

1-741524
1 of 1

MODEL 77 MANUAL RESET WIRING

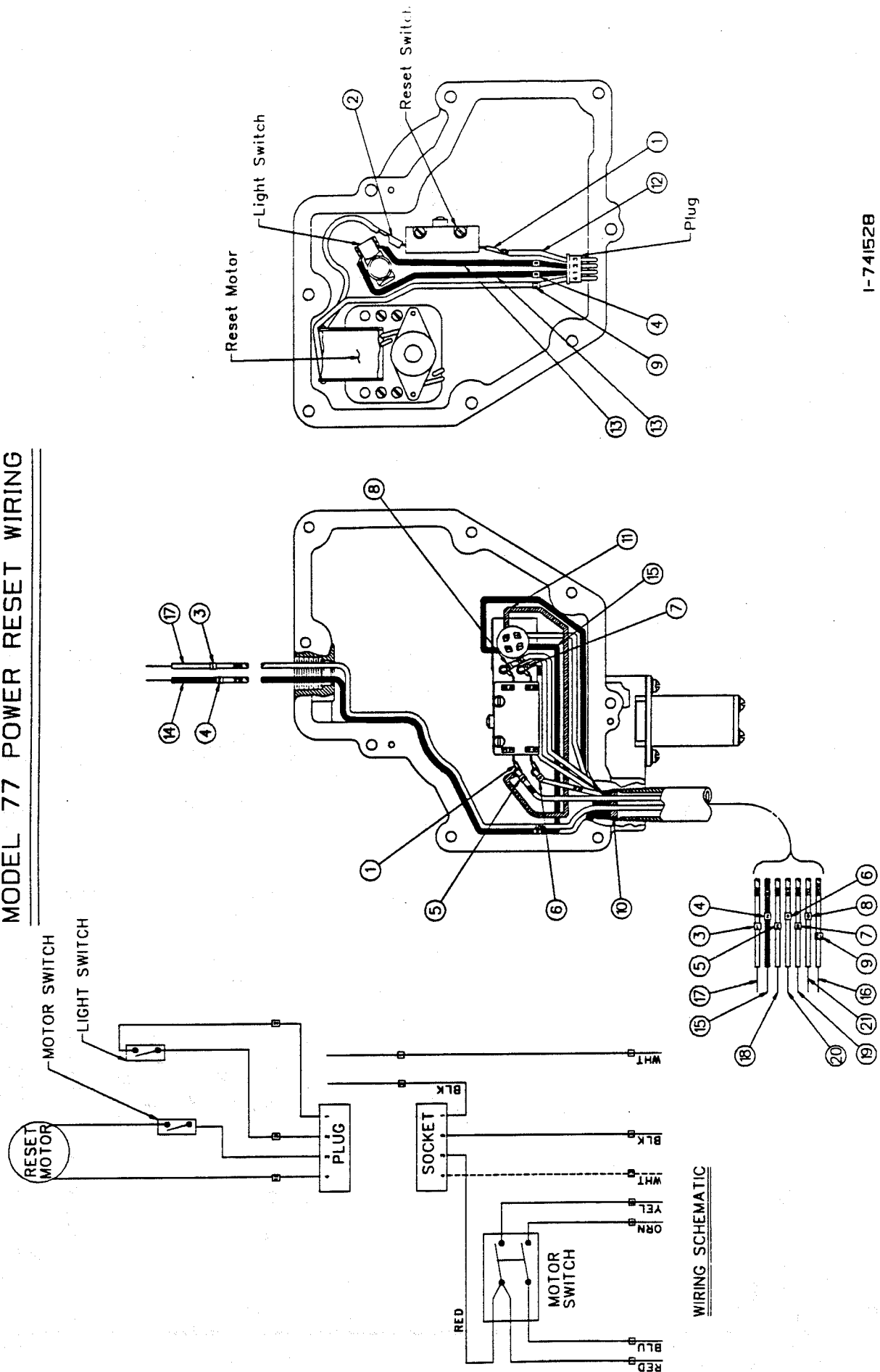
ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-124432	Faston Receptacle	11	Conductor (#18 White)		15	Conductor (#18 Yellow)	
2	1-215573	Wiring Marker (#1)		068-536408-35	Right Side --		048-541944-17	1250A-1-TW (Left Side)
3	2-215573	Wiring Marker (#2)			1250A-1-TW			(3/4 HP 380V)
4	3-215573	Wiring Marker (#3)			(3/4 HP 380V)		056-541944-17	See Note 7
5	4-215573	Wiring Marker (#4)			Left Side --			
6	5-215573	Wiring Marker (#5)			See Note 6			
7	6-215573	Wiring Marker (#6)			See Note 5			
8	Wire Spacer 1-311208	Right Side - Models 1148AT, ATS, AT-RC, ATS-RC, AT-1-RC-TW & AT-2-RC-TW, 1150AT-1-RC & AT-2-RC-TW	12	Conductor (#18 Red)				
		1248A, AS, A-RC, AS-RC A-OIL, AS-OIL, A-HS, AS-HS, A-1-RC-TW, A-2-RC-TW, A-1-TW & A-2-TW		048-541916-23	1250A-1-TW (Left Side)			
				056-541916-23	(3/4 HP 380V)			
					See Note 7			
				Conductor (#14 Red)				
				056-541918-31	See Note 1			
				066-541918-31	See Note 2			
				057-541918-31	See Note 3			
				096-541918-31	See Note 4			
				Conductor (#18 Orange)				
				048-541930-17	1250A-1-TW (Left Side)			
				056-541930-17	(3/4 HP 380V)			
					See Note 7			
				Conductor (#14 Orange)				
				060-541932-31	See Note 1			
				063-541932-31	See Note 2			
				072-541932-31	See Note 3			
				102-541932-31	See Note 4			
				Conductor (#18 Blue)				
				048-541937-23	1250A-1-TW (Left Side)			
					(3/4 HP 380V)			
				056-541937-23	See Note 7			
				056-541939-31	See Note 1			
				057-541939-31	See Note 2			
				066-541939-31	See Note 3			
				096-541939-31	See Note 4			
9	012-536401-31	Conductor (#18 Black)	13	Conductor (#18 Orange)				
				048-541930-17	1250A-1-TW (Left Side)			
					(3/4 HP 380V)			
				Conductor (#14 Orange)				
				060-541932-31	See Note 1			
				063-541932-31	See Note 2			
				072-541932-31	See Note 3			
				102-541932-31	See Note 4			
				Conductor (#18 Blue)				
				048-541937-23	1250A-1-TW (Left Side)			
					(3/4 HP 380V)			
				056-541937-23	See Note 7			
				056-541939-31	See Note 1			
				057-541939-31	See Note 2			
				066-541939-31	See Note 3			
				096-541939-31	See Note 4			
10	Conductor (#18 Black)		14	Conductor (#18 Blue)				
	052-536401-31	1250A-1-TW (Left Side)		048-541937-23	1250A-1-TW (Left Side)			
		(3/4 HP 380V)			(3/4 HP 380V)			
	060-536401-31	See Note 6		056-541939-31	See Note 1			
	076-536401-31	See Note 5		057-541939-31	See Note 2			
				066-541939-31	See Note 3			
				096-541939-31	See Note 4			

Notes:

1. Left Side -- 1248A, AS, A2-TW, A-RC, AS-RC, A-1-TW, A-1-RC-TW, A-2-RC-TW, A-OIL, AS-OIL, A-HS, AS-HS, 1250A, AS, A-2-TW, A-RC, AS-RC, A-1-TW, A-1-RC-TW, A-2-RC-TW, A-OIL, AS-OIL, A-HS, AS-HS, A-2-TW (3/4 HP)
2. Right Side -- 1148AT-1-RC-TW, AT-2-RC-TW, 1150AT-1-RC-TW, AT-2-RC-TW
3. Left Side -- 1148AT, ATS, AT-RC, ATS-RC, AT-1-RC-TW, AT-2-RC-TW, 1150AT, ATS, AT-RC, ATS-RC, A-1-RC-TW, A-2-RC-TW
4. Right Side -- 1248A-1 & 2-TW, A-1-RC & A2-RC-TW, 1250A-1 & 2-TW, A-1-RC & A-2-RC-TW, A-2-TW (3/4 HP)
5. Left Side -- 1150AT, ATS, AT-RC, ATS-RC, AT-1-RC & AT-2-RC-TW
6. Left Side -- 1250A, AS, A-2-TW, A-RC, AS-RC, A-1-TW, A-1-RC & A2-RC-TW, A-OIL, AS-OIL, A-HS, AS-HS, A-2-TW (3/4 HP)
7. Right Side - 1250A-1-TW (3/4 HP 380V)

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MODEL 77 POWER RESET WIRING



I-741528

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MODEL 77 POWER RESET WIRING

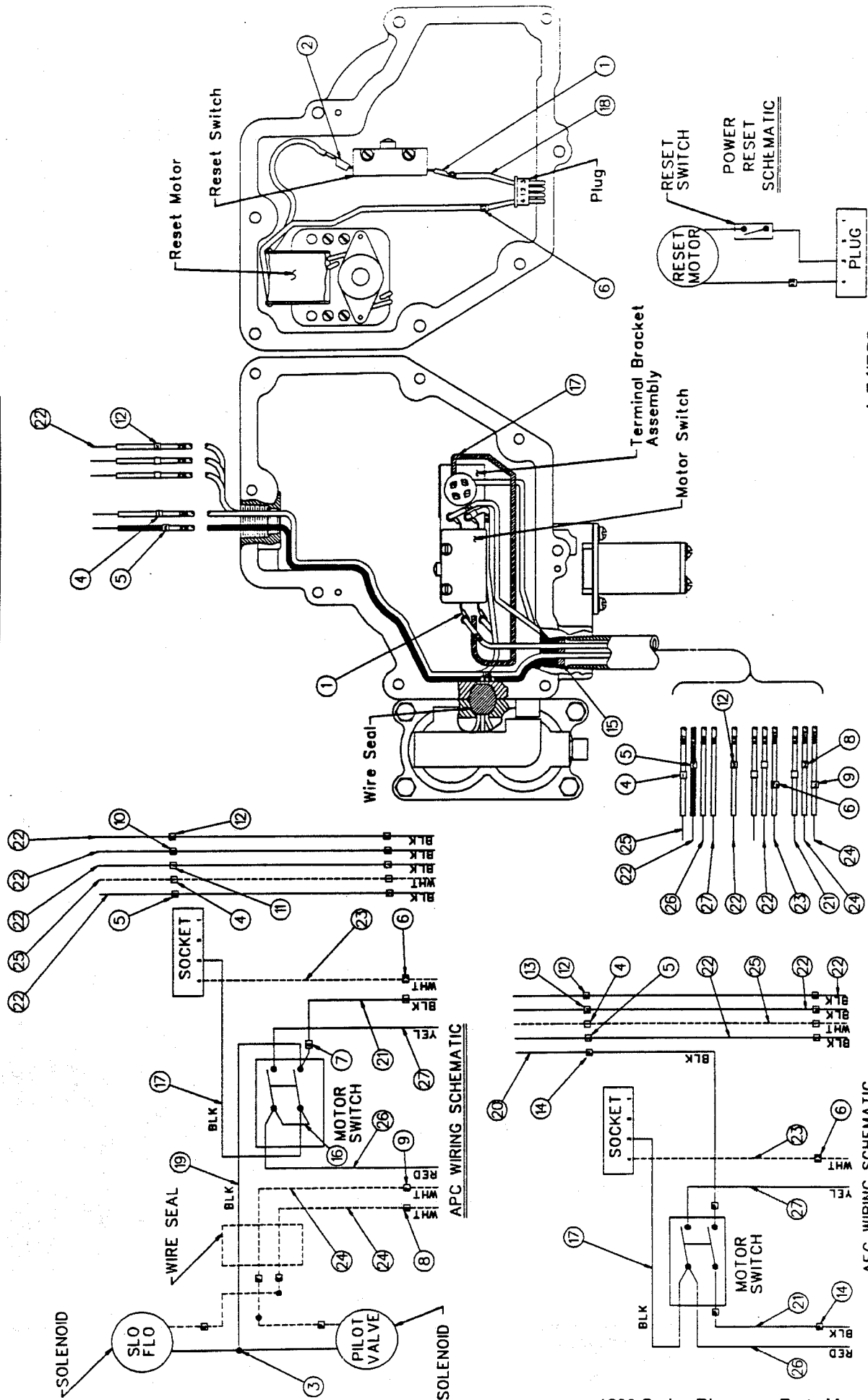
ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-124432	Faston Receptacle	17	Conductor (#18 White)		21	Conductor (#14 Yellow)	
2	1-128104	Faston Receptacle		068-536408-44	1250A-1-TW 3/4 HP (Left Side)		046-541946-39	1250A-1-TW 3/4 HP (Left Side)
3	1-215573	Wiring Marker (#1)		072-536408-44	See Note 3		050-541946-39	See Notes 2, 3
4	2-215573	Wiring Marker (#2)					063-541946-39	See Note 1
5	3-215573	Wiring Marker (#3)					068-541946-39	1250A-1-TW 3/4 HP (Right Side)
6	4-215573	Wiring Marker (#4)	18	Conductor (#14 Red)			076-541946-39	1248A-2-TW, 1250A-2-TW (Right Side)
7	5-215573	Wiring Marker (#5)		042-541918-39	1250A-1-TW 3/4 HP (Left Side)			
8	6-215573	Wiring Marker (#6)		046-541918-39	See Notes 2, 3			
9	13-215573	Wiring Marker (#13)		060-541918-39	See Note 1			
10	Wire Spacer			065-541918-39	1250-1-TW 3/4 HP (Right Side)			
	1-311208	See Notes 1, 2, 4, 5		073-541918-39	1248A-2-TW, 1250A-2-TW (Right Side)			
	2-311208	See Notes 3, 6						
11	Conductor (#18 Black)		19	Conductor (#14 Orange)				
	006-536401-09	See Notes 1,2,3,4,5,6		046-541932-39	1250A-1-TW 3/4 HP (Left Side)			
12	006-536401-24	Conductor (#18 Black)		050-541932-39	See Notes 2, 3			
13	009-536401-27	Conductor (#18 Black)		063-541932-39	See Note 1			
14	Conductor (#18 Black)			068-541932-39	1250A-1-TW 3/4 HP (Right Side)			
	032-536401-44	See Notes 3, 6		076-541932-39	1248A-2-TW, 1250A-2-TW (Right Side)			
15	Conductor (#18 Black)		20	Conductor (#14 Blue)				
	046-536401-44	1250A-1-TW 3/4 HP (Left Side)		042-541939-39	1250A-1-TW 3/4 HP (Left Side)			
	050-536401-44	See Note 3		046-541939-39	See Notes 2, 3			
16	Conductor (#18 White)			060-541939-39	See Note 1			
	045-536408-39	1250A-1-TW 3/4 HP (Left Side)		065-541939-39	1250A-1-TW 3/4 HP (Right Side)			
	049-536408-39	See Notes 2, 3		073-541939-39	1248A-2-TW, 1250A-2-TW (Right Side)			
	062-536408-44	See Note 1						
	067-536408-44	1250A-1-TW 3/4 HP (Right Side)						
	078-536408-44	1248A-2-TW, 1250A-2-TW (Right Side)						

