# N0422, F0522, N0622, F0822, N0922, F1222, N1322, F1522
# Service Parts

This is the illustrated service parts list for the N0422, F0522, N0622, F0822, N0922, F1222, N1322 and F1522 air cooled, water cooled or remote air cooled ice machine heads.

Several models are listed together, be sure to select the correct part based on the complete model number, including voltage.

Voltage codes:

- -1 = 115/60/1
- -32 = 208-230/60/1
- -3 = 208-230/60/3
- -6 = 230/50/1

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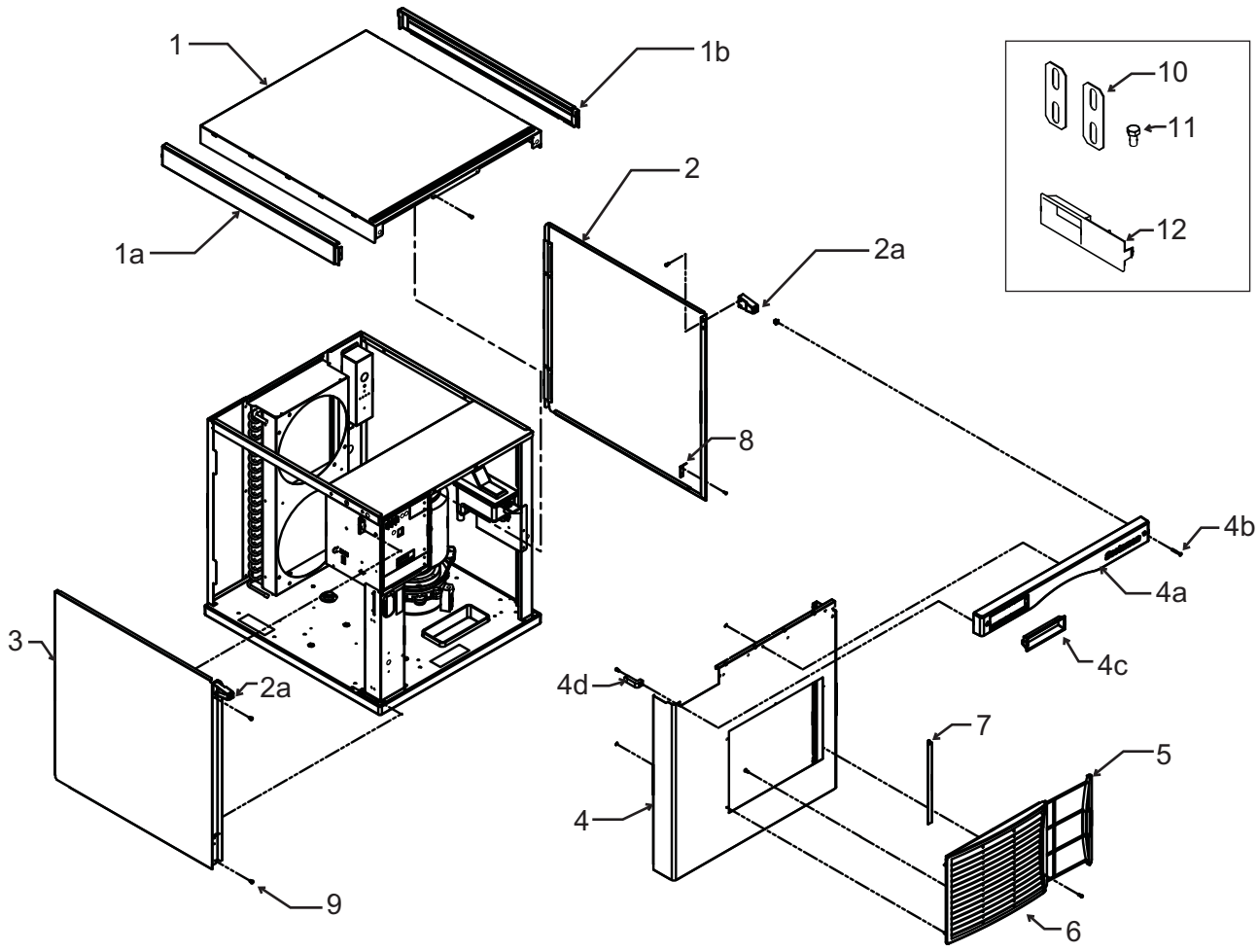
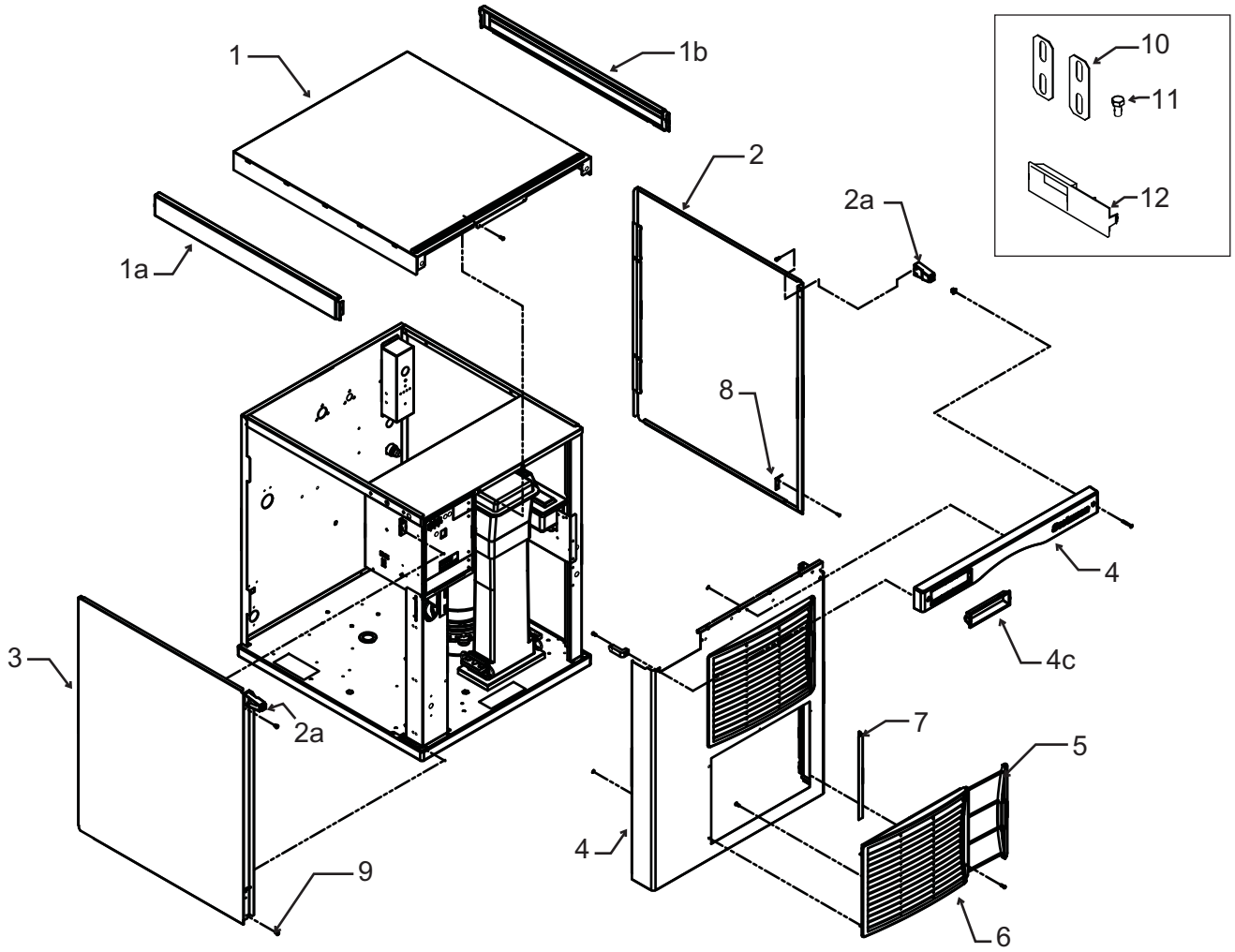
## Exterior, N0422, F0522, N0622, F0822



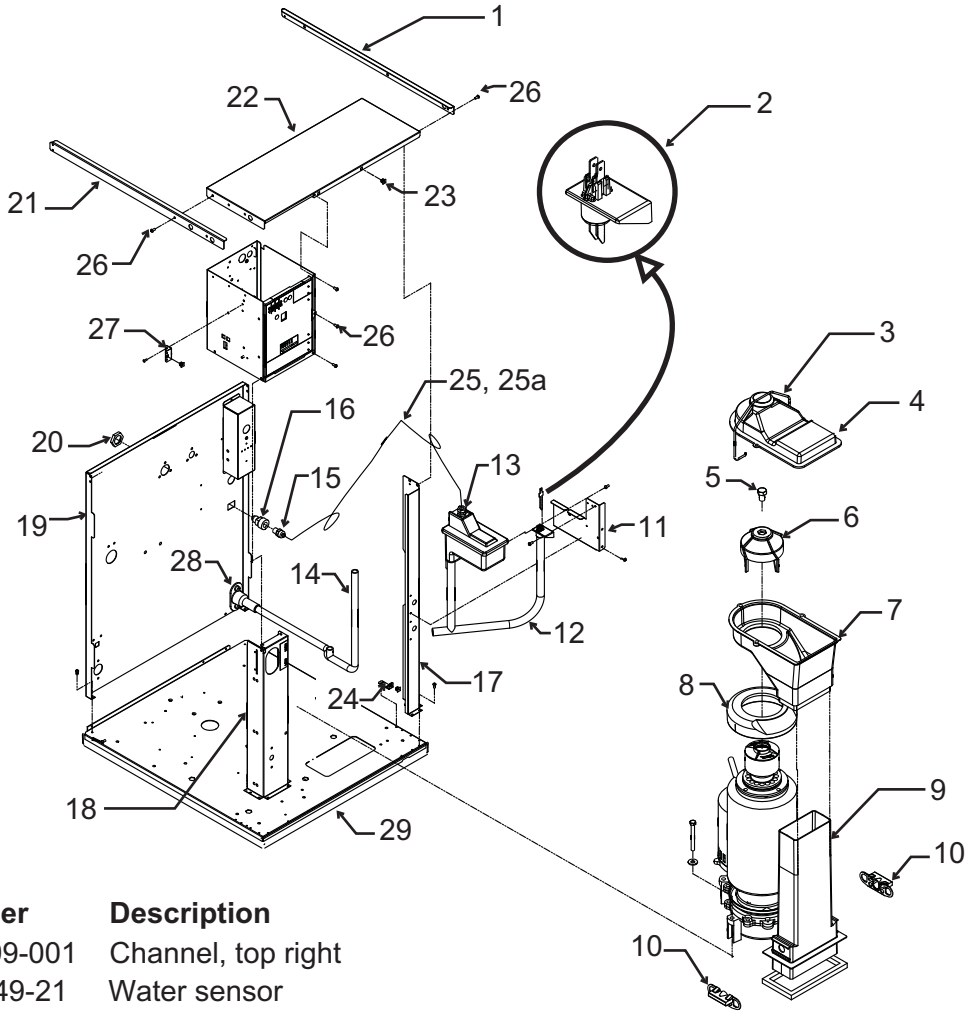

| Item Number | Part Number | Description |
|---|---|---|
| 1 | A39524-021 | Top panel, inc 1a, 1b |
| 1a | 02-4221-01 | Left trip strip |
| 1b | 02-4221-02 | Right trim strip |
| 2 | A39445-021 | Right side panel |
| 2a | 02-4215-01 | Screw receptacle |
| side panel includes items 2a and 8 | | |
| 3 | A39444-021 | Left side panel, AC |
| | A39444-022 | Left side panel, WC, RC |
| side panel includes items 2a and 8 | | |
| 4 | A39443-021 | Front panel, AC |
| front panel includes items 4a, 4b, 4c, 4d, 5, 6, 7 | | |
| | A39443-022 | Front panel, WC, RC |
| front panel includes 4a, 4b, 4c and 4d | | |
| 4a | 02-4214-01 | Trim strip |
| 4b | 03-1735-03 | Screw |
| 4c | 02-4284-01 | Bezel |
| 4d | 02-4216-01 | Gusset |
| 5 | 02-4212-01 | Air filter |
| 6 | 02-4224-01 | Louver bracket |
| 7 | A39238-001 | Filter bracket |
| 8 | A39571-001 | Clip |
| 9 | 03-1404-12 | Screw |
| 10 | A30911-015 | Machine straps |
| 11 | 03-1405-15 | Screw |
| 12 | 02-4284-02 | Bezel, partial window |

## Exterior, N0922, F1222, N1322, F1522




| Item Number | Part Number | Description |
|---|---|---|
| 1 | A39524-021 | Top panel, inc 1a, 1b |
| 1a | 02-4221-01 | Left trip strip |
| 1b | 02-4221-02 | Right trim strip |
| 2 | A39445-022 | Right side panel |
| 2a | 02-4215-01 | Screw receptacle |
| side panel includes items 2a and 8 | | |
| 3 | A39444-023 | Left side panel, AC |
| | A39444-024 | Left side panel, WC, RC |
| side panel includes items 2a and 8 | | |
| 4 | A39443-023 | Front panel, AC |
| front panel includes items 4a, 4b, 4c, 4d, 5, 6, 7 | | |
| | A39443-024 | Front panel, WC, RC |
| front panel includes 4a, 4b, 4c and 4d | | |
| 4a | 02-4214-01 | Trim strip |
| 4b | 03-1735-03 | Screw |
| 4c | 02-4284-01 | Bezel |
| 4d | 02-4216-01 | Gusset |
| 5 | 02-4212-01 | Air filter |
| 6 | 02-4224-01 | Louver bracket |
| 7 | A39238-001 | Filter bracket |
| 8 | A39571-001 | Clip |
| 9 | 03-1404-12 | Screw |
| 10 | A30911-015 | Machine straps |
| 11 | 03-1405-15 | Screw |
| 12 | 02-4284-02 | Bezel, partial window |

