VULCAN

CATALOG OF REPLACEMENT PARTS

ERD/ERC SERIES ELECTRIC FRYERS

ERD40	***ML-114614***
ERD50	***ML-114615***
ERD225	***ML-114616***
ERD85	***ML-114617***
ERC40	***ML-114618***
ERC50	***ML-114619***
ERC225	***ML-114620***
ERC85	***ML-114621***

MODELS MANUFACTURED AUGUST 2003 TO OCTOBER 2005 WITH TDI CONTROLLERS

ERD50	***ML-135541***
ERD85	***ML-135543***
ERC50	***ML-135545***
ERC85	***ML-135547***

MODELS MANUFACTURED AFTER OCTOBER 2005 WITH TDI CONTROLLERS

ER50D	***ML-136496***
ER85D	***ML-136497***
ER50C	***ML-136498***
ER85C	***ML-136499***

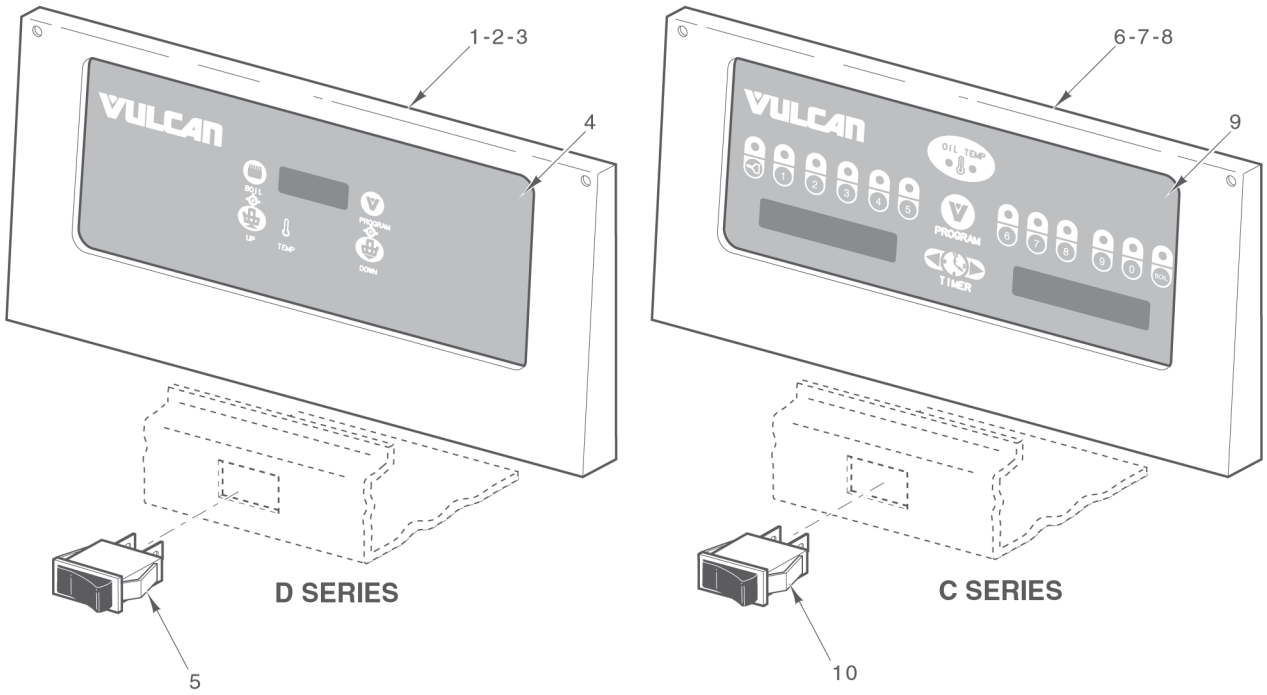


For additional information on Vulcan-Hart or to locate an authorized parts and service provider in your area, visit our website at www.vulcanhart.com

VULCAN-HART
DIVISION OF ITW FOOD EQUIPMENT GROUP, LLC
WWW.VULCANHART.COM

P.O. BOX 696, LOUISVILLE, KY 40201-0696
TEL. (800) 814-2028

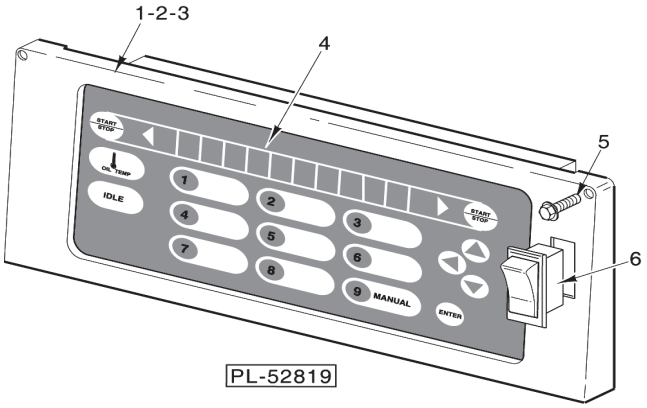
FORM 37100 (June 2006)



PL-56741

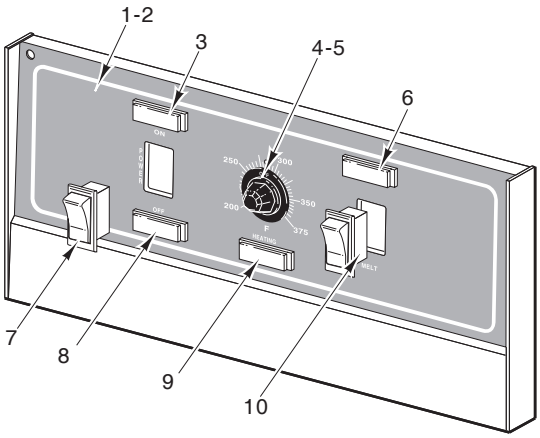
CONTROL PANEL* (TRIDELTA)
(CURRENT CONSTRUCTION)