Notes:

1. Right Side -- 1248A-1-TW, 1250A-1-TW, 1248A-RC-1 & 2-TW, 1250A-RC-1 & 2-TW
2. Left Side -- 1248A, 1248AS, 1248A-2-TW, 1248A-RC, 1248AS-RC, 1248A-1-TW, 1250A-RC-1 & 2-TW, 1248A-OIL, 1248AS-OIL, 1248A-HS, 1248AS-HS
3. Left Side -- 1250A, 1250AS, 1250A-2-TW, 1250A-RC, 1250AS-RC, 1250A-1-TW, 1250A-RC-1 & 2-TW, 1250A-OIL, 1250AS-OIL, 1250A-HS, 1250AS-HS
4. Right Side -- 1248A-2-TW, 1250A-2-TW
5. Right Side -- 1250A-1-TW 3/4 HP
6. Left Side -- 1250A-1-TW 3/4 HP

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MODEL 77-APC/AFC POWER RESET WIRING



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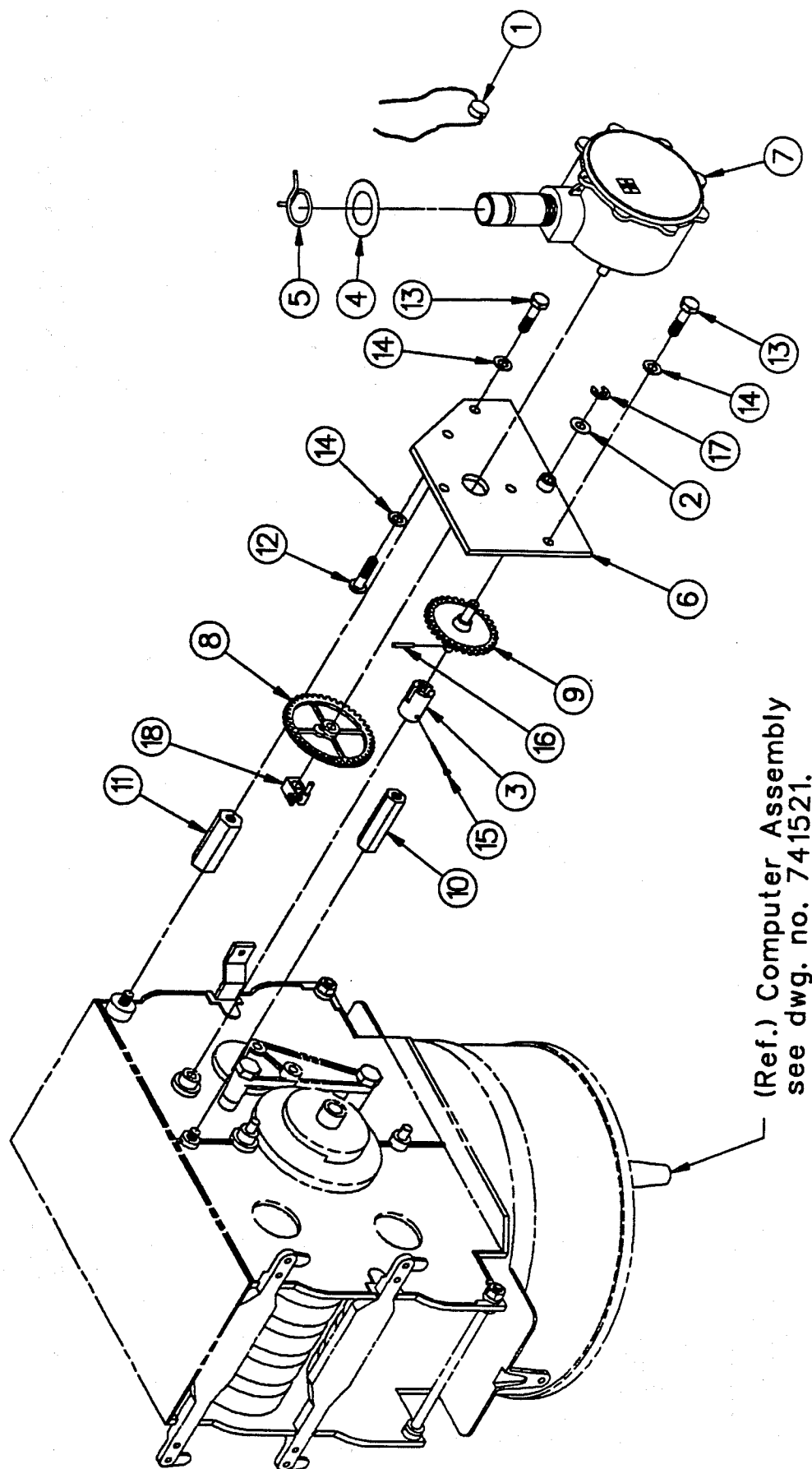
MODEL 77-APC/AFC POWER RESET WIRING

ITEM PART			ITEM PART			ITEM PART		
NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION	NO.	NO.	DESCRIPTION
						Notes:		
1	1-124432	Faston Receptacle	22	Conductor (#18 Black)	072-536401-44 See Notes 1,2,5,6,11	1.	Left Side --	1250A-APC, 1250A-RC-APC, 1250A-1 & 2-TW-APC, 1250A-RC-2-TW-APC, 1250A-APC 3/4 HP, 1250A-1-TW-APC CANADA
2	1-128104	Faston Receptacle			082-536401-44 See Notes 7, 8, 9, 10	2.	Right Side --	1250A-2-TW-APC, 1250A-RC-2-TW-APC
3	1-129792	Butt Splice (All APC)				3.	Right Side --	1250A-1-TW-APC
4	1-215573	Wiring Marker (#1)				4.	Right Side --	1250A-1-TW-AFC
5	2-215573	Wiring Marker (#2)				5.	Left Side --	1250AS-AFC, 1250AS-RC-AFC, 1250A-RC-1-TW-AFC, 1250A-1-TW-AFC, 1250A-RC-2-TW-AFC, 1250AS-HS-AFC
6	13-215573	Wiring Marker (#13)				6.	Right Side --	1250A-RC-1-TW-AFC, 1250A-RC-2-TW-AFC
7	3-220949	Wiring Marker (C)	23	Conductor (#18 White)	049-536408-44 See Notes 1,2,5,6,11	7.	Left Side --	1250A-2-TW-AFC
8	5-220949	Wiring Marker (E)			058-536408-44 See Notes 7, 8, 9, 10	8.	Right Side --	1250A-2-TW-AFC
9	6-220949	Wiring Marker (F)				9.	Left Side --	1250A-2-TW-APC 3/4 HP
10	8-220949	Wiring Marker (H)				10.	Right Side --	1250A-2-TW-APC 3/4 HP
11	10-220949	Wiring Marker (J)				11.	Left Side --	1250A-RC-CC-APC, 1250AS-RC-CC-APC, 1250A-1-TW-CC-APC, 1250A-2-TW-CC-APC, 1250A-RC-1 & 2-TW-CC-APC
12	11-220949	Wiring Marker (K)				12.	Right Side --	1250A-1-TW-APC CANADA
13	13-220949	Wiring Marker (M)	24	Conductor (#18 White)	058-536408-44 See Notes 1, 2, 11			
14	16-220949	Wiring Marker (P)			068-536408-44 See Notes 9, 10			
15	Wire Spacer							
	2-311208	See Notes 4, 6, 8, 11			072-536408-44 See Note 3			
	3-311208	See Notes 1, 2, 3, 5, 7, 9, 10, 12			076-536408-44 See Note 12			
16	003-536401-18	Conductor (#18 Black) (All APC)	25	Conductor (#18 White)	072-536408-44 See Notes 1, 5, 11			
					062-536408-44 See Notes 7, 9			
17	Conductor (#18 Black)							
18	006-536401-18	See Notes 1 Thru 12	26	Conductor (#14 Red)	060-541918-39 See Notes 3, 4			
19	006-536401-24	Conductor (#18 Black)			046-541918-39 See Notes 1,2,5,6,11			
	010-536401-31	Conductor (#18 Black) (All APC)						
20	Conductor (#18 Black)				055-541918-39 See Notes 7, 8, 9, 10			
	029-536401-31	See Notes 4,5,6,7,8			065-541918-39 See Note 12			
21	Conductor (#18 Black)		27	Conductor (#14 Yellow)	050-541946-39 See Notes 1,2,5,6,11			
	050-536401-31	See Notes 5, 6			059-541946-39 See Notes 7, 8, 9, 10			
	059-536401-31	See Notes 7, 8						
	050-536401-44	See Notes 1, 2, 11			063-541946-39 See Notes 3, 4			
	060-536401-44	See Notes 9, 10			068-541946-39 See Note 12			
	063-536401-44	See Notes 3, 4						
	067-536401-44	See Note 12						

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CONTACTOR & GEAR ASSEMBLY

(GALLONS)



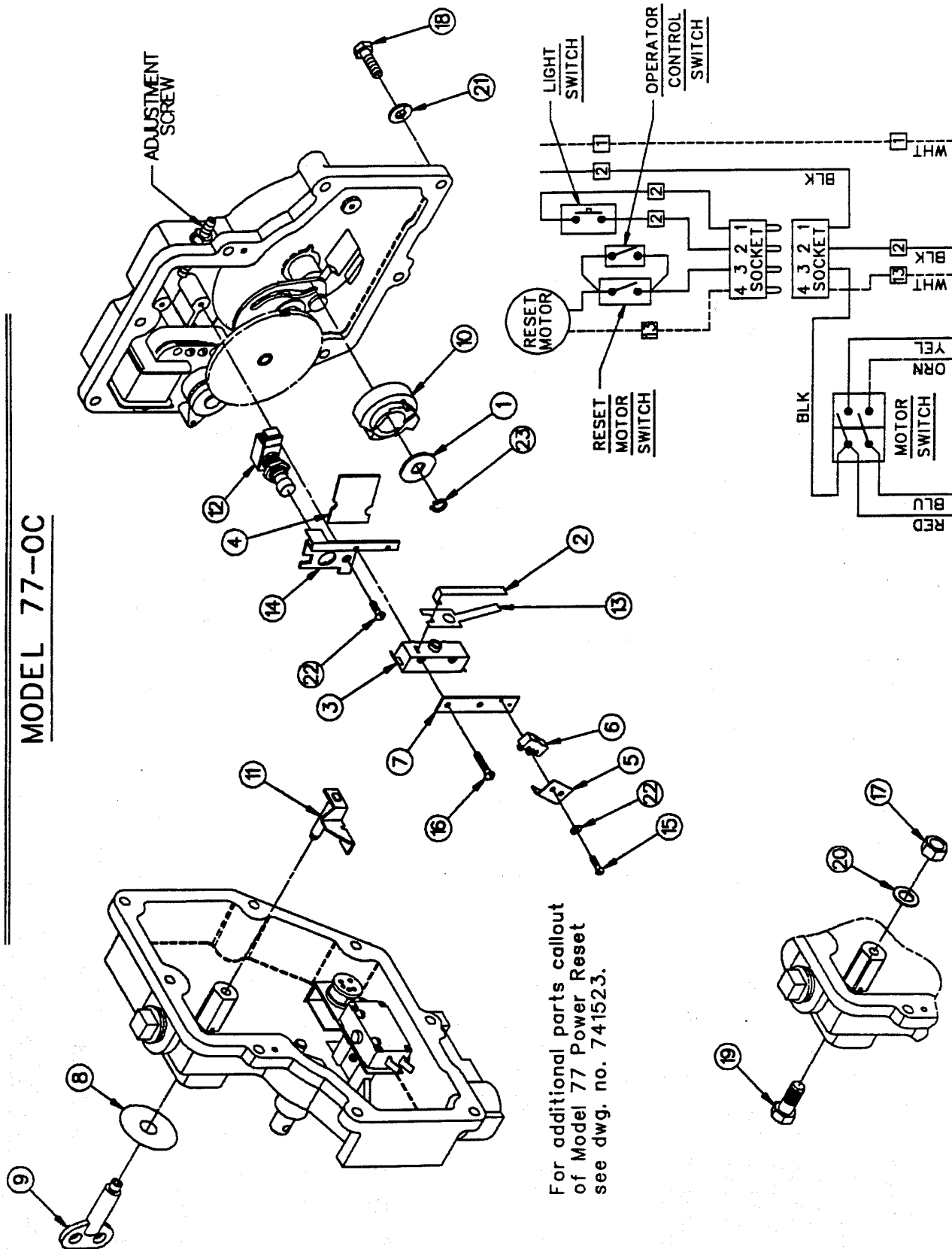
(Ref.) Computer Assembly
see dwg. no. 741521.

