

Service Parts

This is the illustrated service parts list for the NH0422, NS0422, FS0522, NH0622, NS0622, FS0822, NH0922, NS0922, FS1222, NH1322, NS1322, FS1522 air cooled, water cooled or remote air cooled ice machine heads.

Voltage codes:

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

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

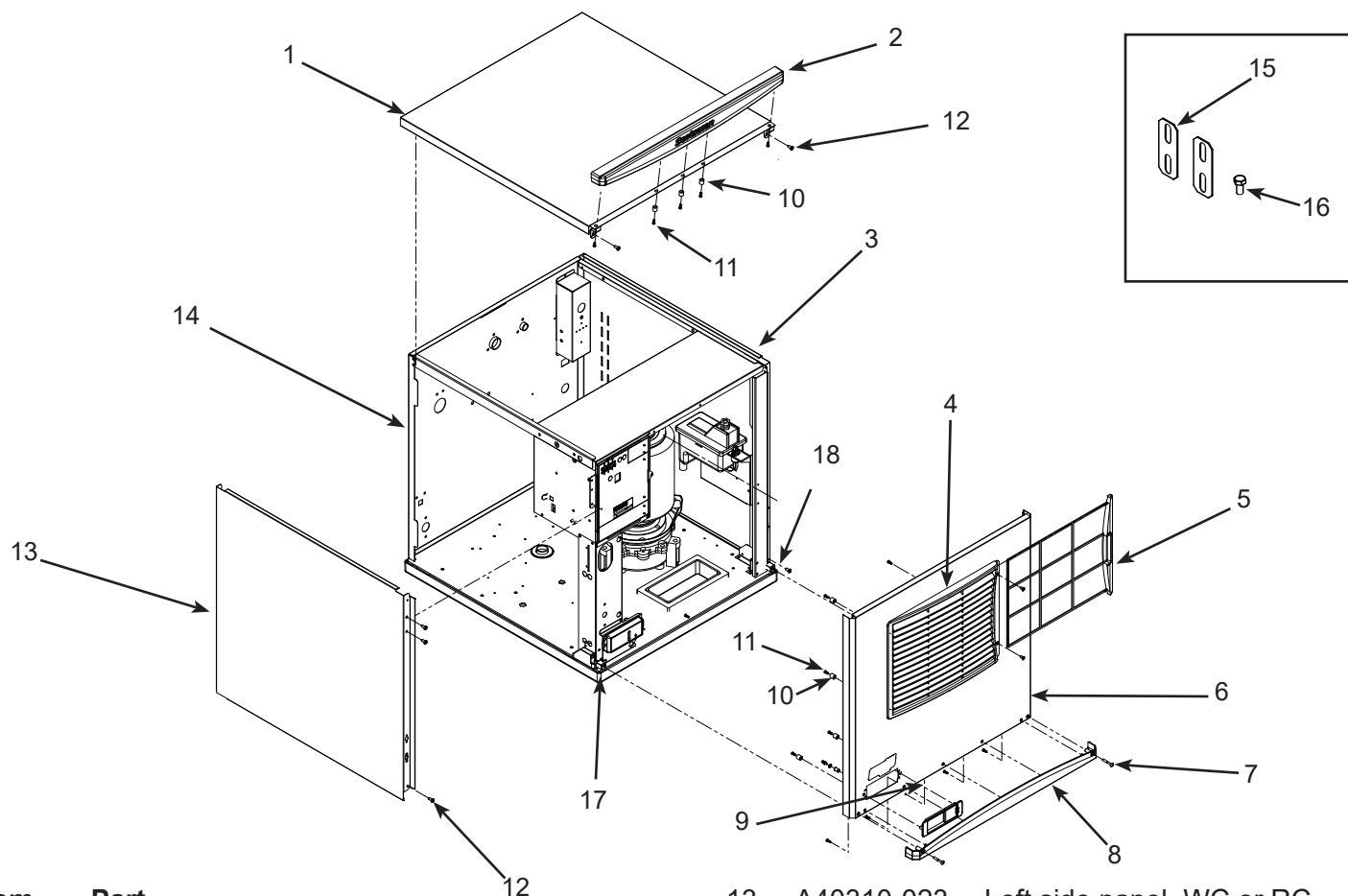
Contents

Exterior - NH0422, NS0422, FS0522, NH0622, NS0622, FS0822	Page 2
Exterior - NH0922, NS0922, FS1222, NH1322, NH1322, FS1522	Page 3
Interior Cabinet, Water, and Chute Systems	Page 4
Refrigeration Condensing, Air Cooled	Page 5
