
<p>/V399P3/GSW /V399D3/GSW /V399P3/GPSW /V399D3/GPSW /V399D1/AGS are Final Assembly 35-47486</p>							
1	(See Shared Assemblies manual 917506)						
	880729-001	1	Ass'y-Cable				
	880730-001	1	Ass'y-Cable				
	882124-005	2	Ass'y.-Panel preset controler				
	882136-001	1	Ass'y.-Cable (Backlit Preset Power)				
<p>Note: /V399D1/AGS is otherwise the same as /V399D1/G /V399D3/GSW is otherwise the same as /V399D3/G /V399P3/GSW is otherwise the same as /V399P3/G /V399D3/GPSW is otherwise the same as /V399D3/GP /V399P3/GPSW is otherwise the same as /V399P3/GP</p>							

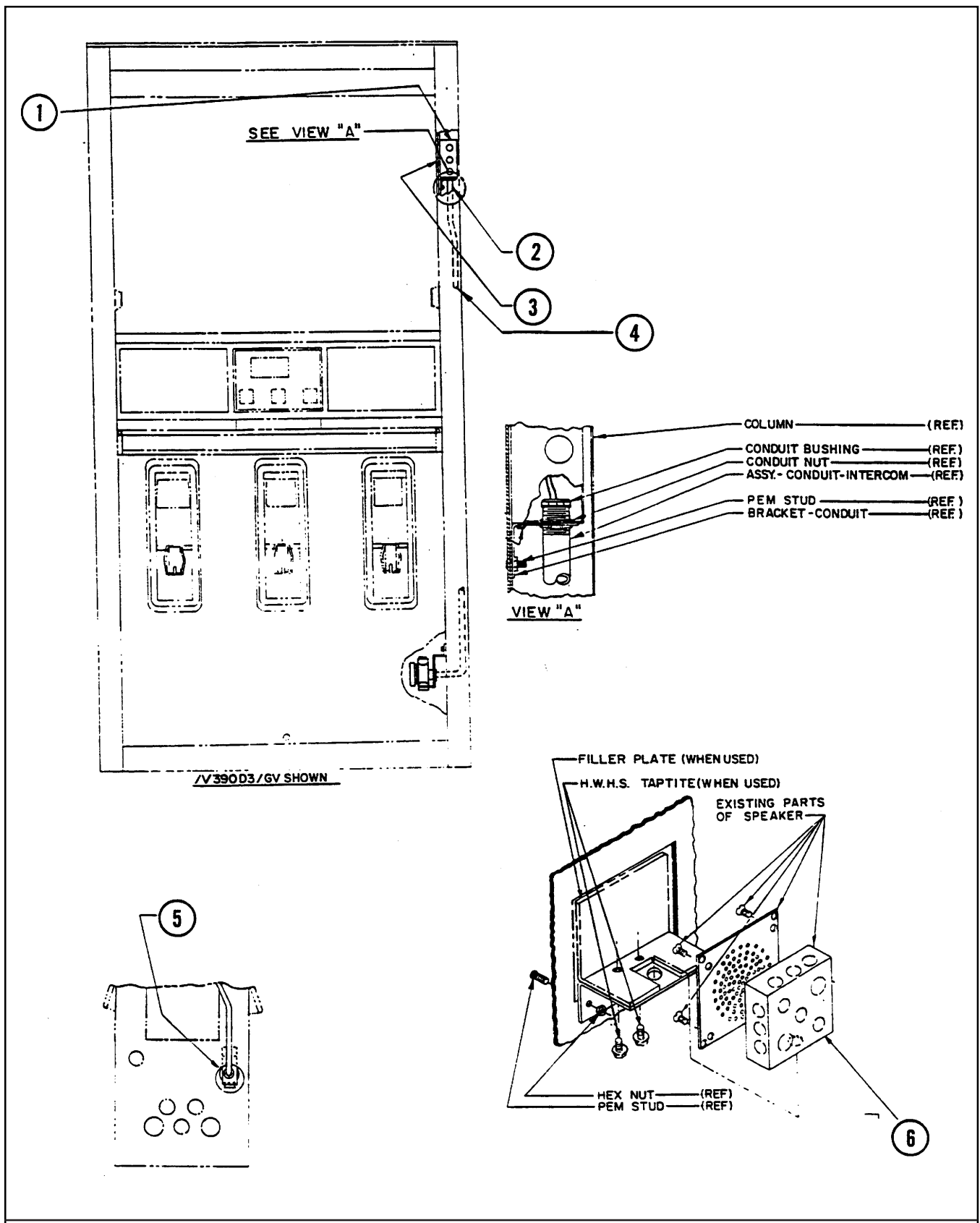


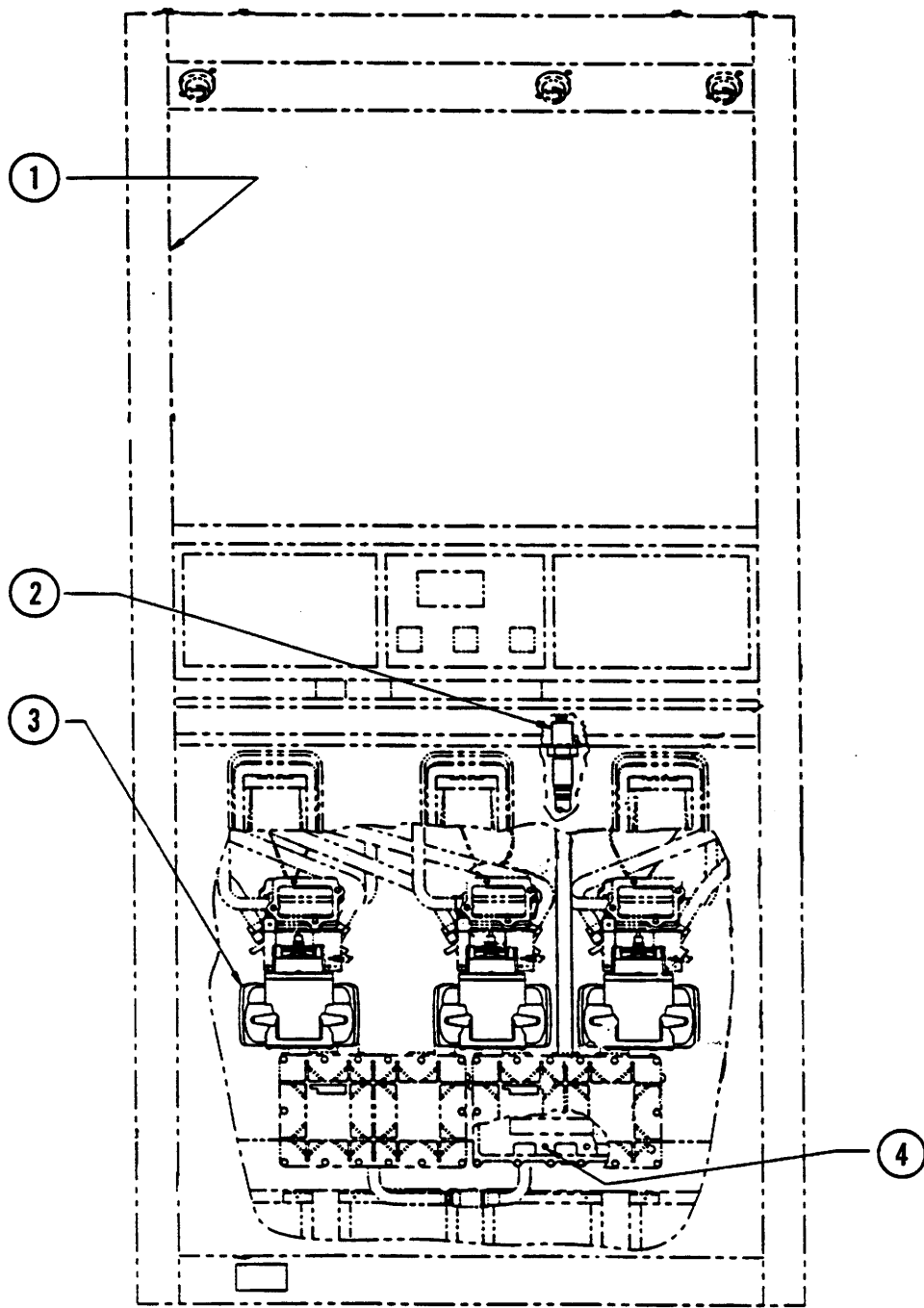
Figure 15. Final Assembly 1-300107 /V399 Series with Intercom

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Table 15. Final Assembly 1-300107 /V399 Series with Intercom

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	918473	1	Speaker				
	300175-J21	1	Grill-Speaker				
	916981	4	Screw #8-32 x 3/8				
	918379	4	Nut #6-32				
2	907121	1	Conduit bushing				
	507845	2	Conduit nut				
	201673	1	Bracket Conduit				
	918279	2	PEM stud #10-24 x 1/2				
	511194	2	Hex nut #10-24				
3	3-47545-J21	1	Sheath-Inner column				
4	2-39854	1	Ass'y-Conduit intercom				
5	918669	1	Conduit box and cover				
	201786	1	Bracket				
	507254	2	H.H.C. screw 1/4-20 x 1/2				
	902016	2	Lockwasher 1/4				
	507827	1	Hex nut 1/4-20				
	508919	1	Pipe plug 1/2				
	507845	1	Conduit nut				
6	918472	1	Junction box				
<p>Note: Otherwise the same as any Vista Remote 399 Series</p>							