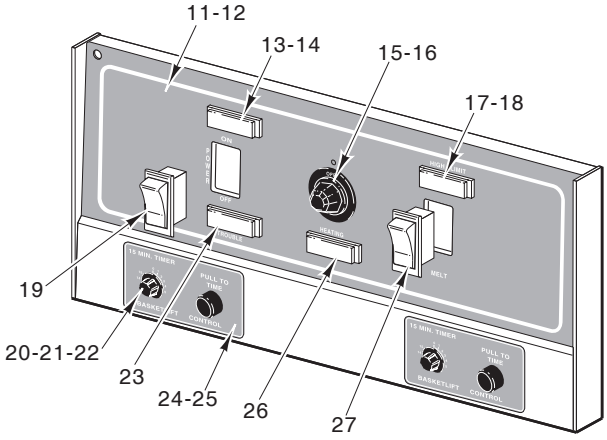
ILLUS. PL-56741	PART NO.	NAME OF PART	AMT.
1	00-427757-00001	Control Assy. – Solid State	1
2	00-426815-000G1	Plate Assy. – Mounting (ERD40/50)	1
3	00-426815-000G2	Plate Assy. – Mounting (ERD85)	1
4	00-497421-00001	Overlay – Control Panel	1
5	00-427755-000G1	Rocker Switch Assy.	1
6	00-427758-00001	Computer Cooking Assy.	1
7	00-426815-000G1	Plate Assy. – Mounting (ERC40/50)	1
8	00-426815-000G2	Plate Assy. – Mounting (ERC85)	1
9	00-497422-00001	Overlay – Control Panel	1
10	00-427755-000G1	Rocker Switch Assy.	1
	00-426251-00002	Plug	1



CONTROL PANEL (PRIOR TO OCTOBER 1, 2003)
(ERC SERIES)

ILLUS. PL-52819	PART NO.	NAME OF PART	AMT.
1	00-419385-000G1	Control Panel Frame (ERC40/50)	1
2	00-419386-000G1	Control Panel Frame (ERC85)	1
3	00-419385-000G2	Control Panel Frame (ERC225)	1
4	00-419557-00007	Board & Panel Assy. (May 15, 2000 Thru September 30, 2003)	1
5	NS-046-89	Nut Assy. 6-32 Hex KEPS	6
6	00-411496-000B1	Switch – Rocker	1
	00-419557	Computer Controlled (April 15, 1996 to May 15, 2000)	1





PL-56297

CONTROL PANEL
(ERD SERIES)

CONTROL PANEL
(ERD SERIES)

ILLUS. PL-56297	PART NO.	NAME OF PART	AMT.
1	00-418387-00002	Overlay – Control Panel (ERD40/50)	1
2	00-418388-00002	Overlay – Control Panel (ERD85)	1
3	00-411496-000E4	Light – Hot Top	1
4	00-414254-00001	Knob – Thermostat	1
5	00-415638-000G1	Potentiometer	1
6	00-411496-000E7	Light – Indicator (Red)	1
7	00-411496-000B7	Switch – Rocker	1
8	00-411496-000E6	Light – Indicator (Trouble)	1
9	00-411496-000E3	Light – Indicator (Amber)	1
10	00-411496-000B7	Switch – Rocker	1
11	00-418387-00002	Overlay – Control Panel (ERD40/50)	1
12	00-418388-00002	Overlay – Control Panel (ERD85)	1
13	00-411496-000E3	Light – Indicator (Amber)	1
14	00-411496-000E7	Light – Indicator (Red)	1
15	00-414254-00001	Knob – Thermostat	1
16	00-415638-000G1	Potentiometer	1
17	00-411496-000E7	Light – Indicator (Red)	1
18	00-411496-000E4	Light – Hot Top	1
19	00-411496-000B1	Switch – Rocker	1
20	00-415254-00002	Timer – Basketlift (Solid State)	AR
21	00-415254-00003	Timer (7 Min.)	1
22	00-415269-00001	Knob – Basketlift Timer	1
23	00-411496-000E6	Light – Indicator (Trouble)	1
24	00-415255-00005	Overlay – Basketlift (7.5 Min.)	AR
25	00-415255-00004	Label – Basketlift (15 Min.)	AR
26	00-411496-000E3	Light – Indicator (Amber)	1
27	00-411496-000B1	Switch – Rocker	1
	00-415144-00012	Board – Temperature	1