4-73152

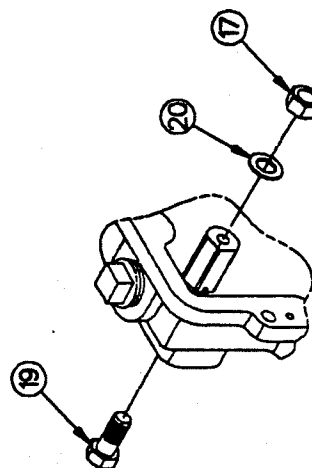
CONTACTOR & GEAR ASSEMBLY (GALLONS ONLY)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-118849	Seal Wire & Seal (6" Lg)	9	Drive Gear Assembly		16	22-51201	1/16" X 1" Long Cotter Pin
2	1-126667	Washer	222068-1	1250A-PR-APC/AFC,		17	07-52922	Truearc Retaining Ring
3	1-127265	Coupling		1250A-PR-APC-I/AFC-I		18	224577-1	Adjusting Block Complete
4	1-127448	Conduit Washer	223067-1	1248/50-MCS-A, 1248A/50A-MCS-A,		19	1-128104	Faston Receptacle (Not Shown)
5	1-128464	Clamp		1248/50-TW-MCS-A, 1248A/50A-TW-MCS-A,		For complete Contactor & Gear Assembly order:		
6	Plate & Bearing Assembly			1248/50-MCS-A-M, 1248A/50A-MCS-A-M,				
	222064-1	1250A-PR-APC/AFC, 1250A-PR-APC-I/AFC-I, 1248/50-TW MCS-A-M, 1248A/50A-TW-MCS-A-M		1248A/50A-TW-MCS-A-M, MCS-A-M				
222064-2	1248/50-MCS-A, 1248A/50A-MCS-A, 1248/50-TW-MCS-A, 1248A/50A-TW-MCS-A, 1248/50 MCS-A-M, 1248A/50A-MCS-A-M		10	Spacer 1/2" Hex. X 1-222521	1-57/64" Long (Single Units)	312202-1	1250A-PR-APC/AFC, 1250A-PR-APC-I/AFC-I	
7	Contactor & Conduit Assembly		2-222521	1-39/64" Long (Twin Units)		412482-1	1248/50 MCS-A, 1248A/50A MCS-A	
	222065-1	1250A-PR-APC/AFC, 1250A-PR-APC-I/AFC-I	11	Spacer 1/2" Hex. X 1-222522	1-23/32" Long (Single Units)	412482-2	1248/50-TW MCS-A, 1248A/50A-TW-MCS-A	
412595-1	1248/50-MCS-A, 1248A/50A-MCS-A		2-222522	1-7/16" Long (Twin Units)		412482-3	1248/50 MCS-A-M, 1248A/50A MCS-A-M	
412595-2	1248/50-TW-MCS-A, 1248A/50A-TW-MCS-A		12	397-50001	1/4-20 X 5/8" Lg Round Head Machine Screw	412482-4	1248/50-TW MCS-A-M, 1248A/50A-TW MCS-A-M	
412595-3	1248/50 MCS-A-M, 1248A/50A MCS-A-M		13	01-50301	1/4-20 X 1/2" Lg Hex Head Cap Screw			
412595-4	1248/50-TW MCS-A-M, 1248A/50A-TW-MCS-A-M		14	13-50641	1/4 Lockwasher			
8	1-224178	Driven Gear	15	25-51321	3/32" X 5/8" Long Groove Pin			

GENERAL ASSEMBLY - POWER RESET MODEL 77-OC



For additional parts callout of Model 77 Power Reset see dwg. no. 741523.



UNLIGHTED PUMPS ONLY

SCHEMATIC WIRING DIAGRAM

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3-74689

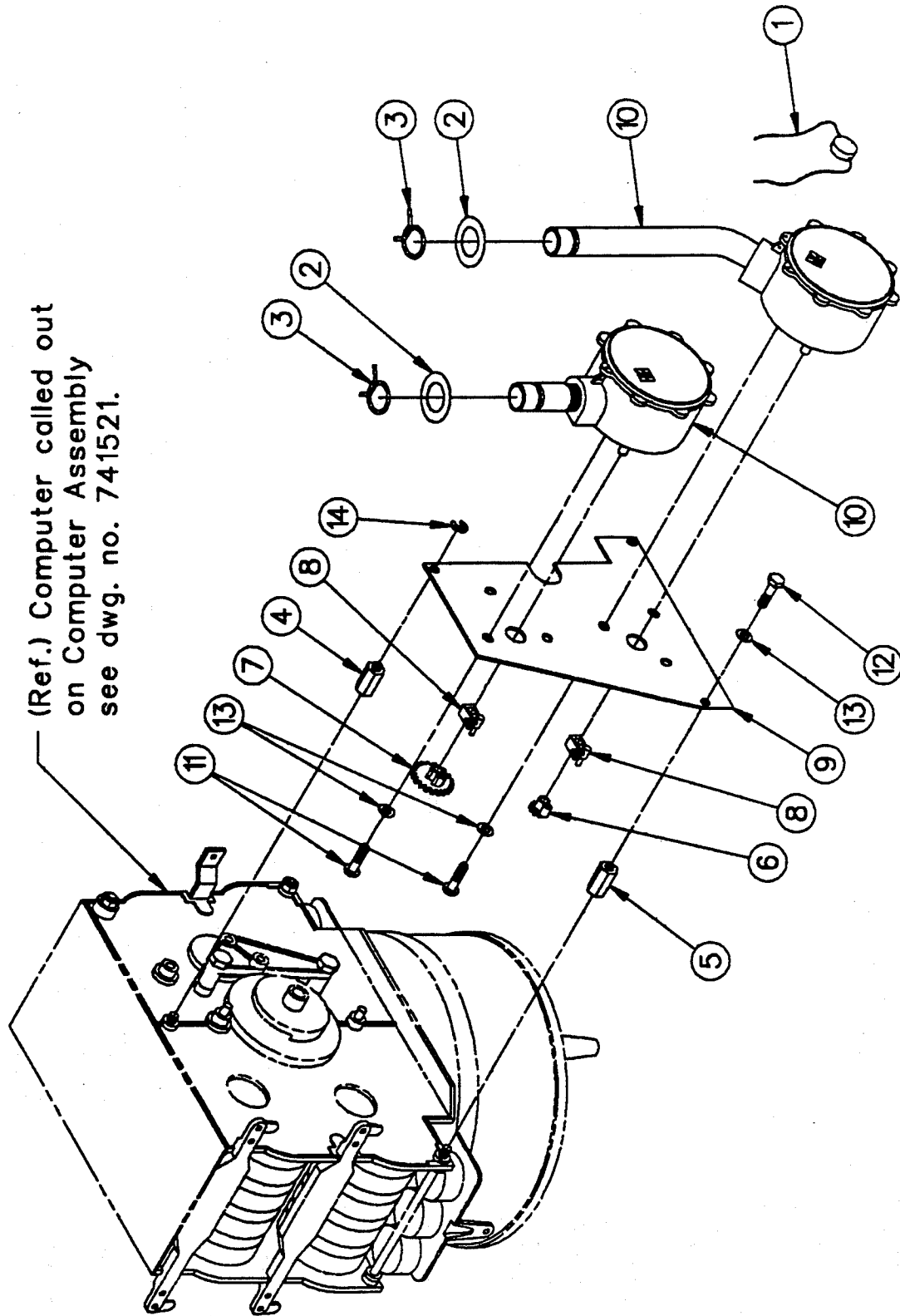
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GENERAL ASSEMBLY - POWER RESET (MODEL 77-OC)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-128775	Drive	20	15-50641	3/8" Lockwasher (Unlighted Pumps)
2	1-128792	Leaf Actuator	21	07-50761	#1114 Lockwasher
3	1-128797	Reset Switch	22	17-50761	#1202 Lockwasher
4	1-128829	Insulator	23	13-52922	Triarc Retaining Ring
5	1-129118	Insulation			
6	1-129490	Switch			
7	1-129645	Switch Mounting Bracket			
8	1-129695	Decal			
9	1-224114	Operator Key Complete			
10	224115-1	Cam Assembly			
11	224182-1	Actuator Assembly			
12	1-224716	Light Switch (Lighted Pumps)			
13	1-230337	Dampener Spring			
14	1-313932	Switch Bracket			
15	13-50001	#2-56 X 1/2" Long Round Head Machine Screw			
16	100-50001	#6-32 X 3/4" Long Round Head Machine Screw			
17	03-50301	3/8-16 Hex Nut (Unlighted Pumps)			
18	04-50361	1/4-20 X 7/8" Long Hex Head Cap Screw			
19	64-50361	3/8-16 X 7/8" Long Hex Head Cap Screw (Unlighted Pumps)			
Order the following Item Nos. to convert standard Model 77-PR to 77-OC when using existing Cover Assembly:			Order the following Item Nos. to convert standard Model 77-PR to 77-OC when using new Cover Assembly 413663-2:		
Items 5, 6, 7, 8, 9, 10, 11, 15 & 22			Items 8, 9 and 11		
For complete Cover Assembly order: 413663-2					

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CONTACTOR & GEAR ASSEMBLY (MONEY/GALLONS)

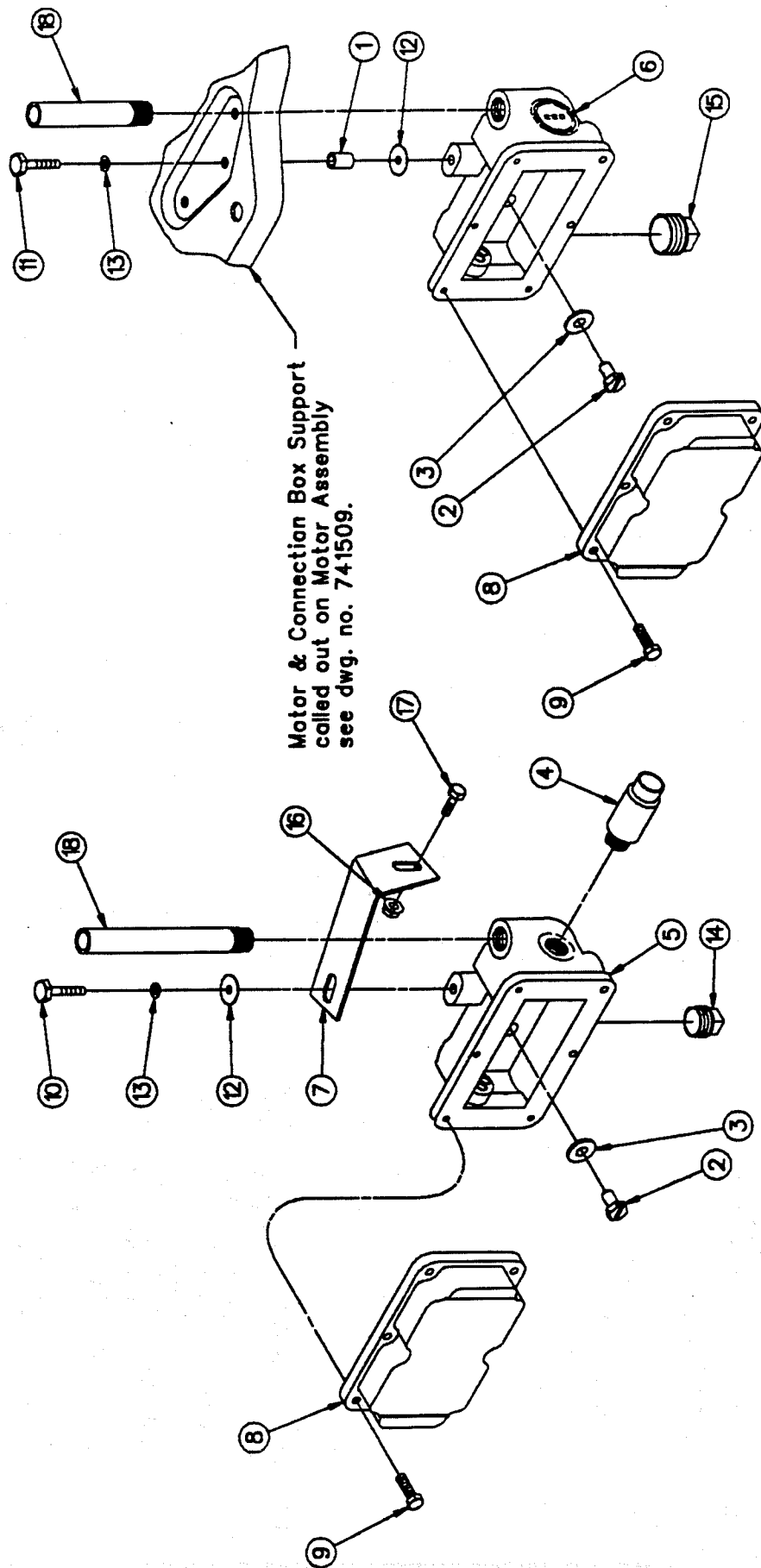


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CONTACTOR & GEAR ASSEMBLY (MONEY/GALLONS)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-118849	Seal Wire & Seal (6" Long)	11	393-50001	1/4-20 7/16" Long Round Head Machine Screw	For complete Computer & Contactor Assembly order:		
2	1-127448	Conduit Washer	12	16-50361	1/4-28 X 1/2" Long Hex Head Cap Screw	413912-1	1250A-AFC/MCS-M-G (4 Wheel)	
3	1-128464	Clamp	13	13-50641	1/4" Lockwasher	413912-2	1250A-APC/AFC-M (4 Wheel)	
4	1-129839	Upper Spacer	14	06-52482	Truarc Retaining Ring	413912-3	1250A-APC/AFC/MCS-G (4 Wheel)	
5	1-129840	Lower Spacer	For complete Contactor Assembly order:			413912-4	1250A-APC/AFC/MCS-M-G (3 Wheel)	
6	1-131501	Gear	413911-1	1250A-AFC/MCS-M-G	413912-5	1250A-APC/AFC/MCS-G (3 Wheel)		
7	1-131503	Gear	413911-2	1250A-APC/AFC/MCS-M	413912-6	1250A-APC/AFC/MCS-G (3 Wheel)		
8	224577-1	Adjusting Block Assembly	413911-3	1250A-APC/AFC/MCS-G	413912-7	1250AS-RHD/APC/AFC-M		
9	<u>Mounting Plate</u>		413911-5	1250A-RHD/APC/AFC-M	413912-8	1250AS-RHD/APC/AFC-G		
	1-313940	1250A-AFC/APC/MCS-G & M-G	413911-6	1250A-RHD/APC/AFC-G	413912-9	1250AS-RHD/APC/AFC-M-G		
	1-314087	1250AS-RHD/APC/AFC-M, G & M-G	413911-7	1250AS-RHD/APC/AFC-M-G	413912-12	1250AS-HS-AFC-M-G (4 Wheel)		
	1-317178	1250A/AS-CC-PR	413911-12	1250A/AS-CC-PR (10:1 Pulser)	413912-13	1250AS-HS-AFC-M (4 Wheel)		
10	<u>Contactor & Conduit Assembly</u>		413911-13	1250A/AS-CC-PR (100:1 Pulser)	413912-14	1250AS-AFC-G (4 Wheel)		
	314121-4	1250A/AS-CC-PR (10:1 Pulser)				413912-20	1250A/AS-CC-PR (10:1 Pulser)	
	314121-5	1250A/AS-CC-PR (100:1 Pulser)				413912-21	1250A/AS-CC-PR (100:1 Pulser)	
	412595-6	1250A-APC/AFC/MCS-M & M-G						
	412595-7	1250A-APC/AFC/MCS-G & M-G						
	412595-9	1250A-RHD/APC/AFC-M & M-G						
	412595-10	1250A-RHD/APC/AFC-G & M-G						

