

TDE550 & TDE650 SERVICE PARTS

This parts list contains the service parts and wiring diagrams for this model. Check the model number of the machine requiring the parts to be sure that this is the correct parts list.

TDE550s & TDE650s have been made in 115 volt, 60 Hz and 230 volt 50 Hz.

Model numbers for the 115 volt models include:

TDE550AE-1A and TDE550WE-1A

TDE650AE-1A and TDE650WE-1A

Model numbers for the 230 volt models include:

TDE550AE-6A and TDE550WE-6A.

TDE650AE-6A and TDE650WE-6A.

Note: The liquid line filter drier listed in this parts list is designed for this refrigeration system. Premature failure may result if the wrong drier is used.

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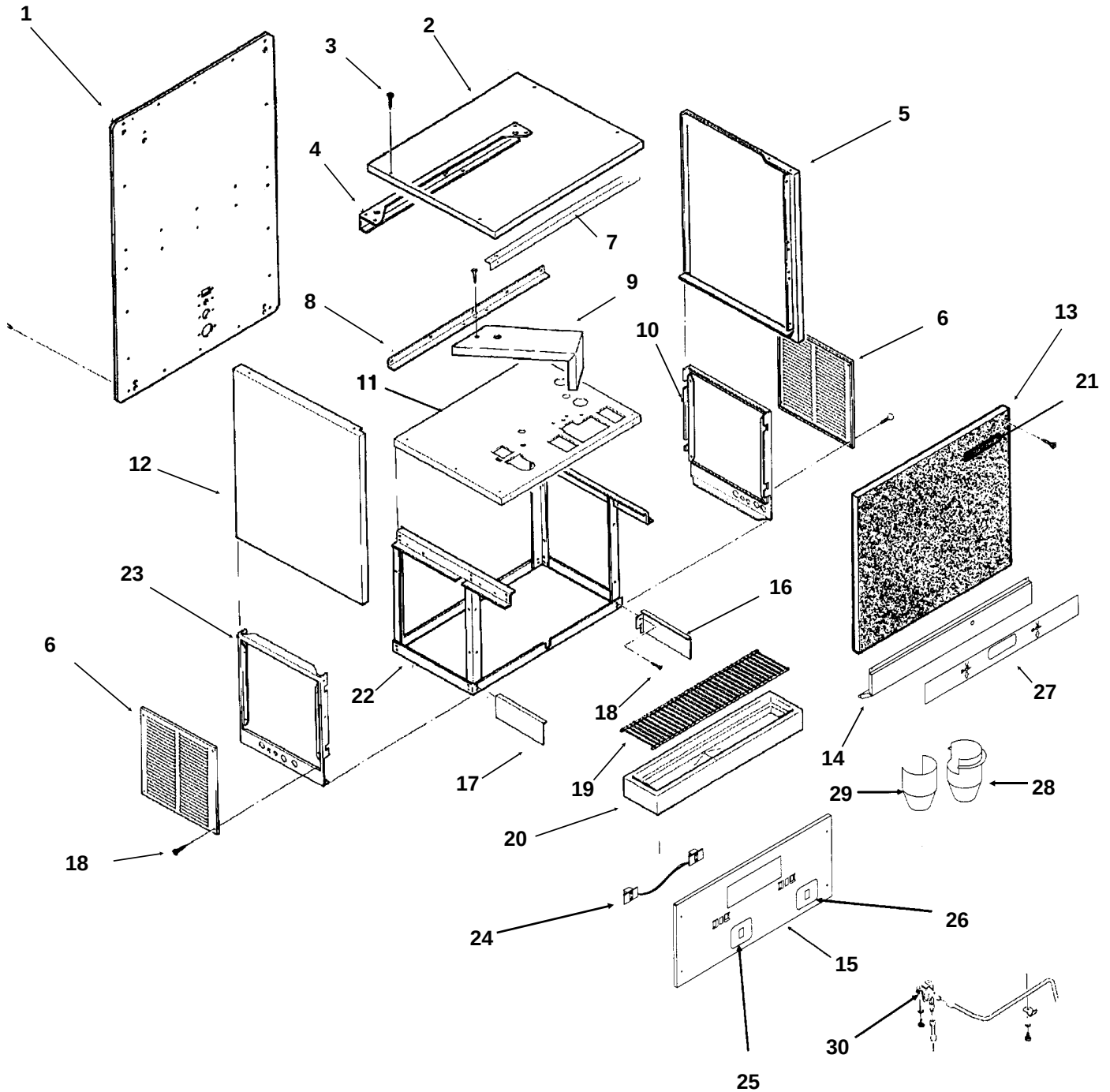
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TDE550 & TDE650 SERVICE PARTS