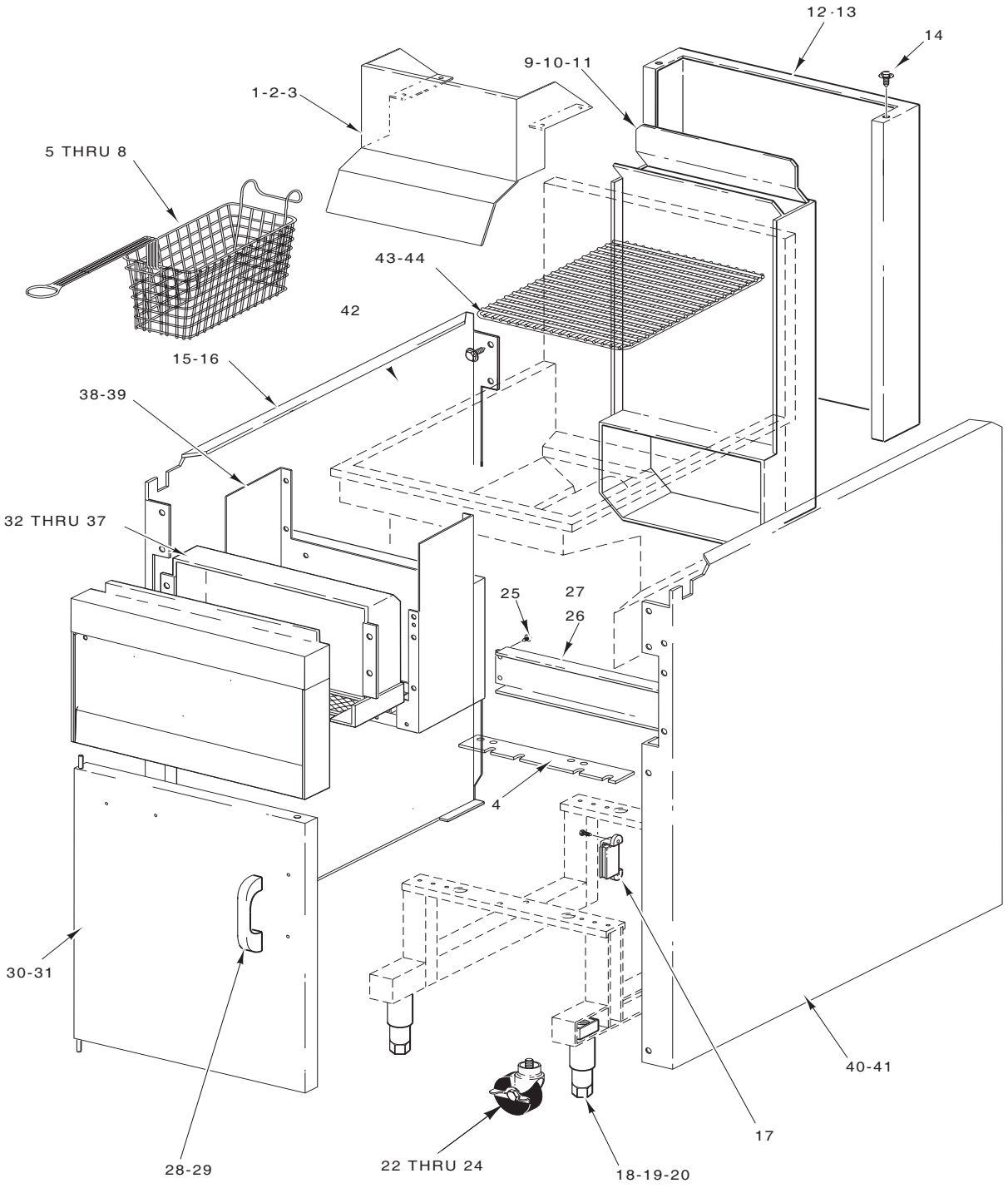


Figure 1

BODY UNIT

BODY UNIT

ILLUS. Figure 1	PART NO.	NAME OF PART	AMT.
1	00-421831-00001	Hanger – Basket (ERC85/ERD85)	1
2	00-421912-000G1	Hanger – Basket (ERC85/ERD85)	1
3	00-421911-000G1	Hanger – Basket (ERC40/50/ERD40/50)	1
4	00-421897-00001	Bracket – Power Supply Mounting	1
5	00-422868-00002	Basket – Twin (ERC85/ERD85)	AR
6	00-422870-00002	Basket – Triple (ERC85/ERD85)	AR
7	00-422869-00001	Basket – Single (ERC85/ERD85)	AR
8	00-411378-00002	Basket – Single (ERC40/50/ERD40/50)	AR
9	00-416994-000G2	Flue Assy. (3 Tube)	1
10	00-418201-000G1	Flue Box Assy. (4 Tube)	1
11	00-418205-000G1	Flue Assy. (5 Tube)	1
12	00-422020-000G4	Flue Wrap (SST) (ERC85/ERD85)	1
13	00-422021-00002	Wrap – Flue (SST) (ERC40/50/ERD40/50)	1
14	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
15	00-420596-00004	Body – Side (SST) (RH) (40/50)	1
16	00-419777-00004	Body – Side (SST) (RH)	1
17	00-497296-000G1	Magnet	2
18	00-413112-00007	Leg (6 1/4 In.) (SST)	4
19	00-413112-00009	Legs (6 In.) (SST)	4
20	00-413112-00010	Base Plate – Leg	4
21	00-418906-00001	Caster – Adjustable Rigid	2
22	00-418907-00001	Caster – Adjustable Swivel	2
23	00-421893-00002	Caster W/O Brake (4 In.) (Plate Mounted)	2
24	00-421893-00001	Caster – Swivel W/Brake (4 In. Dia.) (Plate Mounted)	2
25	SD-032-07	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	10
26	00-417014-00001	Bracket – Rear Support (ERC40/50/ERD40/50)	1
27	00-418320-00001	Bracket – Rear Support (ERC85/ERD85)	1
28	00-419653	Handle	1
29	RS-033-02	Pop Rivert (0.187)	4
30	00-426562-000G8	Door Assy. (SST) (15 1/2 In.) (ER50D/ER50C)	1
31	00-426562-000G7	Door Assy. (SS) (21 In.) (ER85D/ER85C)	1
32	00-416535-00004	Relay S.P.D.T. 24 V. Coil (Located on rear of panel)	1
33	00-415144-00012	Board – Temperature (ERD Series)	1
34	00-422737-00001	Probe – Thermistor (ERC85) (ERD85/ER85D w/TDI Controls)	1
35	00-422737-00002	Probe – Thermistor (ERC40/50/225) (ERD40/50, ER50D w/TDI Controls)	1
36	00-414142-00002	Probe – Thermistor (ERD 85) (Prior to October 5, 2003)	1
37	00-414142-00001	Probe – Thermistor (ERD 40, 50, 225) (Prior to October 5, 2003)	AR
38	00-422838-000G1	Heat Shield (ERC40/50/ERD40/50)	1
39	00-422838-000G2	Heat Shield (ERC85/ERD85)	1
40	00-420596-00003	Body – Side (SST) (LH) (40, 50)	1
41	00-419777-00003	Body – Side (SST) (LH)	1
42	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	8
43	00-420613-00002	Screen – Drain (13 1/2 In.)	1
44	00-420613-00001	Screen – Drain (19 In.)	1
	00-420769-00001	Bumper – Rubber	1
	00-422378-00001	Rack – Basket (85)	1
	00-428023-000G2	Door Hinge Assy.	1
	00-426562-000G2	Door Assy. (ERD225/40/50, ERC225/40/50)	1
	NS-047-79	Palnut 3/16	2
	00-417700-00003	Nameplate 4 In. (Old Style)	1