Condenser Fan Motor System - NH0422, NS0422, FS0522, NH0622, NS0622, FS0822	Page 6
Condenser Fan Motor System - NH0922, NS0922, FS1222, NH1322, NH1322, FS1522	Page 7
Refrigeration Condensing, Water Cooled	Page 8
Refrigeration Condensing, Remote Cooled	Page 9
Remote Condenser - ERC111 or ERC311	Page 10
Evaporator System, Hard Nugget (NH)	Page 11
Gear Reducer and Motor	Page 12
Electrical & Control Box	Page 13
Compressors and Hardware	Page 14
Wiring Diagrams	Page 15



Service Parts

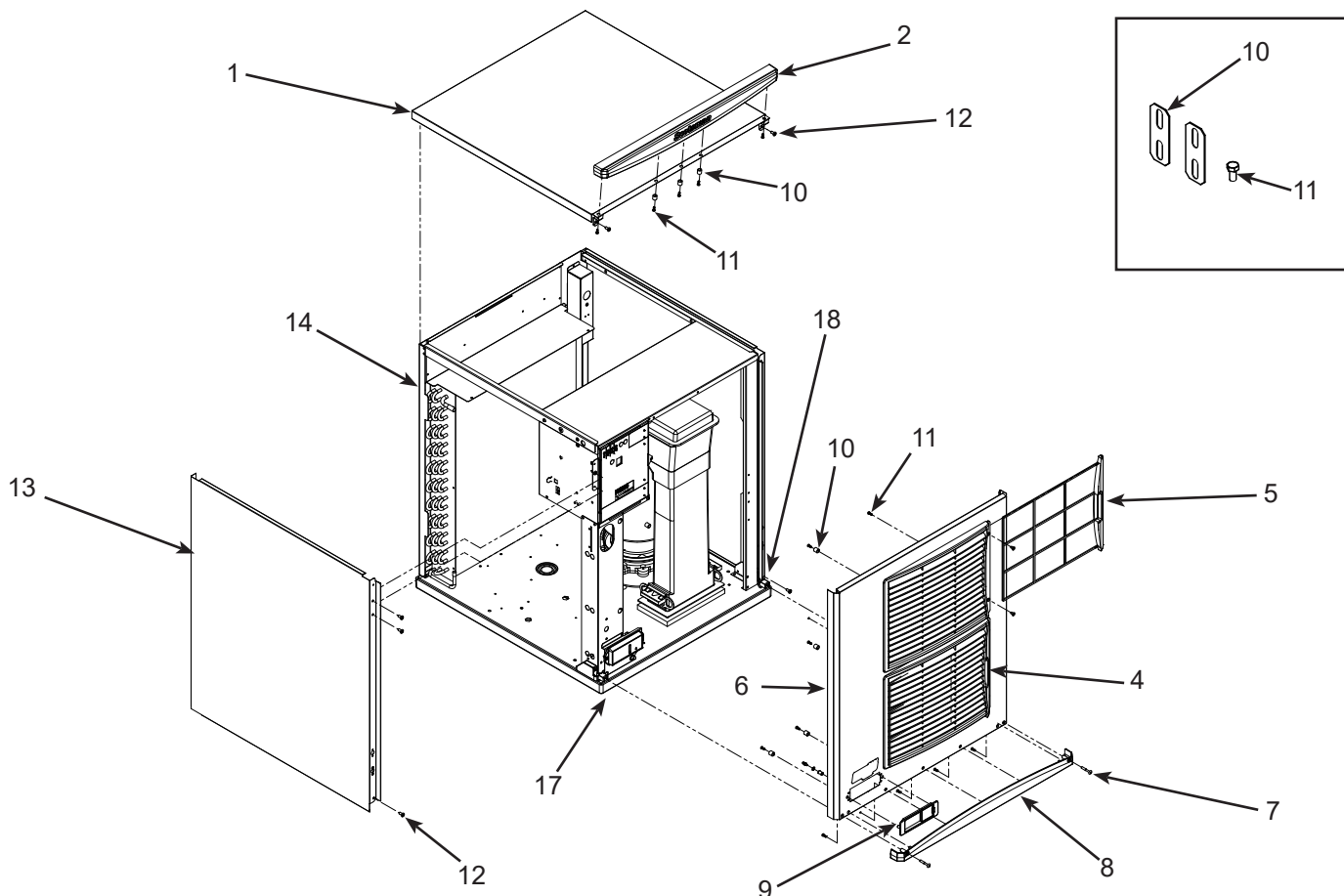
Exterior - NH0422X, NS0422X, FS0522X, NH0622X, NS0622X, FS0822X



