CATALOG OF REPLACEMENT PARTS



HFD, HFC, & HFO FRYERS

ML-114624	HFD40
ML-114625	HFD50
ML-114626	HFD225
ML-114627	HFD85
ML-114628	HFC40
ML-114629	HFC50
ML-114630	HFC225
ML-114631	HFC85
ML-114632	HFO15
ML-114633	HFO21

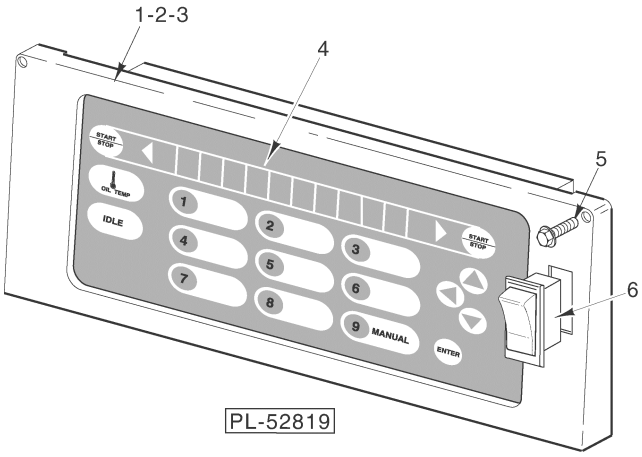
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FORM 33721 Rev. B (December 2019)

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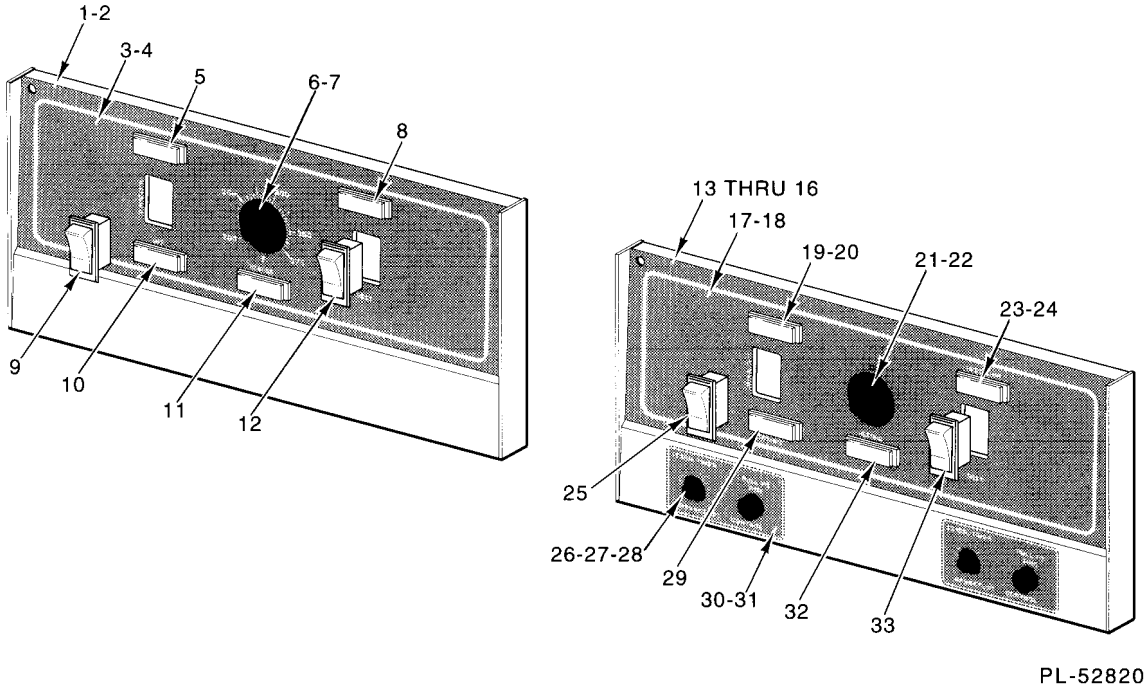
5 CONTROL PANEL (HFC SERIES)
7 CONTROL PANEL (HFD SERIES)
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15 POWER SUPPLY BOX
17 HEATING ELEMENT ASSEMBLY
19 BASKETLIFT COMPONENTS
21 OIL RETURN STAND ALONE
23 ACCESSORIES



CONTROL PANEL
(HFC SERIES)

CONTROL PANEL
(HFC SERIES)