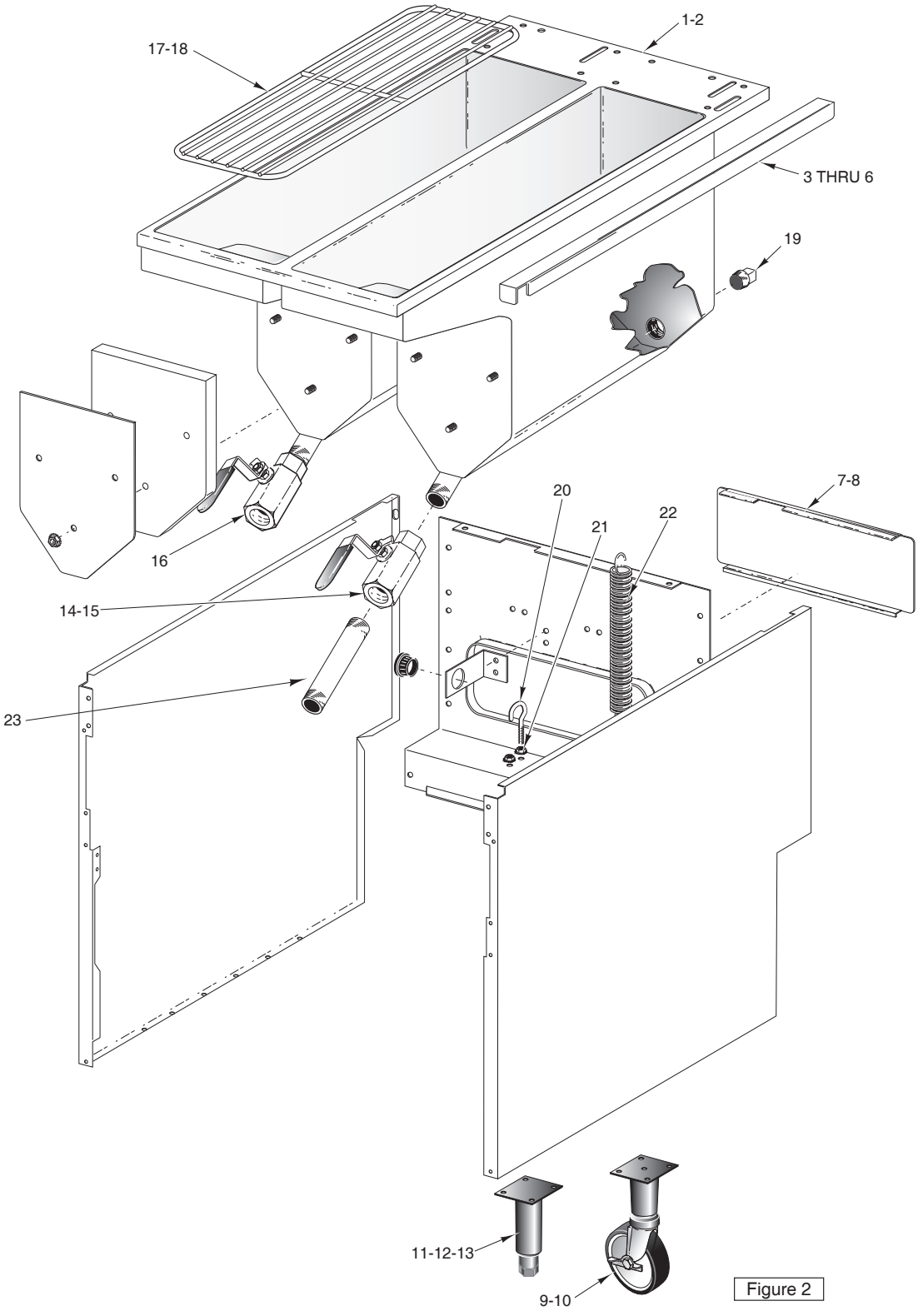
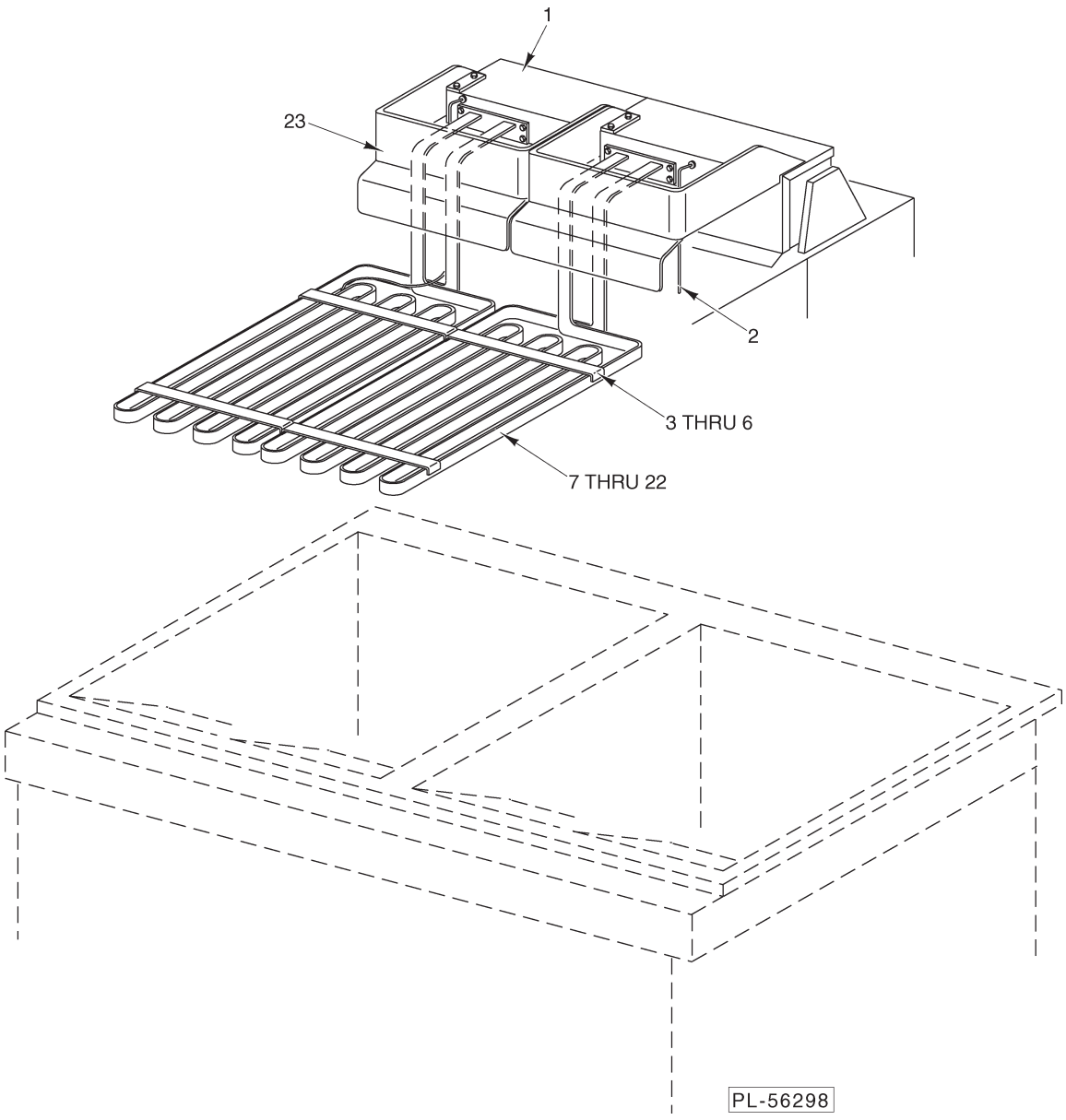