1248A & 1250A CONNECTION BOX & CONDUIT ASSEMBLY



1248A, 1248AS, 1248A-RC, 1248AS-RC, 1248A-1-TW,
1248A-1 & 2-RC-TW, 1250A, 1250AS, 1250A-RC,
1250AS-RC, 1250A-1-TW, 1250A-1 & 2-RC-TW

1248A-2-TW & 1250A-2-TW

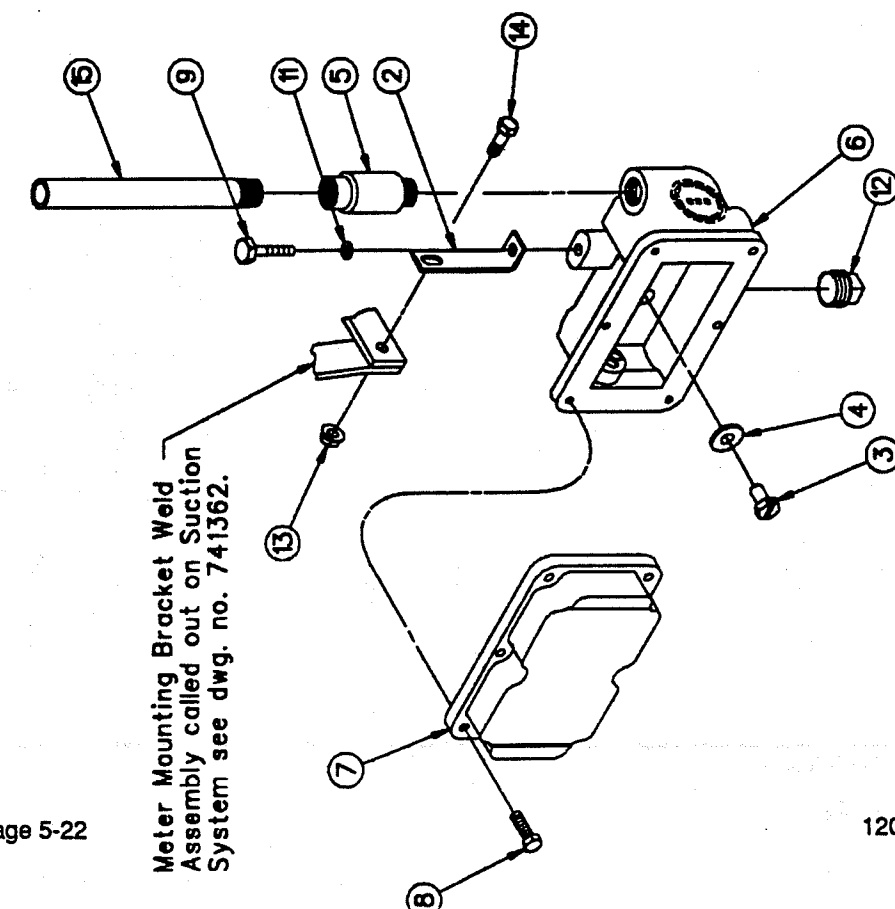
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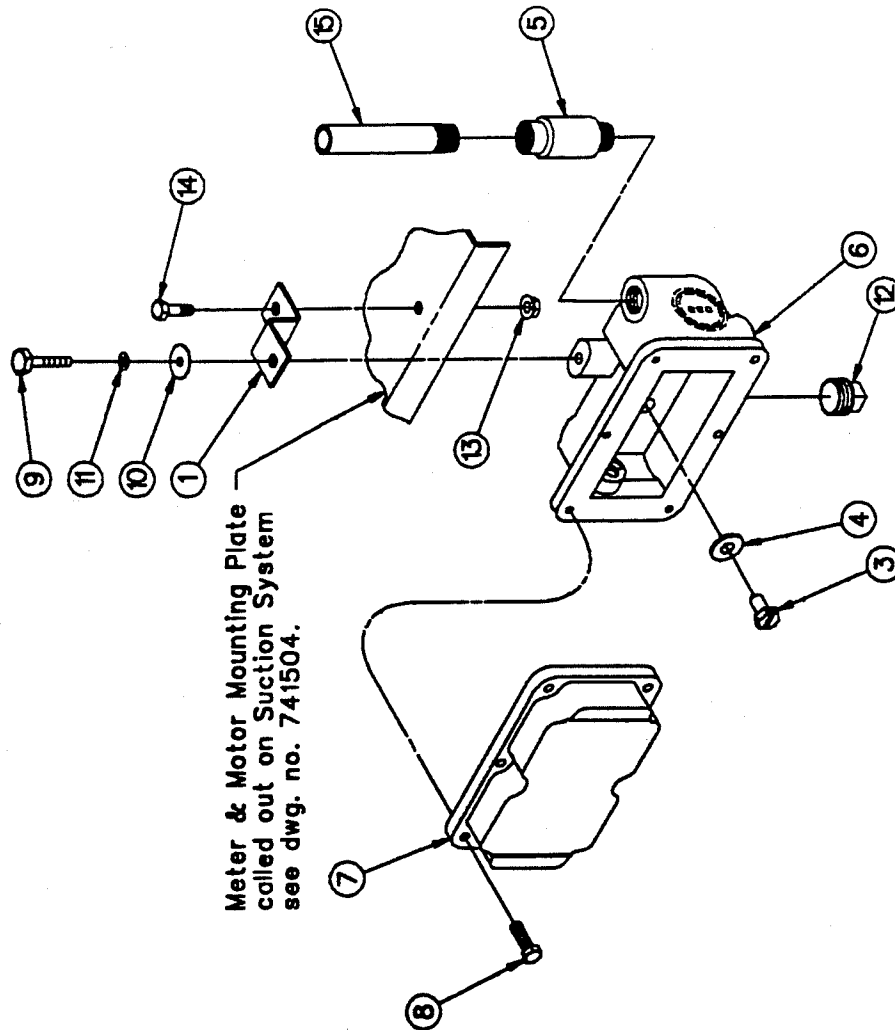
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1-741525

1248A & 1250A CONNECTION BOX & CONDUIT ASSEMBLY



1248AS-OIL, 1248AS-HD,
1250AS-OIL, 1250AS-HD,



1248A-OIL, 1248A-HS, 1248AS-HS,
1250A-OIL, 1250A-HS, 1250AS-HS

1-741526

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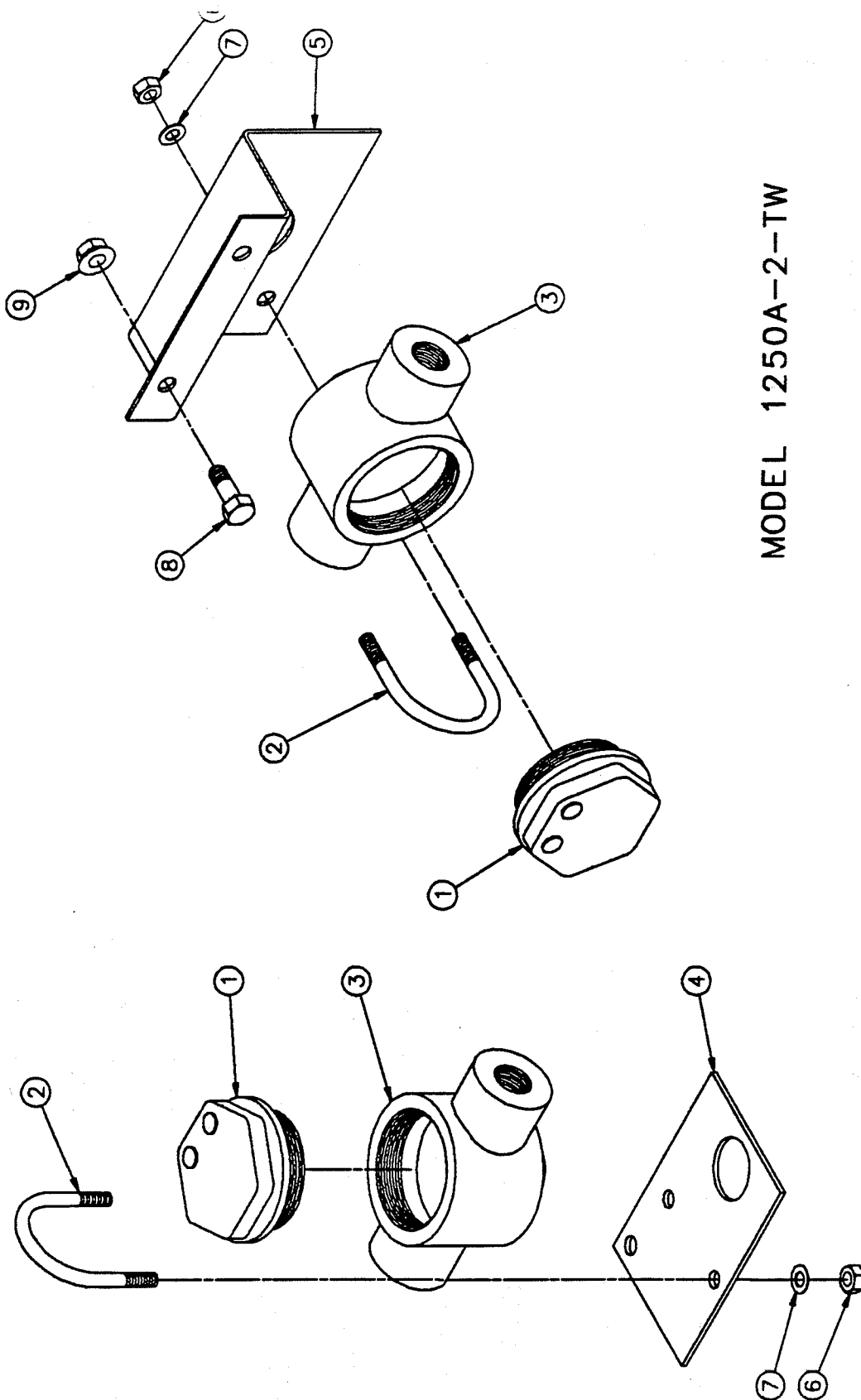
CONNECTION BOX & CONDUIT ASSEMBLY

(1248/50A-OIL, 1248/50AS-OIL, 1248/50AS-HD, 1248/50A-HS, 1248/50AS-HS)

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1-126752	Box Support	11	14-50641	5/16 Lockwasher
2	1-128086	Connection Box Mounting Box	12	05-51901	3/4 Pipe Plug
3	1-131270	#10-32 X 3/8" Long Special Screw	13	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
4	1-131322	Cup Washer	14	35-54742	5/16-18 X 5/8" Long M-F Hex Head Whiz-Lock Screw
5	1-218941	Expansion Union Male & Female	15	1-412657	Conduit
6	1-311233	Connection Box	<u>Note:</u> Complete Switch Box & Connection Box Assembly -- Drawing Nos. 412563, 412521 & 413260.		
7	1-311479	Connection Box Cover			
8	04-50361	1/4-20 X 7/8" Long Hex Head Cap Screw			
9	33-50361	5/16-18 X 3/4" Long Hex Head Cap Screw			
10	03-50611	5/16 Plate Washer			

1-741526

CONNECTION BOX ASSEMBLY FOR SPEAKER
(APC-1 & AFC-1 WITH MONEY, GALLONS & MONEY/GALLON PULSER)