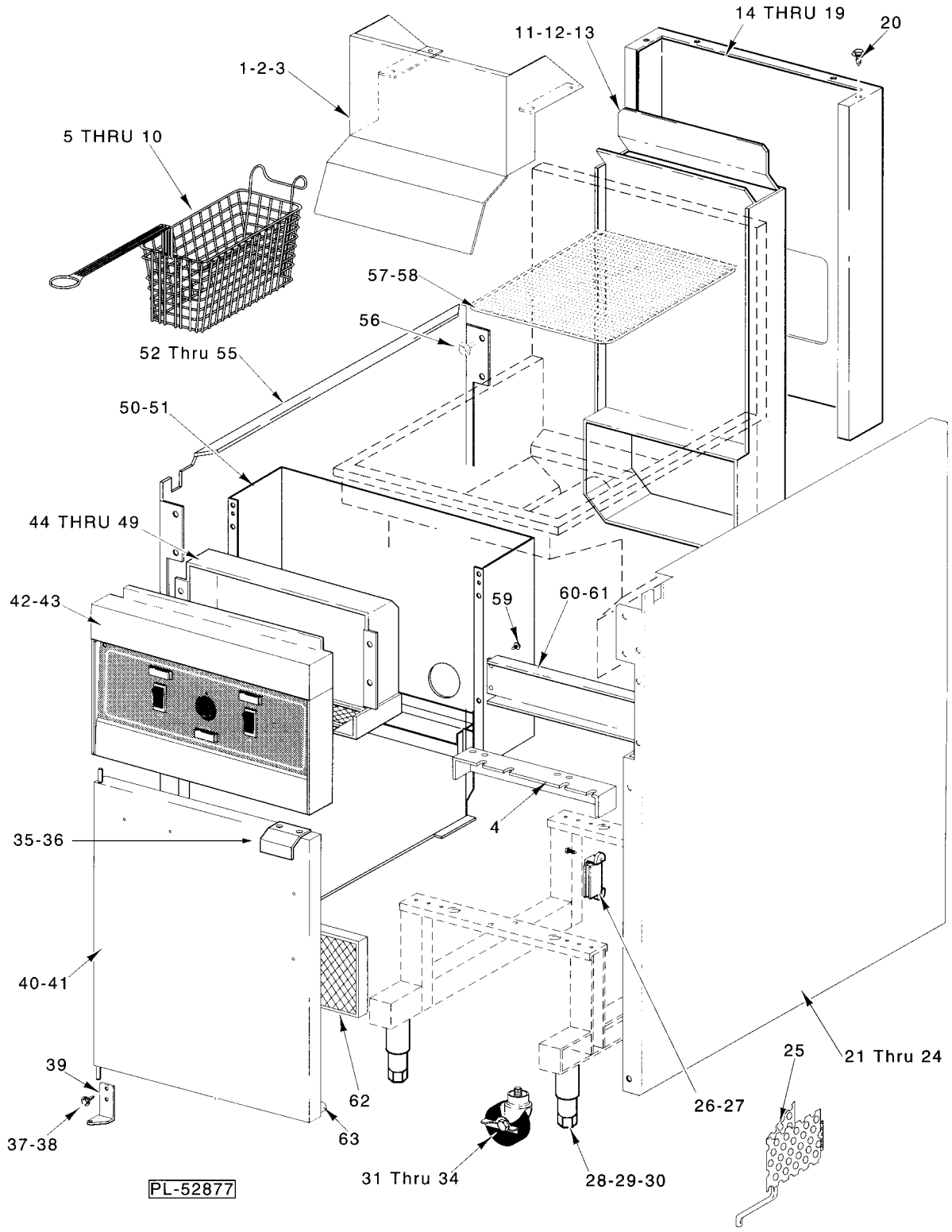
ILLUS. PL-52819	PART NO.	NAME OF PART	AMT.
1	419385-G1	Control Panel Frame (HFC40/50)	1
2	419386-G1	Control Panel Frame (HFC85)	1
3	419385-G2	Control Panel Frame (HFC225)	1
4	419557-2	Board & Panel Assy	1
5	NS-046-89	Nut Assy. 6-32 Hex "KEPS"	6
6	411496-B1	Switch - Rocker	1



CONTROL PANEL
(HFD SERIES)

CONTROL PANEL
(HFD SERIES)

ILLUS. PL-52820	PART NO.	NAME OF PART	AMT.
1	418396-G3	Control Panel (Complete)(HFD40/50)	1
2	418397-G3	Control Panel (Complete)(HFD85)	1
3	418387-2	Overlay - Control Panel (HFD40/50)	1
4	418388-2	Overlay - Control Panel (HFD85)	1
5	411496-E4	Light - Hot Top	1
6	414254-1	Knob - Thermostat	1
7	415638-G1	Potentiometer	1
8	411496-E7	Light - Indicator (Red)	1
9	411496-B1	Switch - Rocker	1
10	411496-E6	Light - Indicator (Trouble)	1
11	411496-E3	Indicator Light (Amber)	1
12	411496-B7	Switch - Rocker	1
13	418407-G5	Control Panel Assy. (Complete)(1 Basketlift) (HFD40/50)	1
14	418407-G6	Control Panel Assy. (Complete)(2 Basketlift) (HFD40/50)	1
15	418408-G5	Control Panel Assy. (Complete)(1 Basketlift) (HFD85)	1
16	418408-G6	Control Panel Assy. (Complete)(2 Basketlift) (HFD85)	1
17	418387-2	Overlay - Control Panel (HFD40/50)	1
18	418388-2	Overlay - Control Panel (HFID85)	1
19	411496-E3	Indicator Light (Amber)	1
20	411496-E7	Light - Indicator (Red)	1
21	414254-1	Knob - Thermostat	1
22	415638-G1	Potentiometer	1
23	411496-E7	Light - Indicator (Red)	1
24	411496-E4	Light - Hot Top	1
25	411496-B1	Switch - Rocker	1
26	415254-2	Timer - Basketlift (Solid State)	AR
27	415254-3	Timer (7 Min.)	1
28	415269-1	Knob - Basketlift Timer	1
29	411496-E6	Light - Indicator (Trouble)	1
30	415255-5	Overlay - Basketlift (7.5 Min.)	AR
31	415255-4	NLA - Obsolete--Label - Basket Lift (15 Minutes)	AR
32	411496-E3	Indicator Light (Amber)	1
33	411496-B1	Switch - Rocker	1
	415144-12	Board-Temperature	1


14 THRU 19
20
11-12-13
1-2-3
5 THRU 10
57-58
56
52 Thru 55
50-51
44 THRU 49
42-43
59
60-61
35-36
4
40-41
39
37-38
62
63
31 Thru 34
28-29-30
26-27
25
21 Thru 24
PL-52877