## Interior Cabinet, Water, and Chute Systems

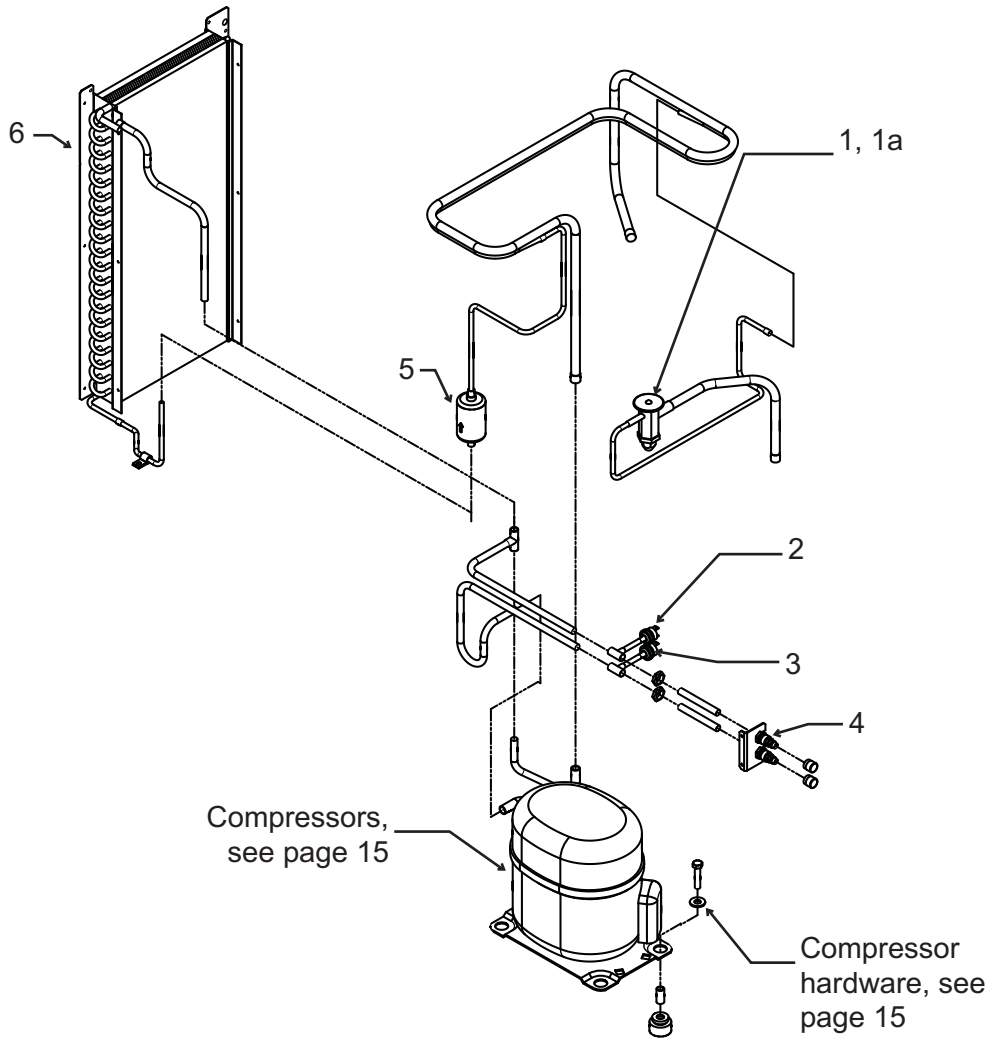



| Item Number | Part Number | Description |
|---|---|---|
| 1 | A39199-001 | Channel, top right |
| 2 | 02-4449-21 | Water sensor |
| 3 | A34969-001 | Bail clamp |
| 4 | 02-2930-04 | Chute cover |
| 5 | 03-1405-52 | Cap screw |
| 6 | 02-3001-01 | Ice sweep |
| 7 | 02-3841-01 | Ice chute |
| 8 | 13-0929-01 | Insulation collar, flakers |
| | 13-0929-02 | Insulation collar, nuggets |
| 9 | 02-2929-03 | Ice chute lower* |
| | 02-2929-04 | Ice chute lower** |
| 10 | A37708-021 | Bin control set (2) |
| 11 | A39200-001 | Reservoir bracket |
| 12 | A39336-001 | Evaporator inlet hose* |
| | 02-4338-01 | Evaporator inlet hose** |
| 13 | 02-3371-01 | Water reservoir & valve |
| 13a | 02-3371-02 | Float and arm only |
| 13b | 02-3266-03 | Plunger/seat only |
| 14 | A39310-001 | Drain hose* |
| | 02-4339-01 | Drain hose** |
| 15 | 16-1039-01 | Connector, male |
| 16 | 16-0835-01 | Flare fitting, male |
| 17 | A39201-001 | Post, right front * |
| | A39182-001 | Post, right front ** |
| 18 | A39196-001 | Post, control box* |
| | A39184-001 | Post, control box** |
| 19 | A39191-001 | Back panel, WC, RC* |
| | A39194-001 | Back panel, WC, RC** |
| 20 | 03-1394-01 | Pal nut |
| 21 | A39185-001 | Channel, top left |
| 22 | A39181-001 | Control box cover |
| 23 | 03-3804-01 | Receptacle |
| 24 | A38732-001 | Panel mount |
| 25 | 13-0895-01 | Tubing, order 3 |
| 25a | 16-0871-01 | Brass insert, at float valve |
| 26 | 03-1531-01 | Screw |
| 27 | A39025-001 | Bracket |
| 28 | 02-3692-21 | Drain fitting |
| 29 | 02-4524-21 | Base, fits Tecumseh |
| | 02-4524-22 | Base, fits Copeland |

* for N0422, F0522, N0622, F0822

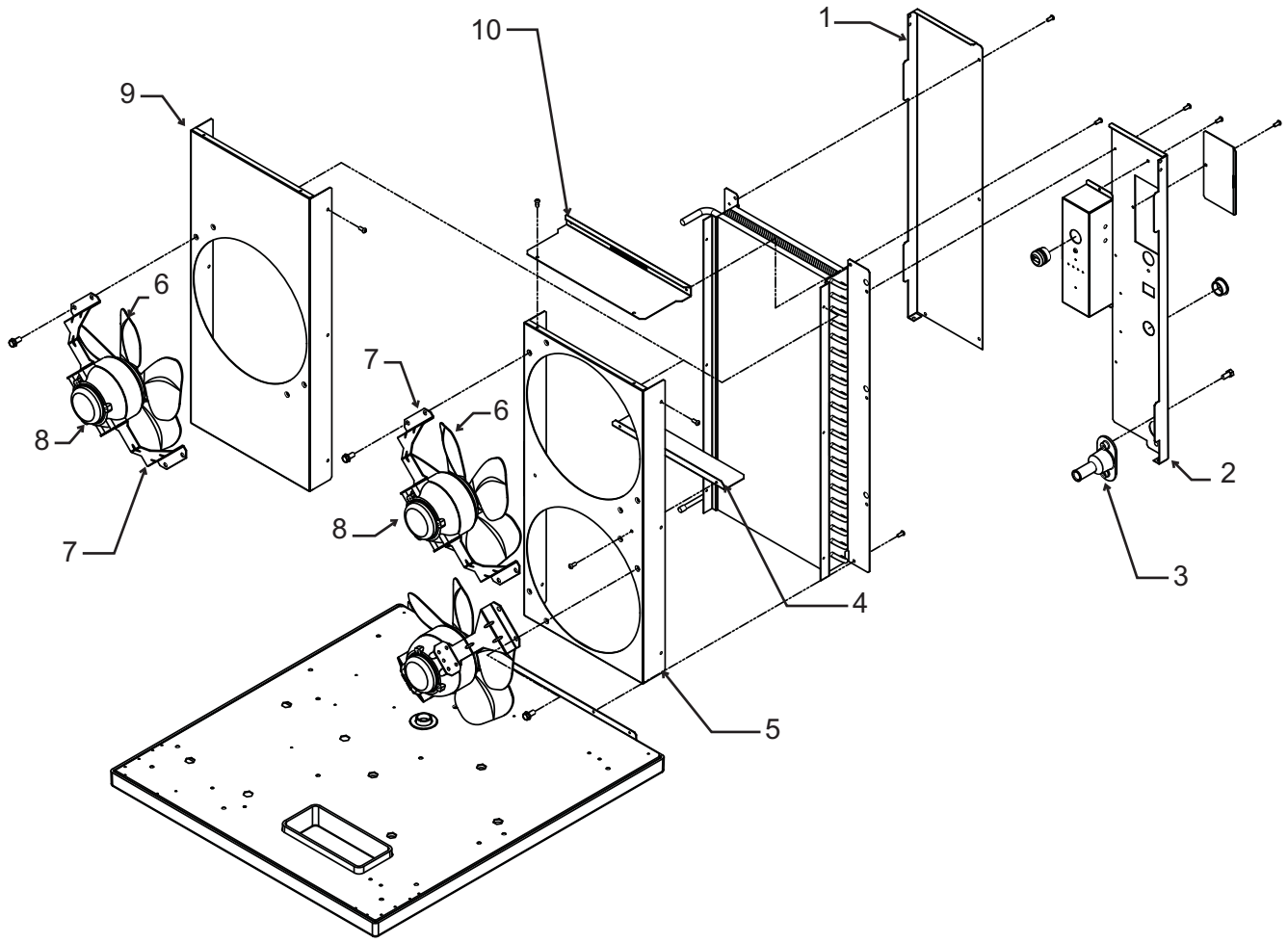
** for N0922, F1222, N1322, F1522

## Refrigeration Condensing, Air Cooled



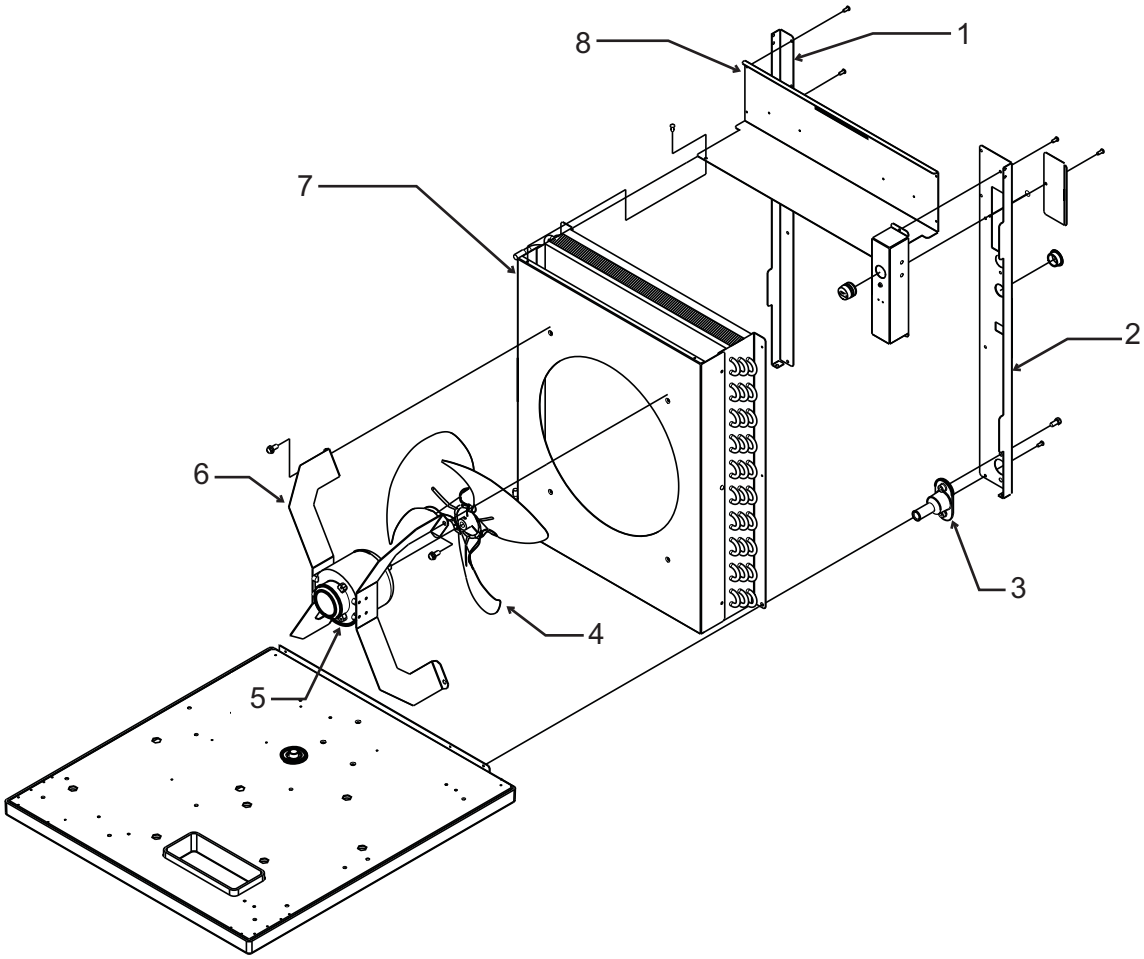

| Item Number | Part Number | Description |
|---|---|---|
| 1 | 16-1144-21 | TXV, N0422, F0522 |
| | 16-1144-22 | TXV, N0622, F0822 |
| | 16-1144-24 | TXV, N0922, F1222 |
| | 16-1144-23 | TXV, N1322, F1522 |
| 1a | 02-4406-01 | Insulation, TXV |
| 2 | 11-0501-22 | High pressure cut out sw |
| 3 | 11-0502-21 | Low pressure cut out sw |
| 4 | 16-1137-01 | Access valve seat |
| 4a | 16-1139-01 | Access valve core |
| 4b | 16-1140-01 | Access valve cap |
| 5 | 02-3319-01 | Filter dryer |
| 6 | 18-8890-01 | Air cooled condenser, fits N0422, F0522, N0622, F0822 |
| | 18-8935-01 | Air cooled condenser, fits N0922, F1222, |
| | 18-8936-01 | Air cooled condenser, fits N1322, F1522 |