MODEL 1250A-2-TW

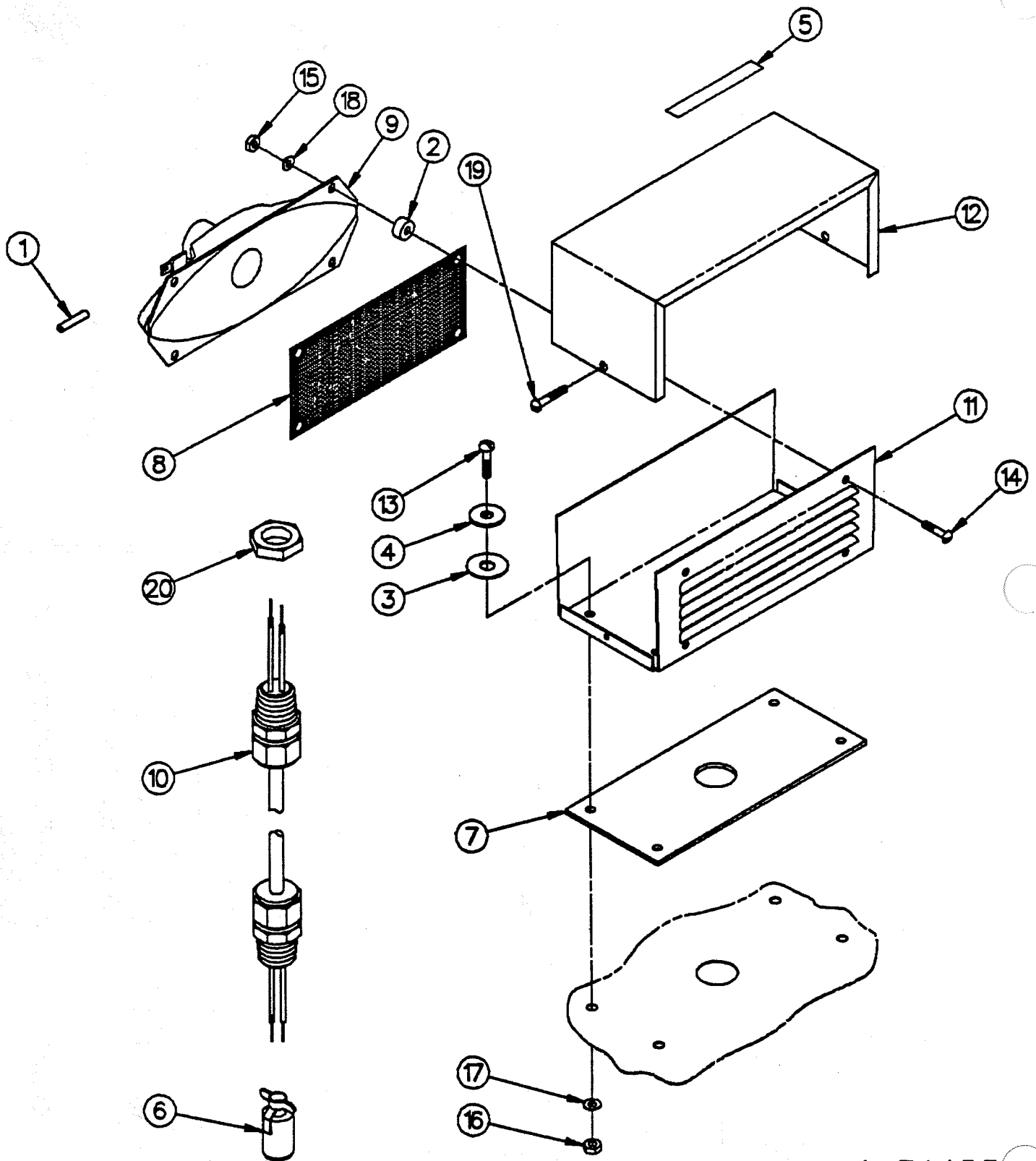
MODELS: 1250A, 1250AS, 1250A-RC,
1250AS-RC, 1250A-1-TW,
1250A-1-RC-TW, 1250A-1-RC-TW,
& 1250A-2-RC-TW

1-741532

CONNECTION BOX ASSEMBLY FOR SPEAKER**(APC-I & AFC-I WITH MONEY, GALLONS & MONEY/GALLONS PULSER)**

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1-19167	Connection Box Cover	For complete Specifications of APC-I & AFC-I order:		
2	1-128718	"U" Bolt			
3	<u>Connection Box</u>				
	1-22133	All 1250A-PR-AFC/APC-I			
	3-22133	All Except 1250A-PR-AFC/APC-I			
4	1-222911	Mounting Bracket	414029-3		1250A, 1250AS, 1250A-RC, 1250AS-RC
5	1-223287	Connection Box Bracket	414029-4		1250A-1-TW, 1250A-1 & 2-RC-TW
6	01-50301	1/4-20 Hex Nut	414029-5		1250A-2-TW
7	13-50641	1/4 Lockwasher	414029-6		1250A-1-TW, 1250A-1 & 2-RC-TW (Single Speaker)
8	35-54742	5/16-18 M-F Hex Head Whiz-Lock Screw	414029-7		1250A-2-TW (Single Speaker)
9	02-54752	5/16-18 M-F Flange Whiz- Lock Nut			

1250A SPEAKER ASSEMBLY (SINGLE & DUAL)



1-74153

1250A SPEAKER ASSEMBLY

(SINGLE & DUAL)

<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	2-126254	Insulator
2	1-126495	Dome Screw Gasket
3	2-127171	Gasket
4	1-127906	Plate Washer
5	1-128728	Decalcomania
6	1-221068	Connector
7	1-222812	Gasket
8	1-222813	Speaker Screen
9	222815-3	Speaker Assembly
10	<u>M.I. Cable</u>	
	1-222909	Single
	2-222909	Dual
11	1-312728	Speaker Box
12	1-312729	Box Cover
13	174-50031	#8-32 X 1/2" Long Round Head Self Tapping Screw
14	96-50034	#6-32 X 1/2" Long Truss Head Machine Screw
15	03-50211	#6-32 Hex Machine Nut
16	04-50211	#8-32 Hex Machine Nut
17	08-50641	#8 Lockwasher
18	03-50761	#6 Lockwasher
19	19-51444	#6 X 3/8" Long Round Head Self Tapping Screw
20	04-51872	1/2" Conduit Locknut

For complete Speaker & Box Assembly order:

312730-1 All 1250A-PR-AFC/APC-I
312730-4 1250APC-I-TW & 1250AFC-I TW

For complete Speaker Assembly order:

224061-2 1250A (Single)
224567-1 1250A (Dual)

1-741530

Section Six

SUCTION SYSTEMS

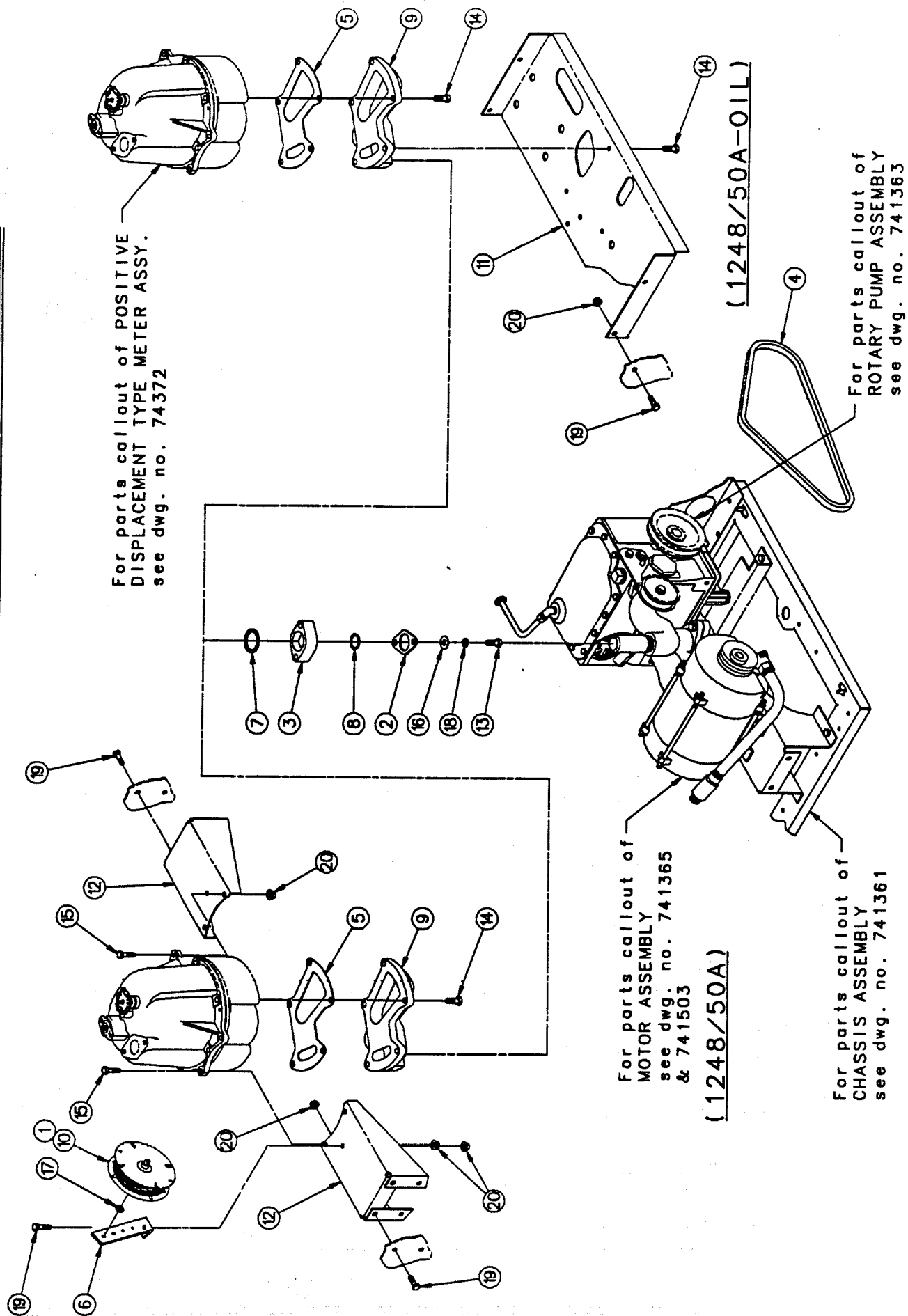
	Page Number
Suction System	
1248/50A, 1248/50A-OIL	6-2, 6-3
1248/50AS, 1248/50AS-HD, 1248/50AS-OIL, 1248/50A-1-TW	6-4, 6-5
Motor Assembly	
1248/50A, 1248/50A-1-TW	6-6, 6-7
1248/50A-OIL, 1248/50AS-OIL, 1248/50AS-HD	6-8, 6-9
Rotary Pump Assembly	
1248/50A, 1248/50AS, 1248/50AS-HD, 1248/50A-OIL, 1248/50AS-OIL, 1248/50A-1-TW	6-10, 6-11
Suction System	
1248/50A-HS, 1248/50AS-HS	6-12, 6-13
Motor Assembly	
1248/50A-HS, 1248/50AS-HS	6-14, 6-15
Rotary Pump Assembly	
1248/50-A-HS, 1248/50AS-HS	6-16, 6-17
Suction System	
1248A-2-TW, 1250A-2-TW	6-18, 6-19
Motor Assembly	
1248A-2-TW, 1250A-2-TW	6-20, 6-21
Rotary Pump Assembly	
1248A-2-TW, 1250A-2-TW	6-22, 6-23
Rotary Pump & Air Separator	
.....	6-24, 6-25

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SUCTION SYSTEM FOR 1248/50A & 1248/50A-OIL



SUCTION SYSTEM

(1248/50A & 1248/50A-OIL)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	4-126976	Cable (98" Long)	15	296-50361	5/16-18 X 1-1/8 Long Hex Head Cap Screw
2	1-129618	Flange	16	03-50611	5/16 Plate Washer
3	1-224019	Coupling	17	08-50621	5/16 Plain Washer
4	"V" Belt		18	14-50641	5/16 Lockwasher
	11-37852	1248A-OIL & 1250A-OIL	19	35-54742	5/16-18 X 5/8 Long M-F Hex Head Whiz-Lock Screw
	15-37852	1248A & 1250A	20	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
5	1-38082	Meter Transfer Body Gasket	For complete Meter Assembly order: 310417-1 1248/50A & 1248/50A-OIL 310417-2 1250A (Canada)		
6	1-311800	Reel Bracket			
7	6-313235	Gasket			
8	19-318940	"O" Ring			
9	2-406857	Meter Transfer Body			
10	410796-1	Model 826A Cable Reel Assy.			
11	1-411188	Meter & Motor Mounting Plate			
12	1-411234	Meter Support			
13	38-50361	5/16-18 X 1-3/4 Long Hex Head Cap Screw			
14	66-50361	5/16-18 X 1-1/4 Long Hex Head Cap Screw			

SUCTION SYSTEM

(1248/50AS, AS-HD, AS-OIL & 1248/50A-1-TW)

(Ref.) Column Top Support
called out on CHASSIS ASSY.