Figure 2

TANK ASSEMBLY

TANK ASSEMBLY

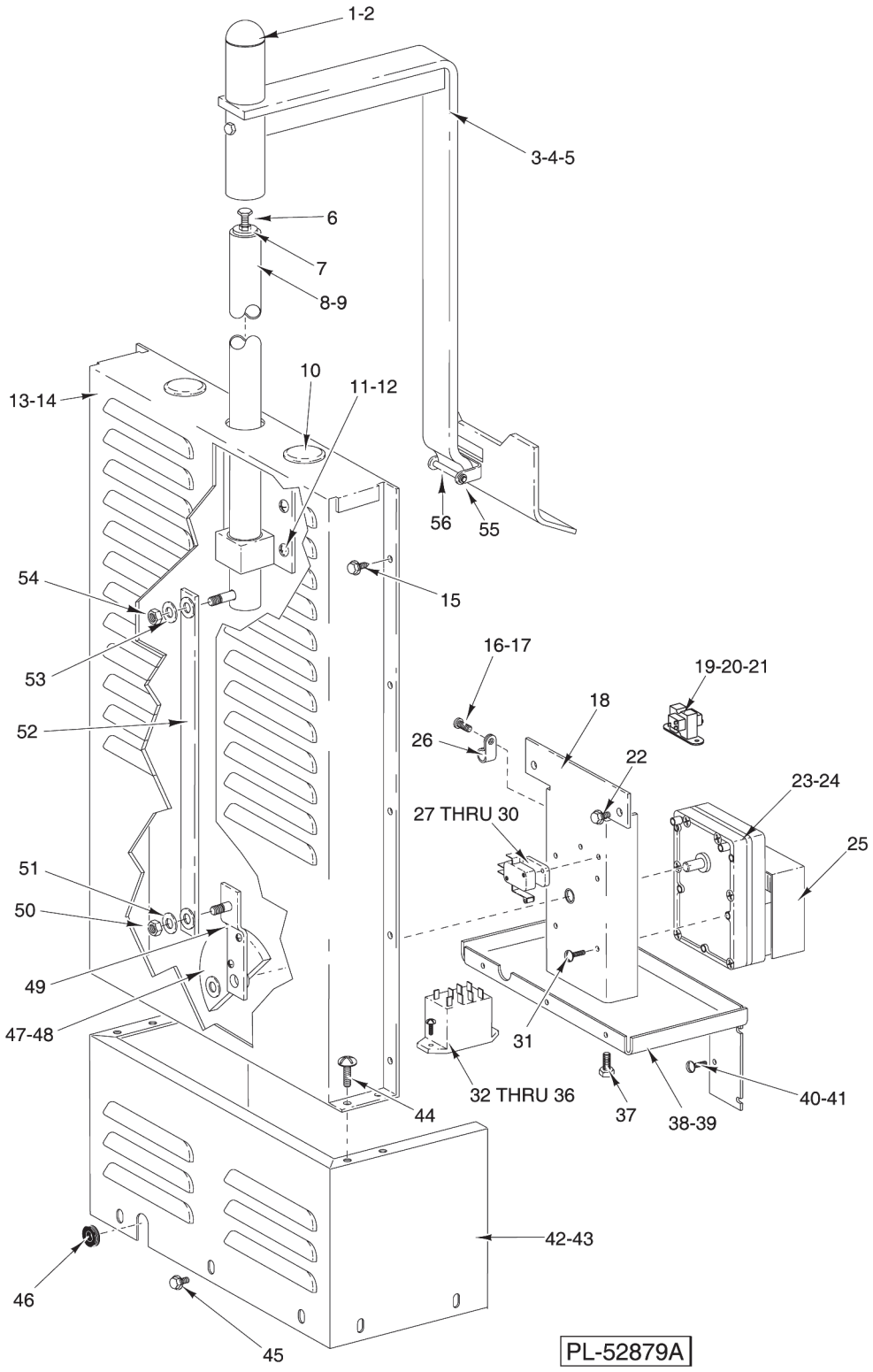
ILLUS. Figure 2	PART NO.	NAME OF PART	AMT.
1	00-421844-000G1	Tank Assy. (ER50)	1
2	00-421842-000G1	Tank Assy. (ER85)	1
3	00-414460-00001	Strip – Grease Protector (ERC40/50/ERD40/50)	1
4	00-414460-00002	Strip – Grease Protector (Spec) (ERC85/ERD85)	1
5	00-414460-00003	Strip – Grease Protector (Spec)	1
6	00-414460-00004	Strip – Grease Protector (Spec)	1
7	00-414345-00001	Door – Rear	1
8	00-414345-00003	Door – Rear (PTD)	1
9	00-421893-00002	Caster W/O Brake (4 In.)	2
10	00-421893-00001	Caster – Swivel W/Brake (4 In.)	2
11	00-413112-00007	Leg (6 1/4 In.) (SST)	4
12	00-413112-00009	Legs (6 In.) (SST)	4
13	00-413112-00010	Base Plate – Leg	4
14	00-414212-00003	Valve – Ball (RH) (ERC225/ERD225)	1
15	00-414212-00004	Valve – Ball (LH) (ERC40/50/ERD40/50)	1
	00-426803-000G3	Valve Assy. w/Mounted Switch (ER50) (w/TDI Controller)	1
16	00-414212-00006	Valve – Ball 1 1/4 Bal (ERC85/ERD85)	1
	00-426803-000G2	Valve Assy. w/Mounted Switch (ER85) (w/TDI Controller)	1
17	00-414214-00001	Wire Rack (ERC225/ERD225)	2
18	00-414214-00002	Wire Rack (ERC40/50/ERD40/50)	1
19	FP-028-14	Plug – Pipe 1/2 Sq. Hd.	AR
20	00-402570-00003	Eye Bolt	AR
21	NS-046-50	Mach. Nut 6-32 Hex Stl.	AR
22	00-406363-00001	Spring – Door (Long)	AR
23	FP-090-66	Drain Pipe (ER50D/ER50C)	1
	FP-090-67	Drain Pipe (ER85D/ER85C)	1
	00-426805-000G1	Reed Switch (Wired) (ER50/85) (w/TDI Controller)	1
	00-426801-00002	Magnet – Reed Switch (ER50/85) (w/TDI Controller)	1
	00-421822-000G1	Tank Assy. (ER40)	1
	00-422110-000G1	Tank Assy. (ER225)	1