Item Number	Part Number	Description	
1	A40309-022	Top panel, includes item 2	
2	02-4819-02	Trim strip	
3	A40335-021	Right side panel	
4	02-4224-03	Louvers	
5	02-4212-03	Air filter	
6	A40308-025	Front panel, AC includes items 4, 5, 7, 8 and 9	
6a	A40308-026	Front panel, WC or RC. Includes items 4, 5, 7, 8 and 9	
7	03-1735-03	Screw	
8	02-4820-02	Tim strip	
9	02-4821-02	Bezel, includes standard door	
9a	02-4822-02	Door, bezel secure	
10	02-4824-01	Spacer	
11	03-3836-02	Screw	
12	03-1404-10	Screw	
13	A40310-023	Left side panel, WC or RC	
	A40310-021	Left side panel, AC	
14	A41013-002	Back panel, WC or RC	
15	A30911-015	Machine straps	
16	03-1405-15	Screw	
17	02-4823-21	*Panel mount kit, left	
18	02-4823-22	*Panel mount kit, right	
		*Includes both screw receptacles	

Service Parts

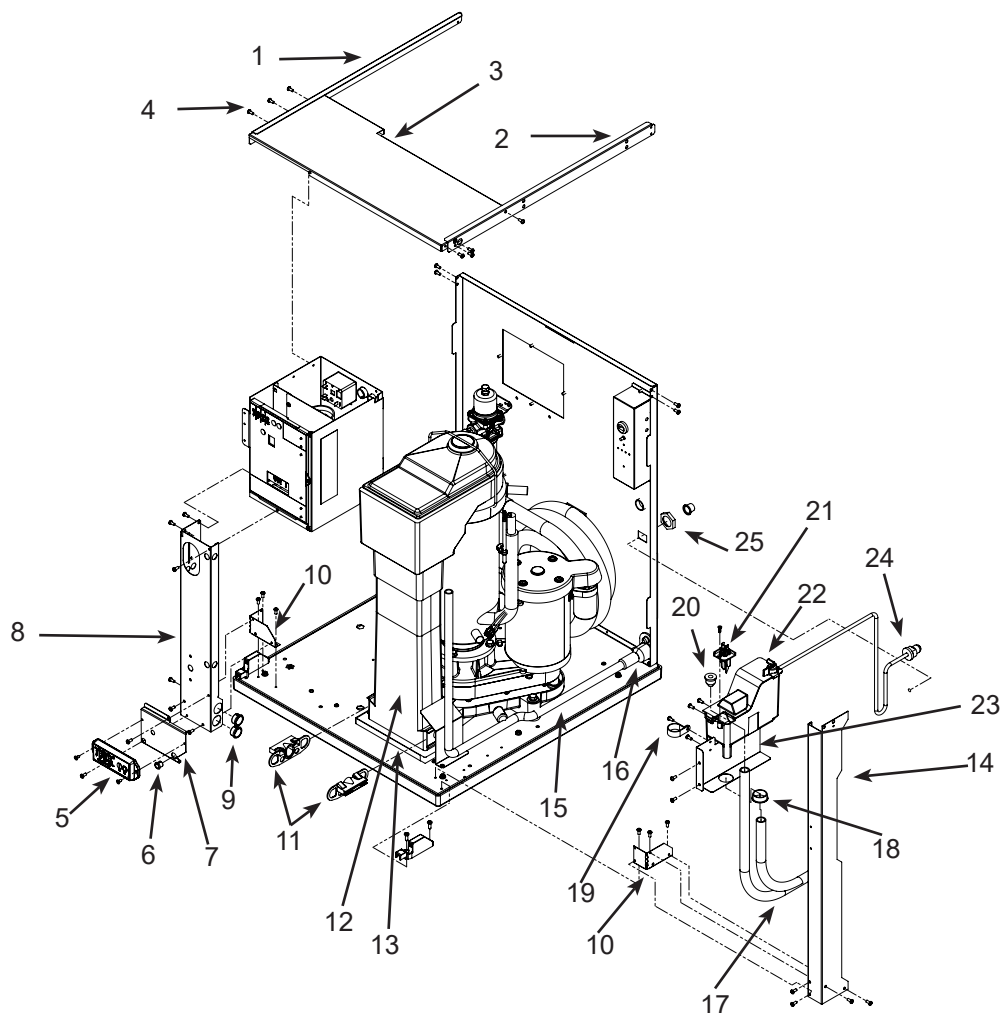
Exterior - NH0922X, NS0922X, FS1222X, NH1322X, NS1322X, FS1522X



