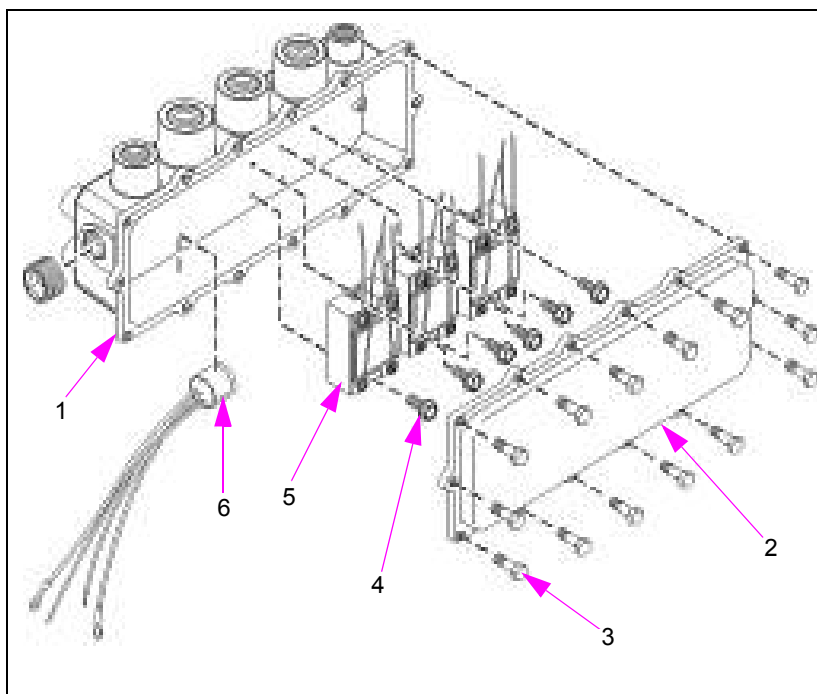


10 – Junction Box and Conduit Section

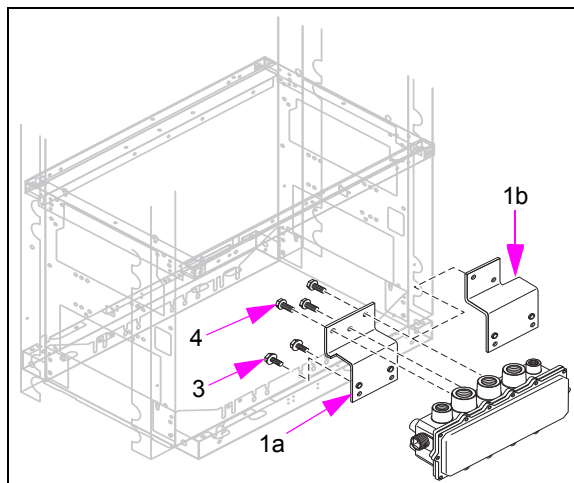
Junction Box [J-box (All Grades)]



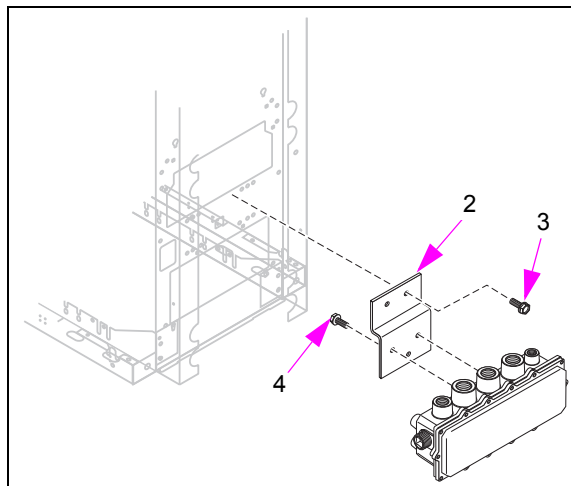
Item #	Part Description	Current Part	Previous Part	Quantity
1	J-box (all grades)	W02948-12	W02948-G12 W02948-G11 W02948-G10 W02730-G10	1
2	J-box cover	W02814-10	-	1
3	Bolt, #1/4-20 X 3/4"	K43625	-	14
4	Screw, #8-32 X 3/8"	K85736-06	-	(see note 1)
5	Solid State Relay (single phase solid state only; AC input) (see note 2)	Q11008-04	-	(see note 1)
6	Varistor			
6a	• 110/115/120 VAC	T17448-G1	-	1
6b	• 220/230/240 VAC	T17448-G3	T17448-G2	1
Notes: 1. Quantity varies with model. 2. Self contained pumps use relays located in the J-box for pump motor control. 3. All parts may not be available as spare parts.				

J-box Brackets

J-box Brackets (All except Four-grade Pump)

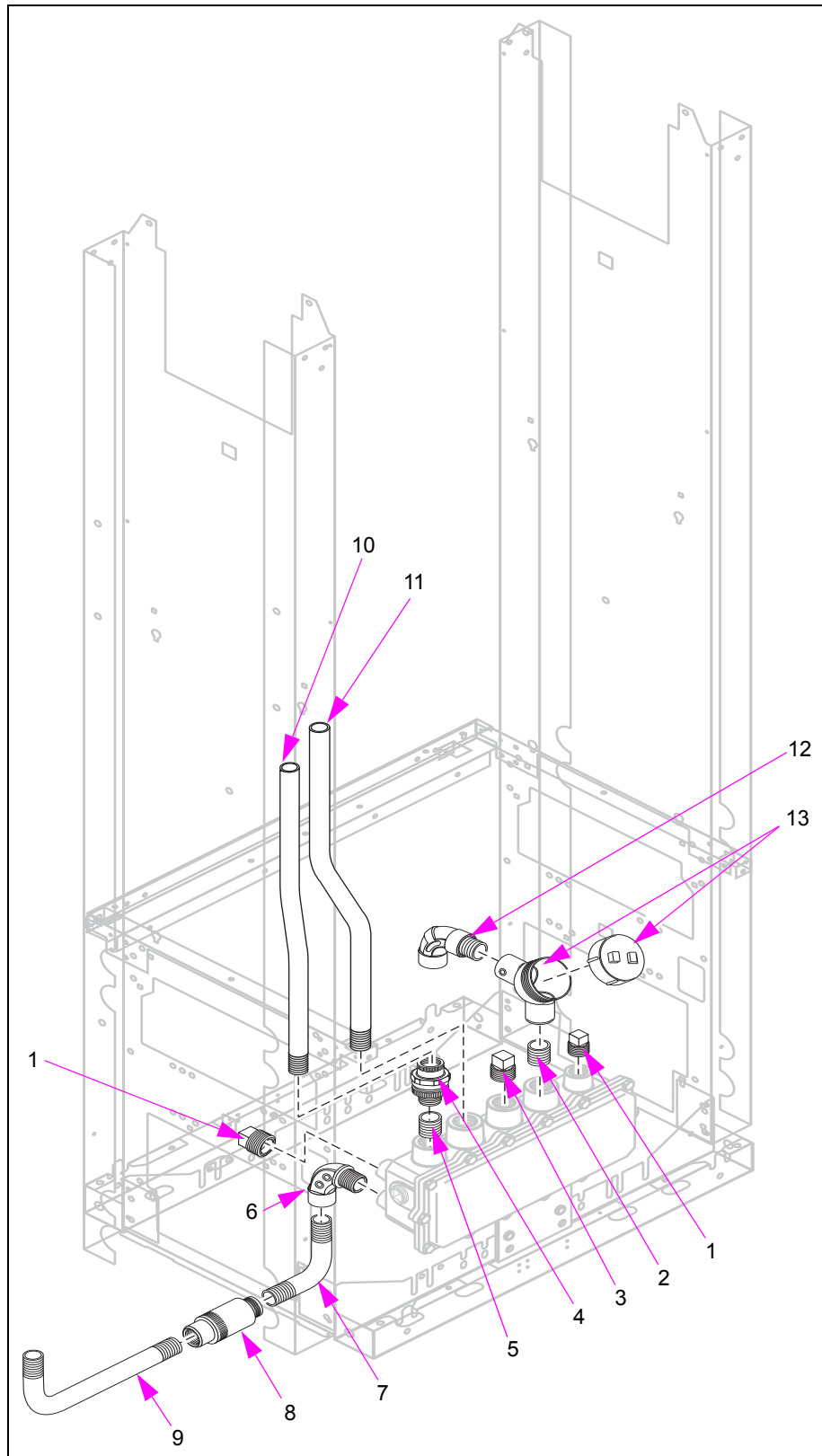


J-box Brackets (Four-grade Pump Only)