HEATING ELEMENT ASSEMBLY

HEATING ELEMENT ASSEMBLY

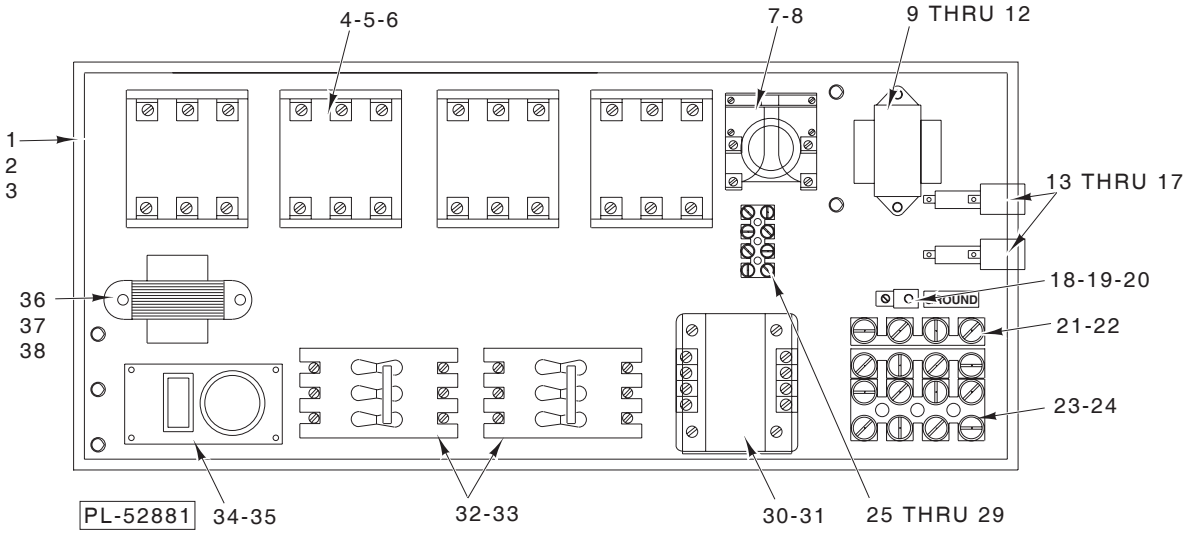
ILLUS. PL-52898	PART NO.	NAME OF PART	AMT.
1	00-422321-000G1	Element Head Assy. (ERC225/ERD225) (Prior to December 2003)	1
	00-422827-000G2	Element Head Assy. (LH) (ER225)	1
	00-422827-000G3	Element Head Assy. (RH) (ER225)	1
	00-422827-000G1	Element Head Assy. (ER40/50)	1
	00-422825-000G1	Element Head Assy. (ER85)	1
2	00-416782-00001	Bracket – Hi-Limit	AR
3	00-422727-00002	Clamp – Element Bottom (ERC50/ERD50)	2
4	00-422380-00001	Clamp – Lower (ERC85/ERD85)	1
5	00-422381-000G1	Clamp – Top Element Assy. (ERC85/ERD85)	4
6	00-421916-000G1	Top Clamp Assy. (ERC50/ERD50)	4
7	00-416741-000G5	Element Assy. (208 V., 7000 kW) (ER40/50)	2
8	00-416741-000G6	Element Assy. (220 V., 7000 kW) (ER40/50)	2
9	00-416741-000G7	Element Assy. (240 V., 7000 kW) (ER40/50)	2
10	00-416741-000G8	Element Assy. (480 V., 7000 kW) (ER225)	2
11	00-416741-000G9	Element Assy. (208 V., 8500 kW) (ER40/50)	2
12	00-416741-00G10	Element Assy. (220 V., 8500 kW) (ER40/50)	2
13	00-416741-00G11	Element Assy. (240 V., 8500 kW) (ER40/50)	2
14	00-416741-00G12	Element Assy. (480 V., 8500 kW) (ER40/50)	2
15	00-416741-00G13	Element Assy. (208 V., 10500 kW) (ER50)	2
16	00-416741-00G14	Element Assy. (220 V., 10500 kW) (ER50)	2
17	00-416741-00G15	Element Assy. (240 V., 10500 kW) (ER50)	2
18	00-416741-00G16	Element Assy. (480 V., 10500 kW) (ER50)	2
19	00-421892-000G1	Element Assy. (208 V., 12000 kW) (ER85)	2
20	00-421892-000G2	Element Assy. (220 V., 12000 kW) (ER85)	2
21	00-421892-000G3	Element Assy. (240 V., 12000 kW) (ER85)	2
22	00-421892-000G4	Element Assy. (480 V., 12000 kW) (ER85)	2
23	00-421911-000G1	Hanger – Basket (ER40/50)	2
	00-414146-00002	Thermostat Hi-Limit	1
	00-416736-00001	Gasket – Element Flange (ER225/40/50/85)	1
	00-414178-000G2	Clamp Assy. – Top Element	1
	00-414177-00001	Clamp – Bottom Element (October 2005 to Present)	1
	00-426801-00001	Wired Switch (Tilt Switch)	1
	00-426801-00002	Magnet Switch Element Head (Tilt Switch)	1
	00-411496-000F7	Tilt Switch (Prior to August 15, 2003)	1



BASKETLIFT COMPONENTS

BASKETLIFT COMPONENTS