Cabinet

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TDE550

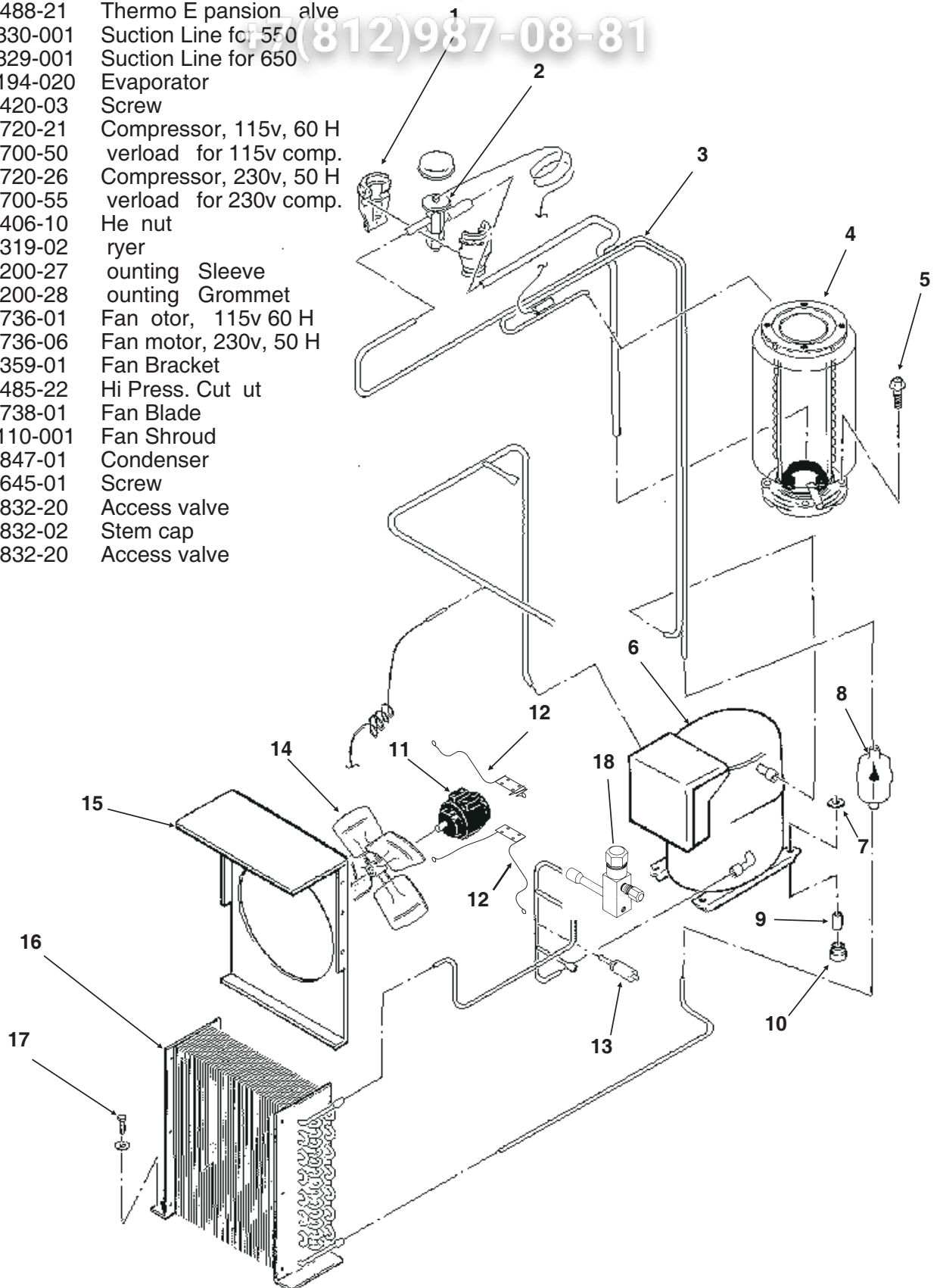
TDE650

ITEM NUMBER	PART NUMBER	DESCRIPTION	ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A32954-001	Back Panel, sandalwood	1	A33112-001	Back Panel, sandalwood
	A32954-015	Back panel, gray		A33112-015	Back panel, gray
	A32954-002	Back Panel, stainless		A33112-002	Back Panel, stainless
2	A32948-001	Top Panel, sandalwood	2	A32948-001	Top Panel, sandalwood
	A32948-015	Top panel, gray		A32948-015	Back panel, gray
	A32948-002	Top Panel, stainless		A32948-002	Top Panel, stainless
3	03-1419-16	Panel screw	3	03-1419-16	Panel screw
4	A32938-001	Hanger Brace	4	A32938-001	Hanger Brace
5	A32947-003	Rt. side panel, sandalwood	5	A33109-003	Rt. side panel, Sandalwood
	A32947-016	Rt. side panel, gray		A33109-016	Right side panel, gray
	A32947-004	Rt. side panel, stainless		A33109-004	Rt. side panel, stainless
6	A33113-001	Service panel, sandalwood	6	A33113-001	Service panel, sandalwood
	A33113-002	Service panel, stainless		A33113-015	Service panel, gray
	A33113-015	Service panel, gray		A33113-002	Service panel, stainless
7	A32939-001	Front Brace	7	A32939-001	Front Brace
8	A32940-001	Support angle	8	A32940-001	Support angle
9	A32949-001	Gearmotor Support	9	A33107-001	Gearmotor Support
10	A32953-001	Rt. side lower, sandalwood	10	A32953-001	Rt. side lower, sandalwood
	A32953-015	Right side lower, gray		A32953-015	Rt. side lower, gray
	A32953-002	Rt. side lower, stainless		A32953-002	Rt. side lower, stainless
11	A32956-001	Upper plate assembly	11	A32956-001	Upper plate assembly
12	A32947-001	Lt. side panel, sandalwood	12	A33109-001	Lt. side panel, sandalwood
	A32947-002	Lt. side panel, ss		A33109-002	Lt. side panel, ss
	A32947-015	Left side panel, gray		A33109-015	Left side panel, gray
13	A32946-001	Up front panel, sandalwood	13	A33108-001	Up front panel, sandalwood
	A32946-002	Upper front panel, gray		A33108-002	Upper front panel, gray
	A34393-001	Up front panel, stainless		A34394-001	Up front panel, stainless
14	A36142-001	Control panel assembly	14	A36142-001	Control panel assembly
15	A36127-020	Splash panel with labels (for enamel-sandalwood)	15	A36127-020	Splash panel with labels (for enamel-sandalwood)
	A36127-021	Splash panel with labels (for stainless steel or gray)		A36127-021	Splash panel with labels (for stainless steel or gray)
16	A34917-001	RH sink support	16	A34917-001	RH sink support
17	A34917-001	LH sink support	17	A34917-001	LH sink support
18	03-1405-17	Screw	18	03-1405-17	Screw
19	02-2951-01	Grill	19	02-2951-01	Grill
20	obsolete	Sink, brown	20	obsolete	Sink, brown
	02-2944-20	Sink, gray		02-2944-20	Sink, gray
21	15-0711-01	Emblem for sandalwood	21	15-0711-01	Emblem for painted
	15-0808-01	Emblem for stainless or gray		15-0808-01	Emblem for stainless or gray
22	A32958-001	Lower frame assy	22	A32958-001	Lower frame assy
23	A32952-001	Lt side lower, sandalwood	23	A32952-001	Lt side lower, sandalwood
	A32952-015	Left side lower, gray		A32952-015	Left side lower, gray
	A32952-002	Lt side lower, stainless		A32952-002	Lt side lower, stainless
24	12-2495-21	Touch free sensors	24	12-2495-21	Touch free sensors
25	17-2288-03	Ice label, tan	25	17-2288-03	Ice label, tan
	17-2288-06	Ice label, grey		17-2288-06	Ice label, grey
26	17-2288-02	Water label, tan	26	17-2288-02	Water label, tan
	17-2288-05	Water label, grey		17-2288-05	Water label, grey
27	17-2288-01	Ice & Water label, tan	27	17-2288-01	Ice & Water label, tan
	17-2288-04	Ice & Water label, grey		17-2288-04	Ice & Water label, grey
28	02-3365-01	Water chute	28	02-3365-01	Water chute
29	02-3270-01	Ice chute	29	02-3270-01	Ice chute
30	12-1646-01	Solenoid Assembly (115v)	30	12-1646-01	Solenoid Assembly (115v)
	12-1646-06	Solenoid (230v)		12-1646-06	Solenoid (230v)
			31	12-2391-01	Key lock, Gov. units only

TDE550 & TDE650 SERVICE PARTS

Air Cooled Refrigeration

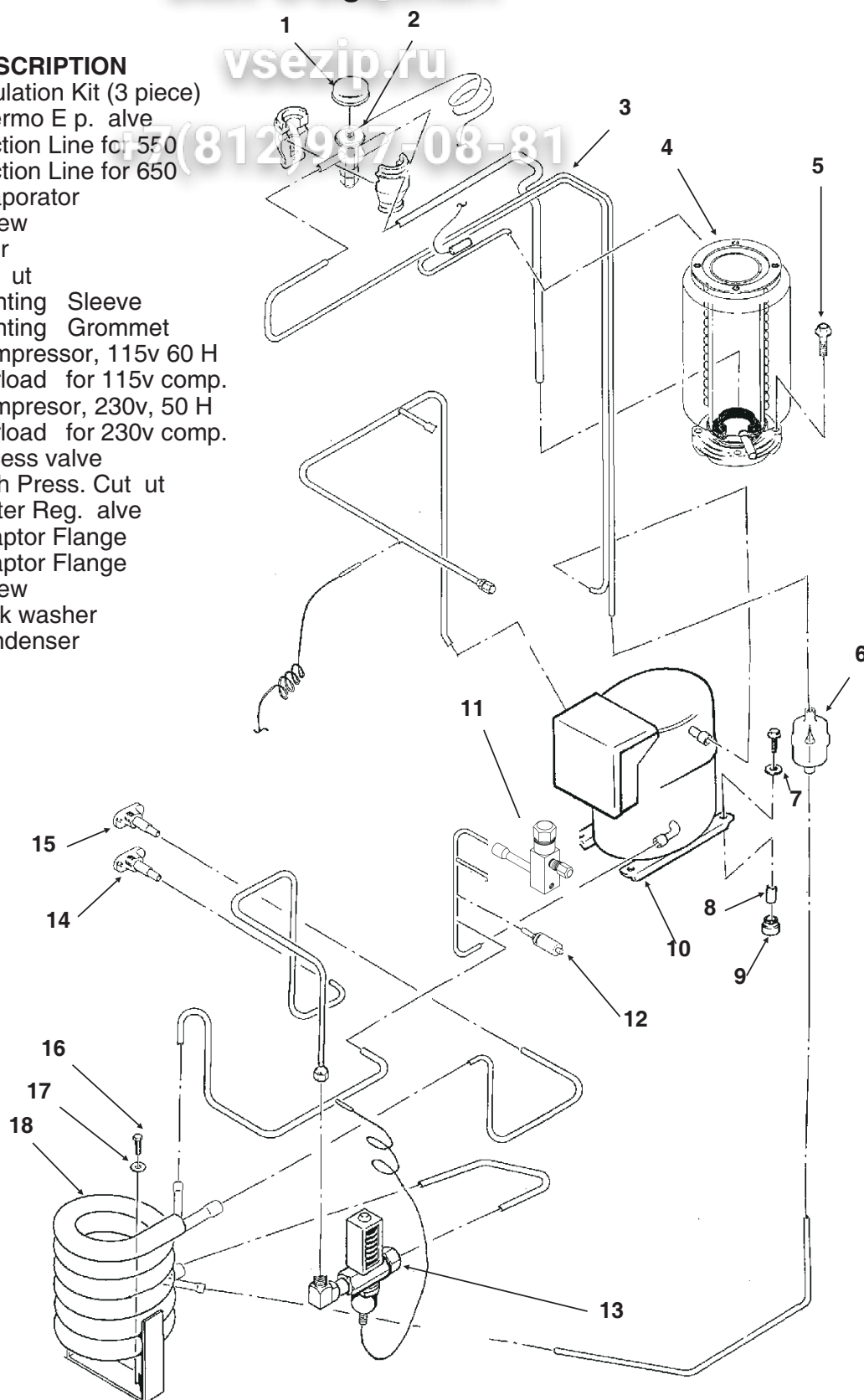
ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A32961-020	Insulation Kit (3 piece)
2	11-0488-21	Thermo Expansion valve
3	A33330-001	Suction Line for 550
	A33329-001	Suction Line for 650
4	A33194-020	Evaporator
5	03-1420-03	Screw
6	18-8720-21	Compressor, 115v, 60 H
	18-5700-50	verload for 115v comp.
	18-8720-26	Compressor, 230v, 50 H
	18-5700-55	verload for 230v comp.
7	03-1406-10	He nut
8	02-3319-02	ryer
9	18-2200-27	ounting Sleeve
10	18-2200-28	ounting Grommet
11	18-8736-01	Fan otor, 115v 60 H
	18-8736-06	Fan motor, 230v, 50 H
12	02-3359-01	Fan Bracket
13	11-0485-22	Hi Press. Cut ut
14	18-8738-01	Fan Blade
15	A33110-001	Fan Shroud
16	18-8847-01	Condenser
17	03-1645-01	Screw
18	16-0832-20	Access valve
	16-0832-02	Stem cap
	16-0832-20	Access valve