Item Number	Part Number	Description	
1	A40309-022	Top panel, includes item 2	
2	02-4819-02	Trim strip	
3	A40335-022	Right side panel	
4	02-4224-03	Louvers	
5	02-4212-03	Air filter	
6	A40308-028	Front panel, AC includes items 4, 5, 7, 8 and 9	
6a	A40308-029	Front panel, WC or RC. Includes items 4, 5, 7, 8 & 9	
7	03-1735-03	Screw	
8	02-4820-02	Tim strip	
9	02-4821-02	Bezel, includes standard door	
9a	02-4822-01	Door, bezel with handle	
9b	02-4822-02	Door, bezel secure	
10	02-4824-01	Spacer	
11	03-3836-02	Screw	
12	03-1404-10	Screw	
13	A40310-025	Left side panel, AC	
	A40310-026	Left side panel, WC or RC	
14	A41493-001	Back panel, WC or RC	
15	A30911-015	Machine straps	
16	03-1405-15	Screw	
17	02-4823-21	*Panel mount kit, left	
18	02-4823-22	*Panel mount kit, right	
		*Includes both screw receptacles	

Service Parts

Interior Cabinet, Water, and Chute Systems



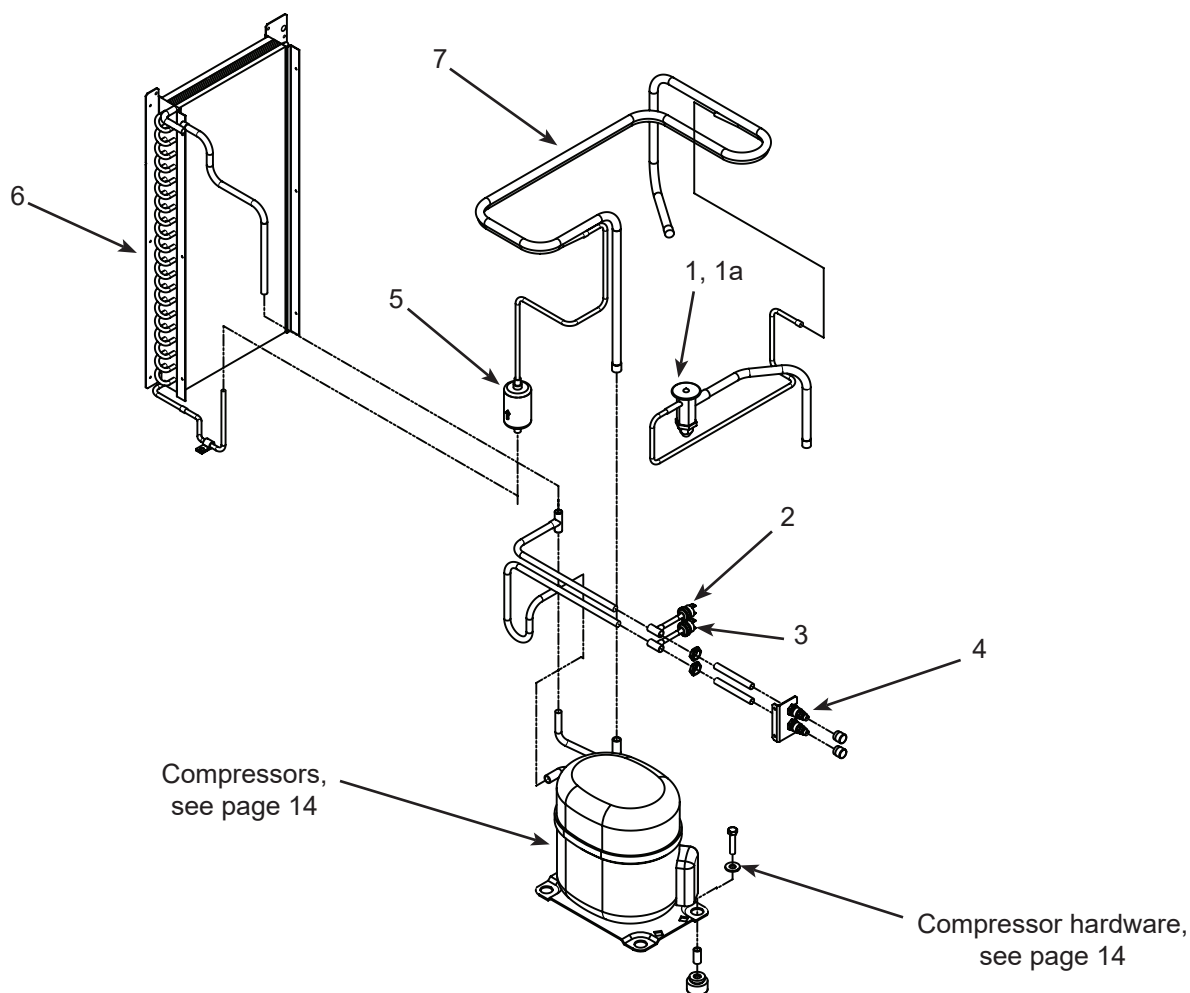
Item Number	Part Number	Description	Item Number	Part Number	Description
1	A40361-001	Channel, top left	14	A41004-001	Support post, front left, short
2	A40362-001	Channel, top right		A41003-001	Support post, front right, tall
3	A41005-001	Control box cover	15	02-5106-01	Drain tube
4	03-1531-01	Screw	16	02-3692-04	Drain adapter
5	11-0622-21*	Lower display	17	A40189-001	Evaporator inlet hose, short
*(includes bracket, membrane switch, harness)				02-4752-01	Evaporator inlet hose, tall
6	12-1213-04	Bushing	18	12-1213-11	Bushing
7	A40363-001	Bracket	19	03-3841-02	Loop clamp for drain tube
8	A40364-001	Support post, front left, short	20	13-0973-01	Drain plug, vented
	A41480-001	Support post, front left, tall	21	A40666-001	Water sensor
9	12-1213-10	Bushing	22	A40664-001	Water reservoir & valve
10	A40367-001	Bracket, support post	23	A40029-001	Water reservoir bracket
11	A37708-021	Bin control set (2)	24	A41014-001	Water inlet assembly
12	02-2929-03	Lower ice chute, short	25	03-1394-01	Pal nut
	02-2929-04	Lower ice chute, tall			
13	02-4357-01	Ice chute gasket			