## Condenser Fan Motor System - N0422, F0522, N0622, F0822



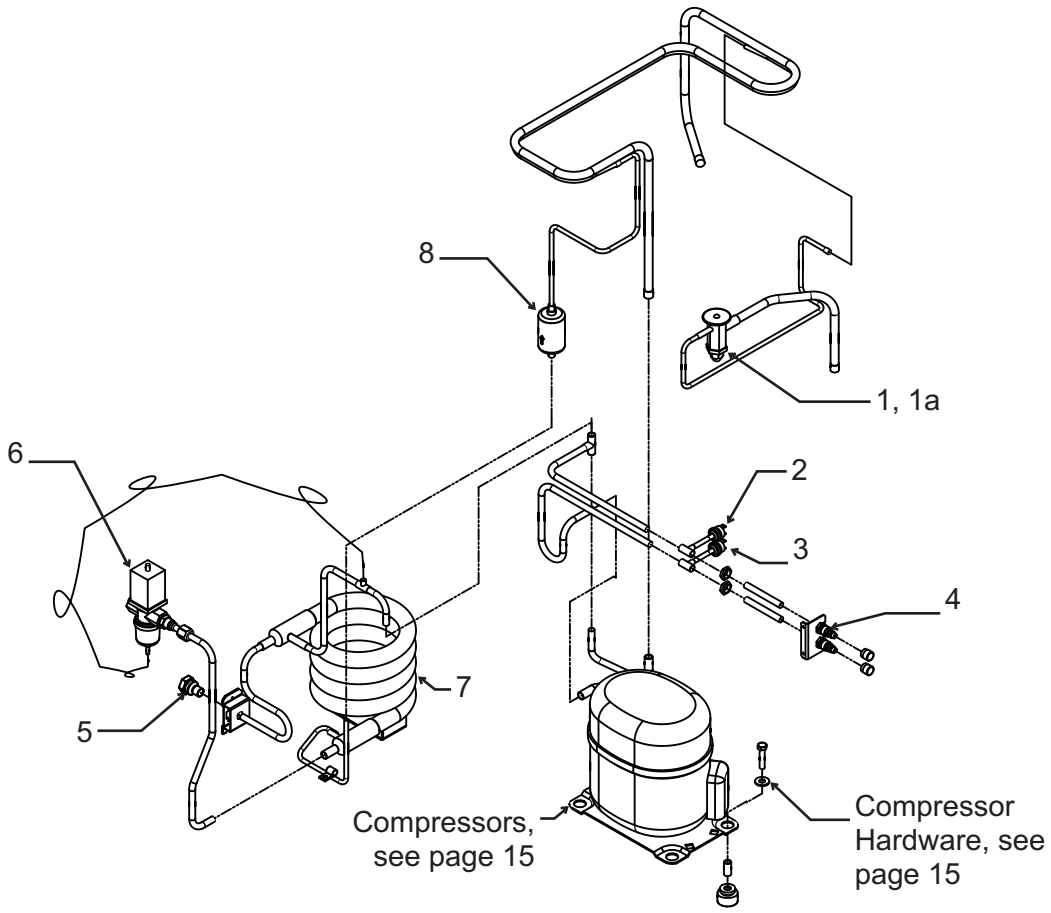

| Item Number | Part Number | Description |
|---|---|---|
| 1 | A39186-001 | Condenser flange |
| 2 | A39187-001 | Condenser flange |
| 3 | 02-3692-21 | Drain fitting |
| 4 | A38675-001 | Shroud divider |
| 5 | A39351-001 | Shroud, N0622, F0822 |
| 6 | 18-8836-01 | Fan blade |
| 7 | A38480-001 | Bracket, fan motor |
| 8 | 12-1681-03 | Fan motor, 115 volt |
| | 12-1681-04 | Fan motor, 208-230 volt/50 or 60 Hz |
| 9 | A39350-001 | Shroud, N0422, F0522 |
| 10 | A39352-001 | Shroud top |

## Condenser Fan Motor System, N0922, F1222, N1322, F1522



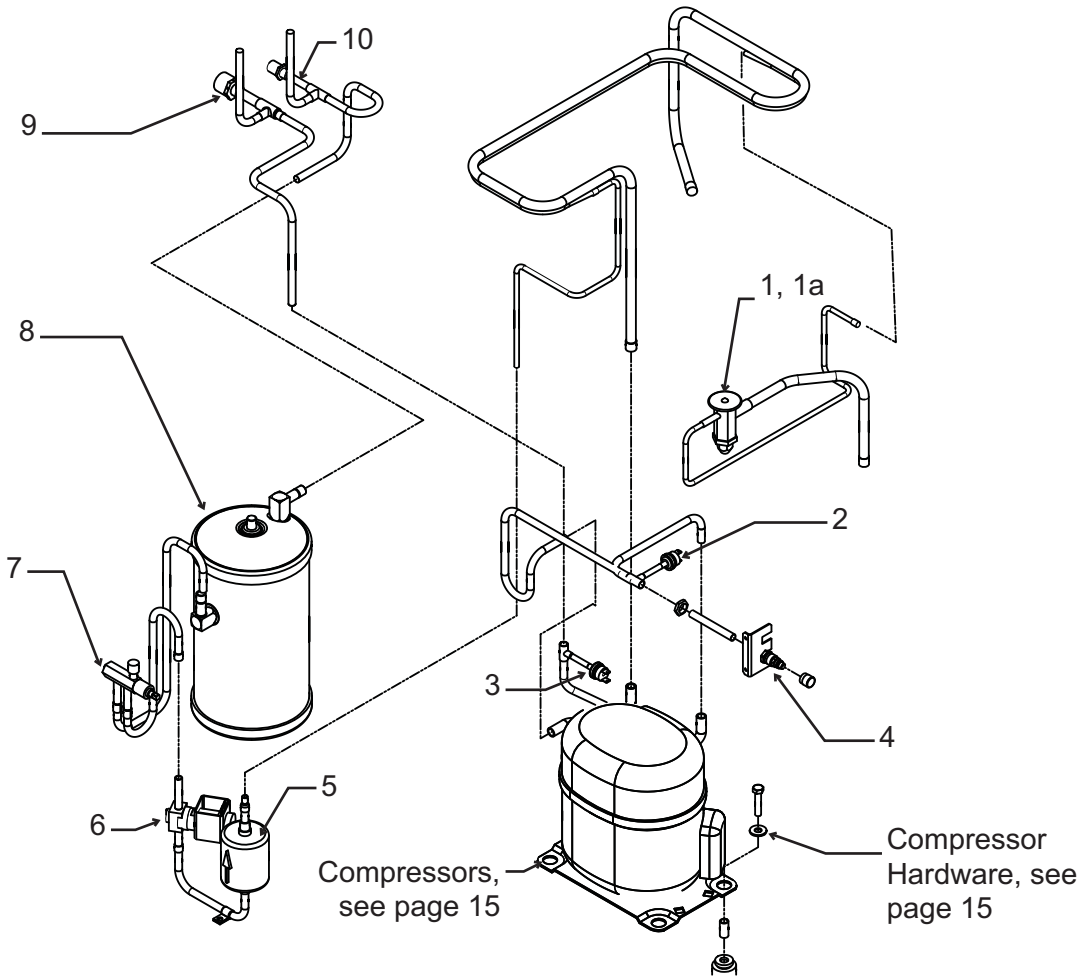

| Item Number | Part Number | Description |
|---|---|---|
| 1 | A39188-001 | Condenser flange |
| 2 | A39189-001 | Condenser flange |
| 3 | 02-3692-21 | Drain fitting |
| 4 | 18-8882-01 | Fan blade |
| 5 | 18-8927-01 | Fan motor |
| 6 | A39203-001 | Bracket, fan motor |
| 7 | A39193-001 | Shroud |
| 8 | A39353-001 | Shroud top |

## Refrigeration Condensing, Water Cooled



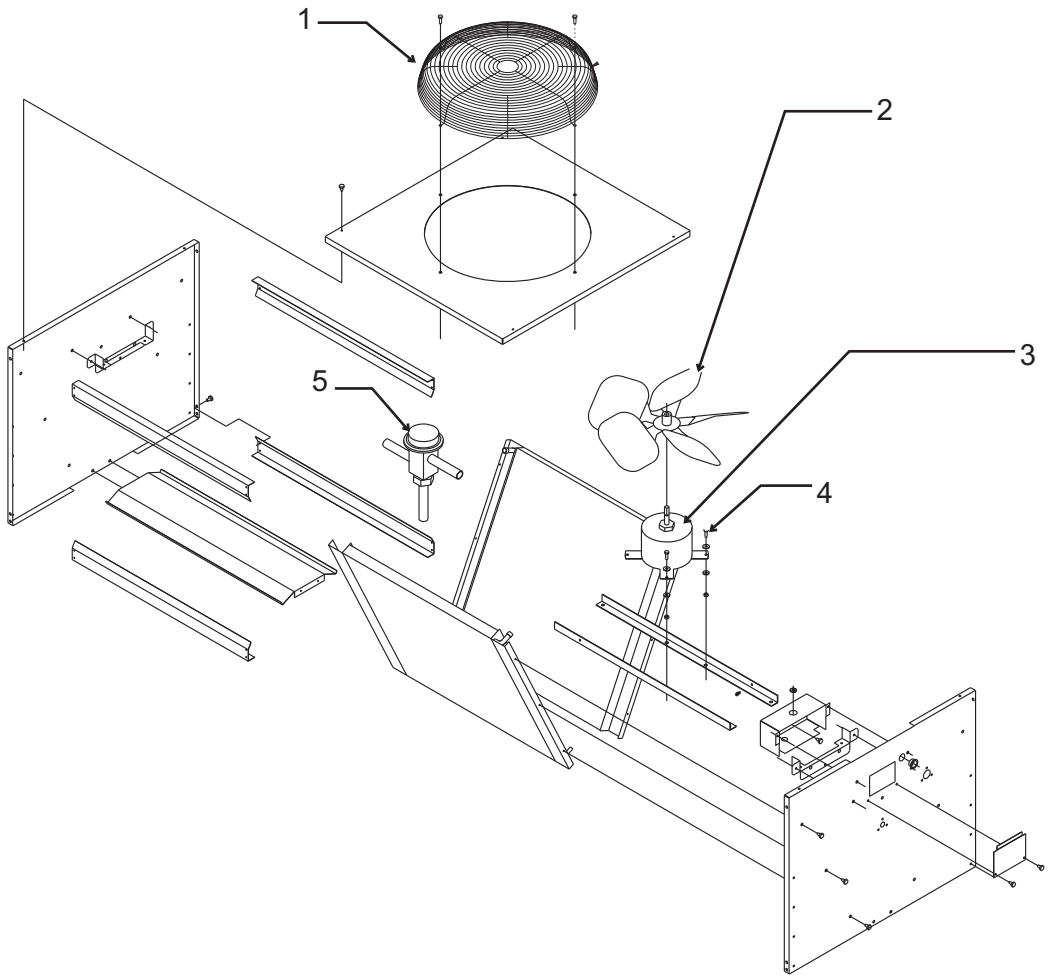

| Item Number | Part Number | Description |
|---|---|---|
| 1 | 16-1144-21 | TXV, N0422, F0522 |
| | 16-1144-22 | TXV, N0622, F0822 |
| | 16-1144-24 | TXV, N0922, F1222 |
| | 16-1144-23 | TXV, N1322, F1522 |
| 1a | 02-4406-01 | Insulation, TXV |
| 2 | 11-0501-22 | High pressure cut out sw |
| 3 | 11-0502-21 | Low pressure cut out sw |
| 4 | 16-1137-01 | Access valve seat |
| 4a | 16-1139-01 | Access valve core |
| 4b | 16-1140-01 | Access valve cap |
| 5 | 16-1154-22 | Condenser drain fitting |
| 6 | 11-0478-01 | Water regulating valve |
| 7 | 18-8871-21 | Condenser, water cooled fits N0422, F0522, N0622, F0822, N0922, F1222 |
| | 18-8893-21 | Condenser, water cooled fits N1322 and F1522 |
| | 16-0874-01 | Receiver, not shown, fits F1222W or N0922W |
| 8 | 02-3319-02 | Filter dryer |