BODY UNIT

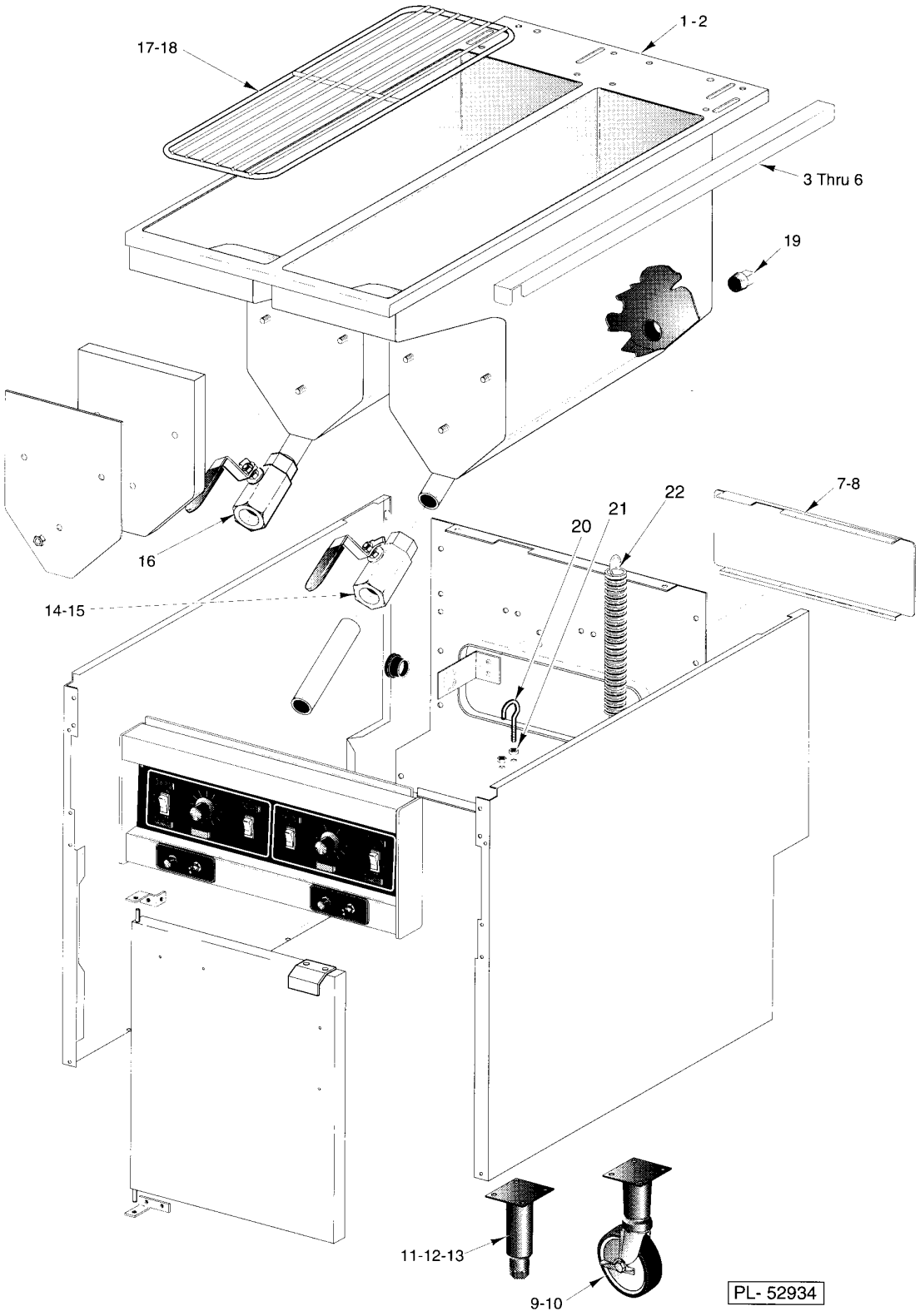
BODY UNIT

ILLUS. PL-52877	PART NO.	NAME OF PART	AMT.
1	421831-1	Hanger - Basket (HFC85/HFD85)	1
2	421912-G1	Hanger - Basket (HFC85/HFD85)	1
3	421911-G1	Hanger - Basket (HFC40/50/HFD40/50)	1
4	421897-1	Bracket - Power Supply Mounting	1
5	410737-9	Basket - Twin (Black Handle) (HFC40/50/225/HFD40/50/225)	AR
6	422868-2	Basket - Twin (HFC85/HFD85)	AR
7	422870-2	Basket - Triple (HFC85/HFD85)	AR
8	422914-2	Basket - Triple (Black Handle) (HFC40/50/HFD40/50)	AR
9	422869-1	Basket - Single (HFC85/HFD85)	AR
10	411378-2	Basket - Single (HFC40/50/HFD40/50)	AR
11	416994-G2	Flue Assy. (3 Tube)	1
12	418201-G1	Flue Box Assy. (4 Tube)	1
13	418205-G1	Flue Assy. (5 Tube)	1
14	422020-G1	NLA - Obsolete--Flue Wrap (Steel) (HFC40/50/225/HFD40/50/225)	1
15	422020-G2	NLA - Obsolete--Flue Wrap (SST) (HFC40/50/225/HFD40/50/225)	1
16	422020-G3	NLA - Obsolete--Flue Wrap (Steel)(HFC85/HFD85)	1
17	422020-G4	NLA - Obsolete--Flue Wrap (SST)(HFC85/HFD85)	1
18	422021-1	Wrap - Flue (PTD)(Use on units without Basketlifts)	1
19	422021-2	Wrap - Flue (SST) (HF015/HFC40/50/225/HFD40/50/225)	1
20	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
21	420596-2	Body - Side (PTD)(R.H.)	1
22	420596-4	Body - Side (SST)(R.H.)	1
23	419777-2	Body - Side (PTD)(R.H.)	1
24	419777-4	Body - Side (SST)(R.H.)	1
25	419871-1	Baffle	1
26	408834-1	Magnet - Door	1
27	SD-036-80	Self-Tapping Screw 8-32 x 3/8 Hex Washer Hd., Type TT	2
28	413112-7	Leg (6 1/4) (SST)	4
29	413112-9	Legs (6")(Stainless Steel)	4
30	413112-10	Base Plate - Leg	4
31	418906-1	Caster - Adjustable "Rigid"	2
32	418907-1	Caster - Adjustable "Swivel"	2
33	421893-2	Caster W/O Brake (4")	2
34	421893-1	Caster - Swivel W/Brake (4" Dia.)	2
35	419653	Handle	1
36	RS-033-02	Pop Rivet (.187)	4
37	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
38	NS-044-09	Nut Assy. 10-24 Hex KEPS	2
39	425219-1	Hinge - Lower Door	1
40	418327-G2	Door Assy	1
41	418327-G4	Door - Assy. (SST) (Give Model No. & Serial No.) (RC5, RD5 & RS5)	1
42	NS-047-79	Pal Nut 3/16	2
43	417700-3	Nameplate	4