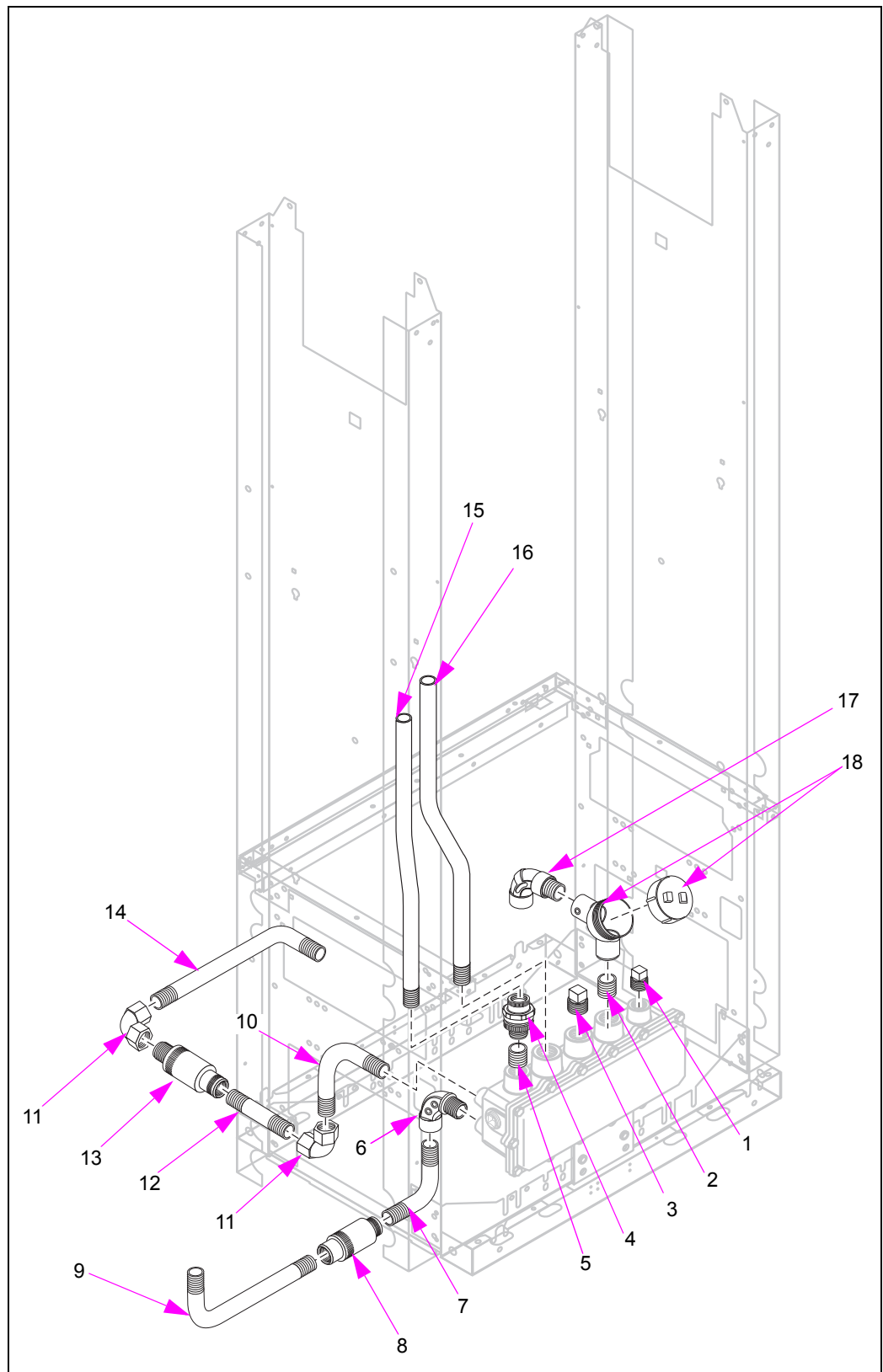
Item #	Part Description	Current Part	Previous Part	Quantity
1	Mounting Bracket			
1a	• Dispensers	T18160-02	T18160-01	1
1b	• Pumps (except 4-grade pump)	R19718	-	1
2	J-box Bracket (4-grade pump)	R20612-01	-	1
3	Screw, #5/16-18 X 3/4"	K85736-43	-	2
4	Screw, #5/16-18 X 1/2"	Q11889-12	-	3
Not Shown				
-	J-box Brackets			

Conduit - 36-inch Single-grade Pump



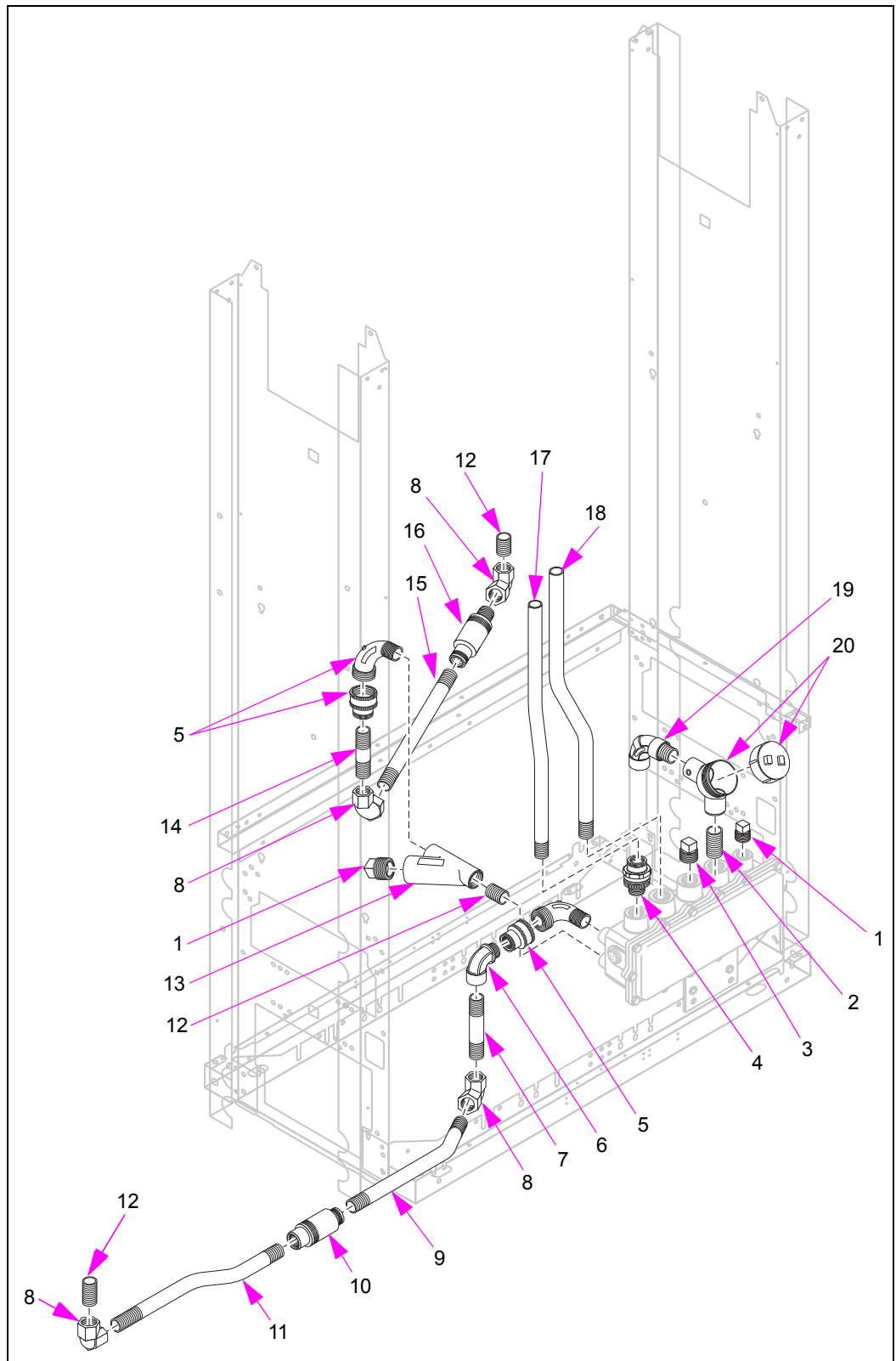
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	1
2	Nipple, Conduit, 1 X 3/4"	R11978-03	R11978-01	1
3	Pipe Plug, 1"	K02283	-	1
4	Union, Conduit, 1/2"	Q10016-04	-	1
5	Reducer, Conduit, 3/4"	K49827	-	1
6	Elbow, Conduit, 1/2" X 90° (M X F)	K42448	-	1
7	Motor Conduit (product 1)	R12579-126	-	1
8	Expansion Union	N16289-21	-	1
9	Motor Conduit (product 1)	R12579-124	-	1
10	Conduit and Wire Assembly (3-phase pumps only) (obsolete, see note 1) (see note 2)	R19483-G7 R19483-G9	R19483-G2	1
11	Conduit and Cable Assembly (Spare Parts Item) – Narrow Frame	W03583-G2	W03583-G1 T18474-G9	1
12	Elbow, Conduit, 1" X 90° (M X F)	Q11643	-	1
13	Elbow, Capped Y, 1"	Q12730-01	-	1
Note: 1. R19483-G2 is obsolete with no replacement. 2. R19483-G7 is a spare parts item.				