## Refrigeration Condensing, Remote Cooled




| Item Number | Part Number | Description |
|---|---|---|
| 1 | 16-1144-22 | TXV, N0622, F0822 |
| | 16-1144-24 | TXV, N0922, F1222 |
| | 16-1144-23 | TXV, N1322, F1522 |
| 1a | 02-4406-01 | Insulation, TXV |
| 2 | 11-0502-21 | Low pressure cut out sw |
| 3 | 11-0501-22 | High pressure cut out sw |
| 4 | 16-1137-01 | Access valve seat |
| 4a | 16-1139-01 | Access valve core |
| 4b | 16-1140-01 | Access valve cap |
| 5 | 02-3319-02 | Filter dryer |
| 6 | 11-0493-01 | Liquid line solenoid valve, 208-230 volt, 50/60 Hz |
| | 12-2719-22 | 230 volt coil |
| | 11-0493-02 | Liquid line solenoid valve, 115 volt |
| | 12-2719-21 | 115 volt coil |
| | 12-2733-30 | LLV/HGV rebuild kit |
| 7 | 16-1030-01 | Receiver outlet valve |
| 8 | 16-1176-01 | Receiver |
| 8a | A37211-001 | Bracket, receiver top |
| 8b | A37212-001 | Bracket, receiver bottom |
| 9 | 16-0850-01 | Discharge quick connect |
| 10 | 16-0850-03 | Liquid quick connect |

## Remote Condenser - ERC111 or ERC311

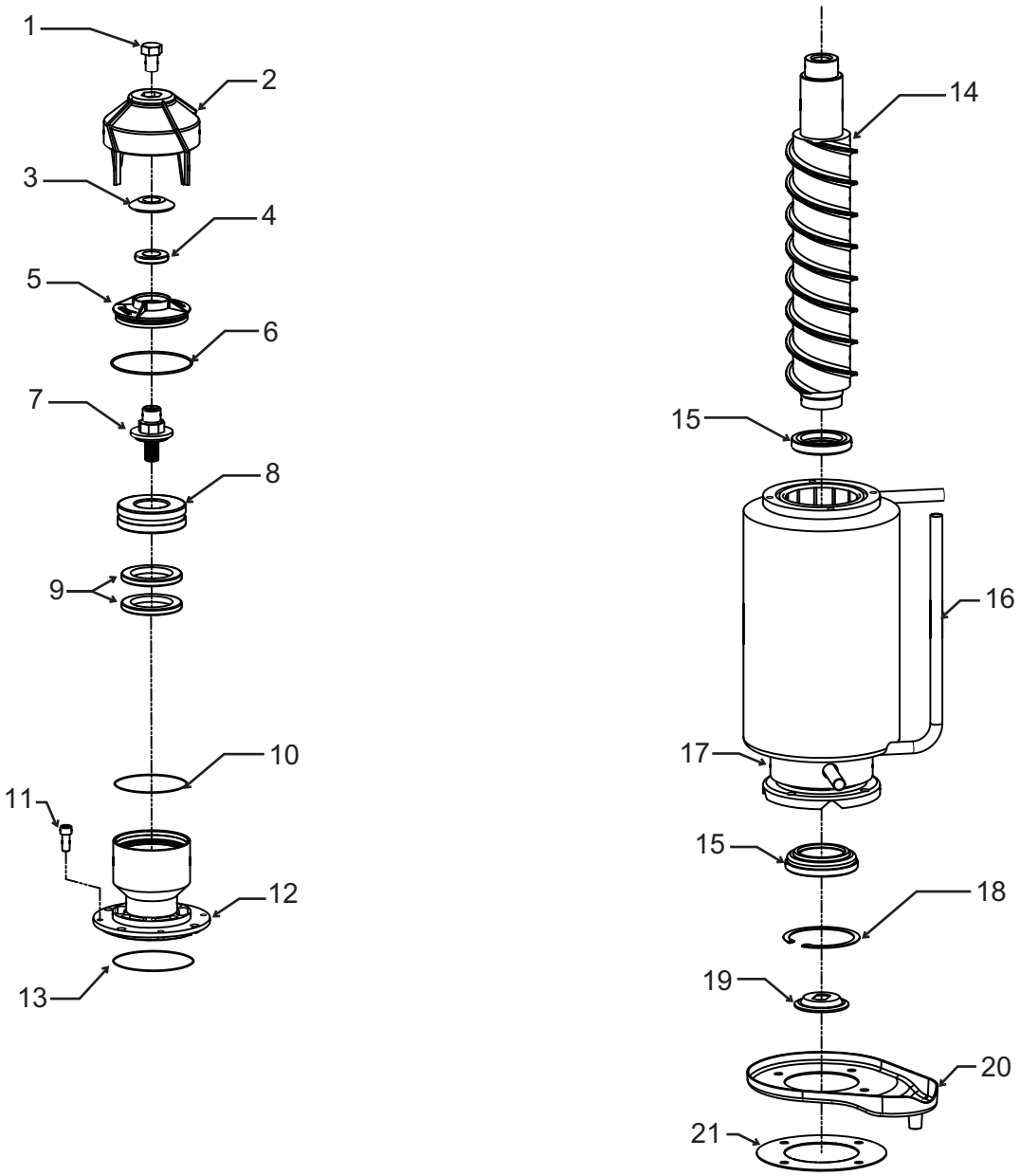



| Item Number | Part Number | Description |
|---|---|---|
| 1 | 02-3575-01 | Fan guard |
| 2 | 18-8816-01 | Fan blade |
| 3 | 12-2651-01 | Fan motor - ERC311 (208-230 volt) |
| | 12-2651-02 | Fan motor - ERC111 (115 volt) |
| 4 | 03-1405-08 | Screw |
| 5 | 16-1044-01 | Headmaster |

Not shown:

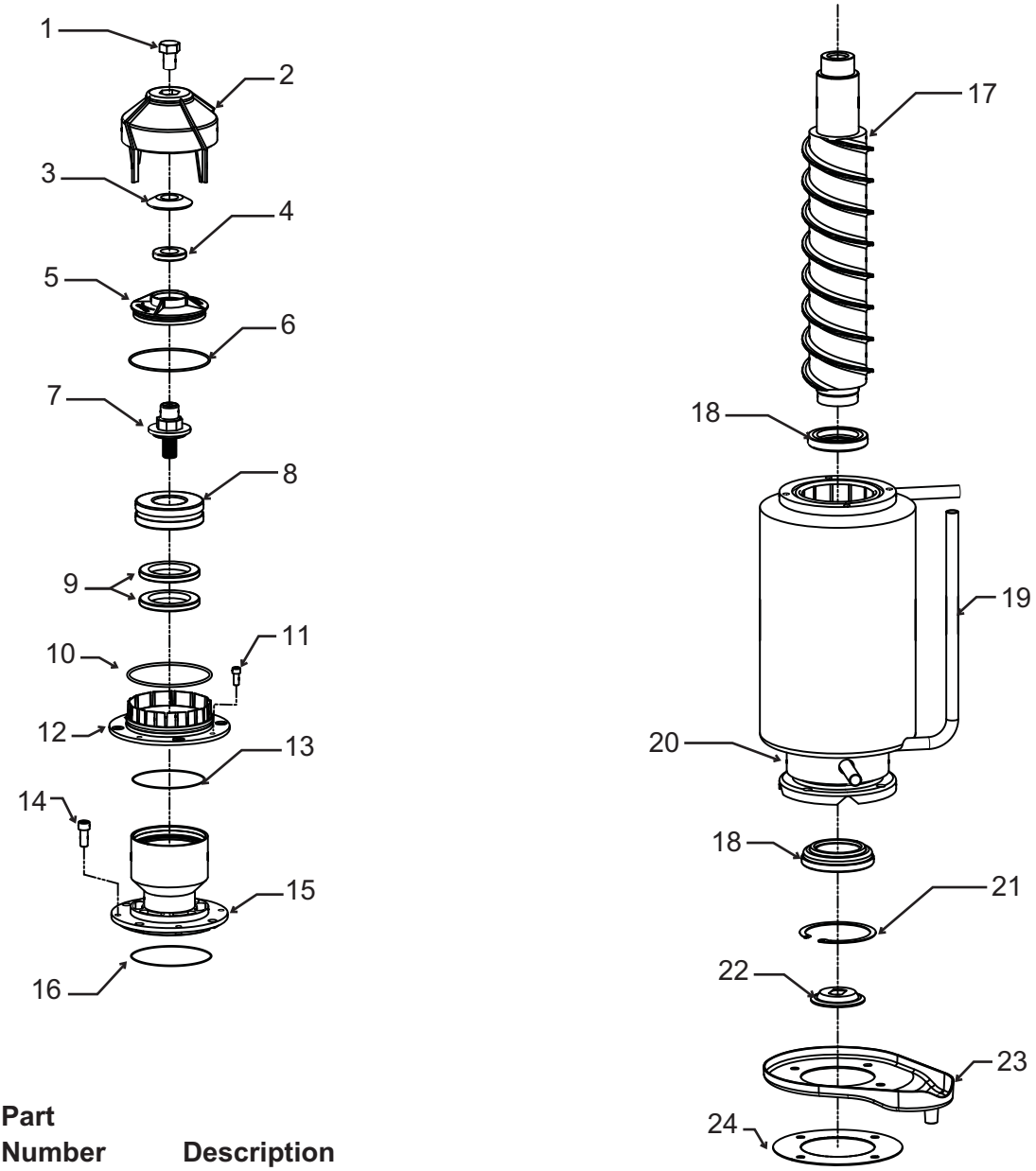
| | | |
|---|---|---|
| NS1 | A37169-001 | Leg |
| NS2 | A37170-001 | Leg brace |
| NS3 | 03-1645-01 | Screw for legs |
| NS4 | 16-0850-01 | Quick disconnect, discharge |
| NS5 | 16-0850-03 | Quick disconnect, liquid |
| NS6 | 16-1057-01 | Line set tube end, discharge |
| NS7 | 16-1057-02 | Line set tube end, liquid |

## Nugget Evaporator System, N0422, N0622, N0922, N1322



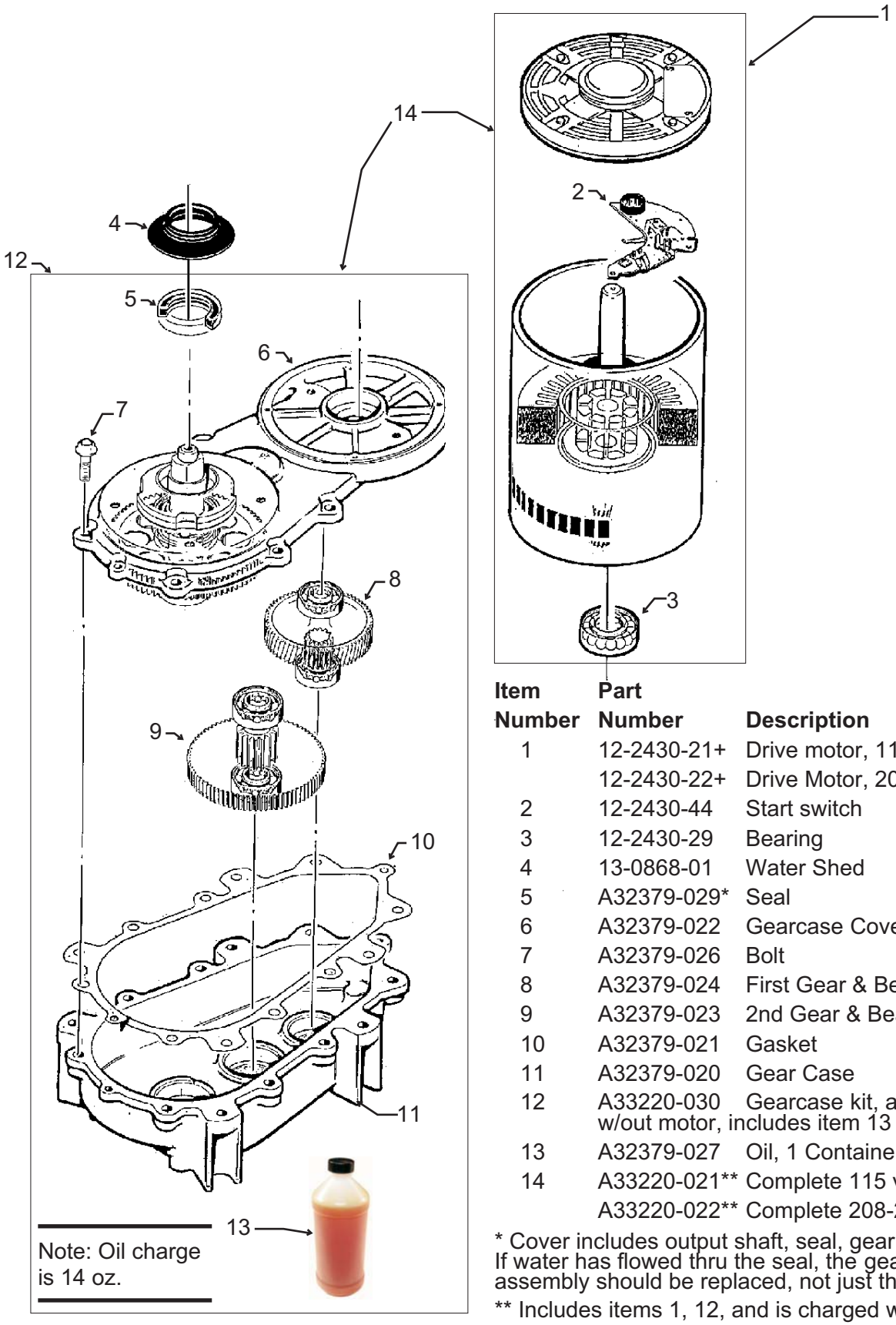

| Item Number | Part Number | Description |
|---|---|---|
| 1 | 03-1405-52 | Cap screw |
| 2 | 02-3001-01 | Ice sweep |
| 3 | 13-0871-01 | Water shed |
| 4 | 02-2978-01 | Lip seal |
| 5 | 02-3128-20 | Cover, includes item 4 |
| 6 | 13-0617-54 | O-ring |
| 7 | 08-0660-01 | Auger stud |
| 8 | A34559-020 | Bearing |
| 9 | 02-2977-01 | Lip seal |
| 10 | 13-0617-52 | O-ring - to chute |
| 11 | 03-1544-08 | Screw, socket head |
| 12 | A32900-020 | Nugget breaker assembly, includes items 3,4,5,6,8,9 and 13 |
| 13 | 13-0617-45 | O-ring |
| 14 | A38071-021 | Auger, N0422, N0622 |
| | A38071-022 | Auger, N0922, N1322 |
| 15 | 02-0929-23 | Water seal |
| 16 | 02-4350-21 | Evaporator, N0422, N0622 |
| | 02-4352-21 | Evaporator, N0922, N1322 |
| 16a | 03-1405-41 | Cap screw to gear box |
| 17 | 02-4358-01 | Collar |
| 18 | A32777-001 | Retaining ring |
| 19 | 13-0868-01 | Water shed |
| 20 | 02-3837-01 | Drip pan |
| 21 | 13-0704-00 | Gasket |