TDE550 & TDE650 SERVICE PARTS

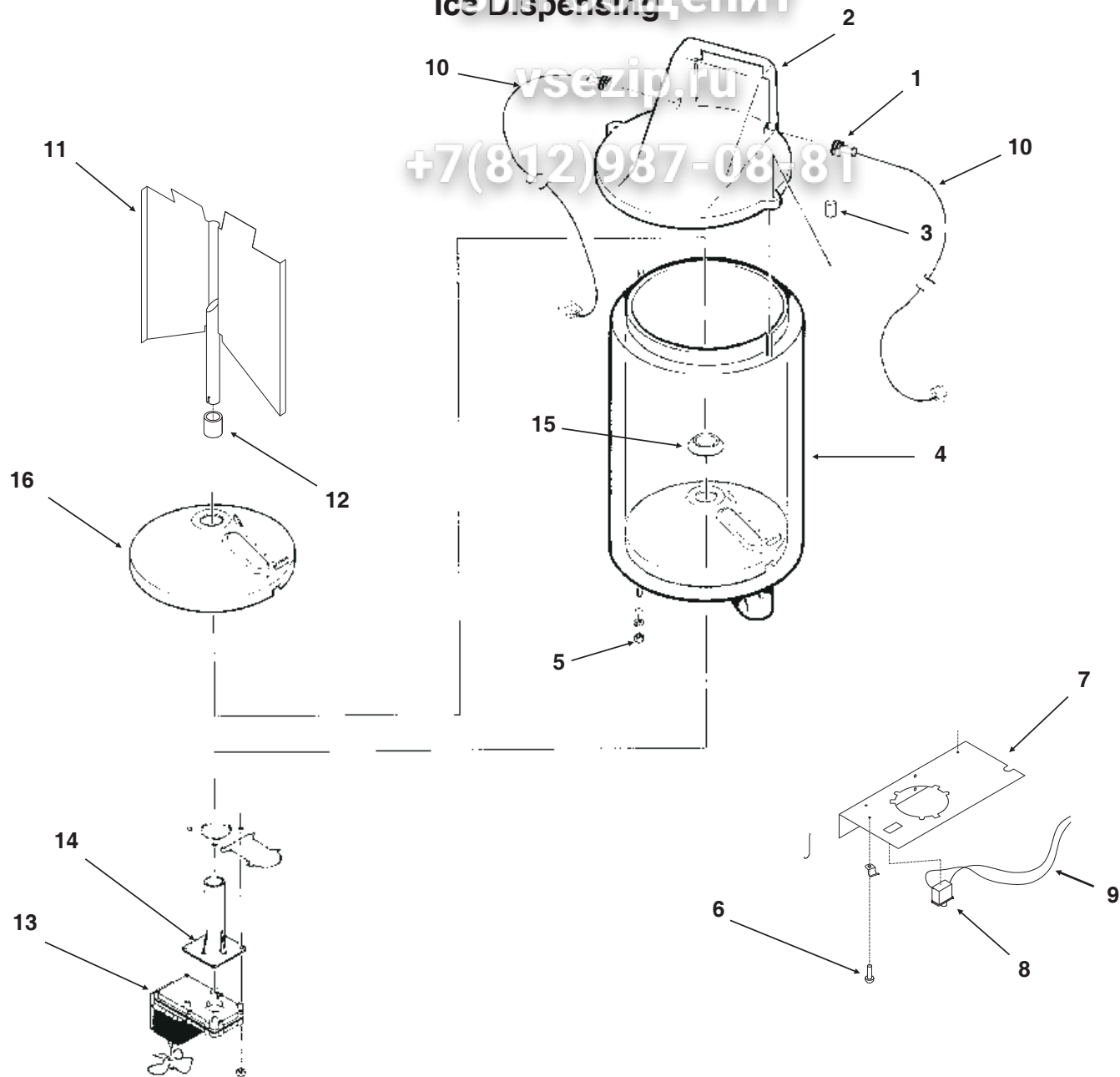
Water Cooled Refrigeration

ITEM NUMBER	PART NUMBER	DESCRIPTION
1	A32961-020	Insulation Kit (3 piece)
2	11-0488-21	Thermo E p. alve
3	A33330-001	Suction Line for 550
	A33329-001	Suction Line for 650
4	A33194-020	Evaporator
5	03-1420-03	Screw
6	02-3319-02	ryer
7	03-1406-10	He ut
8	18-2200-27	ounting Sleeve
9	18-2200-28	ounting Grommet
10	18-8720-21	Compressor, 115v 60 H
	18-5700-50	verload for 115v comp.
	18-8720-26	Compresor, 230v, 50 H
	18-5700-55	verload for 230v comp.
11	16-0832-20	Access valve
12	11-0485-22	High Press. Cut ut
13	11-0478-01	Water Reg. alve
14	A31828-002	Adaptor Flange
15	A31828-001	Adaptor Flange
16	03-1405-17	Screw
17	03-1410-03	Lock washer
18	18-3305-25	Condenser



TDE550 & TDE650 SERVICE PARTS

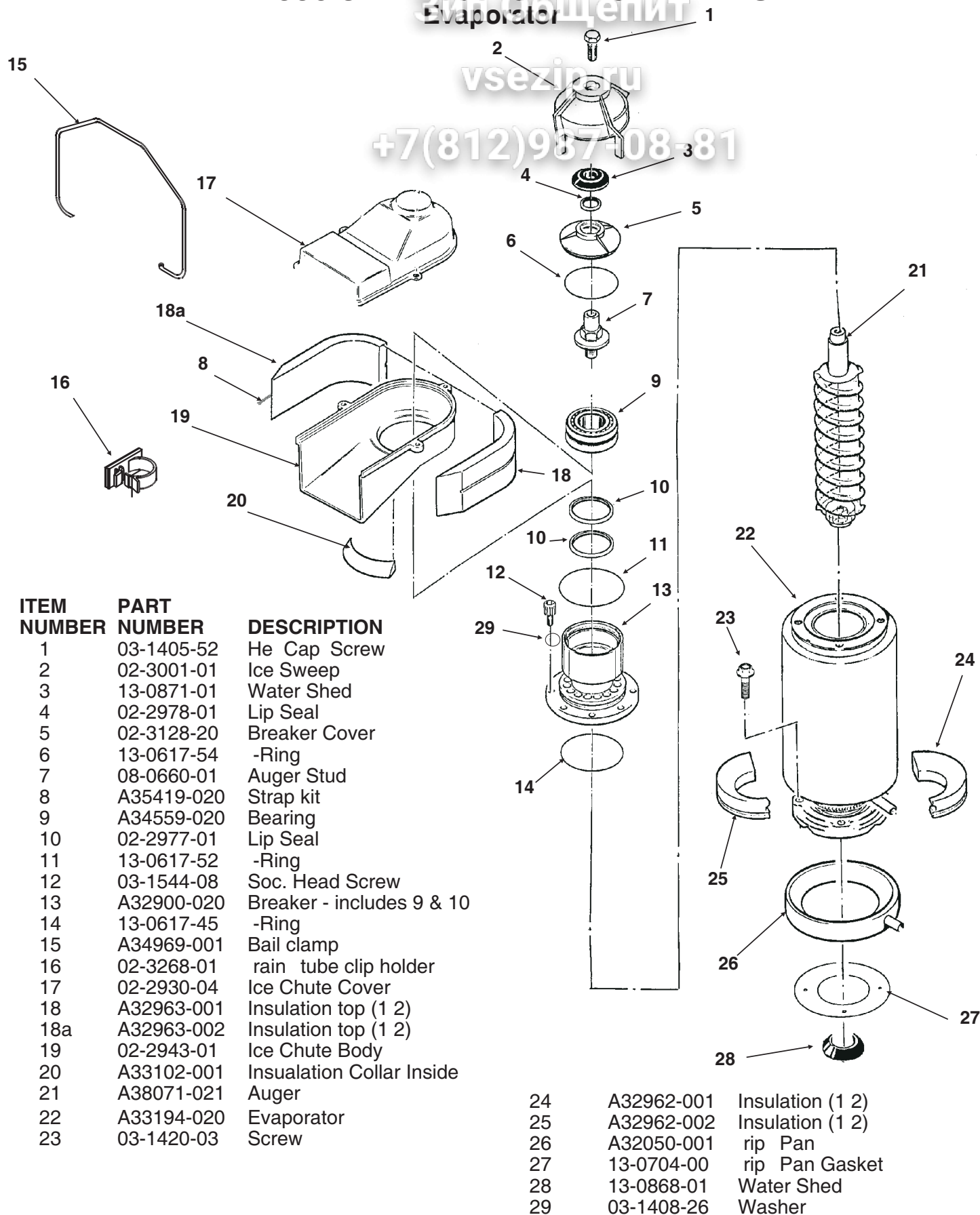
Ice Dispensing



ITEM NUMBER	PART NUMBER	DESCRIPTION
1	13-0866-01	Grommet, Bin Control
2	A34493-003	Bin top
3	03-0255-00	Wing nut
4	A34496-001	T E550 Storage Bin
	A34496-002	T E650 Storage Bin
5	03-1406-09	Hex nut
	03-1410-03	Lock washer
6	03-1531-01	Screw
7	A36053-001	Valve plate
8	12-2501-01	Switch (Touch Free off)
9	no number	Wires
10	A37710-021	Ice Level Sensor (set)