Conduit - 36-inch Two-grade Pump



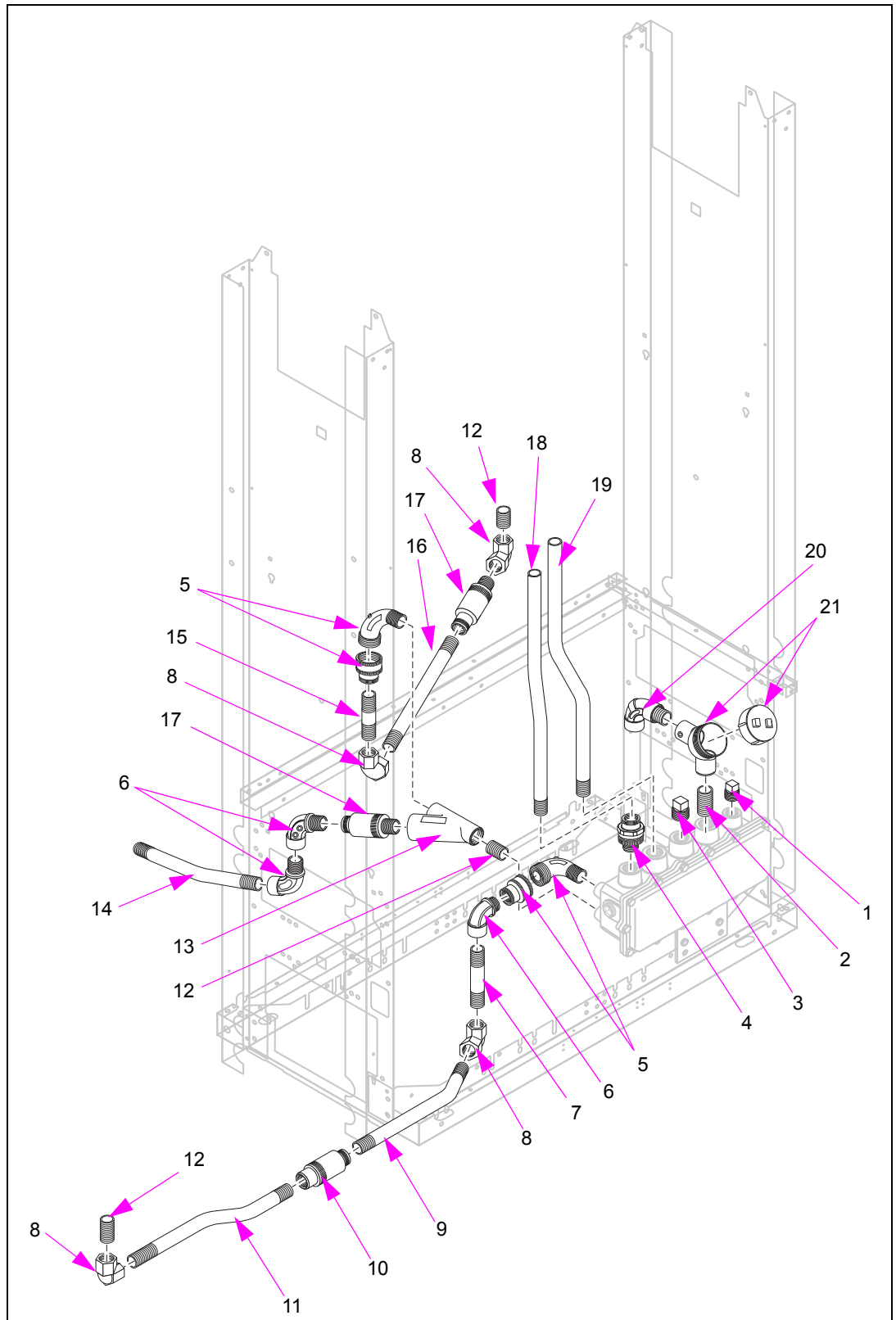
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	2
2	Nipple, Conduit, 1 X 3/4"	R11978-03	R11978-01	1
3	Pipe Plug, 1"	K02283	-	1
4	Union, Conduit, 1/2"	Q10016-04	-	1
5	Reducer Conduit, 3/4"	K49827	-	1
6	Elbow Conduit, 1/2" X 90° (M X F)	K42448	-	1
7	Motor Conduit (Product 1)	R12579-126	-	1
8	Expansion Union, 1/2" (F X F)	N16289-21	-	1
9	Motor Conduit (Product 1)	R12579-124	-	1
10	Motor Conduit (Product 2)	R12579-127	-	2
11	Elbow, Conduit, 1/2" X 90° (F X F)	K42428	-	1
12	Nipple Conduit, 1/2" X 3"	K88207-02	-	1
13	Expansion Union, 1/2" (M X F)	N16289-20	-	1
14	Motor Conduit (Product 2)	R12579-125	-	1
15	Conduit and Wire Assembly [3-phase Pumps Only (Spare Parts Item)]	R19483-G8	R19483-G5 R19483-G4	1
16	Conduit and Wire Assembly (Spare Parts Item)	W03583-G2	W03583-G1 T18474-G9	1
17	Elbow, Conduit, 1" X 90° (M X F)	Q11643	-	1
18	Elbow, Capped Y, 1"	Q12730-01	-	1