44	416535-4	Relay S.P.D.T. 24 V. Coil (Elect. Ingnition) (Located on rear of panel)	1
45	415144-12	Board - Temperature (HFD Series)	1
46	422737-1	Probe - Thermistor (HFC85)	1
47	422737-2	Probe - Thermistor (HFC40/50/225)	1
48	414142-2	Probe - Thermistor (HFD Series)	1
49	414142-1	Probe - Thermistor (HFD Series)	AR
50	422838-G1	Heat Shield (HFC40/50/225/HFD40/50/225)	1
51	422838-G2	Heat Shield (HFC85/HFD85)	1
52	420596-1	Body - Side (PTD)(L.H.)	1
53	420596-3	Body - Side (SST)(L.H.)	1
54	419777-1	Body - Side (PTD)(L.H.)	1
55	419777-3	Body - Side (SST)(L.H.)	1

BODY UNIT

ILLUS. PL-52877	PART NO.	NAME OF PART	AMT.
56	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	8
57	420613-2	Screen - Drain (13 1/2")	1
58	420613-1	Screen - Drain (19.")	1
59	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	10
60	417014-1	Bracket - Rear Support (HFO15/HFC40/50/225/HFD40/50/225)	1
61	418320-1	Bracket - Rear Support (HFO21/HFC85/HFD85)	1
62	416969-1	Panel - Honeycomb (6 x 6)	1
63	420769-1	Bumper-Rubber	1

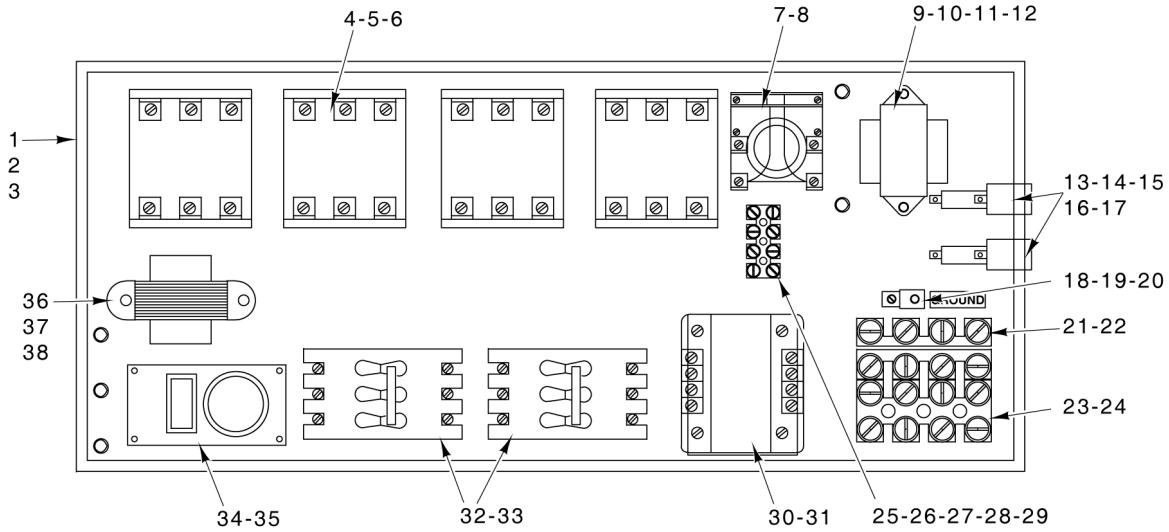
NOTES



PANELS & DOORS

PANELS & DOORS

ILLUS. PL-52934	PART NO.	NAME OF PART	AMT.
1	421844-G1	Tank Assy. (HFC50/HFD50)	1
2	421842-G1	Tank Assy. (HFC85/HFD85)	1
3	414460-1	NLA - Obsolete--Strip - Grease Protector (HFC40/50/225/HFD40/50/225)	1
4	414460-2	Strip - Grease Protector (Spec) (HFC85/HFD85)	1
5	414460-3	NLA - Obsolete--Strip - Grease Protector (Spec)(HFO15)	1
6	414460-4	Strip - Grease Protector (Spec)(HFO15)	1
7	414345-1	Door - Rear	1
8	414345-3	Door - Rear (PTD)	1
9	421893-2	Caster W/O Brake (4")	2
10	421893-1	Caster - Swivel W/Brake (4" Dia.)	2
11	413112-7	Leg (6 1/4) (SST)	4
12	413112-9	Legs (6")(Stainless Steel)	4
13	413112-10	Base Plate - Leg	4
14	414212-3	Valve - Ball (R.H.)(HFC225/HFD225)	1
15	414212-4	Valve - Ball (L.H.) (HFC40/50/225/HFD40/50/225)	1
16	414212-6	Valve - Ball 1 1/4 Bal(HFC85/HFD85)	1
17	414214-1	Wire Rack (HFC225/HFD225)	2
18	414214-2	Wire Rack (HFC40/50/HFD40/50)	1
19	FP-028-14	Plug - Pipe 1/2 Sq. Hd	AR
20	402570-3	Eye Bolt	AR
21	NS-046-50	Mach. Nut 6-32 Hex Stl	AR
22	406363-1	Spring-Door (Long)	AR