## Evaporator System, Flakers F0522, F0822, F1222, F1522




| Item Number | Part Number | Description |
|---|---|---|
| 1 | 03-1405-52 | Cap screw |
| 2 | 02-3001-01 | Ice sweep |
| 3 | 13-0871-01 | Water shed |
| 4 | 02-2978-01 | Lip seal |
| 5 | 02-3128-20 | Cover, includes item 4 |
| 6 | 13-0617-54 | O-ring |
| 7 | 08-0660-01 | Auger stud |
| 8 | A34559-020 | Bearing |
| 9 | 02-2977-01 | Lip seal |
| 10 | 16-0617-52 | O-ring, to chute |
| 11 | 03-1403-27 | Screw |
| 12 | 02-2916-01 | Slotted collar |
| 13 | 13-0617-49 | O-ring, under slotted collar |
| 14 | 03-1544-08 | Screw, socket head |
| 15 | A34505-020 | Flaker breaker assembly, includes items 3,4,5,6,8,9, and 16 |
| 16 | 03-0617-45 | O-ring |
| 17 | A38071-021 | Auger, F0522, F0822 |
| | A38071-022 | Auger, F1222, F1522 |
| 18 | 02-0929-23 | Water seal |
| 19 | 02-4350-21 | Evaporator, F0522, F0822 |
| | 02-4352-21 | Evaporator, F1222, F1522 |
| 19a | 03-1405-41 | Cap screw to gear box |
| 20 | 02-4358-01 | Collar |
| 21 | A32777-001 | Retaining ring |
| 22 | 13-0868-01 | Water shed |
| 23 | 02-3837-01 | Drip pan |
| 24 | 13-0704-00 | Gasket |

## Gear Reducer and Motor

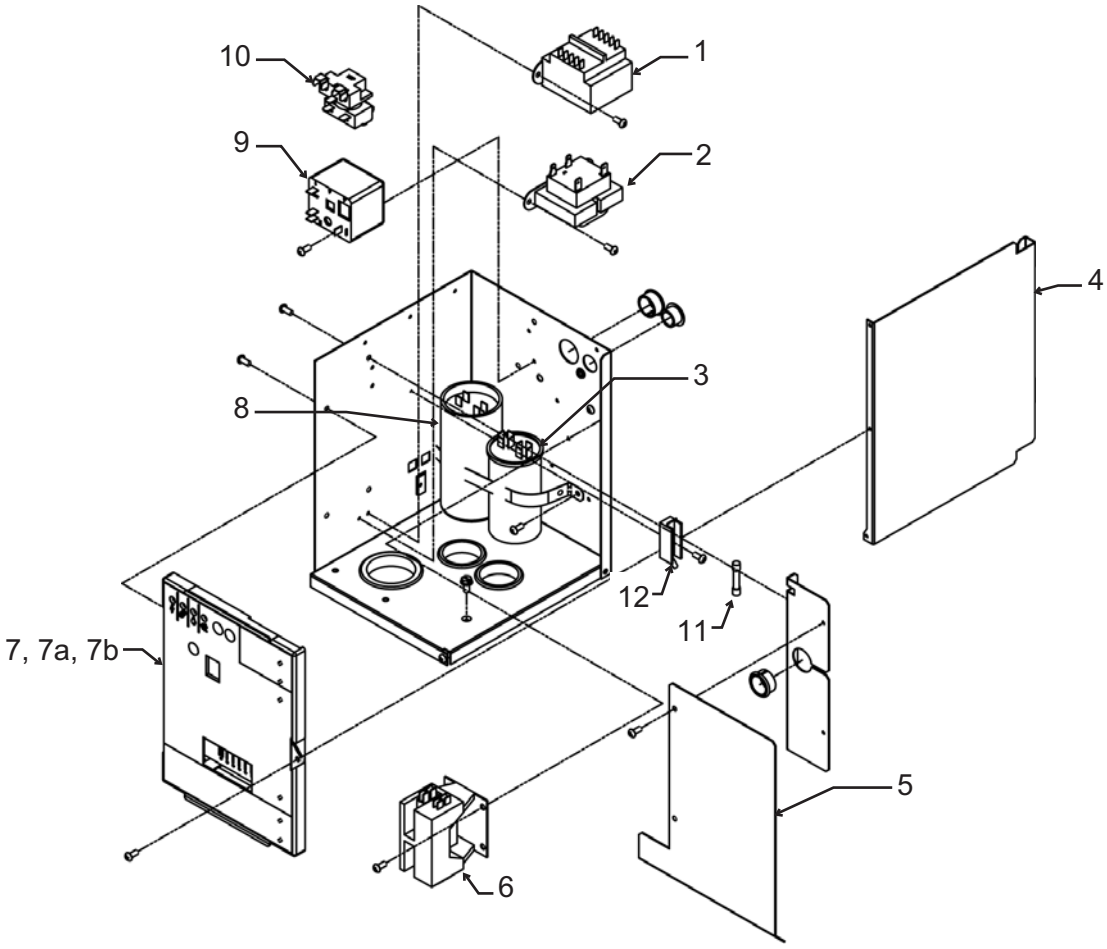



| Item Number | Part Number | Description |
|---|---|---|
| 1 | 12-2430-21+ | Drive motor, 115 volt |
| | 12-2430-22+ | Drive Motor, 208-230 volt |
| 2 | 12-2430-44 | Start switch |
| 3 | 12-2430-29 | Bearing |
| 4 | 13-0868-01 | Water Shed |
| 5 | A32379-029* | Seal |
| 6 | A32379-022 | Gearcase Cover* |
| 7 | A32379-026 | Bolt |
| 8 | A32379-024 | First Gear & Bearings |
| 9 | A32379-023 | 2nd Gear & Bearings |
| 10 | A32379-021 | Gasket |
| 11 | A32379-020 | Gear Case |
| 12 | A33220-030 | Gearcase kit, assembled w/out motor, includes item 13 |
| 13 | A32379-027 | Oil, 1 Container |
| 14 | A33220-021** | Complete 115 volt |
| | A33220-022** | Complete 208-230 volt |

* Cover includes output shaft, seal, gear and bearings. If water has flowed thru the seal, the gearcase cover assembly should be replaced, not just the seal.

** Includes items 1, 12, and is charged with gear oil.

## Electrical & Control Box




| Item Number | Part Number | Description |
|---|---|---|
| 1 | 12-2639-01 | Transformer, 50 Hz |
| 2 | 12-2924-01 | Transformer, 115 v |
| | 12-2924-02 | Transformer, 208-230 60 Hz |
| 3 | see page 15 | Run capacitor |
| 4 | A39198-001 | Side cover |
| 5 | A39216-001 | Shield |
| 6 | 12-2469-03 | Contactor, 115 volt |
| | 12-2469-02 | Contactor, 208-230 volt 60 Hz, single phase |
| | 12-2533-02 | Contactor, 3 phase |
| 7 | 11-0575-22 | Controller |
| 7a | 02-4407-01 | Graphic overlay |
| 7b | 02-4076-01 | Control box door |
| 8 | see page 15 | Start capacitor |
| 9 | see page 15 | Potential relay |
| 10 | see page 15 | Start relay |
| 11 | 12-2686-01 | Fuse, 50 Hz only |
| 12 | 12-2687-01 | Fuse block, 50 Hz only |

Harnesses (not shown)

| | | |
|---|---|---|
| NS1 | 12-2976-01 | Low voltage harness |
| NS2 | 12-2994-01 | High voltage harness, AW |
| NS3 | 12-2966-01 | High voltage harness, Rem |

## Compressors

| Model | Electrical | Compressor | Overload | Relay | Start Cap | Run Cap |
|---|---|---|---|---|---|---|
| N0422, F0522 -1 | 115/60/1 | 18-8929-21 | 18-8929-23 | 18-1903-64 | 18-1901-63 | not used |
| N0622, F0822 -1 | 115/60/1 | 18-8921-21 | 18-8921-23 | 18-1903-68 | 18-1901-55 | 18-1902-45 |
| N0622, F0822 -32 | 208-230/60/1 | 18-8921-22 | 18-8774-28 | 18-1903-67 | 18-1901-56 | 18-1902-57 |
| N0622, F0822 -6 | 230/50/1 | 18-8921-26 | 18-8774-27 | 18-1903-66 | 18-1901-56 | 18-1902-57 |
| N0922, F1222 -32 | 208-230/60/1 | 18-8922-22 | 18-8922-27 | 18-1903-44 | 18-1901-45 | 18-1902-57 |
| N0922, F1222 -3 | 208-230/60/3 | 18-8813-25 | Internal | - | - | - |
| N0922, F1222 -6 | 230/50/1 | 18-8922-26 | Internal | 18-1903-69 | 18-1901-64 | 18-1902-56 |
| N1322, F1522 -32 | 208-230/60/1 | 18-8749-22 | Internal | 18-1903-46 | 18-1901-48 | 18-1902-55 |

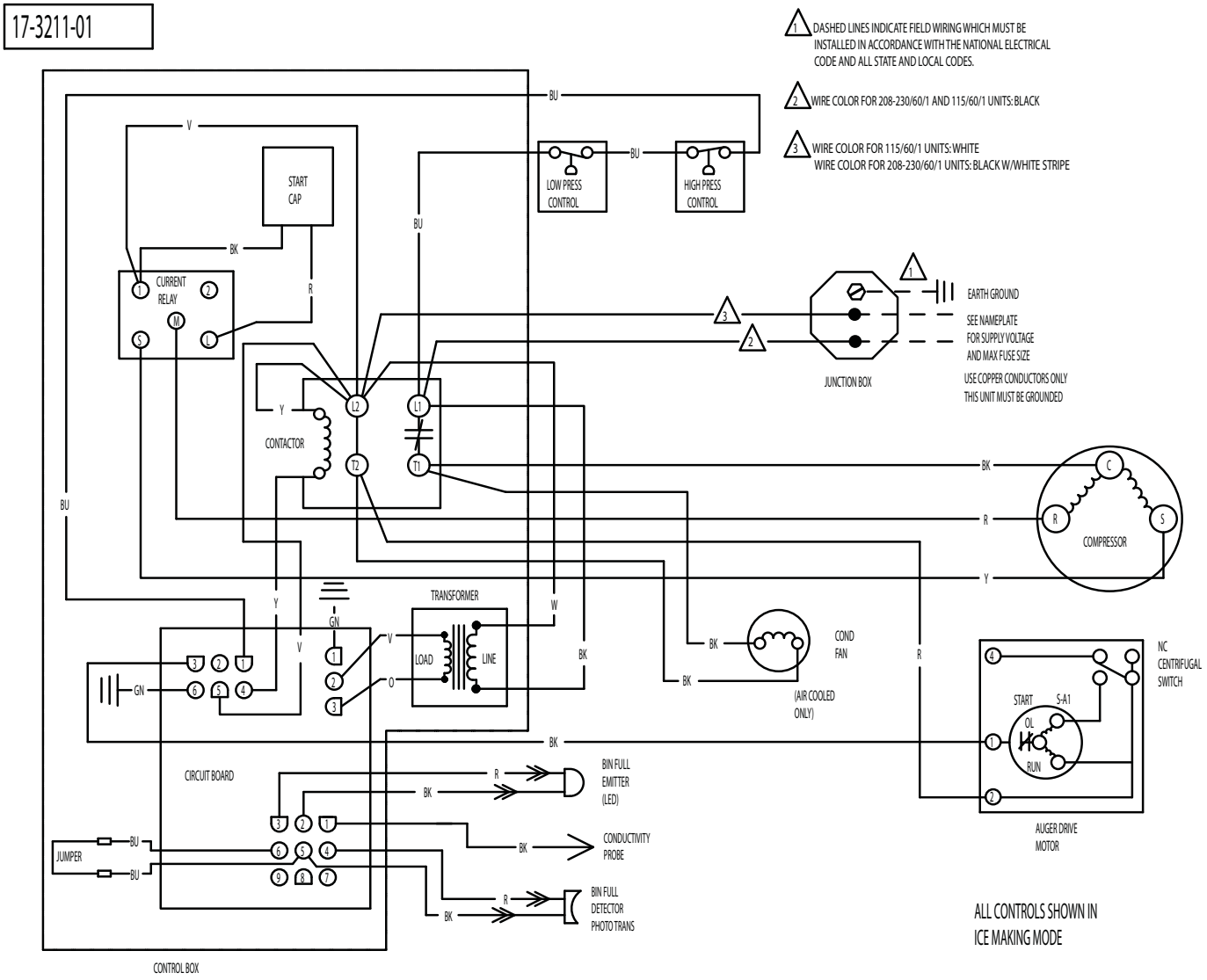
## Compressor Mounting Hardware

| Model | Bolt | Grommet | Washer | Sleeve |
|---|---|---|---|---|
| N0422, F0522, N0622, F0822 | 03-1405-20 | 18-4700-28 | 03-1407-07 | 18-0108-41 |
| N0922, F1222 -32 | 03-1405-20 | 18-4700-28 | 03-1407-07 | 18-0108-41 |
| N0922, F1222 -3 | 03-1405-20 | 18-2300-27 | 03-1407-07 | 18-2300-26 |
| N1322, F1522 -32 | 03-1405-20 | 18-2300-27 | 03-1407-07 | 18-2300-26 |