Conduit - 48-inch Two-grade Pump



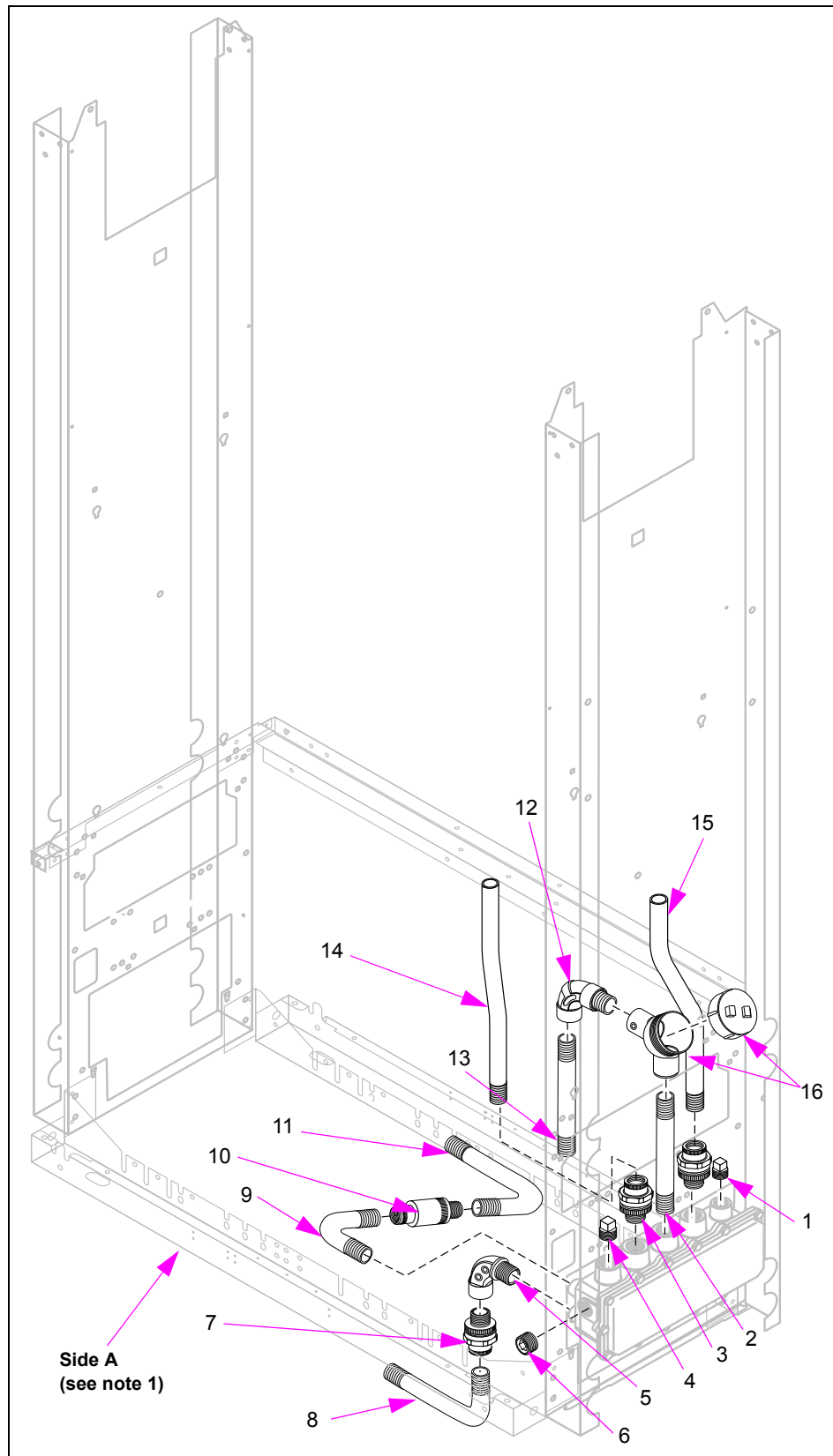
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	1
2	Nipple Conduit, 1 X 1-3/4"	R11978-03	R11978-01	1
3	Pipe Plug, 1"	K02283	-	1
4	Union Conduit, 3/4" (M X F)	Q10016-05	-	1
5	Elbow, Union, 1/2" X 90° (M X F)	K92364	Q10017-02	1
6	Elbow Conduit, 1/2" X 90° (M X F)	K42448	-	1
7	Nipple Conduit, 1/2 X 3-1/2"	R11976-54	K07024	1
8	Elbow Conduit, 1/2" X 90° (F X F)	K42428	-	4
9	Motor Conduit (Product 1)	R19732	-	1
10	Expansion Union, 1/2" (F X F)	N16289-21	-	1
11	Motor Conduit (Product 1)	T18537	-	1
12	Nipple Conduit, 1/2 X 1-1/4"	R11976-57	K10842	3
13	Y Fitting, 45°, 1/2 X 1/2 X 3/4" (F X F X F)	Q10101-01	-	1
14	Motor Conduit (Product 2)	R11976-42	-	1
15	Motor Conduit (Product 2)	R11976-72	-	1
16	Expansion Union, 1/2" (M X F)	N16289-20	-	1
17	Conduit and Wire Assembly [3-phase Pumps Only (Spare Parts Item)]	R19483-G10	R19483-G6 R19483-G3	1
18	Conduit and Wire Assembly (Spare Parts Item)	W03534-G2	W03534-G1 T18474-G8	1
19	Elbow Conduit, 1" X 90° (M X F)	Q11643	-	1
20	Elbow, Capped Y, 1/2" X 90° (M X F)	Q12730-01	-	1

Conduit - 48-inch Three-grade Pump



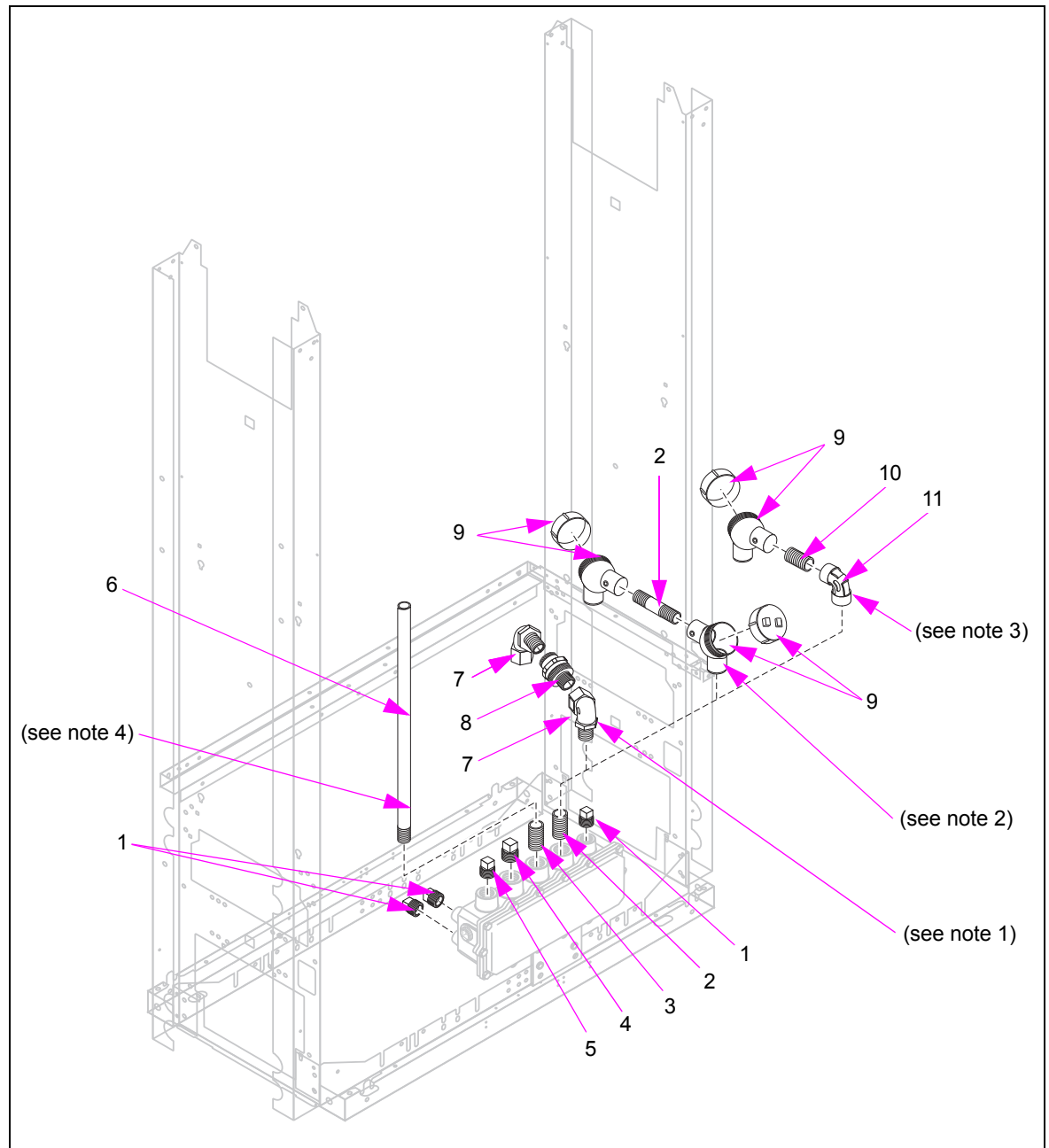
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	1
2	Nipple Conduit, 1 X 1-3/4"	R11978-03	R11978-01	1
3	Pipe Plug, 1"	K02283	-	1
4	Union, Conduit, 3/4" (M X F)	Q10016-05	-	1
5	Elbow, Union, 1/2" X 90° (M X F)	K92364	Q10017-02	1
6	Elbow, Conduit, 1/2" X 90° (M X F)	K42448	-	3
7	Nipple, Conduit, 1/2 X 3-1/2"	R11976-54	K07024	1
8	Elbow, Conduit, 1/2" X 90° (F X F)	K42428	-	4
9	Conduit, Motor (Product 1), 1/2" Aluminum	R19732	-	1
10	Expansion Union, 1/2" (F X F)	N16289-21	-	1
11	Motor Conduit (Product 1), 1/2" Aluminum	T18537	-	1
12	Nipple, Conduit, 1/2 X 1-1/4"	R11976-40	K10842	3
13	Y Fitting, 45°, 1/2 X 1/2 X 3/4" (F X F X F)	Q10101-01	-	1
14	Conduit, Motor, Product 2, 1/2", Aluminum	R19731	-	1
15	Nipple, Conduit, 1/2 X 1-1/2"	R11976-42	K09228	1
16	Nipple, Conduit, 1/2 X 9"	R11976-72	K04128	1
17	Expansion Union, 1/2" (M X F)	N16289-20	-	2
18	Conduit and Wire Assembly [3-phase Pumps only (Spare Parts Item)]	R19483-G10	R19483-G6 R19483-G3	1
19	Conduit and Wire Assembly, 1" (Spare Parts Item)	W03534-G2	W03534-G1 T18474-G8	1
20	Elbow, Conduit, 1" X 90° (M X F)	Q11643	-	1
21	Elbow, Capped Y, 1/2" X 90° (M X F)	Q12730-01	-	1