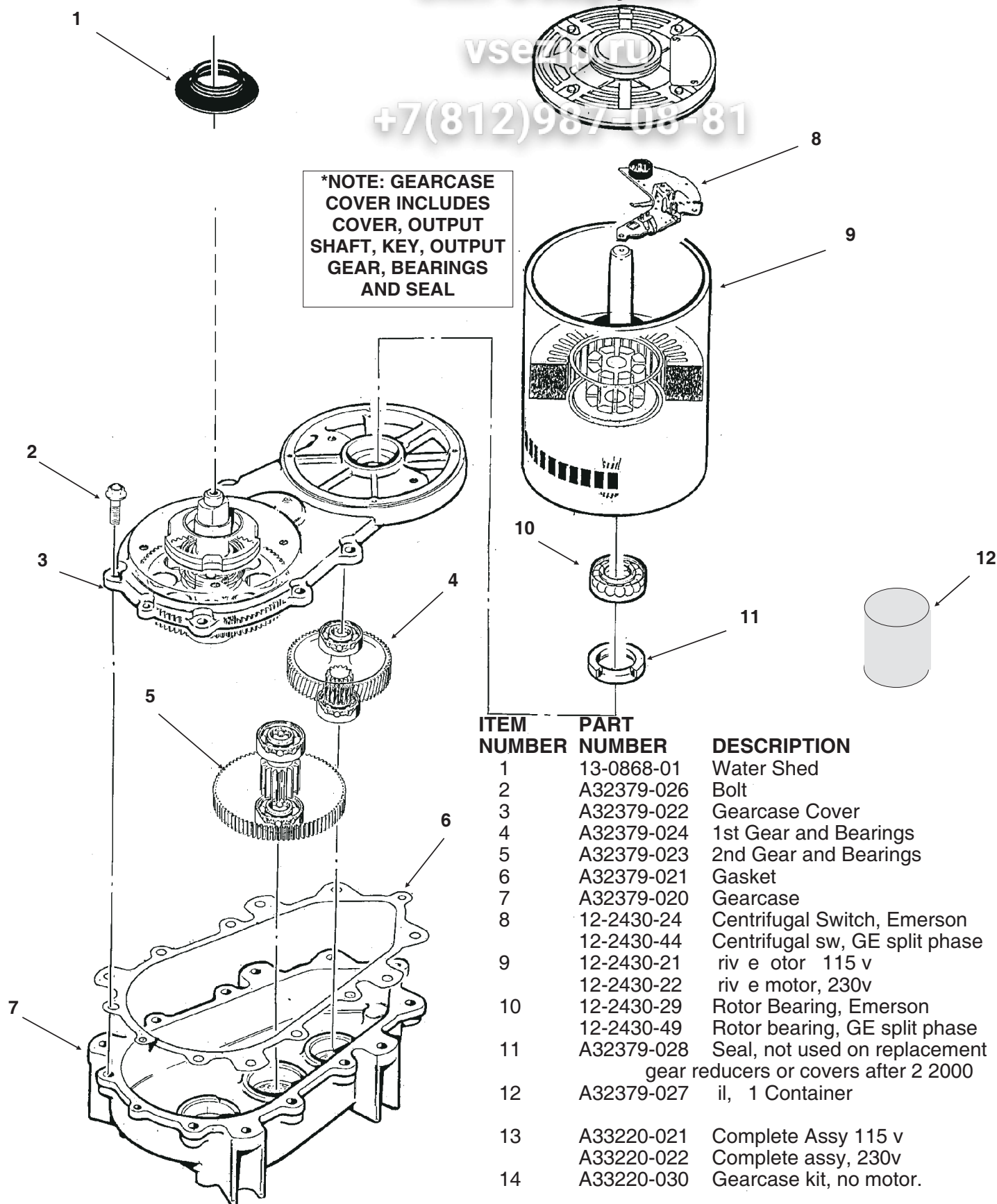
ITEM NUMBER	PART NUMBER	DESCRIPTION
11	A37268-001	T E550 Bin vane (inc. 12)
	A37267-001	T E650 Bin vane (inc. 12)
12	02-3327-01	Bearing
13	12-2677-21	Bin rivet motor (115v)
	12-2677-26	Bin rivet motor (230v)
14	02-1971-00	Bracket
15	13-0747-00	Water Shed
16	A32657-001	Bin Bottom