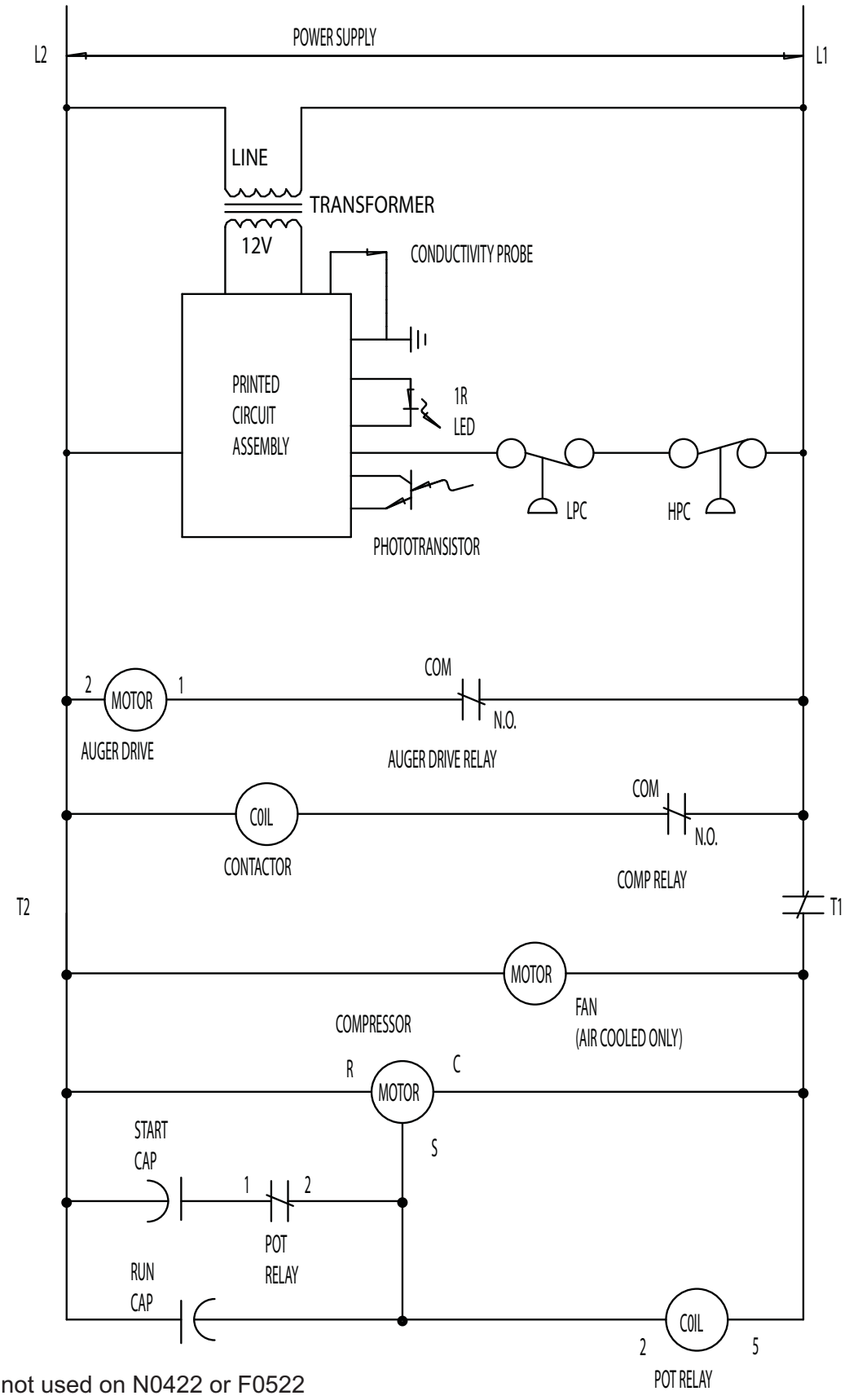
## Crankcase Heaters

| Model | Voltage | Heater |
|---|---|---|
| N0622R-1, F0822R-1 | 115 | 12-2942-01 |
| N0622R-32, F0822R-32 | 230 | 12-2942-02 |
| N0922R-32, F1222R-32 | 230 | 12-2942-02 |
| N0922R-3, F1222R-3 | 230, 3 phase | 18-2308-01 |
| N1322R -32, -3, F1522R-32, -3 | 230 | 18-2308-01 |