For parts callout of POSITIVE
DISPLACEMENT TYPE METER ASSY.
see dwg. no. 74372

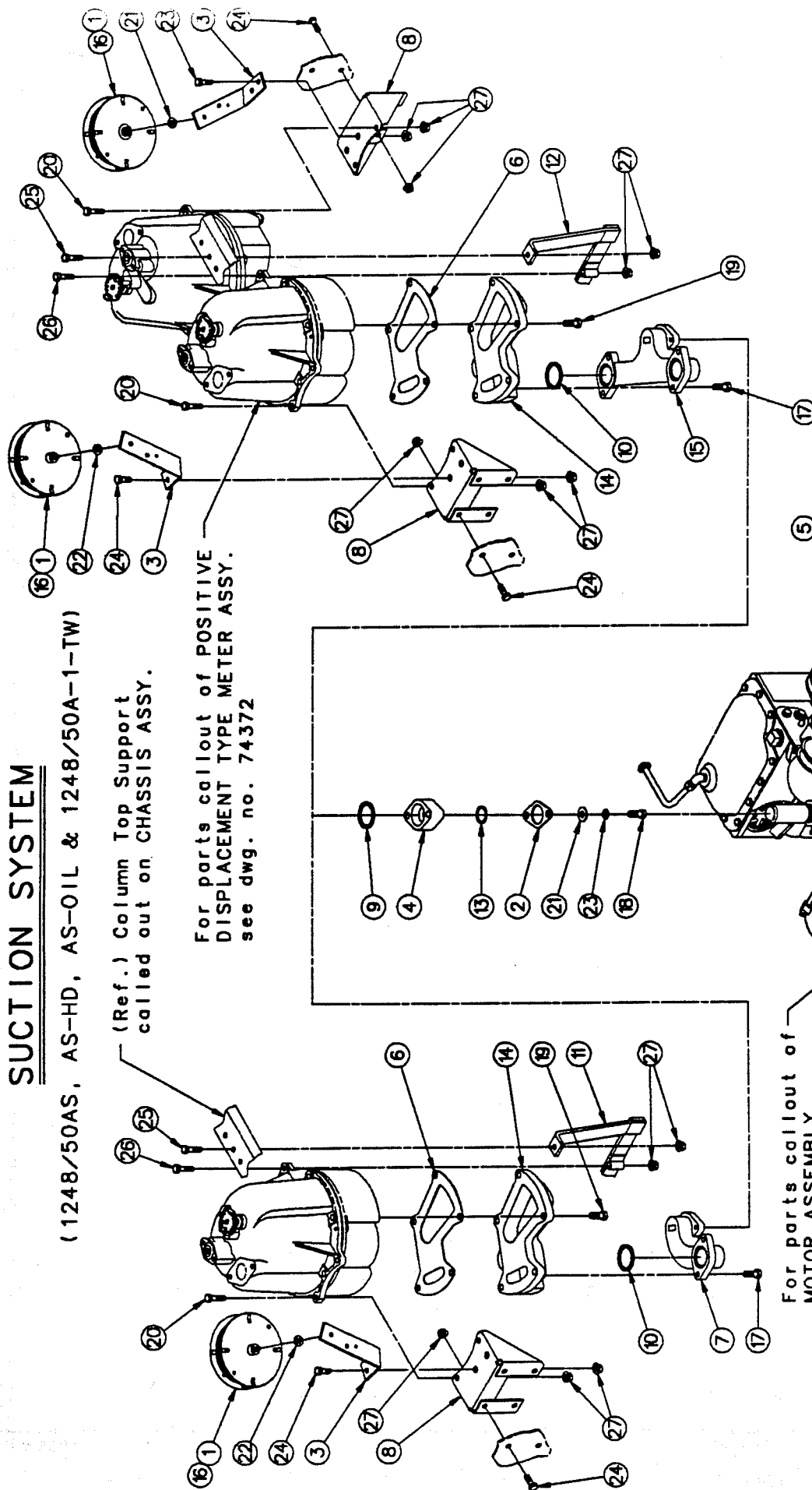
For parts callout of
MOTOR ASSEMBLY
see dwg. no. 741365
& 741503.

(1248/50AS, 1248/50AS-HD,
& 1248/50AS-OIL)

For parts callout of
CHASSIS ASSEMBLY
see dwg. no. 741361

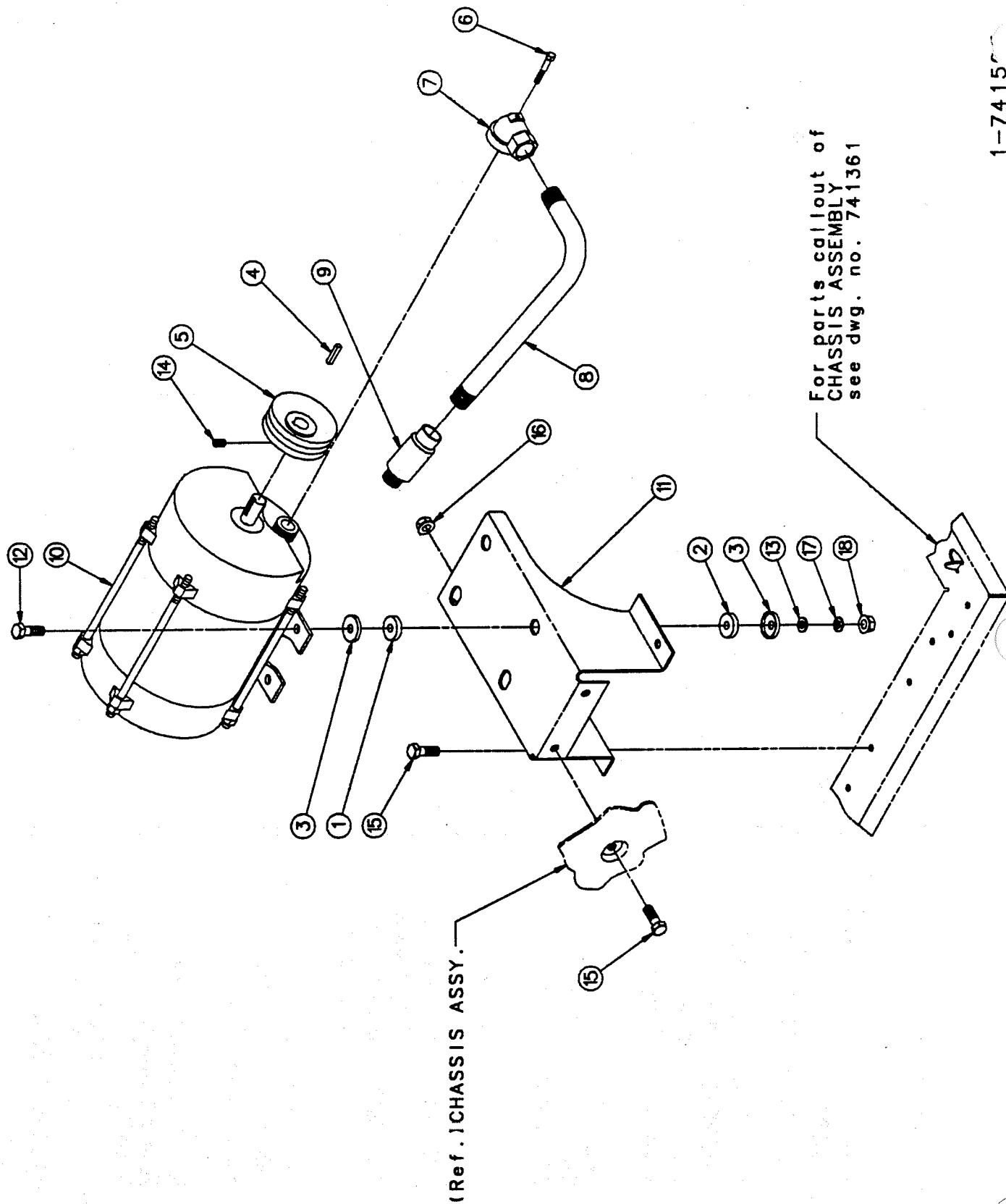
For parts callout of
ROTARY PUMP ASSEMBLY
see dwg. no. 741363

(1248/50A-1-TWIN)



1-741362

MOTOR ASSEMBLY FOR 1248/50A & 1248/50A-1-TW



1-741503

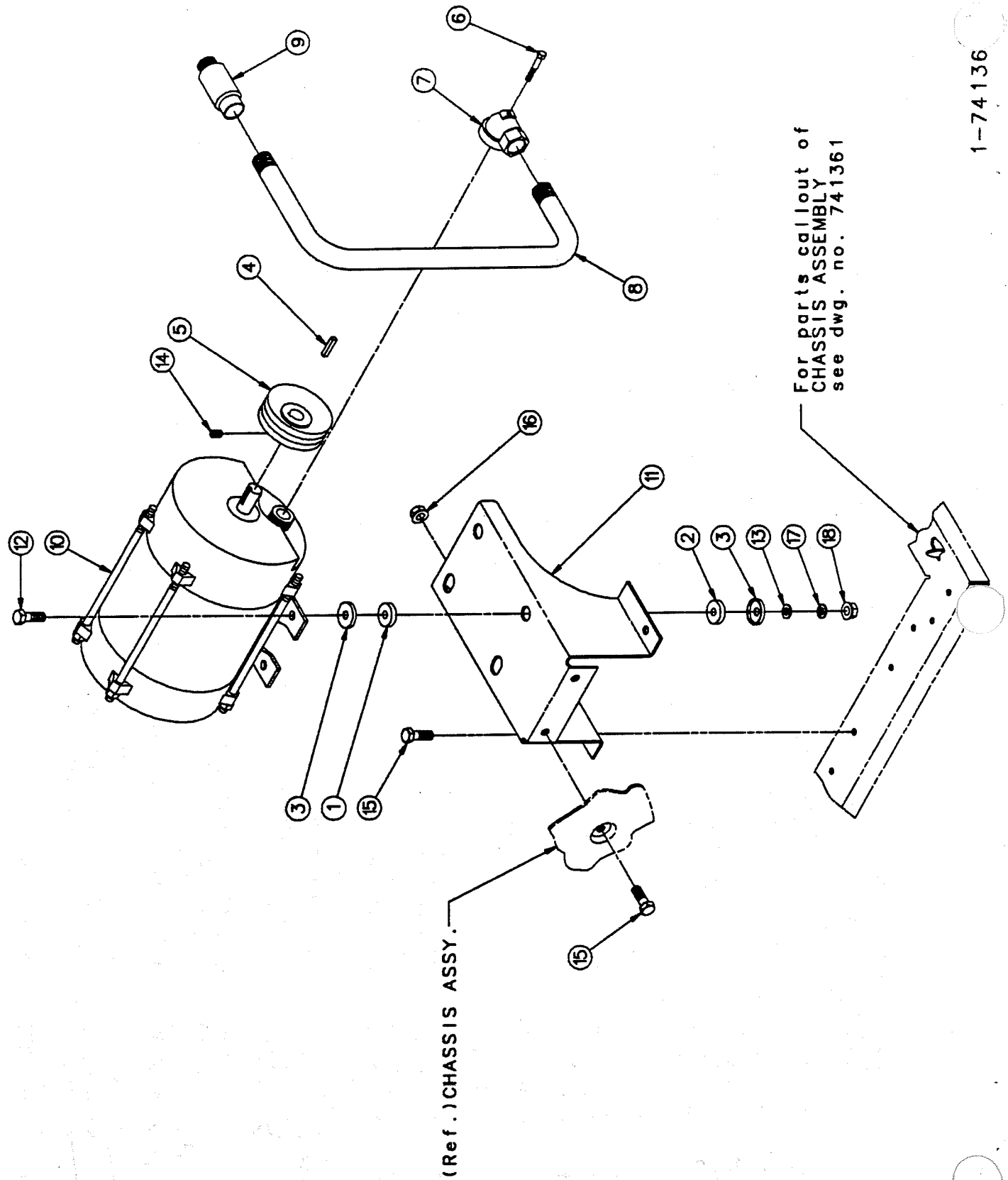
1 of 1

MOTOR ASSEMBLY (1248/50A & 1248/50A-1-TW)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-114468	Cushlon Grommet	12	37-50361	5/16-18 X 1-1/2 Length Hex Head
2	1-114469	Cushlon Washer			Cap Screw
3	1-114470	Cushlon Retainer	13	03-50611	5/16 Plate Washer
4	1-119636	Key	14	65-50721	5/16-18 X 1/4 Lg Hex Socket Head Cup Point Set Screw
5	Motor Pulley		15	35-54742	5/16-18 X 5/8 Lg M-F Hex Head Whiz-Lock Screw
	1-119529	1248/50A-1-TW	16	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
	2-221339	1248/50A	17	14-50641	5/16 Lockwasher
6	1-121413	Special Screw	18	02-50301	5/16-18 Hex Nut
7	1-214107	Conduit Connector	For complete Motor Conduit Assembly order:		
8	1-218860	Motor Conduit			
9	1-218941	Expansion Union			
10	Motor				
	1-405586	1/3 HP A. O. Smith (1248/50A)	39168-1	1248/50A & 1248/50A-1-TW	
	4-408411	1/3 HP General Electric (1248/50A)	39168-4	1250A-1-TW (Canada)	
	1-412766	1/3 HP Franklin Electric (1248/50A)			
	1-406206	1/2 HP Leland (1248/50A-1-TW)			
	1-408389	1/2 HP A.O. Smith (1248/50A-1-TW)			
	1-415138	1/2 HP General Elec (1248/50A-1-TW)			
	1-416908	1/2 HP Franklin Elec(1248/50A-1-TW)			
	7-408234	3/4 HP A. O. Smith (Canada)			
	4-410310	3/4 HP General Electric (Canada)			
	1-416440	3/4 HP Franklin Electric (Canada)			
11	1-411235	Motor Support			

1-741503

MOTOR ASSEMBLY FOR 1248/50A-OIL, AS-OIL & AS-HD



1-74136

1-741365

1 of 1

MOTOR ASSEMBLY (1248/50A-OIL, AS-OIL & AS-HD)