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Gearmotor Assembly

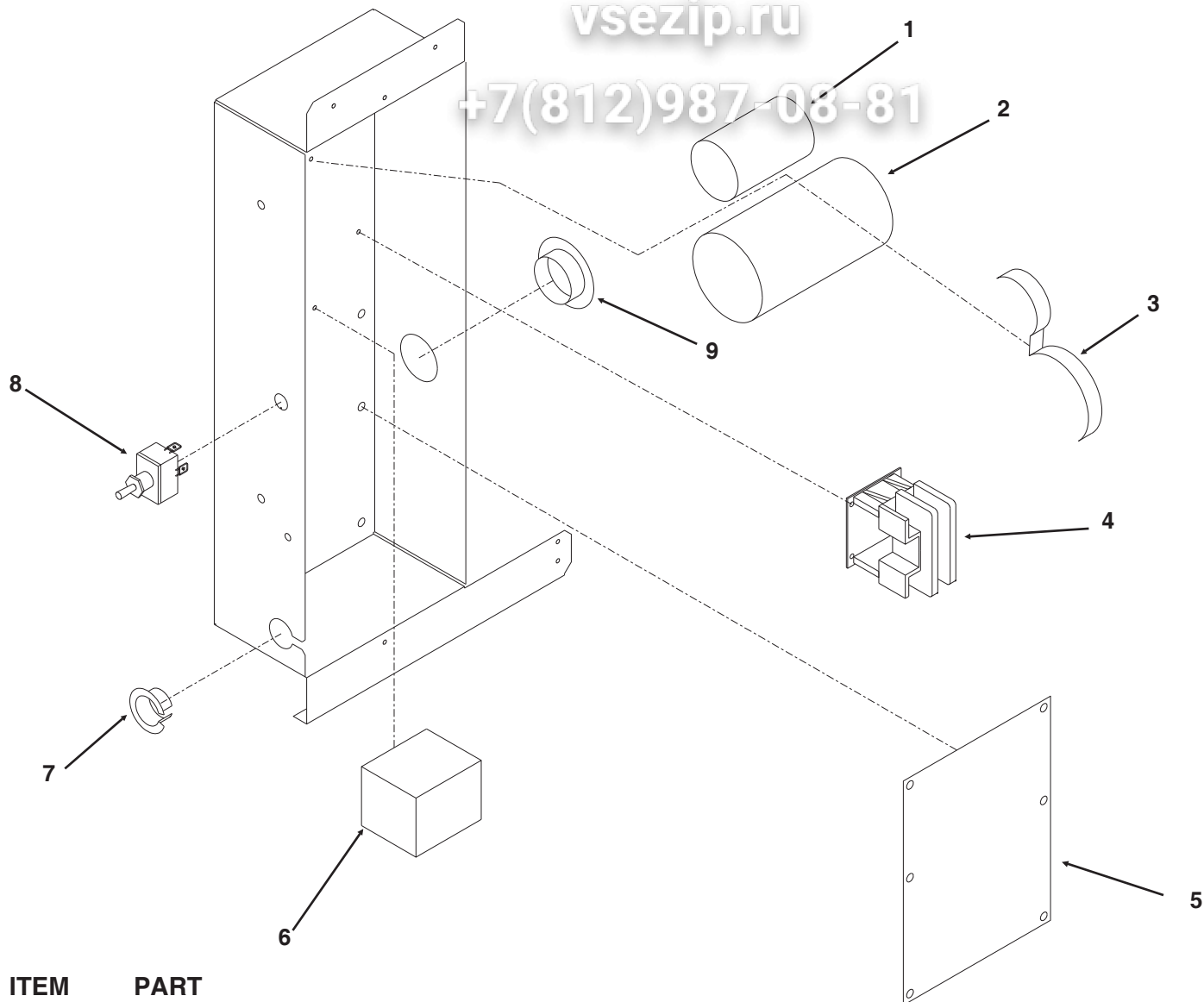


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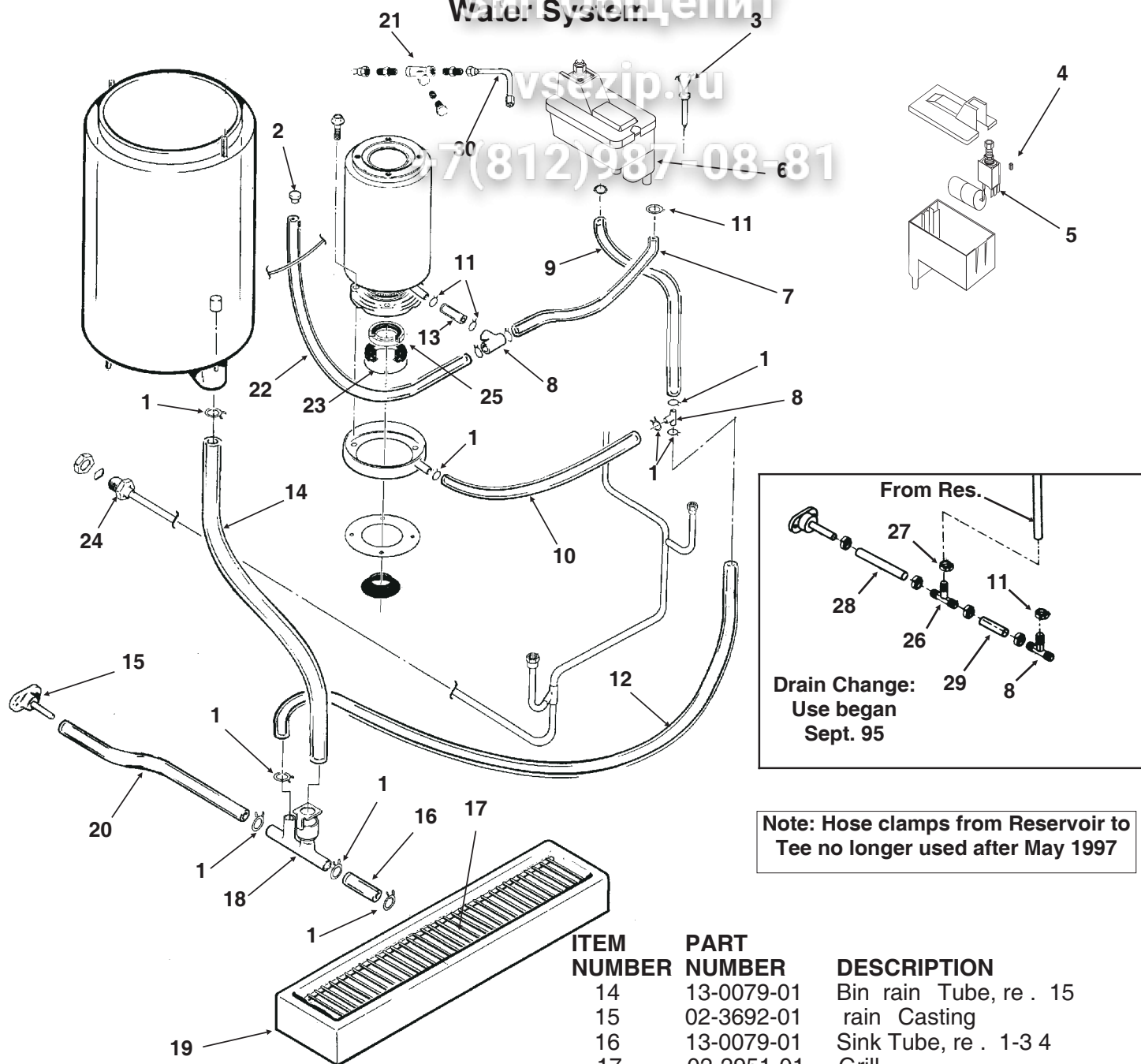
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ITEM NUMBER	PART NUMBER	DESCRIPTION
1	18-1902-52	Run capacitor, 115v, 60 H
2	18-1901-49	Start Capacitor, 115v 60 H
	18-2200-35	Start capacitor, 230v. 50 H
	18-2200-38	Cap for start capacitor
3	A36141-001	Capacitor strap
4	12-2469-03	Contactor, 115v, 60 H
	12-2469-02	Contactor, 230v, 50 H
5	12-2843-21	60 H (115v) circuit board
	12-2487-22	50 H (230v) circuit board
5a	12-2499-01	Standoff for circuit board
6	18-1903-44	Potential Relay, 115v, 60 H
	18-1903-48	Potential Relay, 230v, 50 H
7	12-1213-10	Bushing
8	12-0426-01	Switch
9	12-1213-12	Bushing
10	A36146-001	Control box cover (not shown)

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Water System

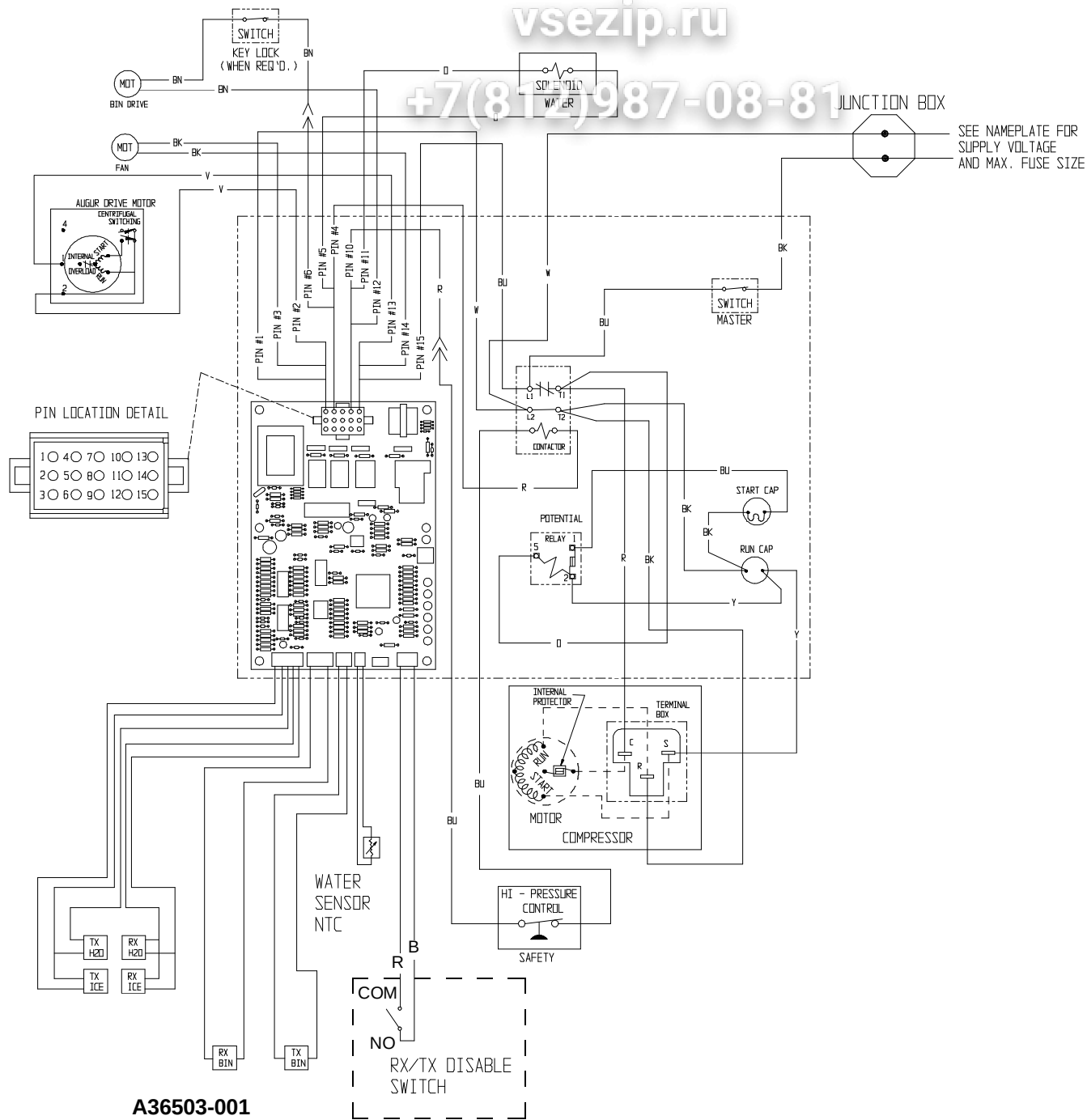


ITEM NUMBER	PART NUMBER	DESCRIPTION
1	02-2814-09	Clamp
2	13-0840-01	Plug
3	A33101-022	Water Level Sensor
4	02-3266-03	Plunger seat
5	02-3266-21	Float valve
6	02-3266-20	Reservoir Assy, complete
7	13-0674-06	Tubing, re uires 6
8	16-0670-01	Tee
9	13-0674-09	Tubing, re uires 4.5
10	13-0674-09	Tubing, re uires 4.5
11	02-2814-08	Clamp
12	13-0079-03	rain Tube, T E550 re . 39 T E650 re . 46
13	13-0674-06	Evap. Inlet Tube, re 5