Short - NH0422, NS0422, FS0522, NH0622, NS0622, FS0822

Tall - NH0922, NS0922, FS1222, NH1322, NS1322, FS1522

Service Parts

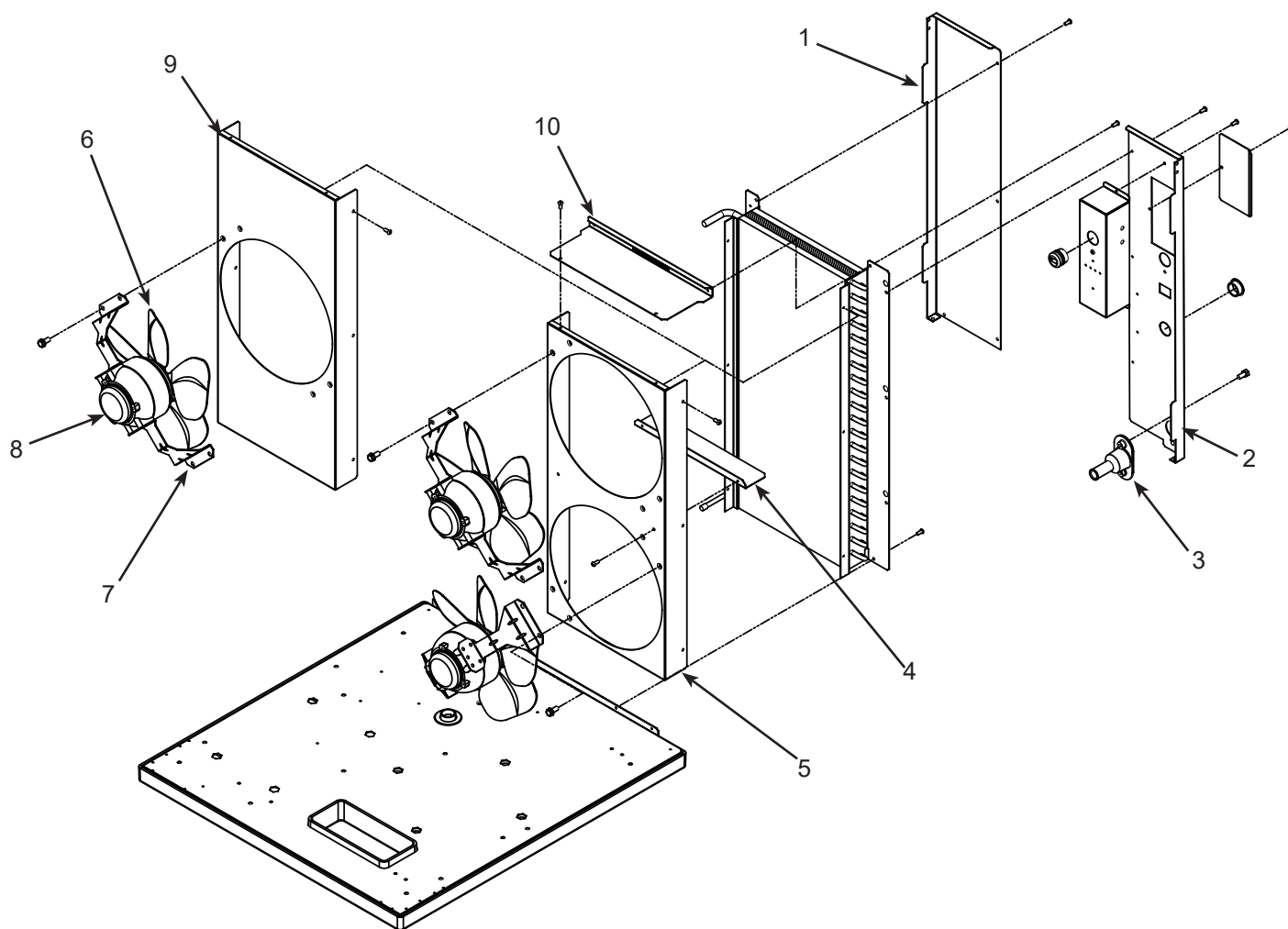
Refrigeration Condensing, Air Cooled



Item Number	Part Number	Description
1	16-1144-21	TXV, NH0422X, NS0422X, FS0522X
	16-1144-22	TXV, NH0622X, NS0622X, FS0822X
	16-1144-24	TXV, NH0922X, NS0922X, FS1222X
	16-1144-23	TXV, NH1322X, NS1322X, FS1522X
1a	02-4406-01	Insulation, TXV
2	11-0501-26	High pressure cut out sw
3	11-0502-22	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 N0422X, N0922X, F0522X, N0622X, F0822X, F1222X
	18-8936-01	Air cooled condenser, fits N1322X, F1522X
7	A39249-001	Suction line for Tecumseh
	A39249-002	Suction line for Copeland