ILLUS. PL-52879A	PART NO.	NAME OF PART	AMT.
1	00-423374-00001	Cap – Rod End	1
2	SC-047-35	Set Screw 5/16-18 x 1/2 Hdls., Cup Pt.	1
3	00-422495-000G1	Lift Assy. (Dual) (ER40/50, ER225)	1
4	00-422495-000G2	Lift Assy. (ER85)	1
5	00-422495-000G3	Lift Assy. (Single) (ER40/50)	1
6	00-418118-00001	Bolt – Adjusting	1
7	NS-018-01	Jam Nut 1/4-20 Hex	1
8	00-418479-000G2	Tube – Basketlift (ER40/50, ER85)	1
9	00-423262-000G1	Tube – Baskelift (ER40/50, ER85)	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	00-422247-000G1	Bearing Support Assy.	1
13	00-422017-00001	Wrap – Top (ER40/50)	1
14	00-422018-00001	Wrap – Top (ER85)	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 Pan Hd.	1
17	NS-009-07	Mach. Nut 6-32 Hex	1
18	00-418123-000G1	Plate – Motor	1
19	00-411500-00012	Transformer (120 VAC, 28 V., 20 VA)	AR
20	00-411500-00013	Transformer (200-240 VAC, 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	00-418156-00001	Gear Motor (115 V., 60 Hz.)	1
24	00-418156-00002	Gear Motor (208 V.)	1
25	00-418517-00001	Shroud – Motor	1
26	00-078752-00012	Clamp – Cable	1
27	00-418159-00001	Block – Cam Switch	1
28	00-411496-000F3	Switch – Micro	1
29	SC-112-90	Mach. Screw 4-40 x 1 Pan Hd.	2
30	NS-009-12	Mach. Nut 8-32 Hex	2
31	SC-018-47	Mach. Screw 10-32 x 3/4 Pan Hd.	4
32	00-416535-00004	Relay S.P.D.T. 24 V. Coil (Located on rear of panel)	1
33	00-416535-00006	Switch – Relay (ERC Series)	AR
34	00-416535-00007	Switch – Relay (240 V.) (ERC Series)	AR
35	SC-109-10	Mach. Screw 6-32 x 3/8 Pan Hd.	2
36	NS-009-07	Mach. Nut 6-32 Hex	2
37	SD-037-80	Self-Tapping Screw 10-24 x 1/2 Hex Washer Hd., Type TT	2
38	00-422730-00001	Base – Motor Mounting (ER85)	1
39	00-422729-00001	Base – Motor Mounting (ER40/50)	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	00-418480-00001	Wrap – Bottom	1
43	00-418510-00001	Wrap – Bottom	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	00-418482-00001	Grommet	1
47	00-418475-000G1	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	00-418477-000G2	Coupler Assy.	1
53	WS-004-33	Washer	1
54	NS-047-73	Lock Nut 5/16-18 Hex	1
55	00-418488-00001	Roll Pin	1
56	00-418487-00001	Roller	1