Conduit - 48-inch Four-grade Pump



Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	1
2	Conduit, 1 X 7-1/4"	R11978-09	-	1
3	Union Conduit, 1"	Q10016-03	-	2
4	Pipe Plug, 3/4"	K02282	-	1
5	Pipe Plug, 3/4 Countersunk	K57624	-	1
6	Elbow Conduit, 1/2" X 90° (M X F)	K42448	-	1
7	Union Conduit, 1/2"	Q10016-04	-	1
8	Conduit 1/2" X 90°	R12579-134	-	1
9	Conduit, 1/2" X 90° (M X F)	R12579-128	-	1
10	Expansion Union, 1/2" (F X F)	N16289-21	-	1
11	Conduit, 1/2" X 90°	R12579-135	-	1
12	Elbow Conduit, 1" X 90° (M X F)	Q11643	-	1
13	Conduit, 1 X 5-1/2"	R11978-04	-	1
14	Conduit and Wire Assembly, 1"	W03836-G2	-	1
15	Conduit and Wire Assembly, 1"	W03520-G5	-	1
16	Elbow, Capped, 1"	Q12730-01	-	1
Notes: 1. Side A is determined by location of the J-box. As you face a 4-grade pump unit, the J-box will be on your right side. 2. All parts may not be available as spare parts.				

Conduit - 48-inch One-, Two-, and Three-grade Dispensers and All Blenders



Notes: 1) Used on all dispensers until 07/30/91. Currently used on MPD 4-grade and blender six-hose.

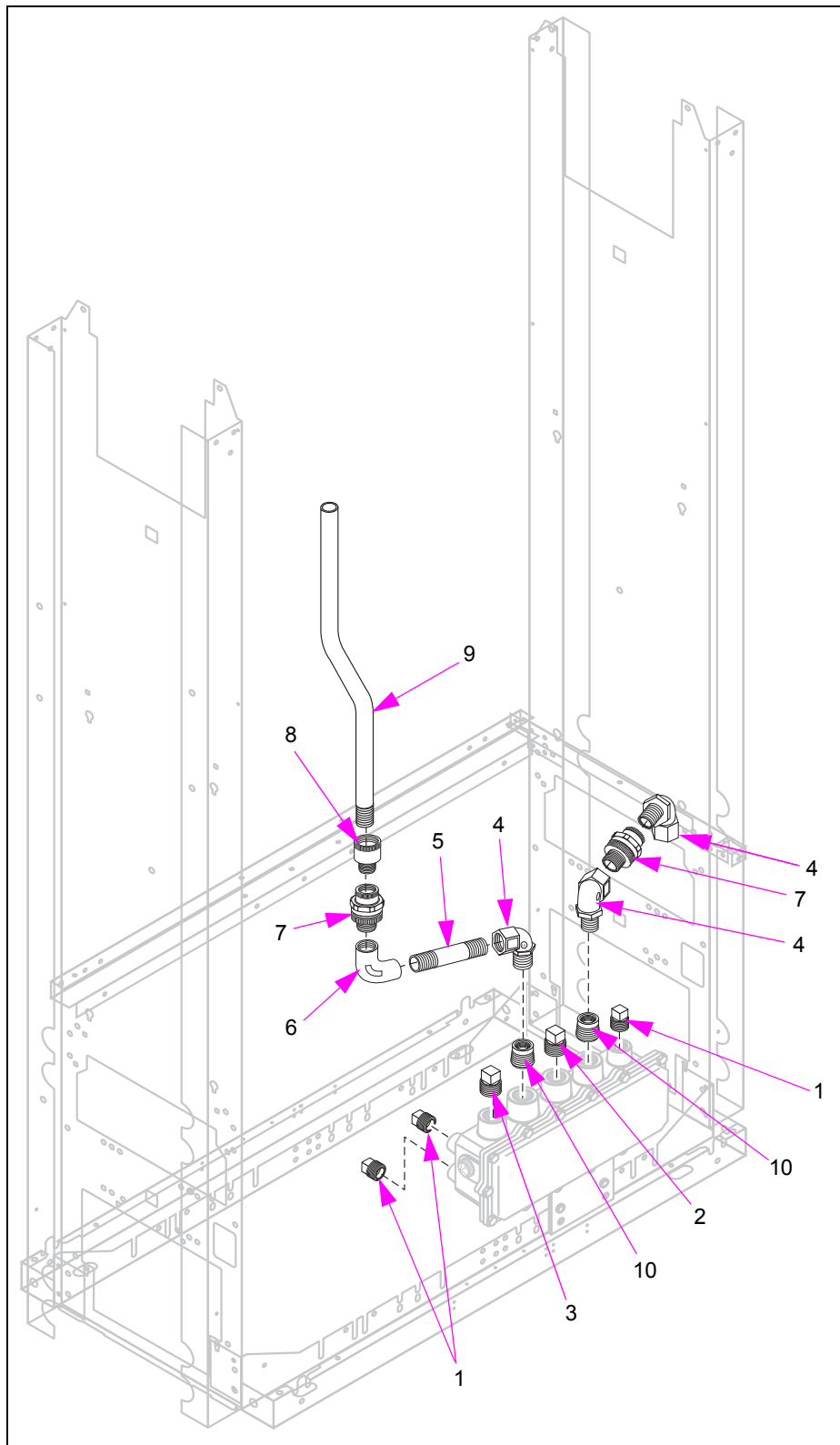
2) Used on all dispensers (except MPD 4-grade and blender 6-hose) from 07/31/91 to 08/31/92.

3) Used on all dispensers (except MPD 4-grade and blender 6-hose) since 09/01/92.

4) Conduit and Wire Assembly (item 6) threads straight into J-box.