39	FE-002-45	Connector - Conduit	43	00-419315	Cord - Power
40	00-422356-00001	Stand - Contactor	44	00-419967-00005	Cord - Power Supply
41	00-421363-00003	Cord - Power	45	00-419557-00002	Board and Panel Assy.
42	00-419319	Cord - Power	46	00-415144-00011	Board - Temperature

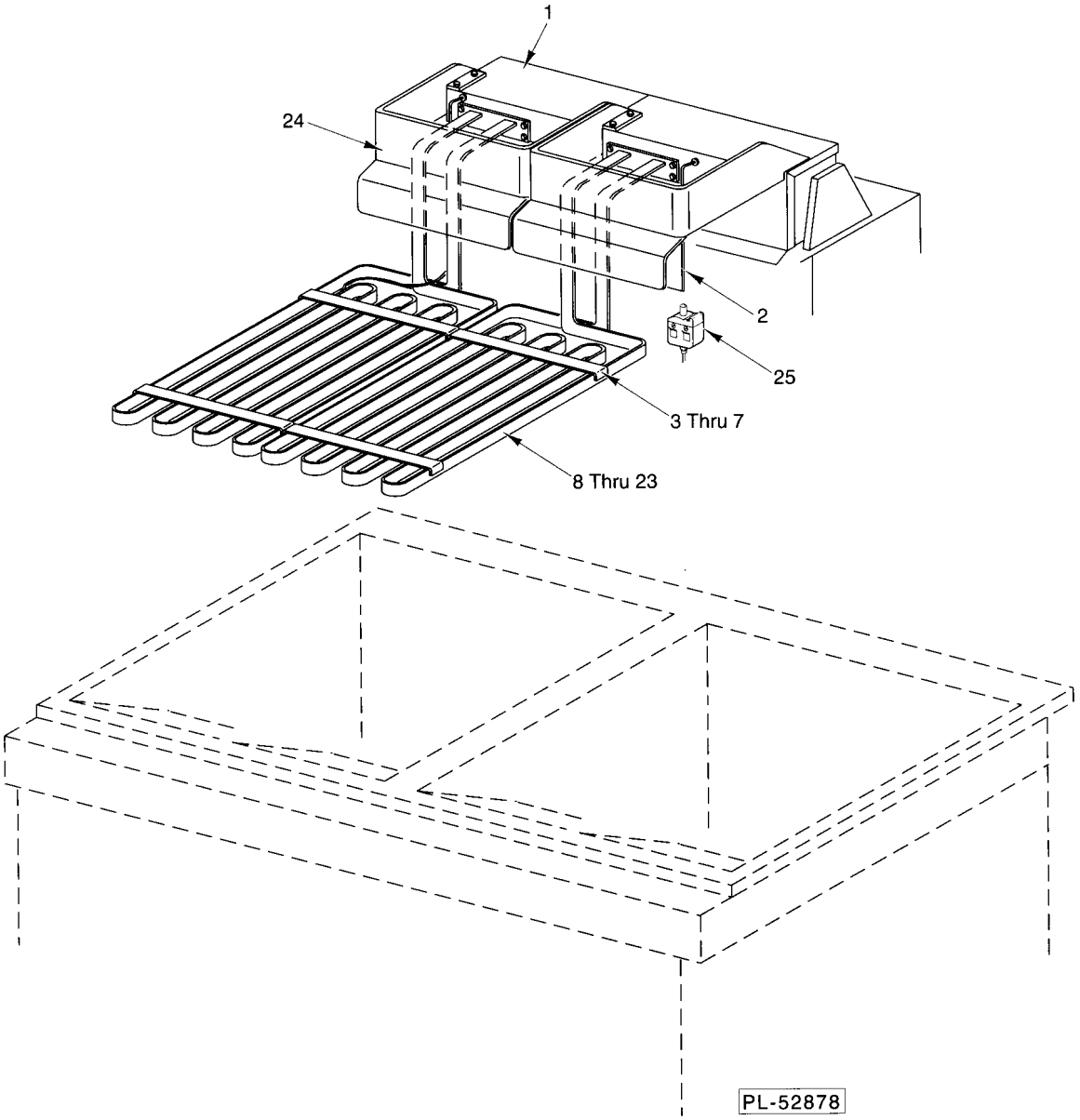
PARTS NOT ILLUSTRATED

PL-52881

POWER SUPPLY BOX

POWER SUPPLY BOX

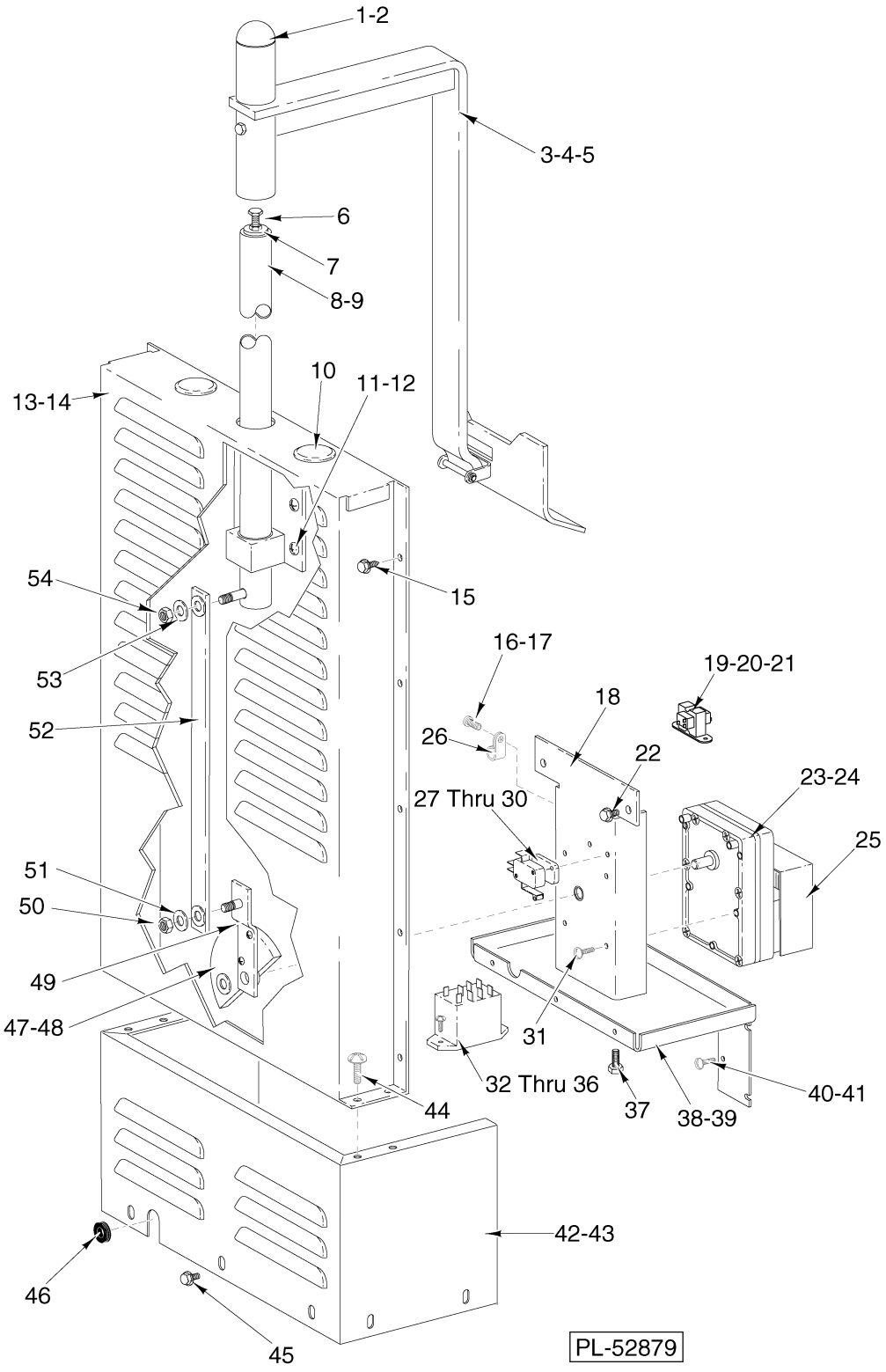
ILLUS. PL-52881	PART NO.	NAME OF PART	AMT.
1	421896-1	NLA - Obsolete--Box - Power Supply	1
2	421895-1	Cover - Box	1
3	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
4	411497-C5	Contactor 3 pole	4
5	411497-C3	Contactor 3 Pole, 40A, 120V	4
6	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	8
7	411497-A3	Relay S.P.D.T., 24V	1
8	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	4
9	411500-12	Transformer (120 V., A.C., 24 V., 20 VA)	1
10	411500-13	Transformer (200-240 V.A.C., 28 V., 20 VA)	1
11	419572-G2	Transformer 12V	1
12	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
13	FE-023-55	Holder - Fuse (15 Amp., 300 V.)	AR
14	FE-019-40	Fuse (15 Amp., 600 V.)	AR
15	SC-021-10	Mach. Screw 6-32 x 1/2 Slotted Rd. Hd (SST)	AR
16	WL-004-40	Lockwasher 10 Helical	AR
17	NS-009-07	Nut 6-32 Hex	AR