ITEM NUMBER	PART NUMBER	DESCRIPTION
14	13-0079-01	Bin rain Tube, re . 15
15	02-3692-01	rain Casting
16	13-0079-01	Sink Tube, re . 1-3 4
17	02-2951-01	Grill
18	A36962-001	rain kit
19	02-2944-20	Sink
20	13-0079-01	rain Tube, re . 8
21	16-0162-00	Strainer - not used after 11 97
22	13-0674-09	rain Tube, re . 23
23	A32777-001	Retaining Ring
24	A27318-001	Inlet Fitting (only) for copper
	16-0835-01	Inlet fitting for plastic
	16-1039-01	ale connector
25	02-0929-23	Water Seal
26	16-0670-04	Tee
27	02-2814-07	Clamp
28	13-0679-01	rain tube 6.5 re .
29	13-0679-01	rain tube, 2.5 re .
30	13-0895-01	Plastic tubing, order by foot

TDE550 & TDE650 SERVICE PARTS

115/60/1 Wiring Diagram up to serial number: 879516-05M

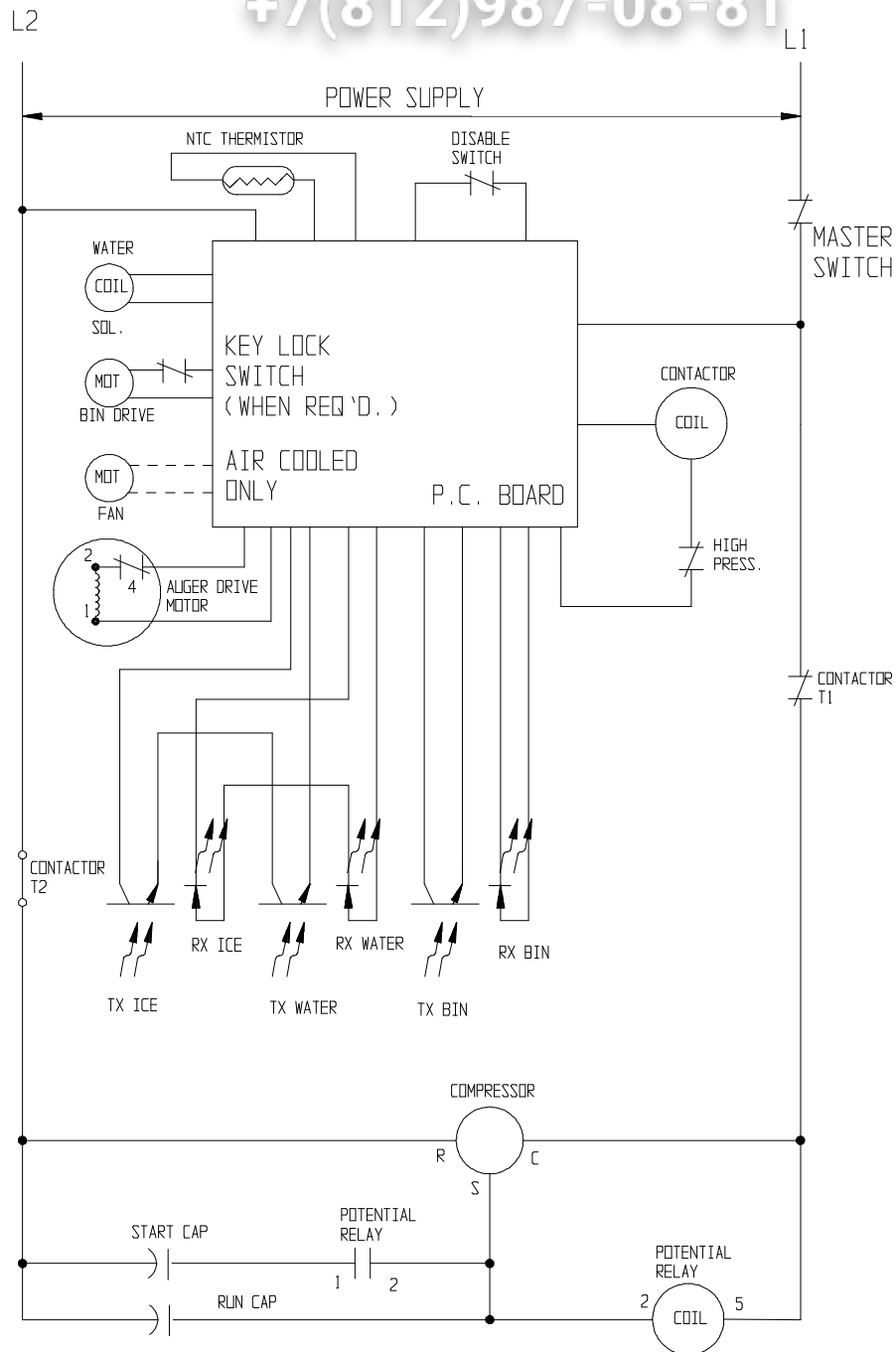


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115/60/1 Schematic Diagram up to serial number: 879516-05M

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ALL CONTROLS SHOWN IN NORMAL ICE
MAKING MODE WITH ALL DISPENSING
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Wiring Diagram for A36503-006

Key Components and Connections:

- Motors:**
 - BIN DRIVE (MOT)
 - FAN (MOT)
 - AUGUR DRIVE MOTOR (CENTRIFUGAL SWITCHING)
 - COMPRESSOR MOTOR (with INTERNAL PROTECTOR and TERMINAL BOX)
- Sensors and Controls:**
 - KEY LOCK (WHEN REQ'D.)
 - SOLENOID WATER
 - SWITCH MASTER
 - CONTACTOR
 - CURRENT RELAY
 - WATER SENSOR NTC
 - HT - PRESSURE CONTROL SAFETY
 - RX/TX DISABLE SWITCH
- Wiring Details:**
 - Supply voltage (V) and ground (BN) connections.
 - Control lines (PIN #1 to PIN #15) connecting the microcontroller to various components.
 - Relay and contactor wiring for motor control.
 - Safety and pressure control wiring.
- Pin Location Detail:**
 - 1 4 7 10 13
 - 2 5 8 11 14
 - 3 6 9 12 15
- Notes:**
 - SEE NAMEPLATE FOR SUPPLY VOLTAGE AND MAX. FUSE SIZE
 - COM NO

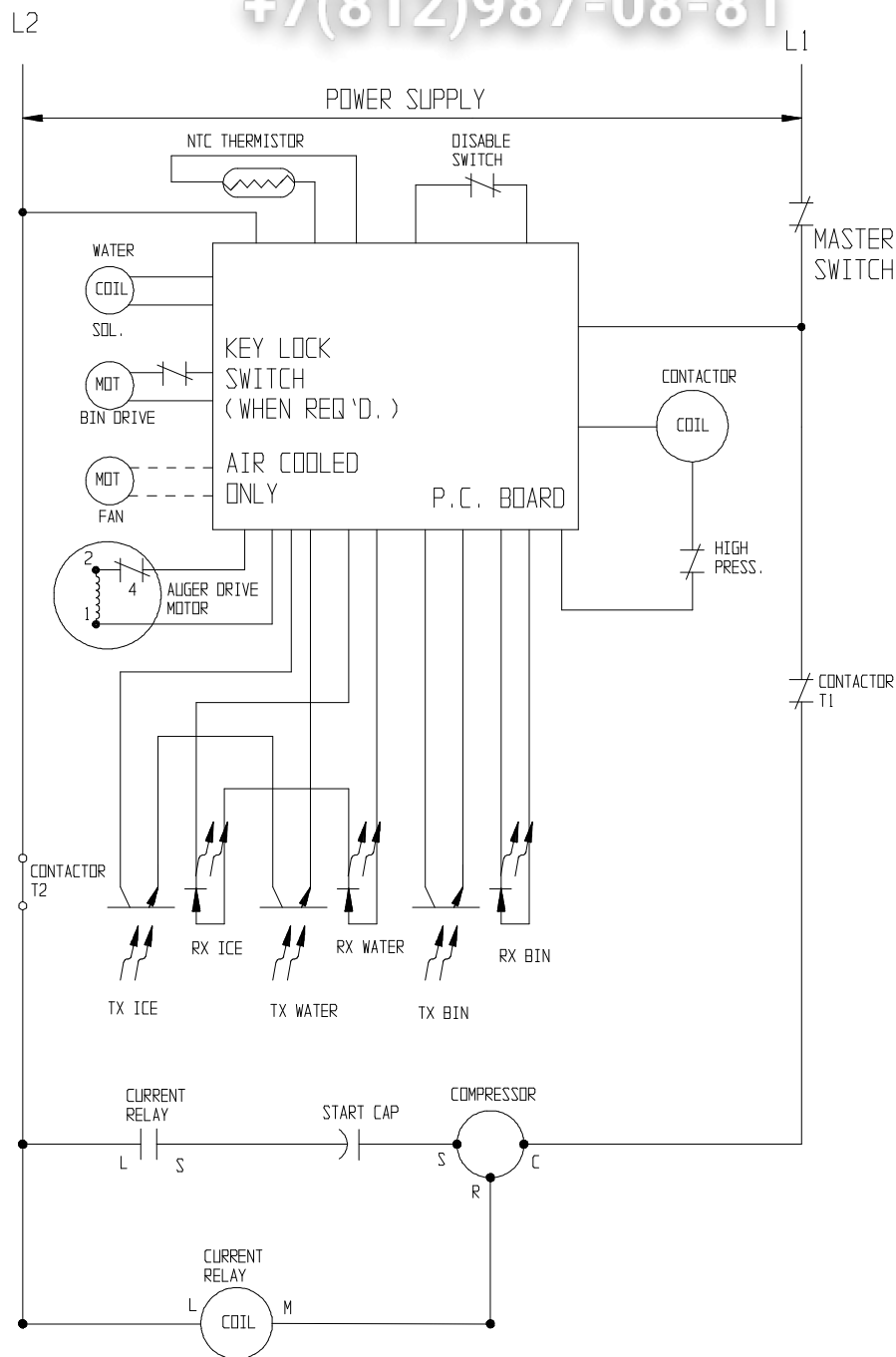
A36503-006

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230/50/1 Schematic Diagram up to serial number: 879516-05M