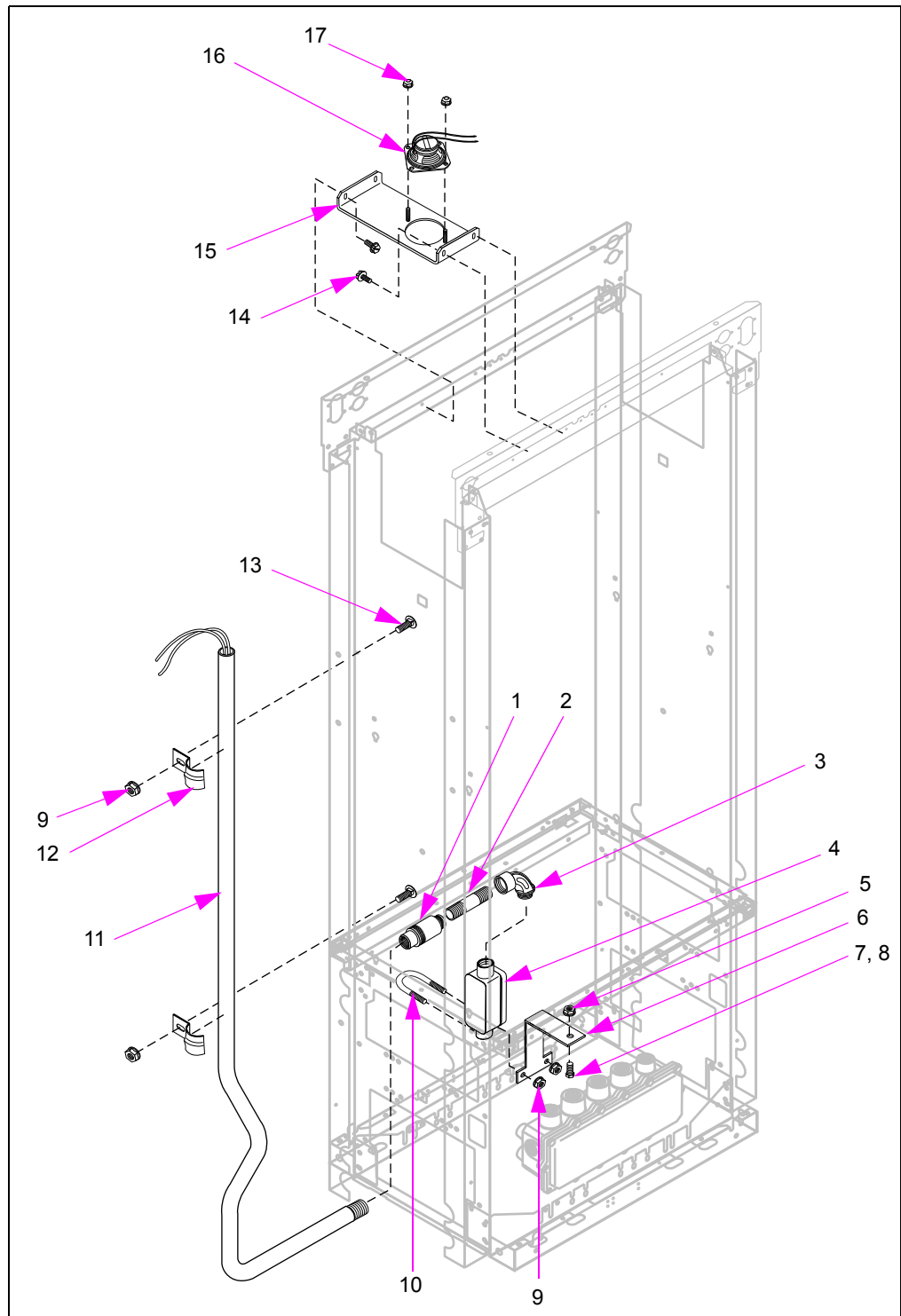
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	3
2	Nipple Conduit, 1 X 1-3/4"	R11978-03	-	2
3	Reducer, Conduit, 1" X 3/4 (used with W03580-G1; see Item 7 below)	K49827-21	-	1
4	Pipe Plug, 1"	K02283	-	1
5	Pipe Plug, 3/4"	K02282	-	1
6	Conduit and Wire Assembly (selectable blenders), 1"	W03520-G2 W03520-G3 W03520-G4 (Wires only)	T18474-G7 (3/4")	1
7	Elbow, 3/4" X 90° (M X F)	K80453	-	1
8	Union, Conduit, 3/4" (M X F)	Q10016-05	-	1
9	Elbow, 1 X 90° (F)	K87869	-	1
10	Nipple Conduit, 1 X 3/4"	R11978-03	-	1
11	Elbow, Capped, Y-type	Q12730-01	-	(see note 1)
Not Shown				
-	Conduit and Wire Assembly (fixed blenders), 1" (Spare Parts Item)	W03580-G1	-	1
Notes: 1. Quantity varies with model. 2. All parts may not be available as spare parts.				

Conduit - 48-inch Four-grade Dispenser



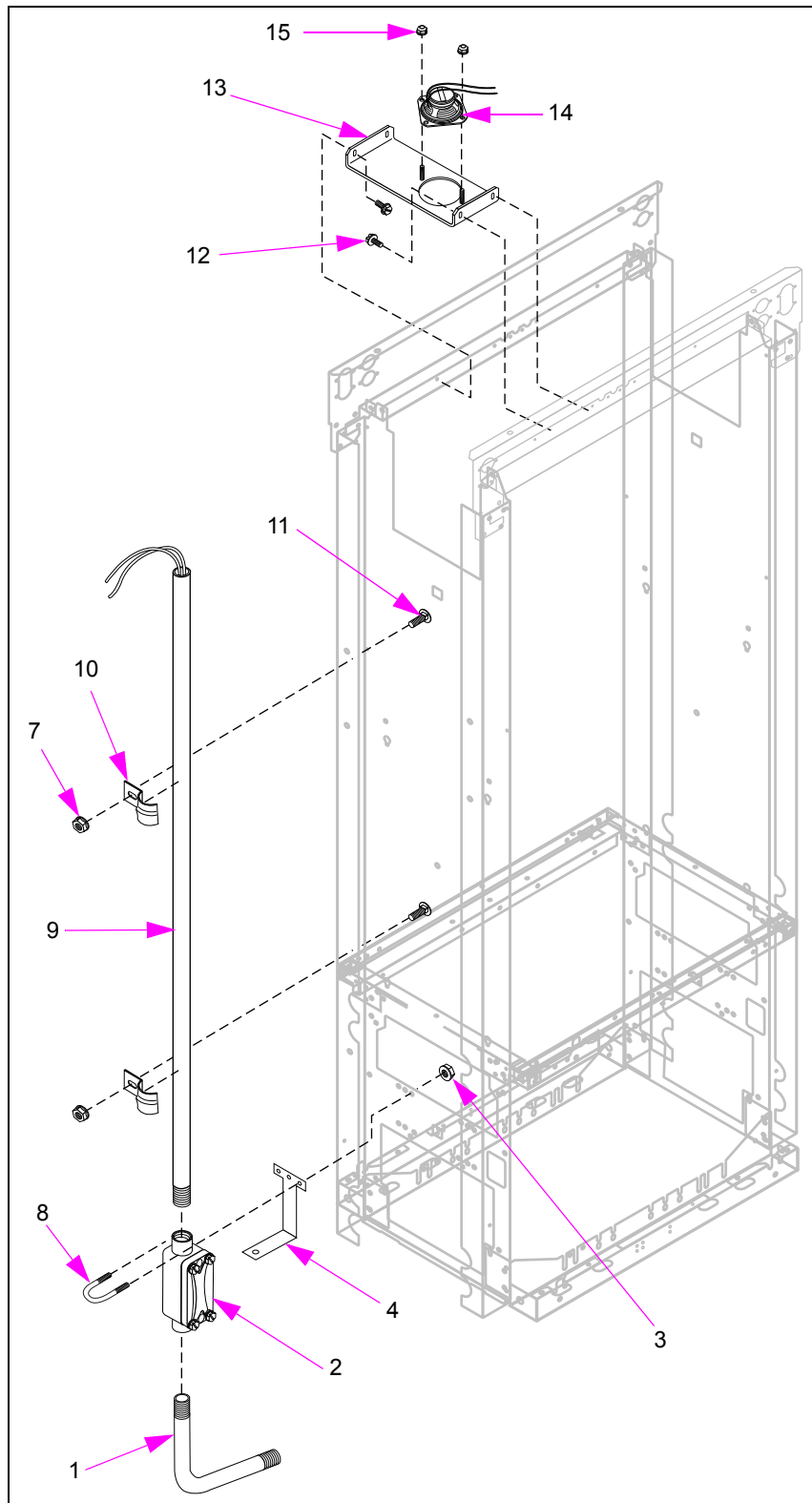
Item #	Part Description	Current Part	Previous Part	Quantity
1	Pipe Plug, 1/2"	K02281	-	3
2	Pipe Plug, 1"	K02283	-	1
3	Pipe Plug, 3/4"	K02282	-	1
4	Elbow, Conduit, 3/4" X 90° (M X F)	K80453	-	3
5	Nipple Conduit, 3/4 X 3-3/8"	R11977-15	-	1
6	Elbow, Conduit, 3/4" X 90° (F X F)	Q11753-01	-	1
7	Union, Conduit 3/4" (M X F)	Q10016-05	-	2
8	Enlarger, Conduit, 3/4" to 1"	K81090-21	-	1
9	Assembly, 1" Conduit and Cable (Spare Parts Item)	W03584-G1	-	1
10	Reducer, 1 X 3/4"	K49827-21	-	1