## Wiring Diagram N0422 and F0522

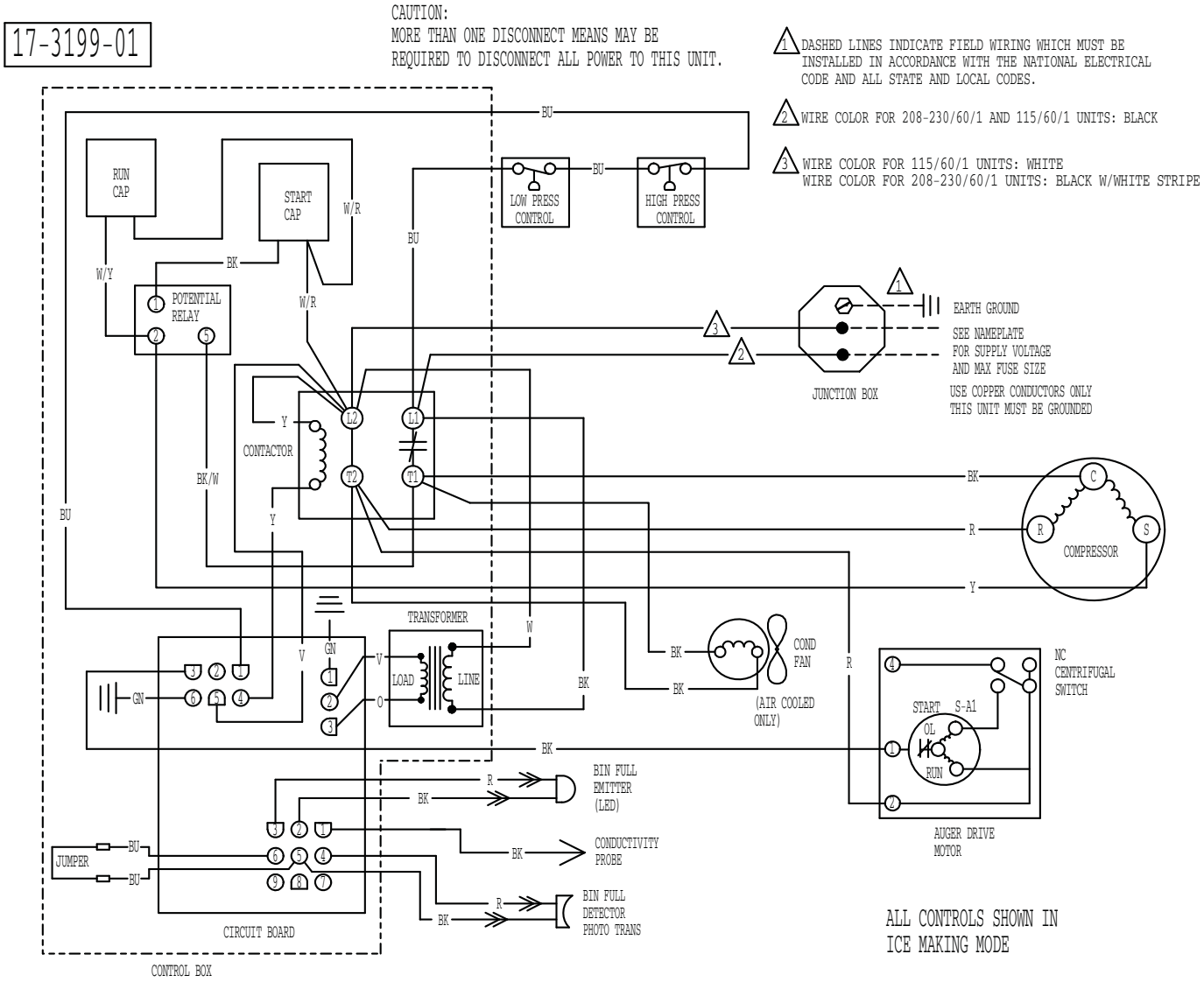


## Schematic Diagram N0422 or F0522

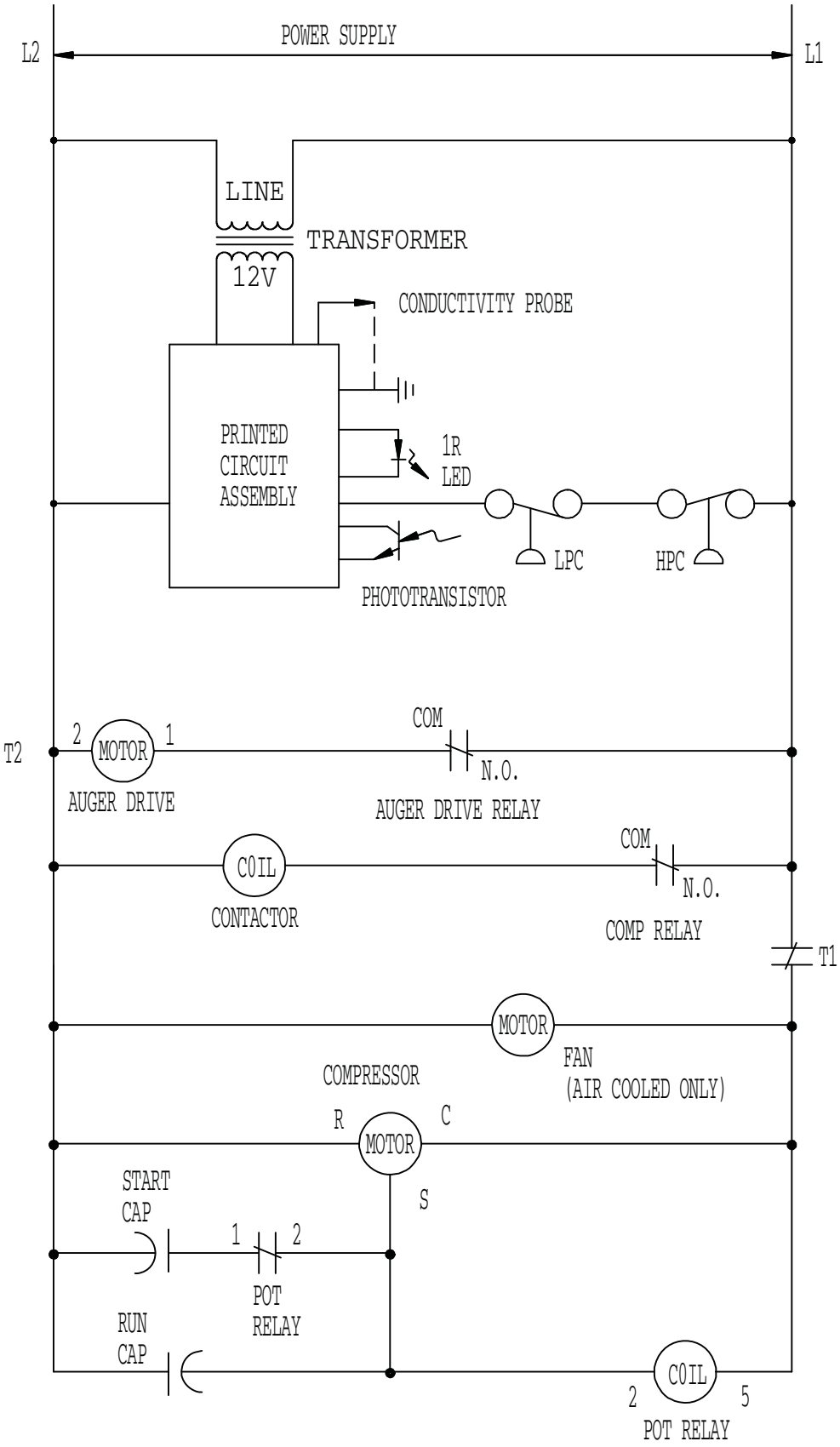



Run Cap not used on N0422 or F0522

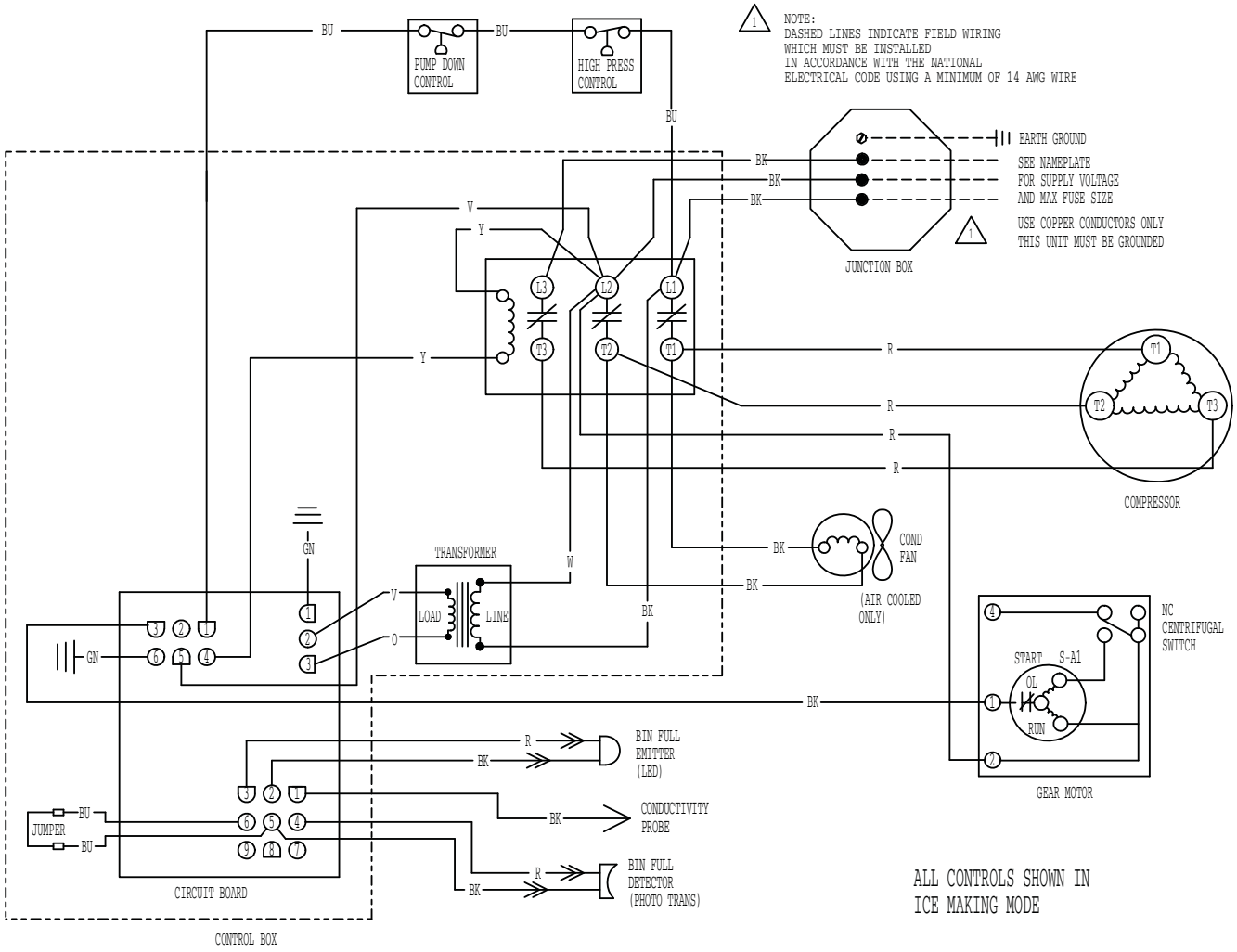
## Wiring Diagram N0622, F0822, N0922, F1222, N1322 or F1522 Single Phase



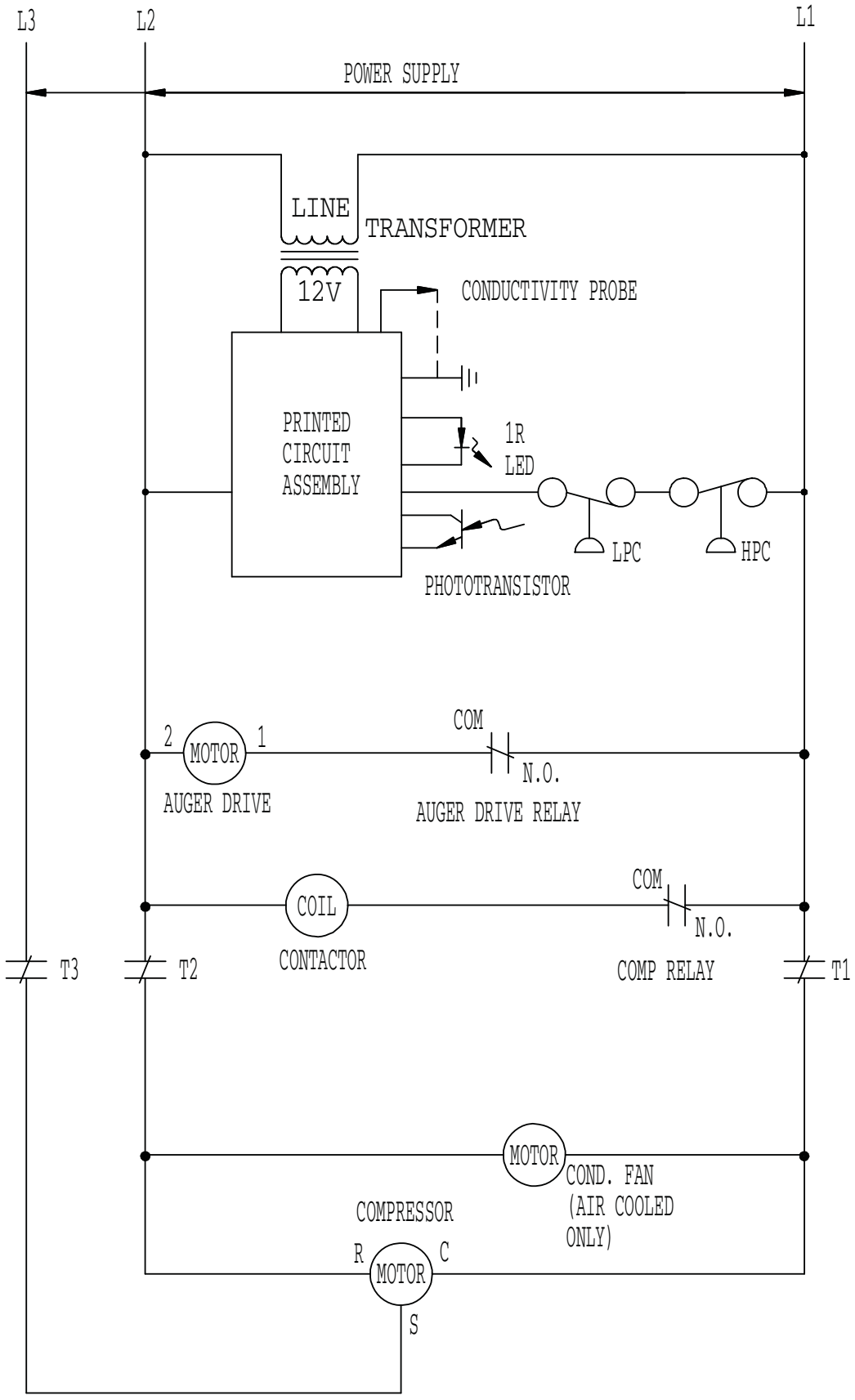
## Schematic Diagram N0622, F0822, N0922, F1222, N1322 or F1522 Single Phase



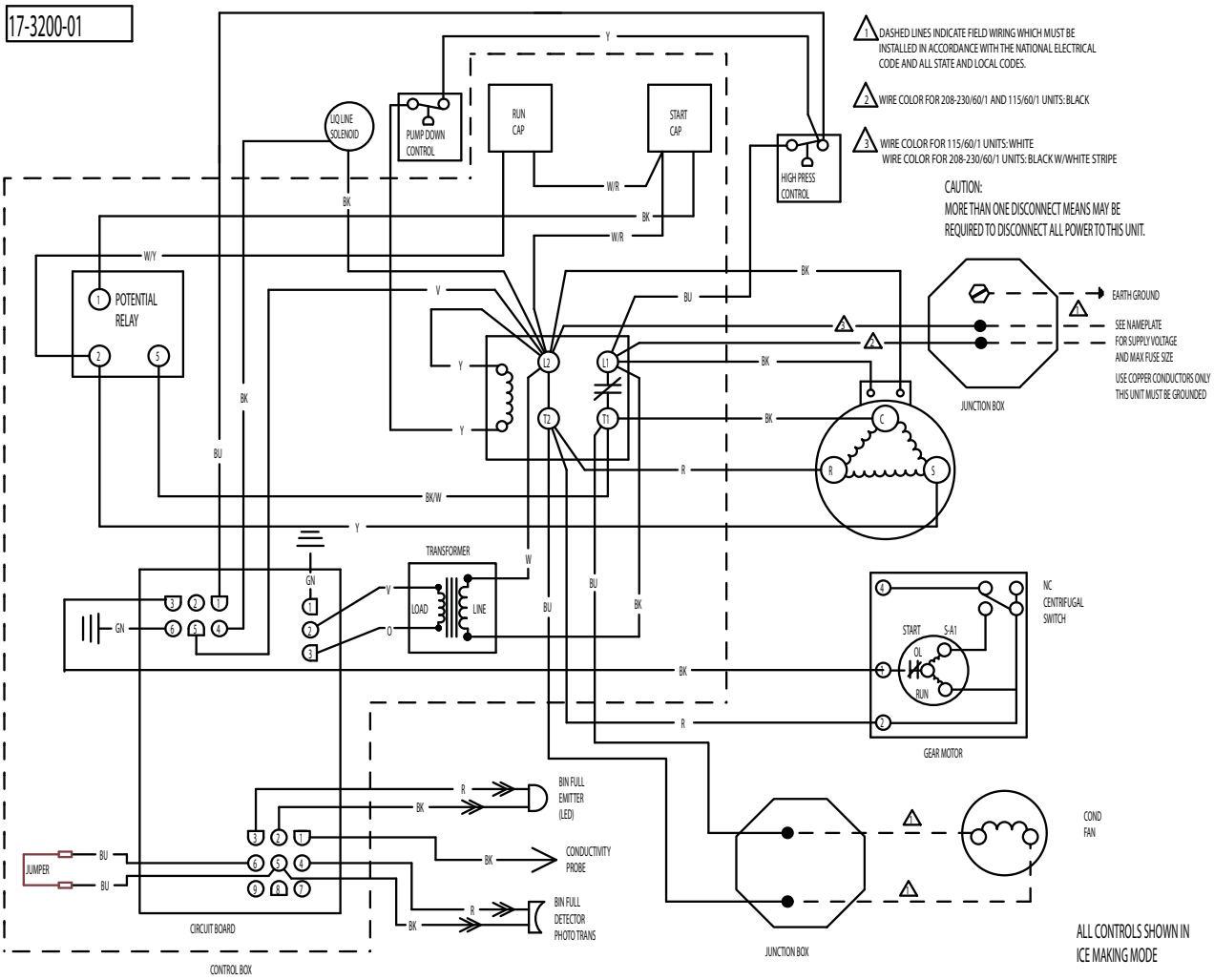
## Wiring Diagram N0922, F1222, N1322 or F1522 Three Phase