POWER SUPPLY BOX

POWER SUPPLY BOX

ILLUS. PL-52881	PART NO.	NAME OF PART	AMT.
1	00-421896-00001	Box – Power Supply (Prior to April 28, 2005)	1
	00-497095-00001	Box – Power Supply (April 28, 2005 to Present) (ER40/50)	1
	00-497095-00002	Box – Power Supply (October 6, 2005 to Present) (ER85)	1
2	00-421895-00001	Cover – Box (Prior to April 28, 2005)	1
3	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
4	00-411497-000C5	Contactor (3 Pole, 40-amp, 230V)	4
5	00-411497-000C3	Contactor (3 Pole, 40-amp, 120 V)	4
6	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	8
7	00-411497-000A3	Relay S.P.D.T., 24 V.	1
8	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	4
9	00-411500-00012	Transformer (120 VAC, 28 V., 20 VA)	1
10	00-411500-00013	Transformer (200-240 VAC, 28 V., 20 VA)	1
11	00-419572-000G2	Transformer 12 V.	1
12	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
13	FE-023-55	Holder – Fuse	AR
14	FE-019-40	Fuse (15 Amp.) (300 V.)	AR
15	SC-021-10	Mach. Screw 6-32 x 1/2 Rd. Hd.	AR
16	WL-004-40	Lockwasher #10 Medium	AR
17	NS-009-07	Mach. Nut 6-32 Hex	AR
18	00-417856-00001	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 Medium	1
21	00-410472-00009	Block – Terminal (208/240 V.)	1
22	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	2
23	00-410472-00008	Terminal Block	1
24	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	AR
25	00-414208-00001	Terminal Barrier	1
26	00-414208-00002	Barrier – Terminal	1
27	SC-119-90	Mach. Screw 6-32 x 1 Pan Hd.	2
28	NS-009-07	Mach. Nut 6-32 Hex	2
29	WL-004-40	Lockwasher #10 Medium	2
30	00-411500-00006	Transformer (480 V.)	1
31	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	4
32	00-411501-00014	Circuit Breaker	2
33	SD-036-96	Self-Tapping Screw 8-18 x 3/4 Hex Hd., Type AB	4
34	00-419574-000G1	Power Supply Board Assy. (Prior to August 15, 2003)	1
35	NS-046-89	Nut Assy. 6-32 Hex KEPS	4
36	00-411500-00013	Transformer (200-240 VAC, 28 V., 20 VA)	1
37	SD-036-03	Self-Tapping Screw 8-18 x 3/8 Hex Washer Hd., Type AB	1
38	00-419572-000G1	Transformer 12 V. (RC3, 4 & 5)	2
	FE-002-45	Connector – Conduit 1/2 TS (2 Screws Included)	1
	00-422356-00001	Stand – Contactor	2
	00-421363-00003	Cord – Power	1
	00-419319	Power Cord (Filter)	2
	00-416535-00004	Relay Switch (April 28, 2005 to Present)	1
	00-416535-00007	Relay Switch 240 V (April 28, 2005 to Present)	1
	00-427759-00001	Interface Board (Used w/TDI Controller)	1

RECOMMENDED SPARE PARTS LIST

PART NO.	NAME OF PART	AMT.
00-414146-00002	Thermostat – High Limit	1
00-422737-00001	Thermistor Probe – Temperature	1
00-427759-00001	Interface Board	1
00-426805-000G1	Reed Switch – Wired	1
00-426801-00002	Magnet – Reed Switch	1
00-411500-00013	Transformer 240/24 40 VA	1
FE-023-55	Fuse Holder	1
FE-019-40	Fuse 15-amp	1
00-411501-00021	Circuit Breaker 50-amp	1
00-416535-00007	Relay, 240V	1
00-416535-00004	Relay, 24V	1
00-416535-00006	Relay, 120V	1
00-427755-000G1	Rocker Switch	1
00-411497-000C5	Contactor 40-amp 230V	1
00-411497-000C3	Contactor 40-amp 120V	1
00-421892-000G1	Element 208V 12kW	1
00-421892-000G3	Element 240V 12kW	1
00-416741-000G9	Element 208V 8.5kW	1
00-416741-00G11	Element 240V 8.5kW	1
00-416741-000G5	Element 208V 7kW	1
00-416741-000G7	Element 240V 7kW	1
00-421892-000G4	Element 480V 12kW	1
00-416741-00G12	Element 480V 8.5kW	1
00-416741-000G8	Element 480V 7kW	1
00-411500-00012	Transformer 120/28 40 VA	1
00-411500-00013	Transformer 208-240/28 40 VA	1
00-427757-00001	Controller TDI D Series	1
00-427758-00001	Controller TDI C Series	1
00-497421-00001	Overlay, Controller TDI D Series	1
00-497422-00001	Overlay, Controller TDI C Series	1