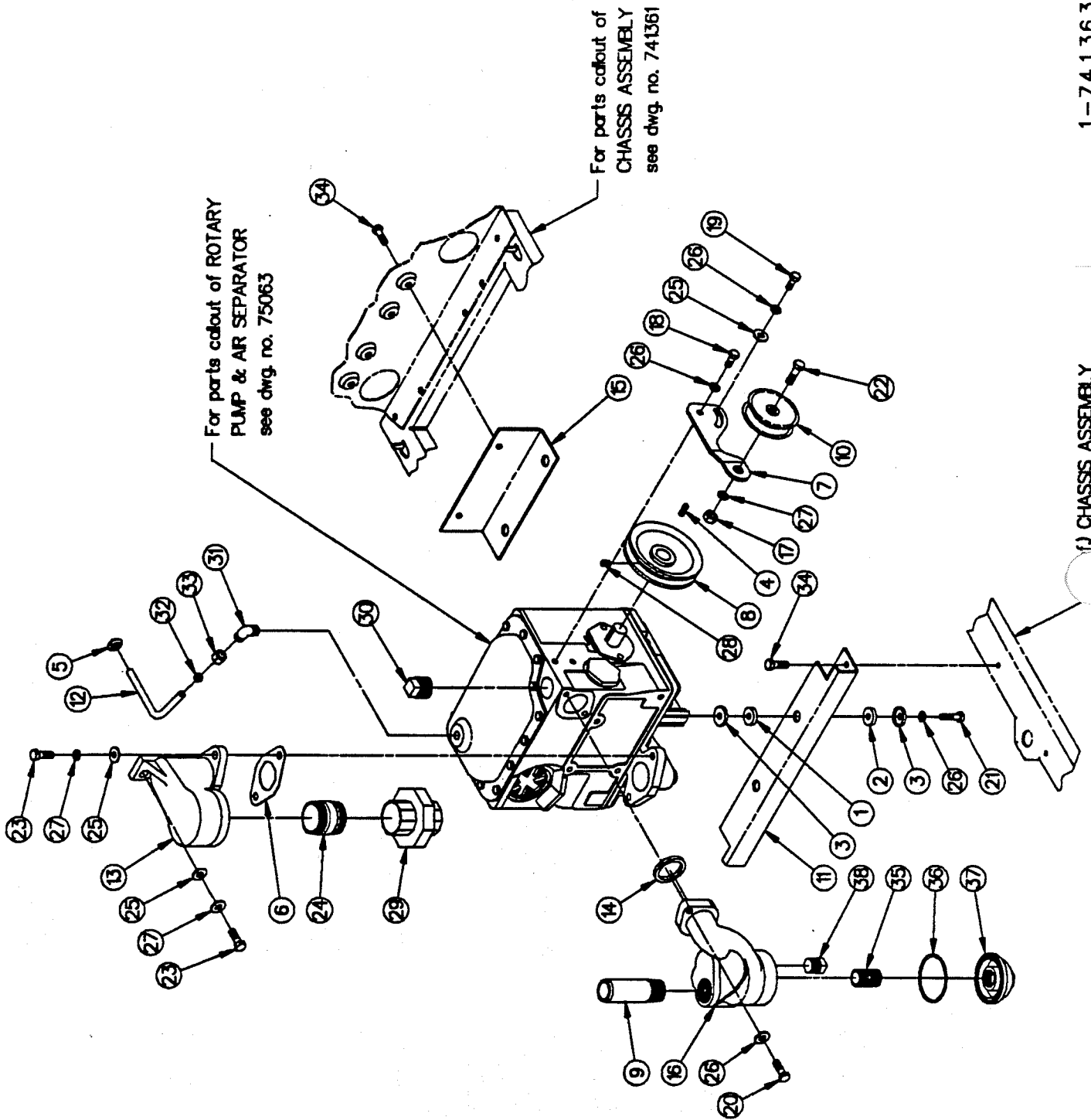
<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>ITEM NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1	1-114468	Cushion Grommet	11	1-411235	Motor Support
2	1-114469	Cushion Washer	12	37-50361	5/16-18 X 1-1/2 Lg Hex Head Cap Screw
3	1-114470	Cushion Retainer	13	03-50611	5/16 Plate Washer
4	1-119636	Key	14	65-50721	5/16-18 X 1/4 Lg Hex Socket Head Cup Point Set Screw
5	<u>Motor Pulley</u>		15	35-54742	5/16-18 X 5/8 Lg M-F Hex Head Whiz-Lock Screw
	1-119529	1248/50AS-HD	16	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
	2-221339	1248/50A-OIL & AS-OIL	17	14-50641	5/16 Lockwasher
6	1-121413	Special Screw	18	02-50301	5/16-18 Hex Nut
7	1-214107	Conduit Connector			
8	1-221998	Motor Conduit			
9	1-218941	Expansion Union			
10	<u>Motor</u>				
	7-408234	3/4 H.P. 60 Cycle A. O. Smith (1248/50A-OIL & AS-OIL)			
	4-410310	3/4 H.P. 60 Cycle General Elec. (1248/50A-OIL & AS-OIL)			
	1-416440	3/4 H.P. 60 Cycle Franklin Elec. (1248/50A-OIL & AS-OIL)			
	8-408234	3/4 H.P. 50/60 Cycle A. O. Smith (1248/50AS-HD)			
	7-410310	3/4 H.P. 50/60 Cycle General Electric (1248/50AS-HD)			
	3-416440	3/4 H.P. 50/60 Cycle Franklin Electric (1248/50AS-HD)			

For complete Motor Conduit Assembly order:

311232-2 1248/50A-OIL, AS-OIL, AS-HD

1-741365

ROTARY PUMP ASSEMBLY FOR I248/50A, AS, A-OIL, AS-OIL, AS-HD & A-I-TW



1-741363

1) CHASSIS ASSEMBLY

1-741363

1 of 1

ROTARY PUMP ASSEMBLY (1248/50A, AS, A-OIL, AS-OIL, AS-HD & A-1-TW)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-114468	Cushion Grommet	21	36-50361	5/16-18 X 1-1/4" Long Hex Head Cap Screw	35	1-125865	Nipple
2	1-114469	Cushion Washer	22	67-50361	3/8-16 X 1-1/2" Long Hex Head Cap Screw	36	16-313235	Gasket
3	1-114470	Cushion Retainer	23	297-50361	3/8-16 X 1-1/8" Long Hex Head Cap Screw	37	1-218950	Standard Duty Wix Filter
4	1-119636	Key	24	Pipe 269-50510	1-1/2 X 2-1/4" Lg (U.S.)	1-226999		Water Alert Filter
5	1-127786	Grommet		123-50560	1-1/2 X 4-1/2" Lg (1250A & 1250AS-HD) (Canada)	1-311509		Heavy Duty Wix Filter
6	1-217902	Pump Inlet Connection		138-50560	2" X 4-1/2" Long (1250A-1-TW)(Canada)	1-318183		Cap
7	1-217903	Gasket	25	03-50611	5/16 Plate Washer	38	05-51901	3/4" Pipe Plug
8	Pump Pulley 1-216295	1248/50AS-HD	26	14-50641	5/16 Lockwasher	For complete Rotary Pump Assembly order:		
1-217999		1248/50A-OIL & AS-OIL	27	15-50641	3/8 Lockwasher			
2-221338		1248/50A, AS & A-1-TW	28	65-50721	5/16-18 X 1/4" Lg Hex Socket Head Cup Point Set Screw			
9	2-220383	Coupling Nipple	29	27-51780	1-1/2" Female Union			
3-220383		Coupling Nipple (1248/50A with Wix Filter Only)	28-51780		2" Female Union (1250A-1-TW) (Canada)			
10	1-221668	Idle Pulley	30	06-51901	1" Pipe Plug	For complete Rotary Pump Assembly order:		
11	1-221821	Pump Support	31	05-52020	Compression Elbow			
12	2-224150	Vent Tube	32	05-52040	Compression Sleeve			
13	1-38403	Pump Inlet Connection	33	14-52040	Compression Nut			
14	14-313235	Gasket	34	35-54742	5/16-18 X 5/8" Lg M-F Hex Hd. Whiz-Lock Screw			
15	1-312034	Pump Support Bracket				For complete Idler Arm & Pulley Assembly order:		
16	Rotary Pump Discharge Connection 1-38401	1248/50A & A-OIL						
1-407225		All Except 1248/50A & A-OIL						
Suction Filter Adapter For Wix Filter 3-418039		All Except 1248 & 1250A						
4-418039		1248A & 1250A						
17	03-50301	3/8-16 Hex Nut				For complete Idler Arm & Pulley Assembly order:		
18	32-50361	5/16-18 X 5/8" Long Hex Head Cap Screw						
19	33-50361	5/16-18 X 3/4" Long Hex Head Cap Screw						
20	35-50361	5/16-18 X 1" Long Hex Head Cap Screw						

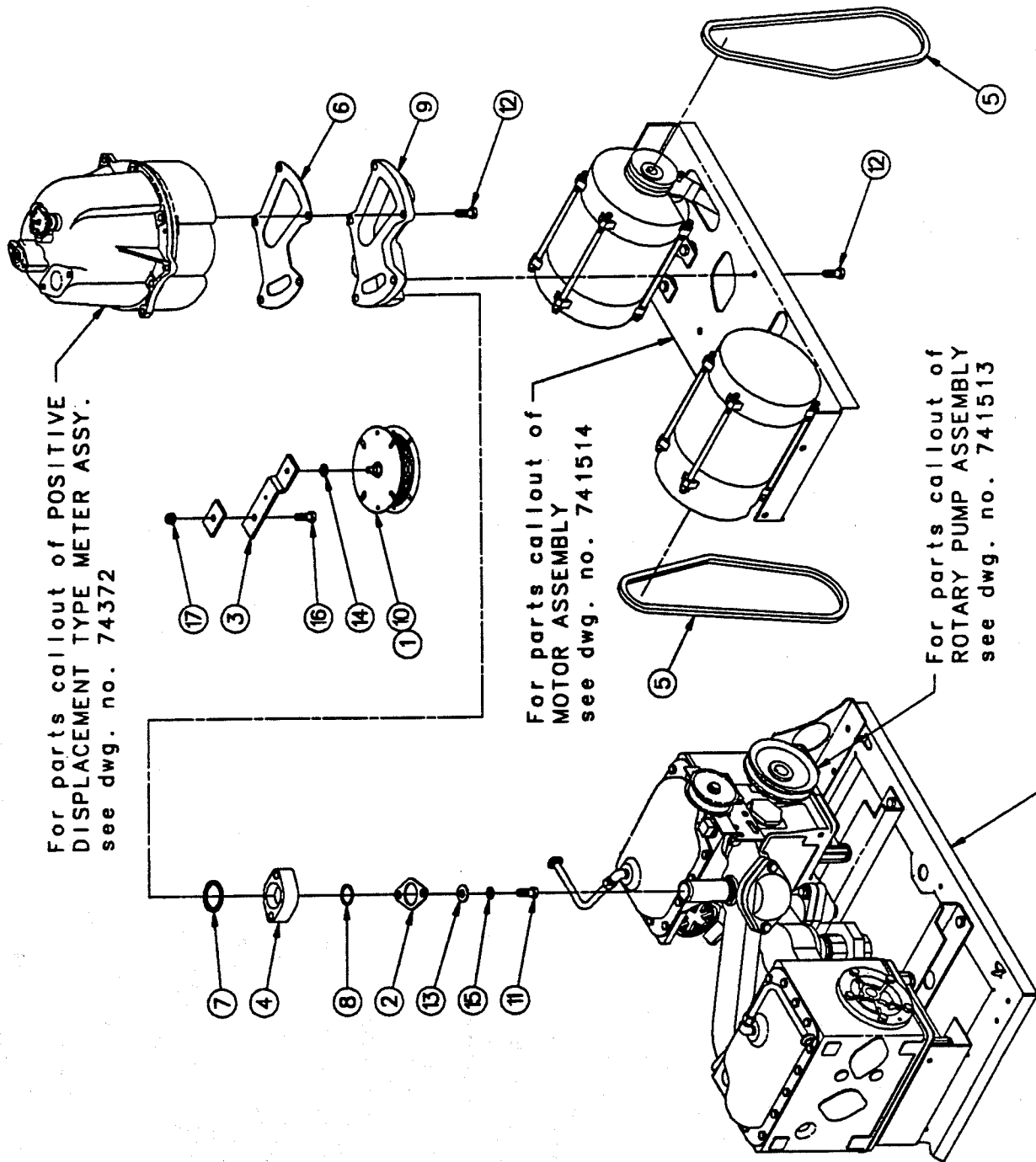
For complete Idler Arm & Pulley Assembly order:

37277-5

1-741363

SUCTION SYSTEM

(1248A/AS-HS & 1250A/AS-HS)



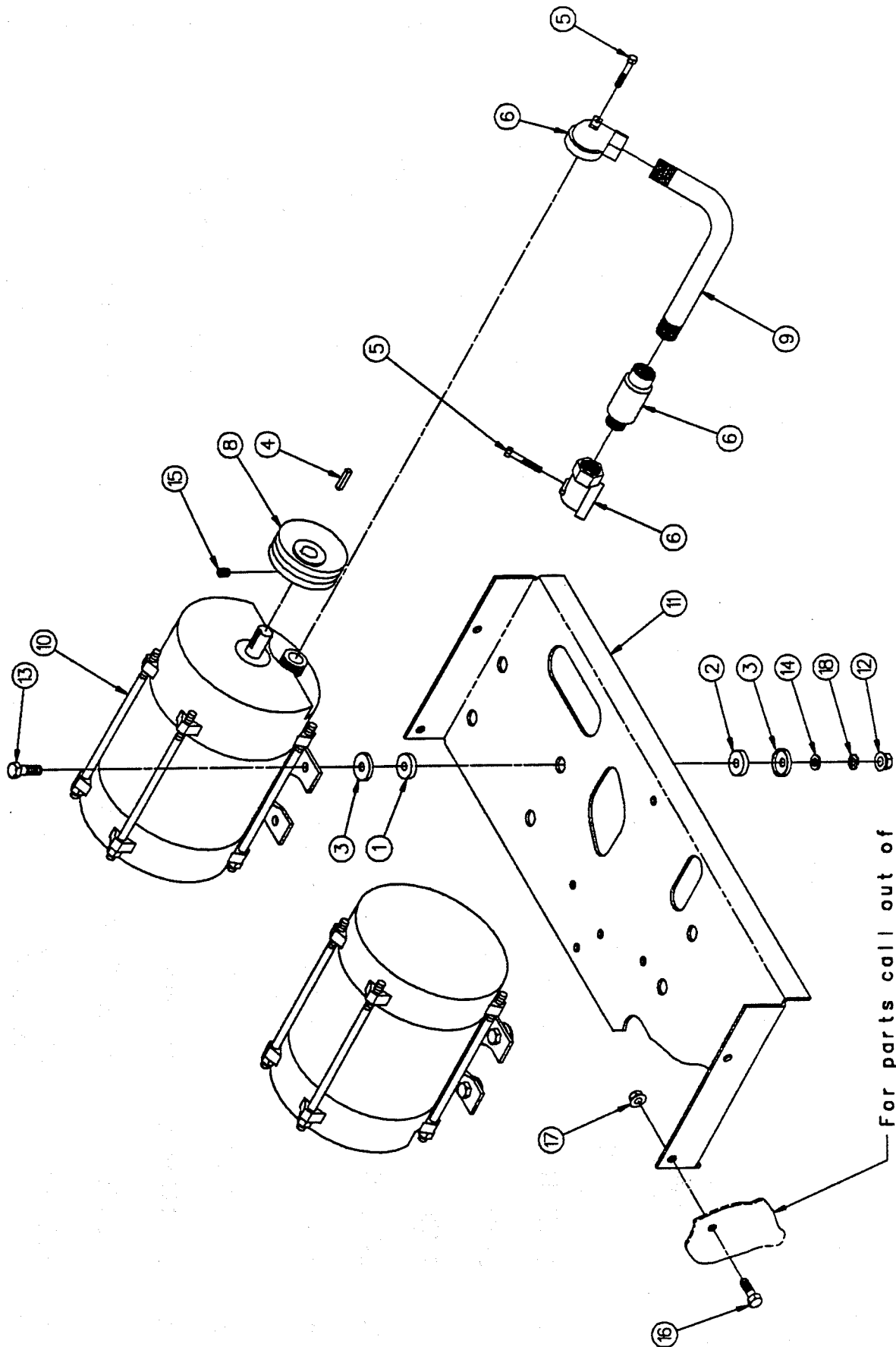
1-741512

SUCTION SYSTEM

(1248A/AS-HS & 1250A/AS-HS)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	4-126976	Cable (98" Long)	12	66-50361	5/16-18 X 1-1/4" Long Hex Head Cap Screw
2	1-129618	Flange	13	03-50611	5/16 Plate Washer
3	1-223440	Reel Bracket	14	08-50621	5/16 Plain Washer
4	1-224019	Coupling	15	14-50641	5/16 Lockwasher
5	14-37852	"V" Belt	16	35-54742	5/16-18 X 5/8 Lg M-F Hex Head Whiz-Lock Screw
6	1-38082	Meter Transfer Body Gasket	17	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
7	6-313235	Gasket	For complete Meter Assembly order:		
8	19-318940	"O" Ring			
9	2-406857	Meter Transfer Body			
10	410796-12	Model 826A Cable Reel Assembly	310417-1	1248A/AS-HS & 1250A/AS-HS	
11	38-50361	5/16-18 X 1-3/4" Long Hex Head Cap Screw			