18	417856-1	Lug - Grounding (With Set Screw)	1
19	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	1
20	WL-004-40	Lockwasher 10 Helical	1
21	410472-9	Block - Terminal (208/240 V.)	1
22	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
23	410472-8	Terminal Block	1
24	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	AR
25	414208-1	Terminal Barrier	1
26	414208-2	Barrier - Terminal	1
27	SC-119-90	Mach. Screw 6-32 x 1 Slotted Pan Hd	2
28	NS-009-07	Nut 6-32 Hex	2
29	WL-004-40	Lockwasher 10 Helical	2
30	411500-6	Transformer (480V.)	1
31	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	4
32	00-411501-00021	Breaker - (50 Amp., 24kW) (3-Pole) (HFD85/85F & HFC85/85F)	2
33	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	4
34	419574-G1	Power Supply Board Assy	1
35	NS-046-89	Nut Assy. 6-32 Hex	4
36	411500-13	Transformer (200-240 V.A.C., 28 V., 20 VA)	1
37	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	1
38	419572-G1	Transformer 12 V. (RC3, 4 & 5)	2
39	FE-002-45	Connector - Conduit 1/2 TS (2 Screws Included)	1
40	422356-1	Stand - Contactor	2
41	421363-3	Cord - Power	1
42	419319	Power Cord (Filter)	2
43	419315	Power Cord	1
44	419967-5	Power Supply Cord	1
45	419557-2	Board & Panel Assy	1
46	415144-11	Board - Temperature	1