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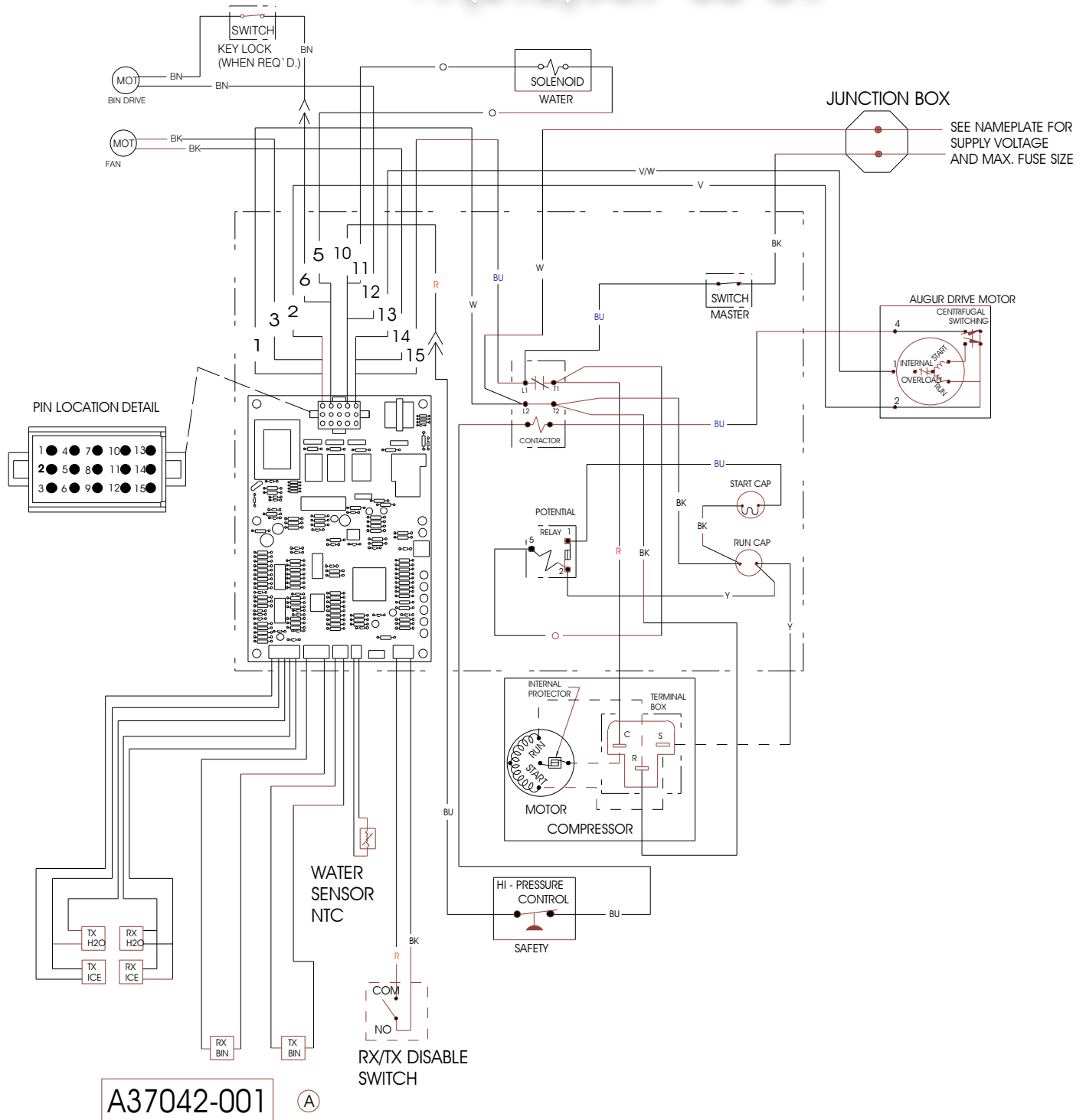
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115/60/1 Wiring Diagram after Serial number: 879516-05M

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DE650 SERVICE PARTS LIST

POWER SUPPLY



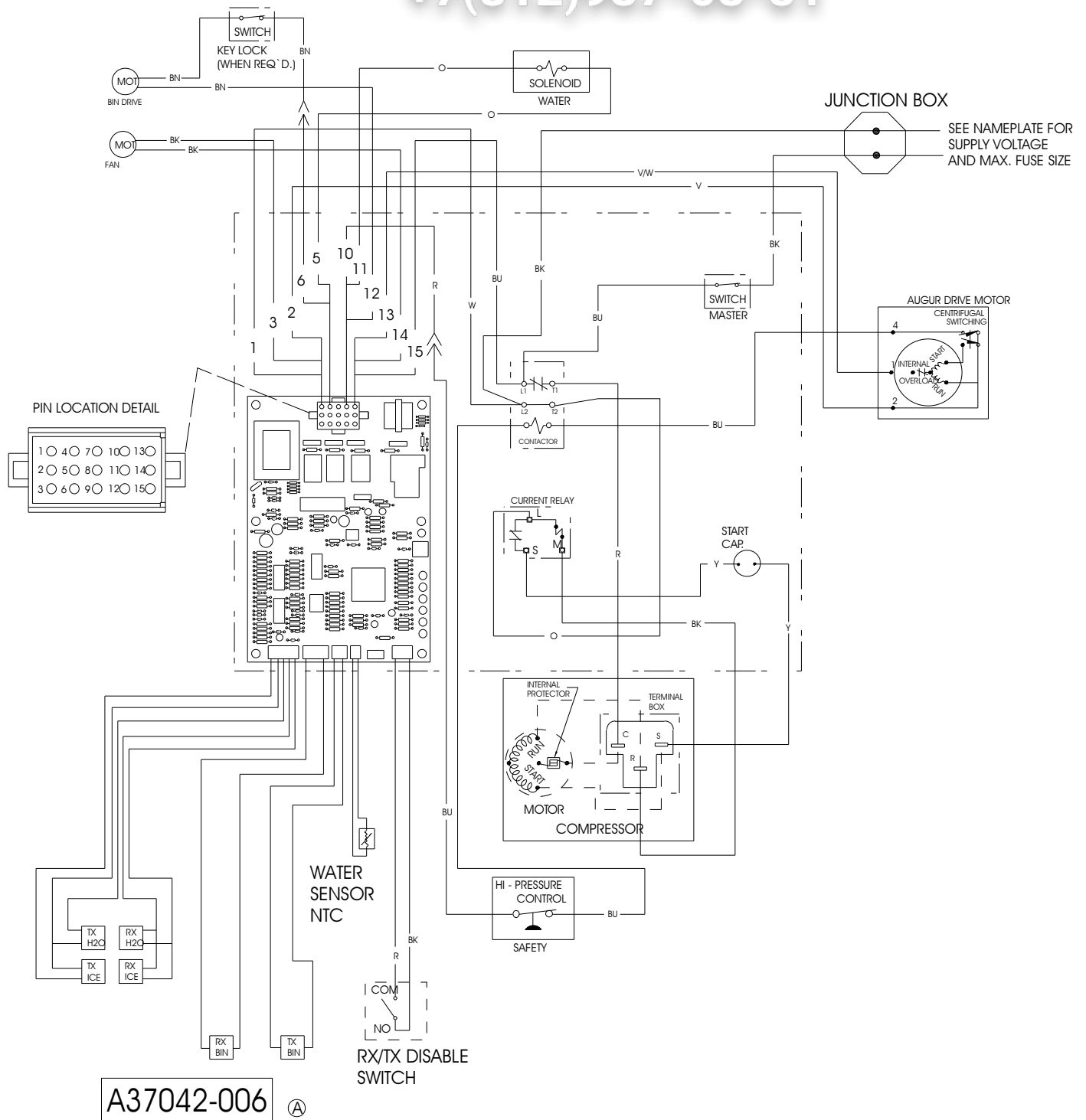
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230/50/1 Wiring Diagram after serial number: 879516-05M