JUNCTION BOX SIDE
MODEL /V390D1/CG SHOWN

Figure 16. Final Assembly 3, 4 and 20-47477 /V399 Canadian Series

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Table 16. Final Assembly 3, 4 and 20-47477 /V399 Canadian Series

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
	/V399D1/CG is Final Assembly 3-47477 /V399D1/CGR is Final Assembly 4-47477 /V399P1/CG is Final Assembly 20-47477						
1	18-47545-J21	1	Sheath-Inner column				
2	(3-47477 only)						
	129783	1	Union-Expansion				
	52-39785	1	Ass'y-Potted wire harness				
	3-129498	1	Locknut-Conduit				
	2-47104	1	Conduit				
	(4-47477 only)						
	129783	1	Union-Expansion				
	53-39785	1	Ass'y-Potted wire harness				
	3-129498	1	Locknut-Conduit				
	2-47104	1	Conduit				
	(20-47477 only)						
	129783	1	Union-Expansion				
	65-39785	1	Ass'y-Potted wire harness				
	3-129498	1	Locknut-Conduit				
	2-47315	1	Conduit				
3	(See Shared Assemblies manual 917506) (3 and 20-47477 only)						
	48-39310	4	Ass'y-Meter 2PM-6				
	(4-47477 only)						
	48-39310	2	Ass'y-Meter 2PM-6				
4	916877	1	Cup washer #10				
	916591	1	Screw #10-32 x 3/8				
	Note: /V399D1/CG is otherwise the same as /V399D1/G /V399D1/CGR is otherwise the same as /V399D1/GR /V399P1/CG is otherwise the same as /V399P1/G						

WARRANTY AND LIMITATION OF REMEDY AND LIABILITY

Seller warrants that new products and parts of its own design and manufacture when shipped, will be of good quality and will be free from defects in material and workmanship and will conform to applicable specifications. Work, when performed by Seller, will meet applicable work requirements. No warranty is made with respect to used or rebuilt equipment and with respect to products not manufactured by Seller, Seller's only obligation shall be to assign to Buyer, at the time of sale, whatever warranty Seller has received from the manufacturer. Items such as but not limited to lamps, electric motors, hoses, nozzles, hose swivels and safety impact valves are included in the category referred to in the previous sentence. Seller's recommendations with respect to the operation of Seller's equipment are advisory only and are not warranted. All claims under this warranty must be made in writing immediately upon discovery and, in any event, within twenty-four (24) months from date of start-up, if a product is involved, or from completion of the applicable work, if work is involved, or thirty (30) months from date of invoice (whichever shall occur first). (Provided however, that with respect to the Wayne Plus system, 2400 system, DL series dispensers, and card readers, all claims must be made in writing within twelve (12) months from date of start-up. With respect to receipts/totals printers, and any other printers or printing mechanisms, all claims must be made in writing within ninety (90) days from date of start-up. Wayne Vista dispenser external metal panels will be free from defects due to rust and/or corrosion for a period of forty-eight (48) months from date of dispenser start-up.) Defective and nonconforming items must be held for Seller's inspection and returned to the original f.o.b. point upon request. Seller's warranty on service parts, whether new or reconditioned, is ninety (90) days from the date of installation, or twelve (12) months from date of invoice, whichever first occurs. **THE FOREGOING IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES WHATSOEVER, EXPRESSED, IMPLIED AND STATUTORY, INCLUDING WITHOUT LIMITATIONS, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS.**

Upon Buyer's submission of a claim as provided above and its substantiation, Seller shall, at its option either (I) repair or replace its product or work at the original f.o.b. point or location of purchase products and/or parts or (II) refund an equitable portion of the purchase price.

THE FOREGOING IS SELLER'S ONLY OBLIGATION AND BUYER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY AND, EXCEPT FOR GROSS NEGLIGENCE OR WILLFUL MISCONDUCT, THE FOREGOING IS BUYER'S EXCLUSIVE REMEDY AGAINST SELLER FOR ALL CLAIMS ARISING HEREUNDER OR RELATING HERETO WHETHER SUCH CLAIMS ARE BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES. BUYER'S FAILURE TO SUBMIT A CLAIM AS PROVIDED ABOVE SHALL SPECIFICALLY WAIVE ALL CLAIMS FOR DAMAGES OR OTHER RELIEF, INCLUDING BUT NOT LIMITED TO CLAIMS BASED ON LATENT DEFECTS. IN NO EVENT SHALL BUYER BE ENTITLED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES. ANY ACTION BY BUYER ARISING HEREUNDER OR RELATING HERETO, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES, MUST BE COMMENCED WITHIN ONE (1) YEAR AFTER THE CAUSE OF ACTION ACCRUES OR IT SHALL BE BARRED.

"NOTE: 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."