Speaker Conduit - Pumps



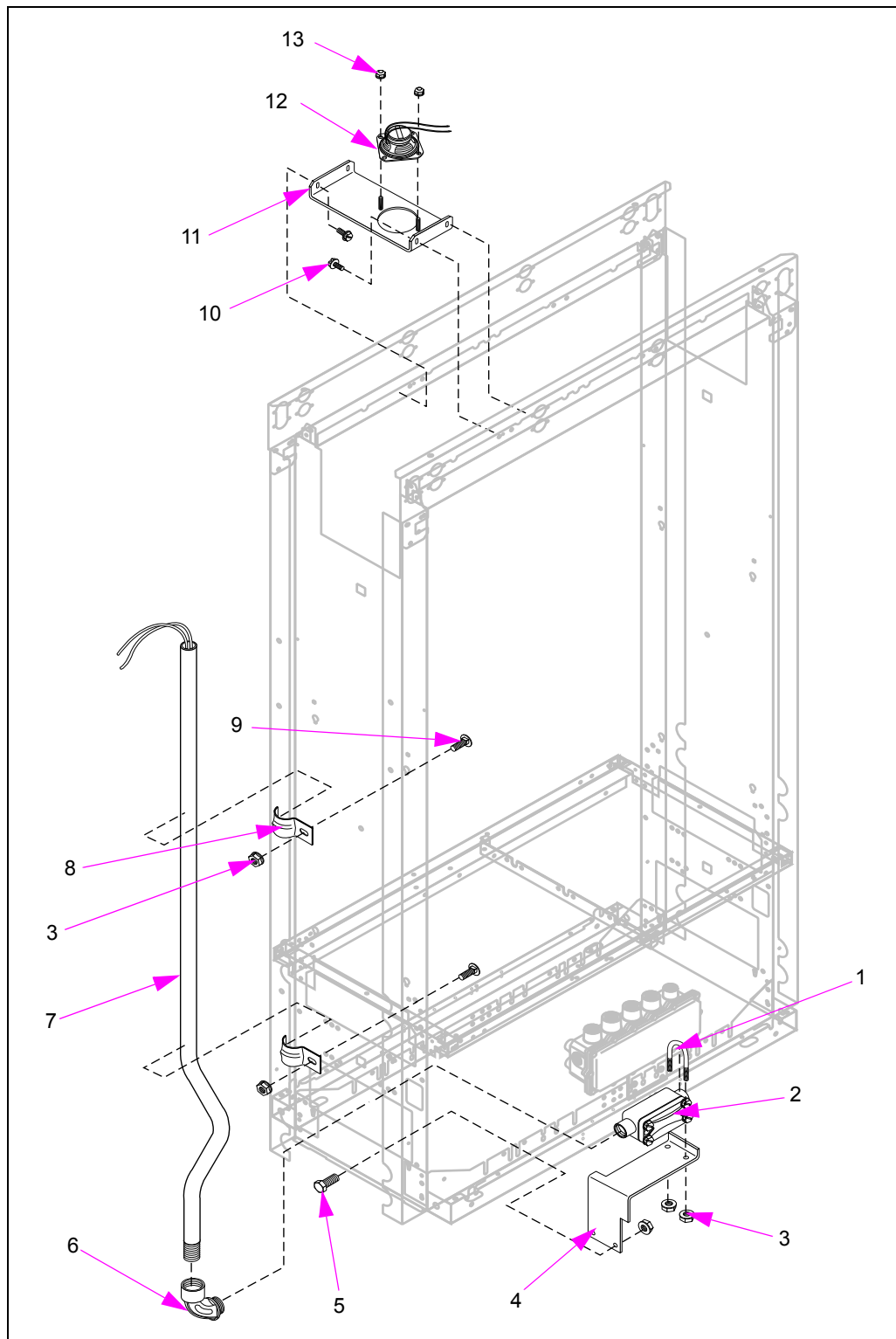
Item #	Part Description	Current Part	Previous Part	Quantity
1	Expansion Union (F X F)	N16289-21	-	1
2	Nipple Conduit			
	• 1/2 X 5-1/4" (48" frame)	R11976-62	K21156	1
	• 1/2 X 3-1/4" (36" frame)	R11976-52	K22152	1
3	Elbow Conduit, 1/2" X 90° (M X F)	K42448	-	1
4	Power Unilet Box	K72943	-	1
5	Nut, 5/16-18	Q11890-05	-	1
6	Mounting Bracket (see note 1)	T18721-01	R19306	1
7	Washer, 5/16	K42999	-	1
8	Bolt, 5/16-18 X 3/4"	Q10624-01	-	1
9	Nut, 1/4-20	Q11890-04	-	4
10	U-bolt, 1/4-20	K67996-02	-	1
11	Conduit and Wire Assembly (obsolete, see note 2)	-	T18720-G1 T17859-G1	1
12	Tubing Clamp	K90912	-	2
13	Bolt, 1/4-20 X 3/4"	K43625	-	2
14	Screw, #10-32 X 1/2"	K85736-15	-	4
15	Speaker Mounting Bracket	T18836-G1	T18771-G1	1
16	Speaker (without cover)	R19385-G2	R19385-G1	1
17	Locknut, #8-32	Q10099-01	-	2
Not Shown				
-	Pump speaker and conduit kit (obsolete, see note 3)	-	K93846	1
Notes: 1. Previous parts were used on pumps built before 09/92. Current parts are used on pumps built after 09/92. These parts cannot replace each other. 2. T18720-G1 is obsolete and no replacement. 3. No replacement. 4. All parts may not be available as spare parts.				

Speaker Conduit - Four-grade Pump



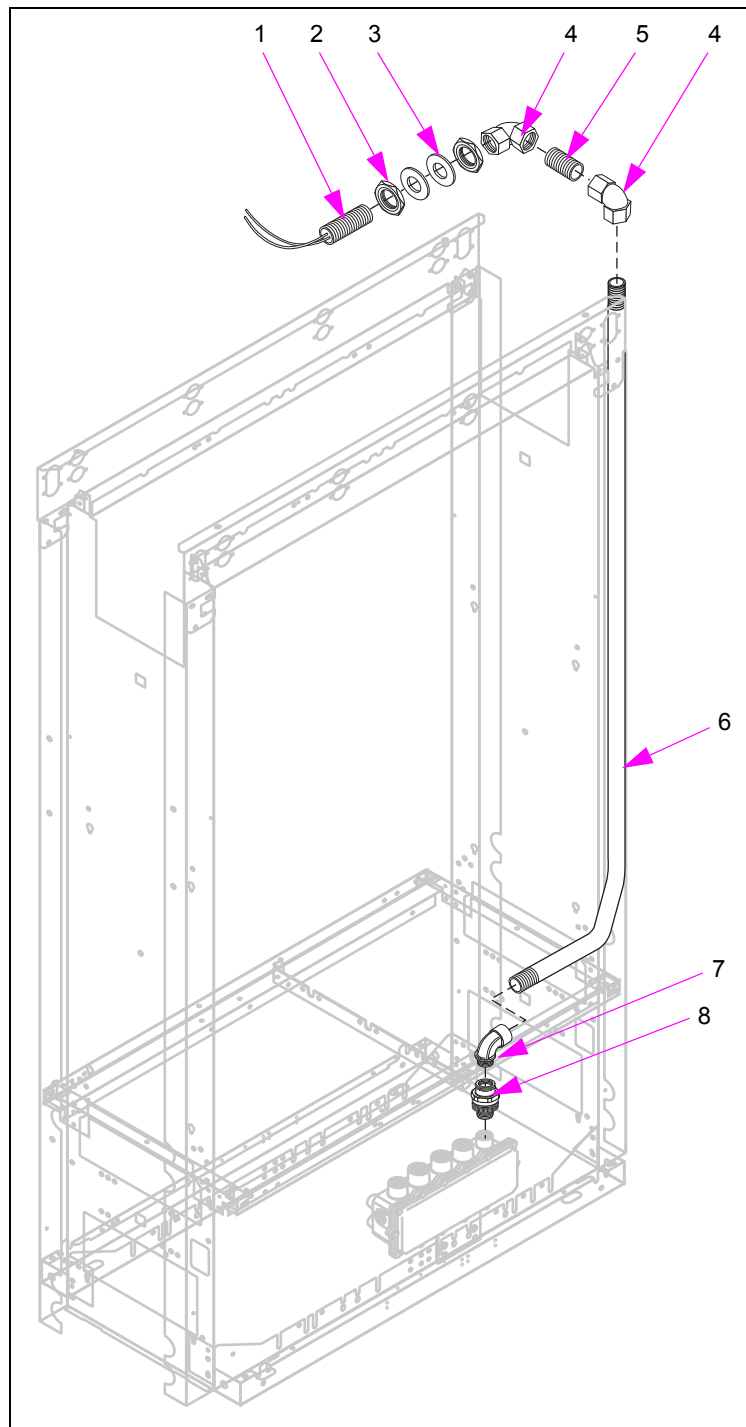
Item #	Part Description	Current Part	Previous Part	Quantity
1	Vapor Pump to J-box Conduit	R20461-01	-	1
2	Power Unilet Box	K72943	-	1
3	Nut, 5/16"-18	Q11890-05	-	2
4	Mounting Bracket	T18721-01	-	1
5	Washer, 5/16"	K42999	-	1
6	Bolt, 5/16-18 X 3/4"	Q10624-01	-	1
7	Nut, 1/4"-20	Q11890-04	-	2
8	U-bolt, 1/4"-20	K67996-02	-	1
9	Conduit and Wire Assembly (obsolete, see note)	-	T18720-G2	1
10	Tubing Clamp	K90912	-	2
11	Bolt, 1/4-20 X 3/4"	K02394-34	-	2
12	Screw, #10-32 X 1/2"	K85736-15	-	4
13	Speaker Mounting Bracket	T18836-G1	-	1
14	Speaker (without cover)	R17347-01	-	1
15	Locknut, #8-32	Q10099-01	-	2
<i>Note: No replacement.</i>				