HEATING ELEMENT ASSEMBLY

HEATING ELEMENT ASSEMBLY

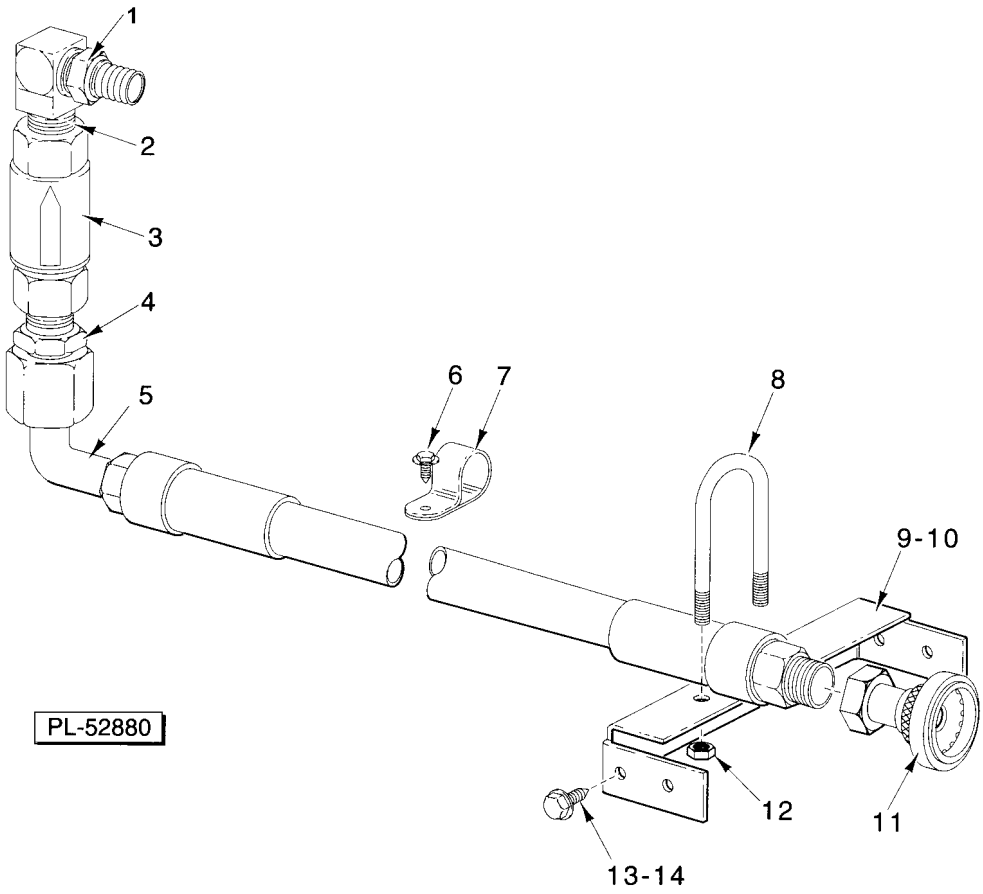
ILLUS. PL-52878	PART NO.	NAME OF PART	AMT.
1	422321-G1	Element Head Assy. (HFC225/HFD225)	1
2	416782-1	Bracket - Hi - Limit	AR
3	422727-1	Clamp - Element Top (HFC50/225/HFD50/225)	1
4	422727-2	Clamp - Element Bottom (HFC50/225/HFD50/225)	2
5	422727-2	Clamp - Lower (HFC85/HFD85)	1
6	422381-G1	Clamp - Top Element Assy. (HFC85/HFD85)	4
7	421916-G1	Top Clamp Assy. (HFC50/225/HFD50/225)	4
8	416741-G5	Element Assy. (208/7000KW) (HFC40/50/225/HFD40/50/225)	2
9	416741-G6	Element Assy. (220/7000KW) ((HFC40/50/225/HFD40/50/225)	2
10	416741-G7	Element Assy. (240/7000KW) (HFC40/50/225/HFD40/50/225)	2
11	416741-G8	Element Assy. (480/7000KW) (HFC40/50/225)	2
12	416741-G9	Element Assy. (208/8500KW) (HFC40/50/225/HFD40/50/225)	2
13	416741-G10	Element Assy. (220/8500KW) (HFC40/50/225/HFD40/50/225)	2
14	416741-G11	Element Assy. (240/8500KW) (HFC40/50/225/HFD40/50/225)	2
15	416741-G12	Element Assy. (480/8500KW) (HFC40/50/225/HFD40/50/225)	2
16	416741-G13	Element Assy. (208/10500KW) (HFC50/225/HFD/50/225)	2
17	416741-G14	Element Assy. (220/10500KW)(HFC50/225)	2
18	416741-G15	Element Assy. (240/10500KW) (HFC50/225/HFD50/225)	2
19	416741-G16	Element Assy. (480/10500KW) (HFC50/225/HFD50/225)	2
20	421892-G1	Element Assy. (208/12000KW) (HFC85/HFD85)	2
21	421892-G2	Element Assy. (220/12000KW) (HFC85/HFD85)	2
22	421892-G3	Element Assy. (240/12000KW) (HFC85/HFD85)	2
23	421892-G4	Element Assy. (480/12000KW) (HFC85/HFD85)	2
25	414146-2	Thermostat Hi-Limit	1
24	422416-1	Hanger - Basket (HFC40/50/225/HFD40/50/225)	2
	00-411496-000F7	Switch - Micro Tilt	1