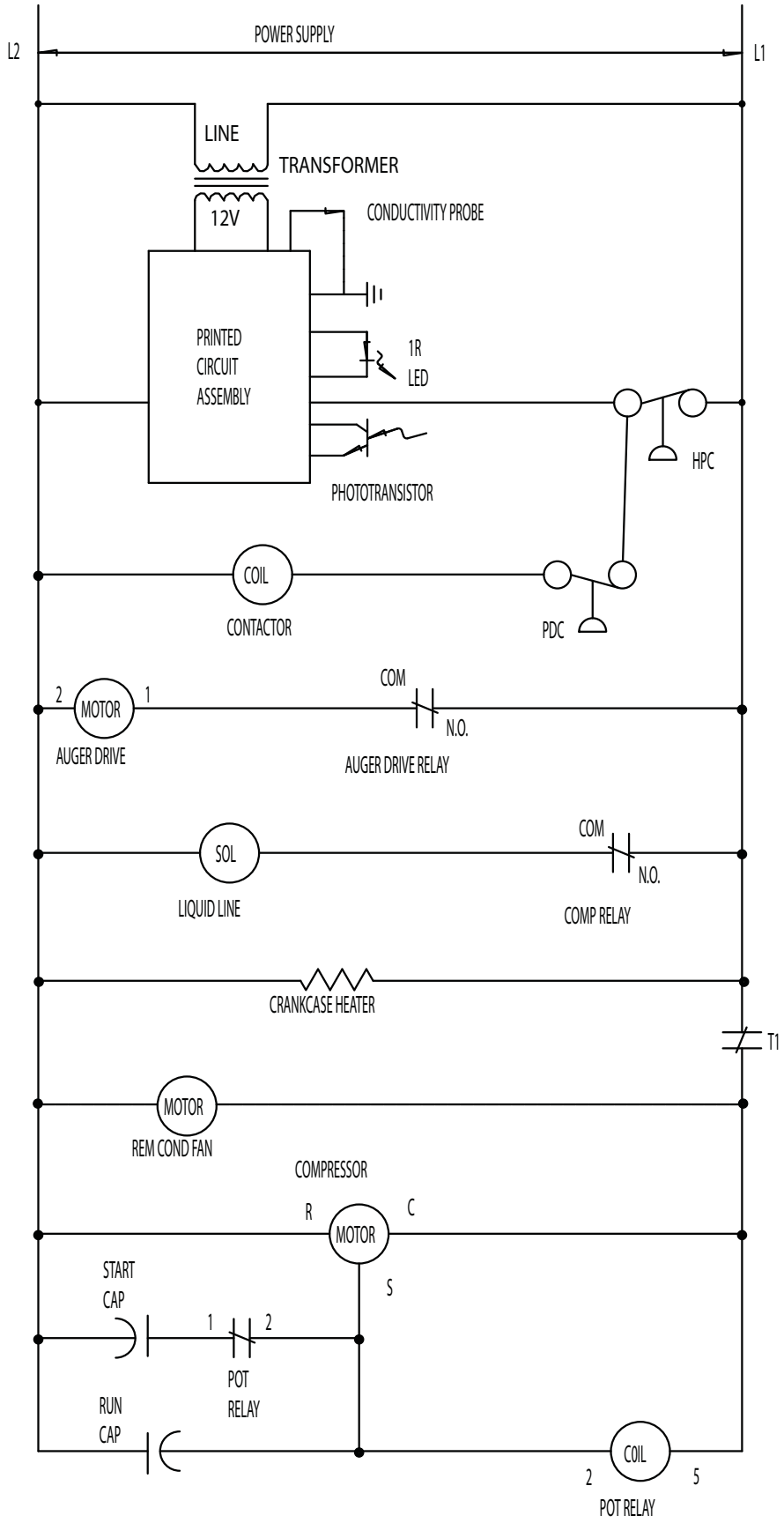
## Schematic Diagram N0922, F1222, N1322 or F1522 Three Phase



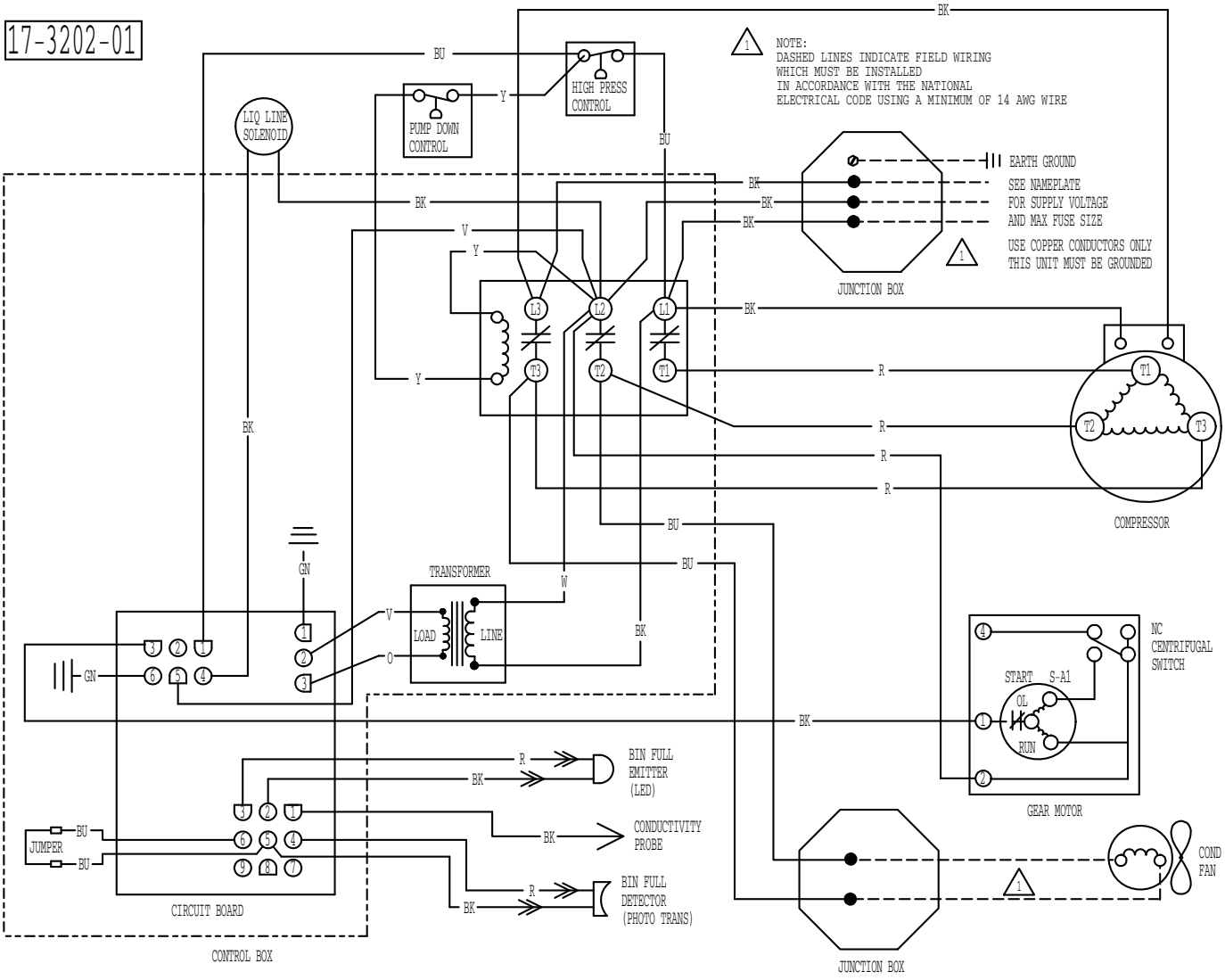
## Wiring Diagram N0622, F0822, N0922, F1222, N1322 or F1522 Remote Single Phase



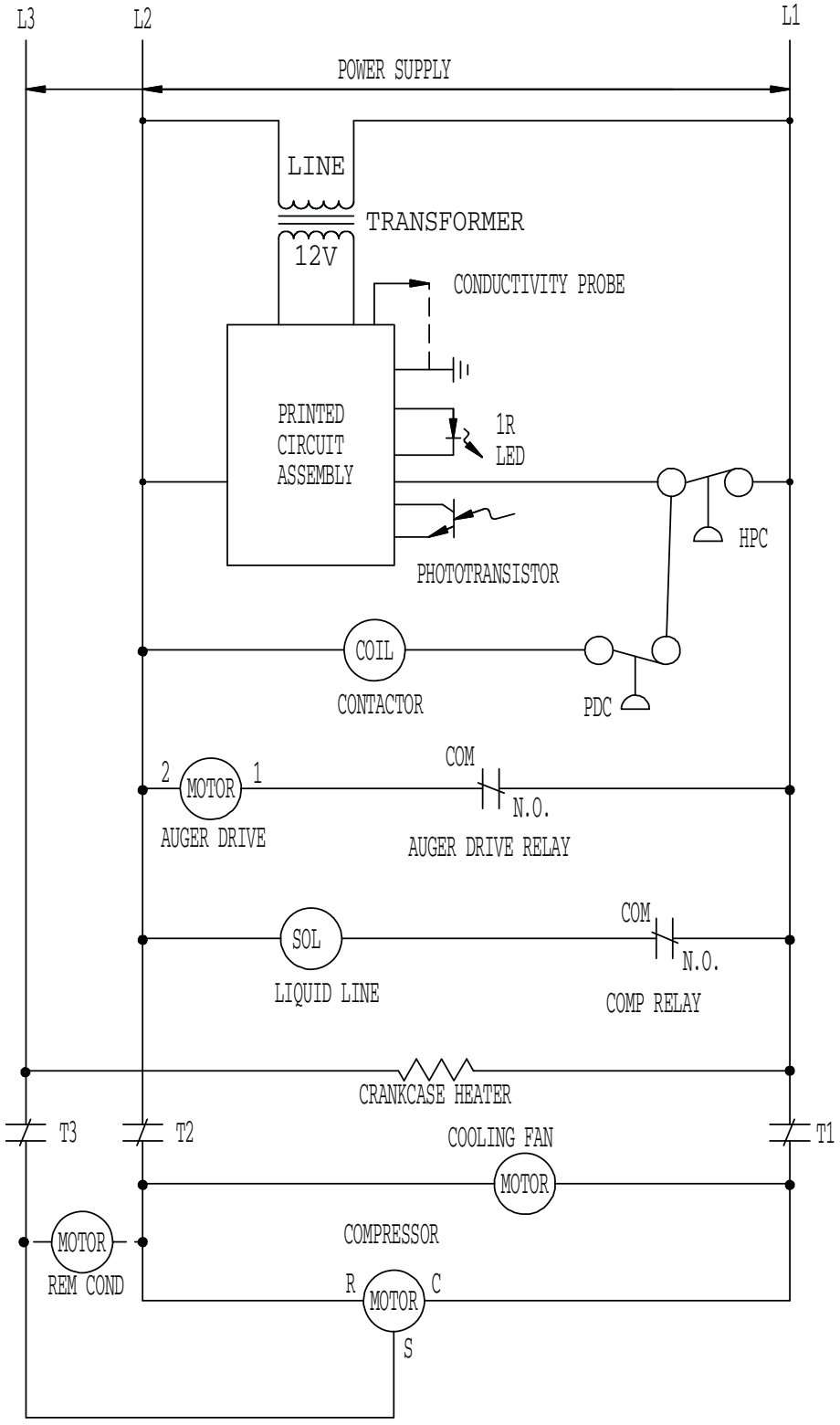
## Schematic Diagram N0622, F0822, N0922, F1222, N1322 or F1522 Remote Single Phase

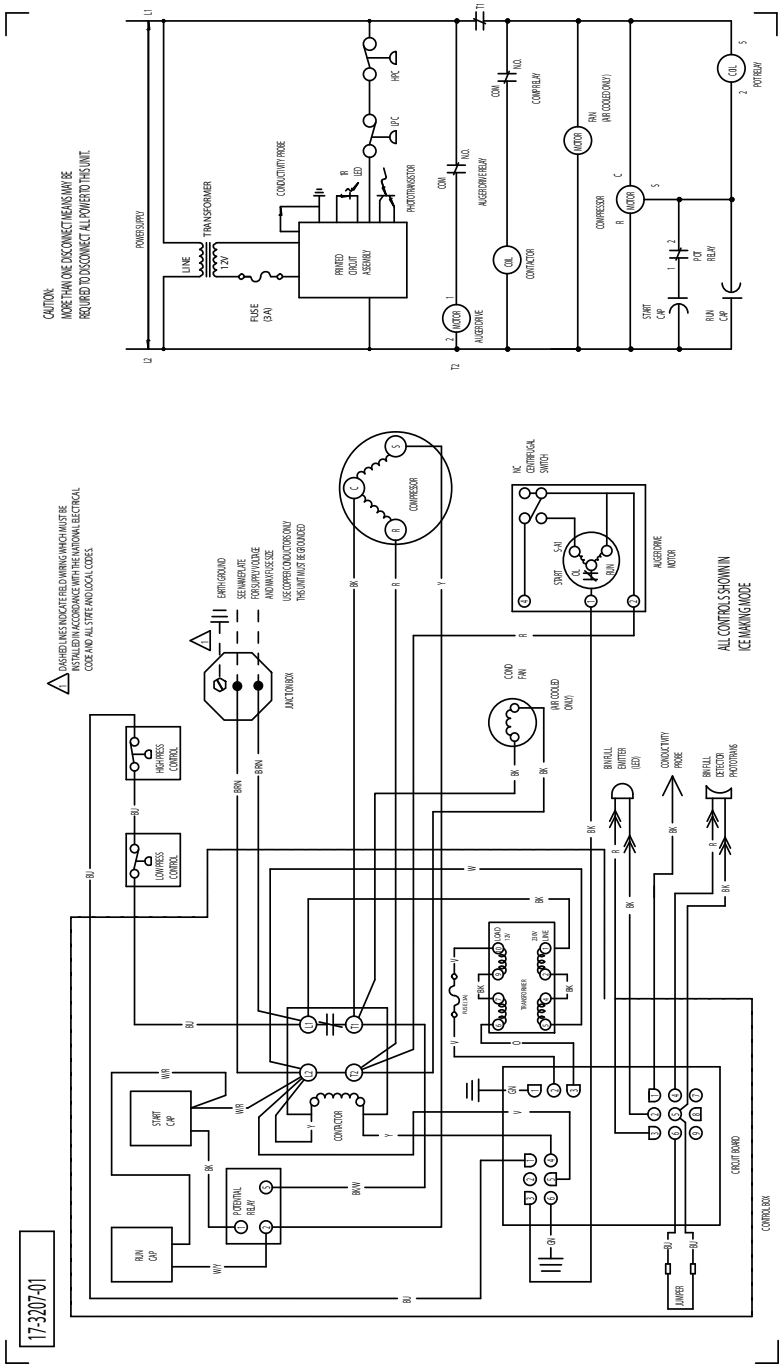


## Wiring Diagram N0922, F1222, N1322 or F1522 Remote Three Phase



## Schematic Diagram N0922, F1222, N1322 or F1522 Remote Three Phase




ALL CONTROLS SHOWN IN
ICE MAKING MODE

## N0622, F0822, N0922 or F1222 50 Hz Wiring Diagram