Speaker Conduit - Dispensers



Item #	Part Description	Current Part	Previous Part	Quantity
1	U-bolt	K67996-02	-	1
2	Power Unilet Box	K72943	-	1
3	Nut, 1/4"-20	Q11890-04	-	2
4	Power Unilet Box Mounting Bracket	T17873	-	1
5	Hexagonal-head Bolt, 1-4-20 X 3/4"	K43625	-	2
6	Elbow, 1/2" X 90° (M X F)	K42448	-	1
7	Conduit and Wire Assembly	R19385-G2	R19385-G1	1
8	Tubing Clamp	K90912	-	2
9	Carriage bolt, 1/4-20 X 3/4"	K02394-34	-	2
10	Screw, #10-32 X 1/2"	K85736-15	-	4
11	Speaker Mounting Bracket	T18836-G1	T18771-G1	1
12	Speaker (without cover)	R19385-G2	R19385-G1	1
13	Locknut, #8-32	Q10099-01	-	2
Not Shown				
-	Dispenser Speaker and Conduit Kit (includes all parts) (see note 1)	K35492	-	1
Notes: 1. For more information, refer to MDE-2633 Speaker Kits K35492 and K93846 For The Advantage Series. 2. All parts may not be available as spare parts.				

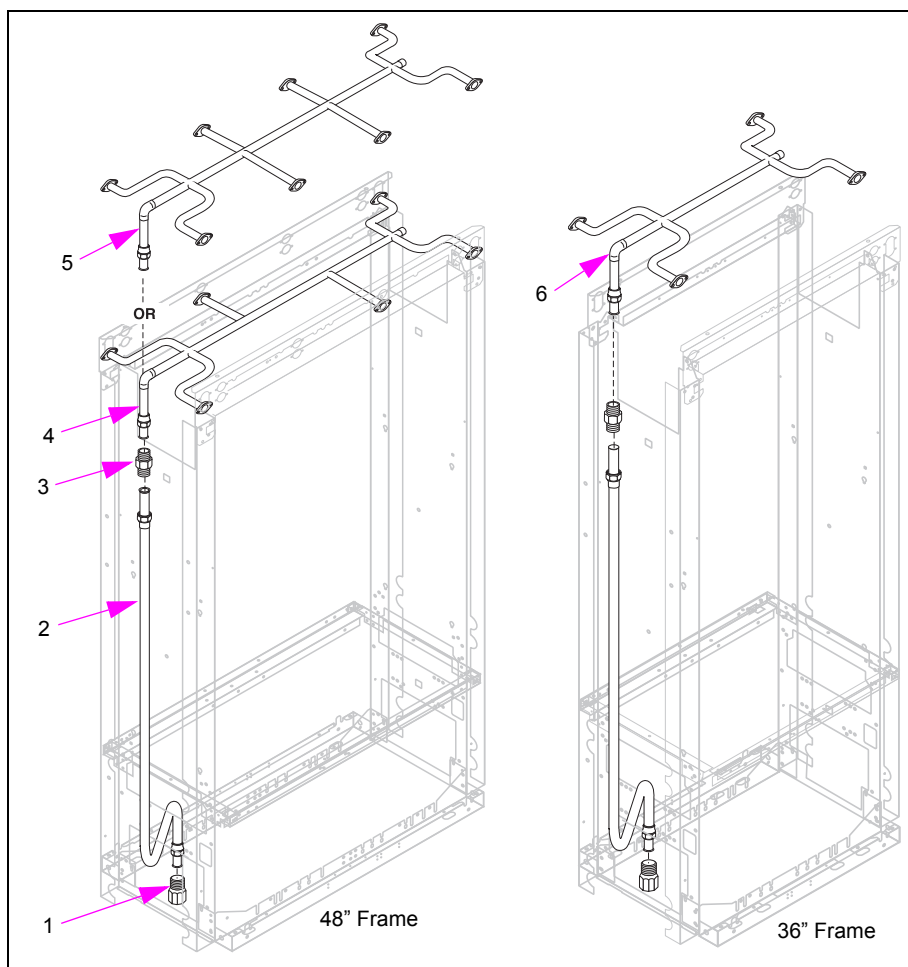
Light Conduit



Item #	Part Description	Current Part	Previous Part	Quantity
1	Nipple and Wire Assembly	R19101-G2	-	1
2	Conduit Nut, 1/2"	K89681	-	2
3	Conduit Flat Washer, 1/2"	N16599-59	-	2
4	Elbow, 1/2" X 90° (F X F)	K42428	-	2
5	Nipple, 1/2 X 1-1/8"	R11976-39	K18775	1
6	Light Conduit (see note 1)			
	• Dispensers (obsolete, see note 2)	-	R12579-116	1
	• Pumps (factory-installed) (obsolete, see note 2)	-	T18715	1
	• Pumps [Retrofit Kit (K93757)]	R12579-120	-	1
7	Elbow, 1/2" X 90° (M X F)	K42448	-	1
8	Expansion Union, (M X F)			
	• Pumps	N16289-20	-	1
	• Dispensers	Q10016-04	-	1
Not Shown				
-	Light Conduit Kit (see note 1) (includes all parts unless noted)			
	• Dispensers	K35497	-	1
	• Pumps	K93757	-	1
Notes: 1. Previous parts were used on pumps built before 09/92. Current parts are used on pumps built after 09/92. These parts cannot replace each other. 2. No replacement. 3. For more information, refer to MDE-2677 Kits K35497 and K93757 Lighted Canopy Conduit For The Advantage Series. Kit includes additional parts not shown in this assembly. 4. All parts may not be available as spare parts.				

11 – Discharge Piping Section

Balance System Vapor Piping



Item #	Part Description	Current Part	Previous Part	Quantity
1	Straight Fitting for Vapor Return Line	K93784-02	-	1
2	Lower Vapor Recovery Line			
	• Dispensers, Blenders	T18747-G1	-	1
	• Pumps (obsolete, see note 1)	-	T18241-G1	1
	• Vapor Recovery Retrofit Kits (K94275, K94276, and K94277)	W02888-G1	-	1
3	Coupling, 1"	K93489-02	-	1
4	Upper Vapor Recovery Line, 48"	W02987-G1	-	1