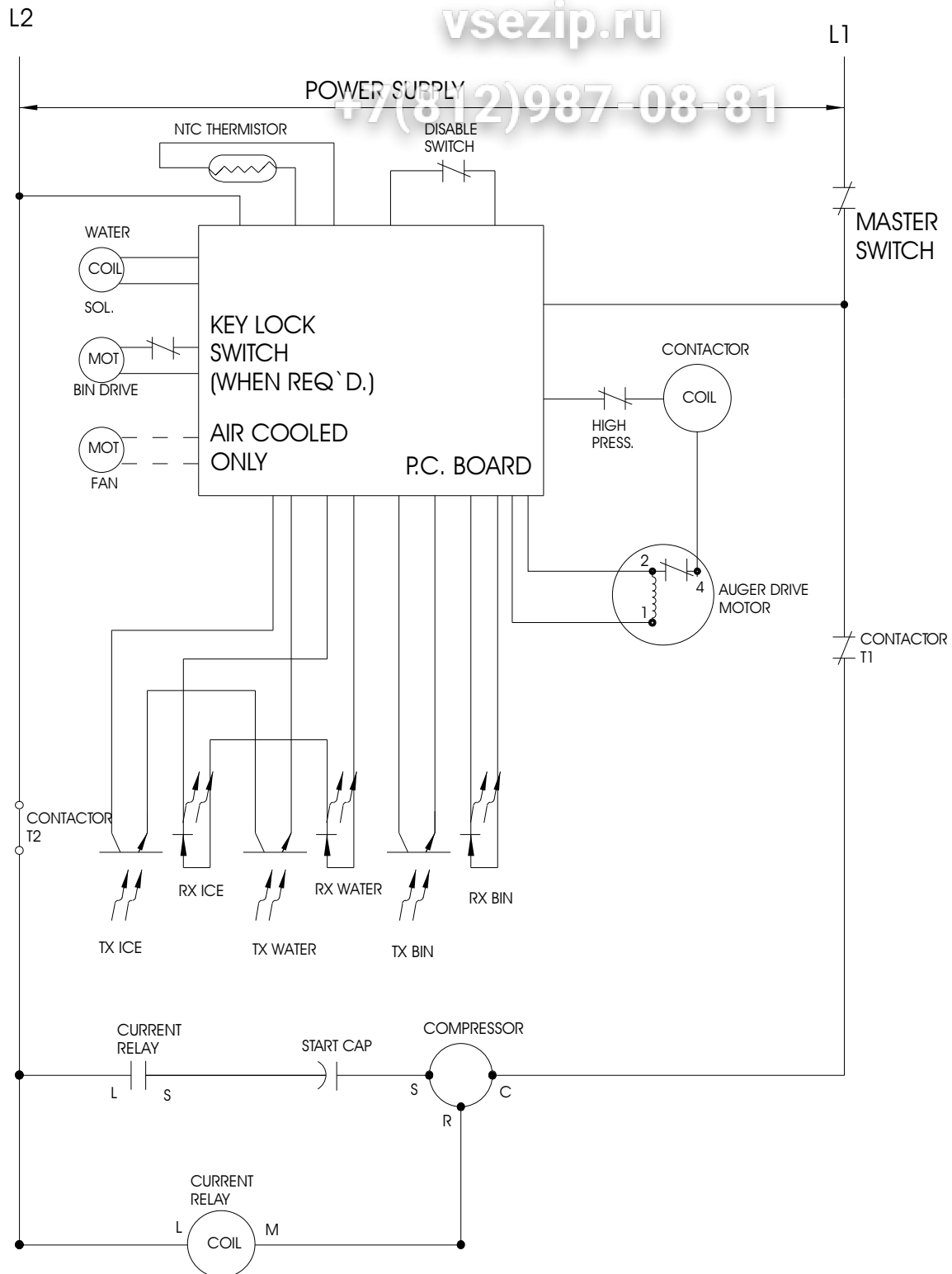
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230/50/1 Schematic Diagram after serial number: 879516-05M

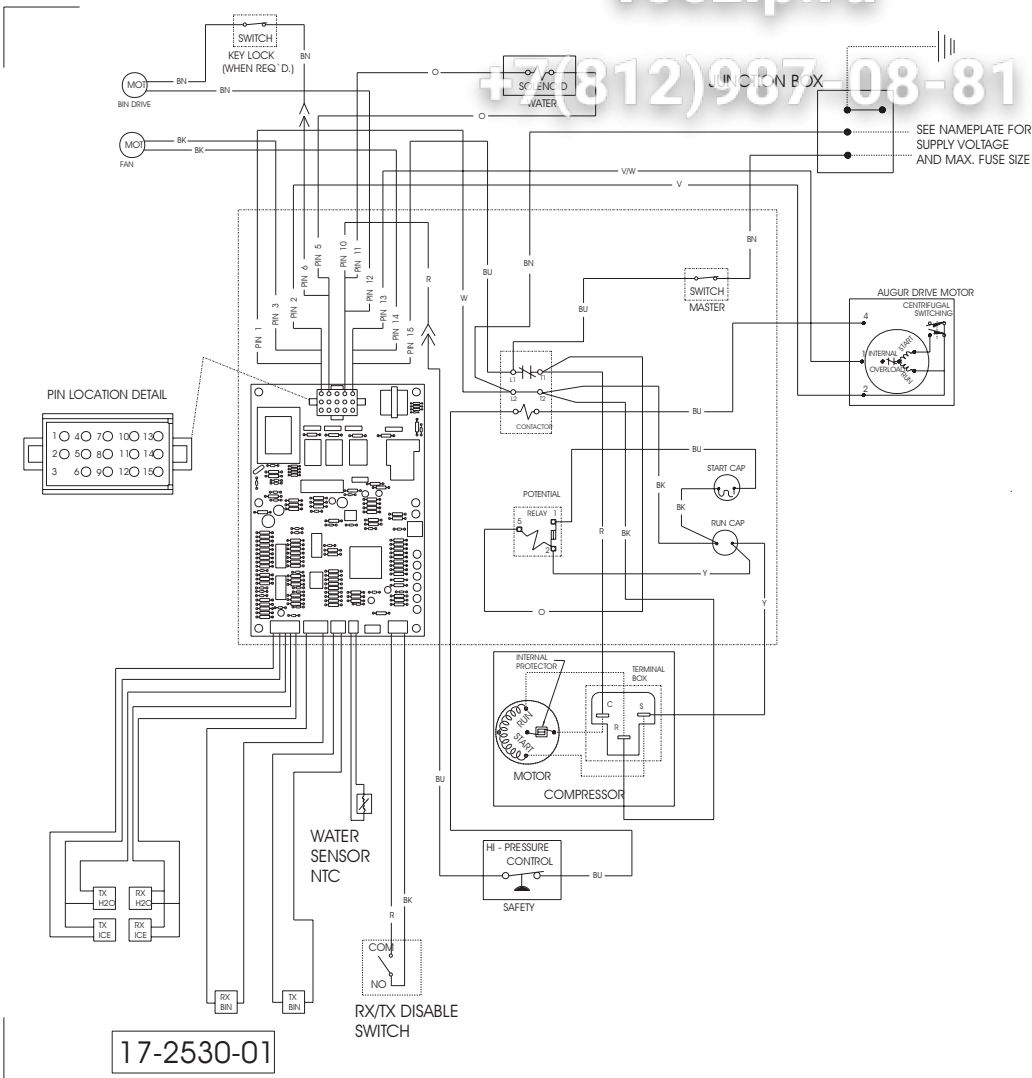


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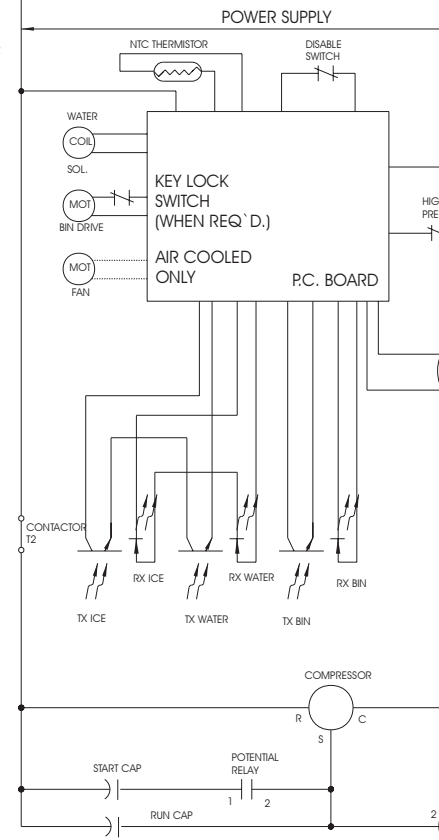
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