MOTOR ASSEMBLY (1248A/AS-HS & 1250A/AS-HS)



For parts call out of
CHASSIS ASSEMBLY
see dwg. no. 741361

1-741514

1-741514
1 of 1

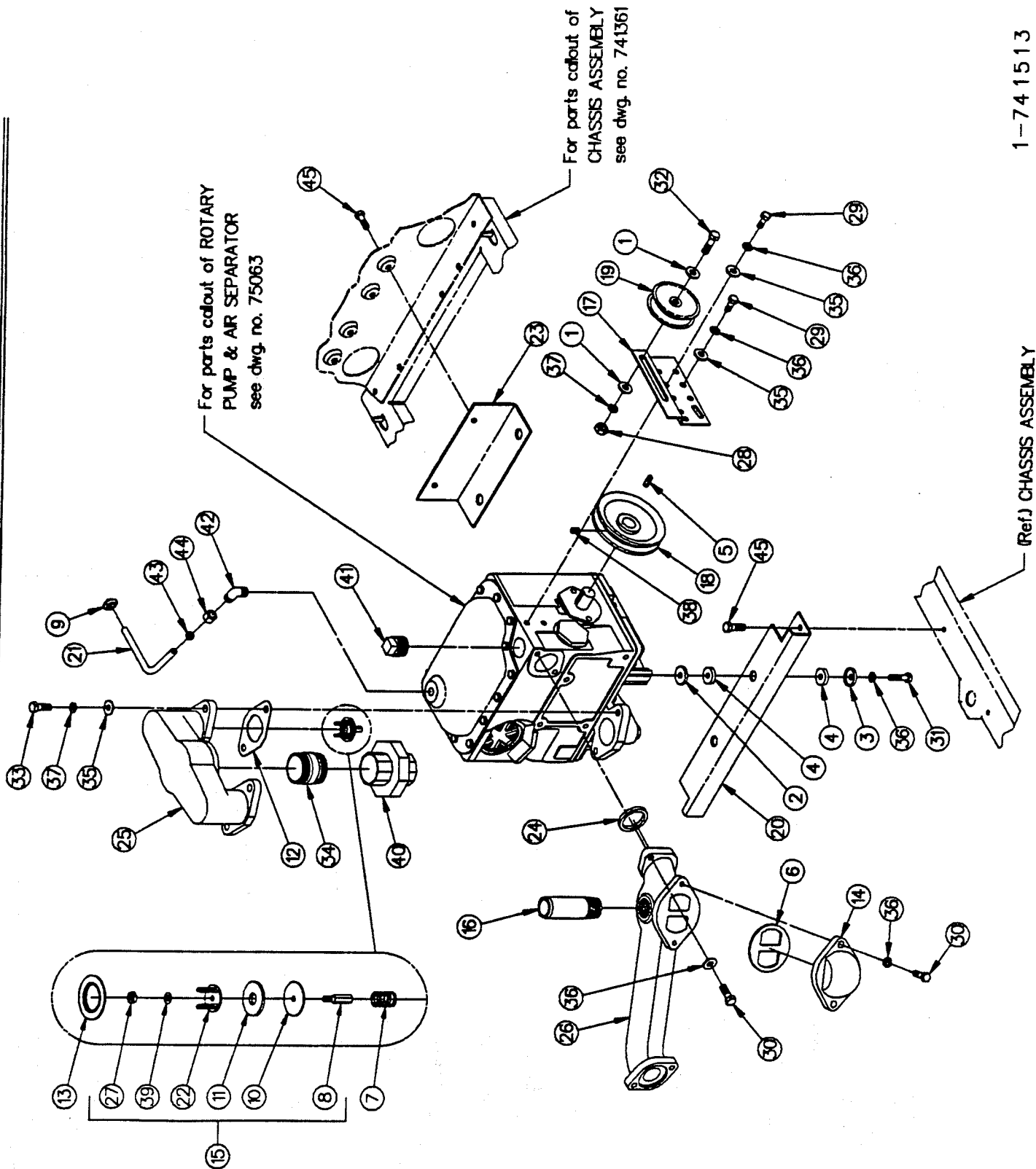
MOTOR ASSEMBLY

(1248A/AS-HS & 1250A/AS-HS)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	1-114468	Cushion Grommet	13	37-50361	5/16-18 X 1-1/2" Lg. Hex Head Cap Screw
2	1-114469	Cushion Washer	14	03-50611	5/16 Plate Washer
3	1-114470	Cushion Retainer	15	65-50721	5/16-18 X 1/4" Long Hex Socket Head Cup Point Set Screw
4	1-119636	Key	16	35-54742	5/16-18 X 5/8" Long M-F Hex Head Whiz-Lock Screw
5	1-121413	Special Screw	17	02-54752	5/16-18 M-F Flange Whiz-Lock Nut
6	1-214107	Conduit Connector	18	14-50641	5/16 Lockwasher
7	1-218941	Expansion Union	For complete Motor Conduit Assembly order: 39180-2 1248A/AS-HS 1250A/AS-HS		
8	2-221339	Motor Pulley			
9	1-221959	Motor Conduit			
10	Motor 1/2 H.P.				
	1-407914	A. O. SMITH			
	1-414445	General Electric			
	1-416834	Franklin Electric			
11	1-411188	Meter & Motor Mounting Plate			
12	02-50301	5/16-18 Hex Nut			

1-741514

ROTARY PUMP ASSEMBLY FOR I248A/AS-HS & I250A/AS-HS



1-741513

1-741513
1 of 1

ROTARY PUMP ASSEMBLY (1248A/AS-HS & 1250A/AS-HS)

ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION	ITEM NO.	PART NO.	DESCRIPTION
1	2-13867	Washer	26	1-407757	Pump Discharge Connection	39	06-50761	#12 Lockwasher (Shakeproof)
2	1-114468	Cushion Grommet	27	06-50211	#12-24 Hex Machine Nut	40	27-51780	1-1/2 Female Union
3	1-114469	Cushion Washer	28	03-50301	3/8-16 Hex Nut	41	06-51901	1" Pipe Plug
4	1-114470	Cushion Retainer	29	33-50361	5/16-18 X 3/4 Lg Hex Hd. Cap Screw	42	05-52020	Compression Elbow
5	1-119636	Key	30	35-50361	5/16-18 X 1" Lg. Hex Hd. Cap Screw	43	05-52040	Compression Sleeve
6	1-125619	Gasket	31	36-50361	5/16-18 X 1-1/4 Lg Hex Hd. Cap Screw	44	14-52040	Compression Nut
7	1-125630	Compression Spring	32	67-50361	3/8-16 X 1-1/2 Lg. Hex Hd. Cap Screw	45	35-54742	5/16-18 X 5/8 Length M-F Hex Hd Whiz-Lock Screw
8	1-125632	Check Valve Stem	33	297-50361	3/8-16 X 1-1/8 Lg. Hex Hd. Cap Screw			
9	1-127786	Grommet	34	269-50510	1-1/2 X 2-1/4 Length Pipe			
10	1-130561	Poppet Retainer	35	03-50611	5/16 Plate Washer			
11	1-130562	Poppet Seal	36	14-50641	5/16 Lockwasher			
12	1-217902	Pump Inlet Connection Gasket	37	15-50641	3/8 Lockwasher			
13	1-218897	Valve Seat	38	65-50721	5/16-18 X 1/4 Lg. Hex Socket Head Cup Point Set Screw			
14	1-218914	Cover						
15	220300-1	Poppet Disc Assy						
16	2-220383	Coupling Nipple						
17	1-220849	Idler Arm						
18	2-221338	Pump Pulley						
19	1-221668	Idler Pulley						
20	1-221821	Pump Support						
21	2-224150	Vent Tube						
22	1-225595	Poppet Guide						
23	1-312034	Pump Support Bracket						
24	14-313235	Gasket						
25	2-407747	Pump Inlet Conn.						

For complete Rotary Pump Assembly order:

411284-4 1248A/AS-HS & 1250A/AS-HS

For complete Idler Arm & Pulley Assembly order:

37277-16 1248A/AS-HS & 1250A/AS-HS

1-741513

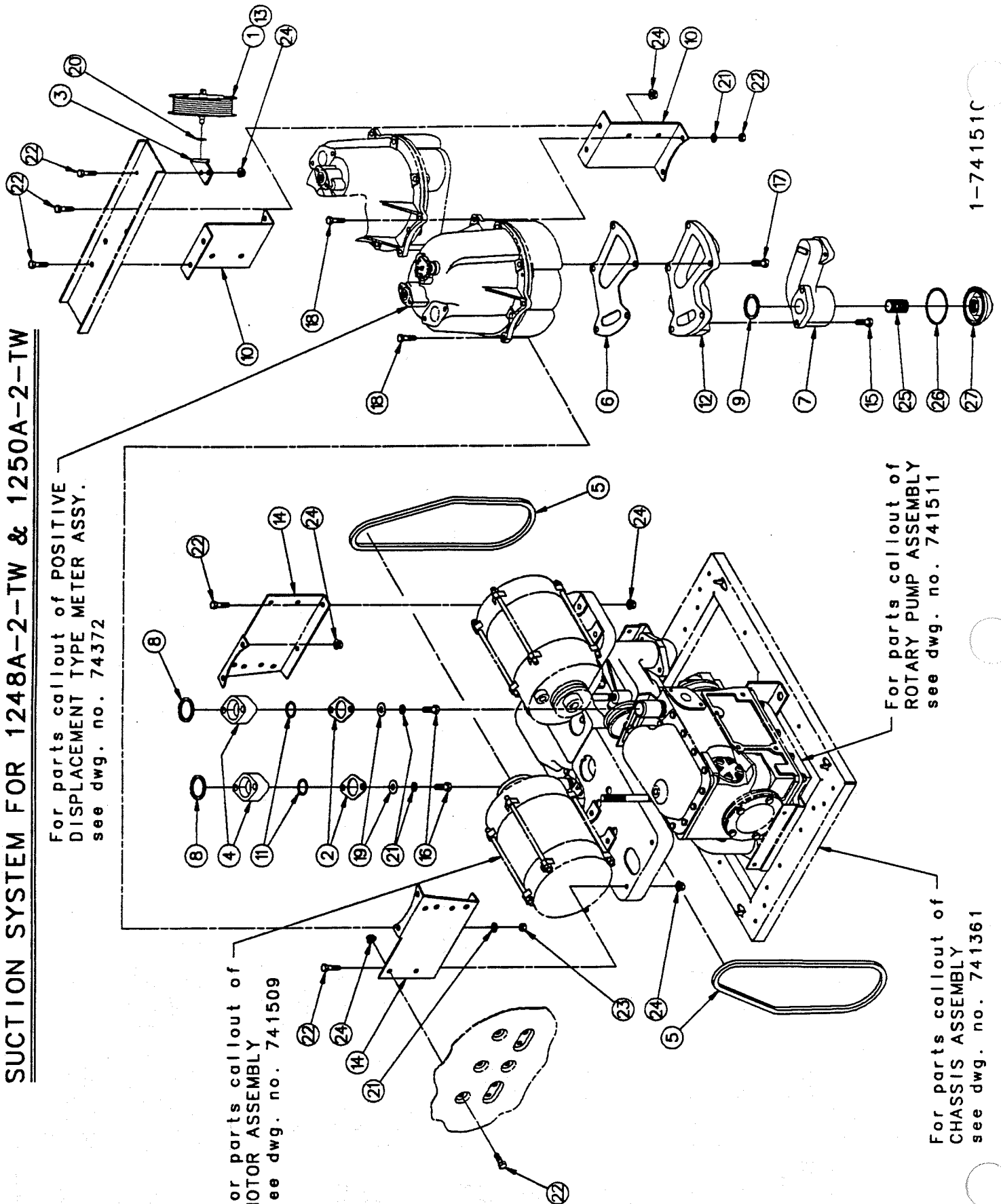
SUCTION SYSTEM FOR 1248A-2-TW & 1250A-2-TW

For parts callout of POSITIVE
DISPLACEMENT TYPE METER ASSY.
see dwg. no. 74372

For parts callout of
MOTOR ASSEMBLY
see dwg. no. 741509

For parts callout of
ROTARY PUMP ASSEMBLY
see dwg. no. 741511

For parts callout of
CHASSIS ASSEMBLY
see dwg. no. 741361



1-741511C