BASKETLIFT COMPONENTS

BASKETLIFT COMPONENTS

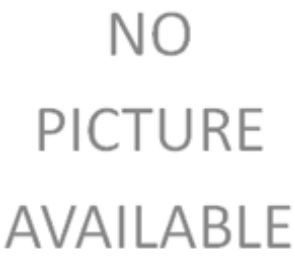
ILLUS. PL-52879	PART NO.	NAME OF PART	AMT.
1	423374-1	Cap - Rod End	1
2	SC-047-35	Set Screw 5/16-18 x 1/2 Hdls, Cup Pt	1
3	422495-G1	Lift Assy. (HFC40/50/225/HFD40/50/225)	1
4	422495-G2	Lift Assy. (HFC85/HFD85)	1
5	422495-G3	Lift Assy. (HFC40/50/HFD40/50)	1
6	418118-1	Bolt - Adjusting	1
7	NS-018-01	Jam Nut 14-20 Hex	1
8	418479-G2	Tube - Basketlift (HFC40/50/225/HFD40/50/85/225)	1
9	423262-G1	Tube - Basketlift (HFC40/50/85/225/HFD40/50/85/225)	1
10	PB-004-04	Plug Button (1-1/4)	2
11	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	6
12	422247-G1	Bearing Support Assy	1
13	422017-1	Wrap - Top (HFC40/50/HFD40/50)	1
14	422018-1	Wrap - Top (HFC85/HFD85)	1
15	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	10
16	SC-109-10	Mach. Screw 6-32 x 3/8 Slotted Pan Hd. (SST)	1
17	NS-009-07	Nut 6-32 Hex	1
18	418123-G1	Plate - Motor	1
19	411500-12	Transformer (120 V., A.C., 24 V., 20 VA)	AR
20	411500-13	Transformer (200-240 V.A.C., 28 V., 20 VA)	AR
21	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
22	SD-037-80	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	6
23	418156-1	Gear Motor (115V.,60 Hz.)	1
24	418156-2	Gear Motor (208V)	1
25	418517-1	Shroud - Motor	1
26	078752-12	Clamp - Cable	1
27	418159-1	Block - Cam Switch	1
28	411496-F3	Switch - Micro	1
29	SC-112-90	Mach. Screw 4-40 x 1 Slotted Pan Hd	2
30	NS-009-12	Nut 8-32 Hex	2
31	SC-018-47	Mach. Screw 10-32 x 3/4 Pan Hd	4
32	416535-4	Relay S.P.D.T. 24 V. Coil (Elect. Ingnition) (Located on rear of panel)	1
33	416535-6	Switch - Relay (HFC Series)	AR
34	416535-7	Switch - Relay (240V)(HFC Series)	AR
35	SC-109-10	Mach. Screw 6-32 x 3/8 Slotted Pan Hd. (SST)	2
36	NS-009-07	Nut 6-32 Hex	2
37	SD-037-80	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
38	422730-1	Base - Motor Mounting (HFC85/HFD85)	1
39	422729-1	Base - Motor Mounting (HFC40/50/225/HFD40/50/225)	1
40	SC-037-80	Cap Screw 10-24 x 1/2 Hex Hd	2
41	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
42	418480-1	Wrap - Bottom	1
43	418510-1	Wrap - Bottom (RC5, RD5 & RS5)	1
44	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	14
45	SC-037-80	Cap Screw 10-24 x 1/2 Hex Hd	2
46	418482-1	Grommet	1
47	418475-G1	Crank-Arm Assy	1
48	SC-055-02	Set Screw 1/4-20 x 1/4 Hdls., Cup Pt	2
49	SD-015-41	Self-Tapping Screw 8-32 x 1/2 Phil. Pan Hd., "Taptite"	2
50	NS-047-73	Lock Nut 5/16-18 Hex	1
51	WS-004-33	Washer	1
52	418477-G2	Coupler Assy	1
53	WS-004-33	Washer	1
54	NS-047-73	Lock Nut 5/16-18 Hex	1



OIL RETURN STAND ALONE

OIL RETURN STAND ALONE

ILLUS. PL-52880	PART NO.	NAME OF PART	AMT.
1	419251-1	Elbow - 1/2 NPTF Male Swivel	1
2	FP-035-91	Pipe 1/2 x 1 1/8 T.B.E	1
3	418786-1	Valve - Check (Ball Cone)	1
4	419211-1	Adapter (Pipe to Flare)	1
5	418966-1	Oil Return Line	1
6	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
7	078752-3	Clamp - Cable	2
8	521820	"U" Bolt 1/4 -20	1
9	420588-G1	Bracket - Oil Return (HFC40/50/85/225/HFD40/50/85/225)	1
10	418359-1	Bracket - Oil Return (HFC40/50/85/225/HFD40/50/85/225)	1
11	418791-G1	Quick Disconnect Assy	1
12	NS-044-14	Nut - 1/4 -20 Hex "Keps"	2
13	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	4
14	NS-044-09	Nut Assy. 10-24 Hex KEPS	4



ACCESSORIES

use when no PL illustration is needed or available

ACCESSORIES

ILLUS. PL-BLANK	PART NO.	NAME OF PART	AMT.
	418783-10	Fitting - Swivel Straight	1
	418783-5	Hose - Flex 1/2" I.D. x 5/8" O.D. x 28" Lg.	1
	418783-9	Hose - Flex	1
	414848-G2	Vat Cover Assy. (HFD40/50/HFC40/50)	3
	418358-G1	Vat Cover Assy. (HFD85/HFC85)	3
	414848-G1	Vat Cover Assy. (HFD225/HFC225)	3
	418346-2	Cord - Electrical 120V	1
	078752-3	Clamp - Cable	1
	419319	Power Cord (Filter)	1