Service Parts

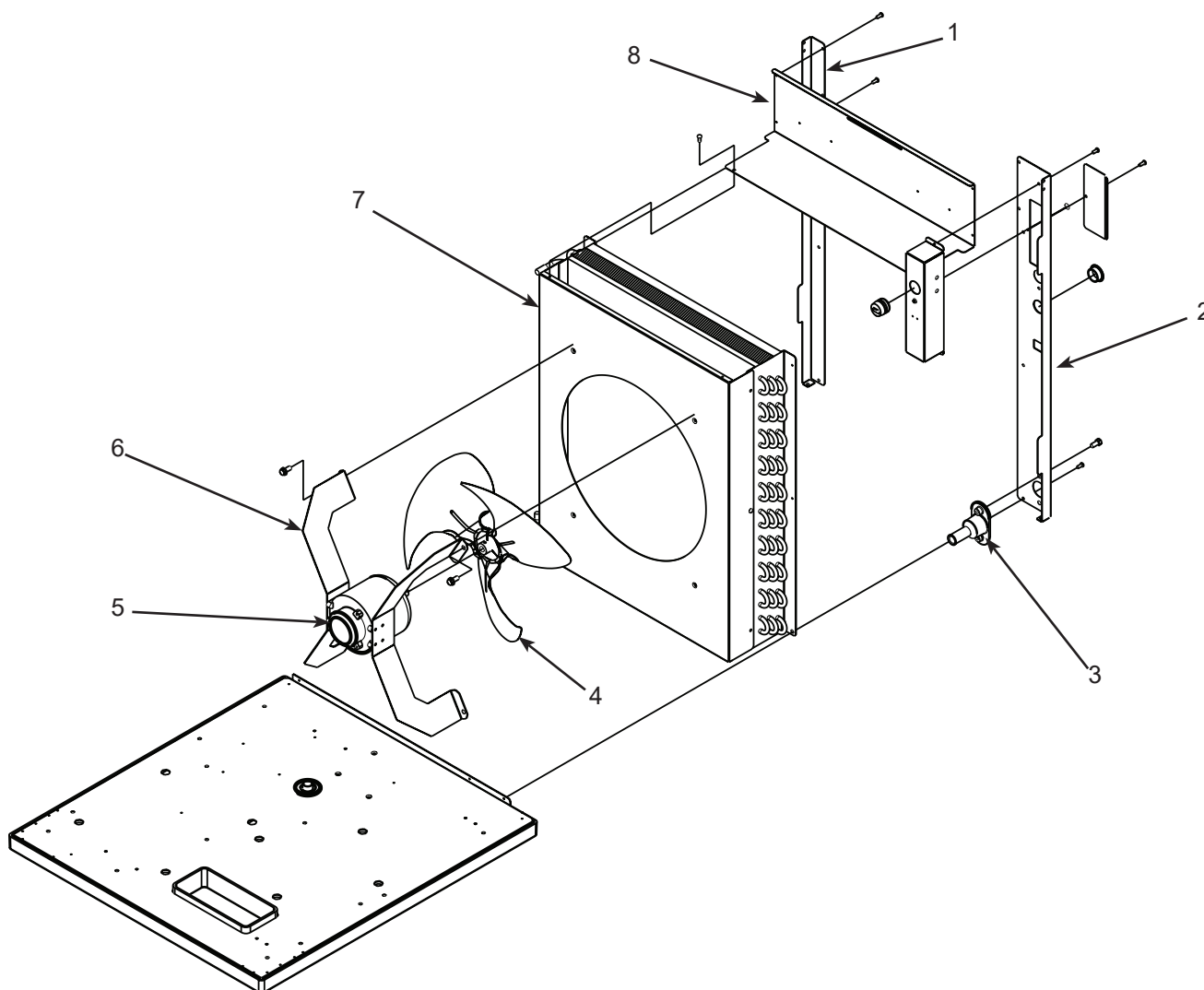
Condenser Fan Motor System - NH0422X, NS0422X, FS0522X, NH0622X, NS0622X, FS0822X



Item Number	Part Number	Description
1	A41485-001	Condenser flange
2	A41486-001	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	12-3230-01	Fan motor, 115 volt
	12-3230-02	Fan motor, 208-230 volt/50 or 60 Hz
9	A39350-001	Shroud, N0422, F0522
10	A39352-001	Shroud top

Service Parts

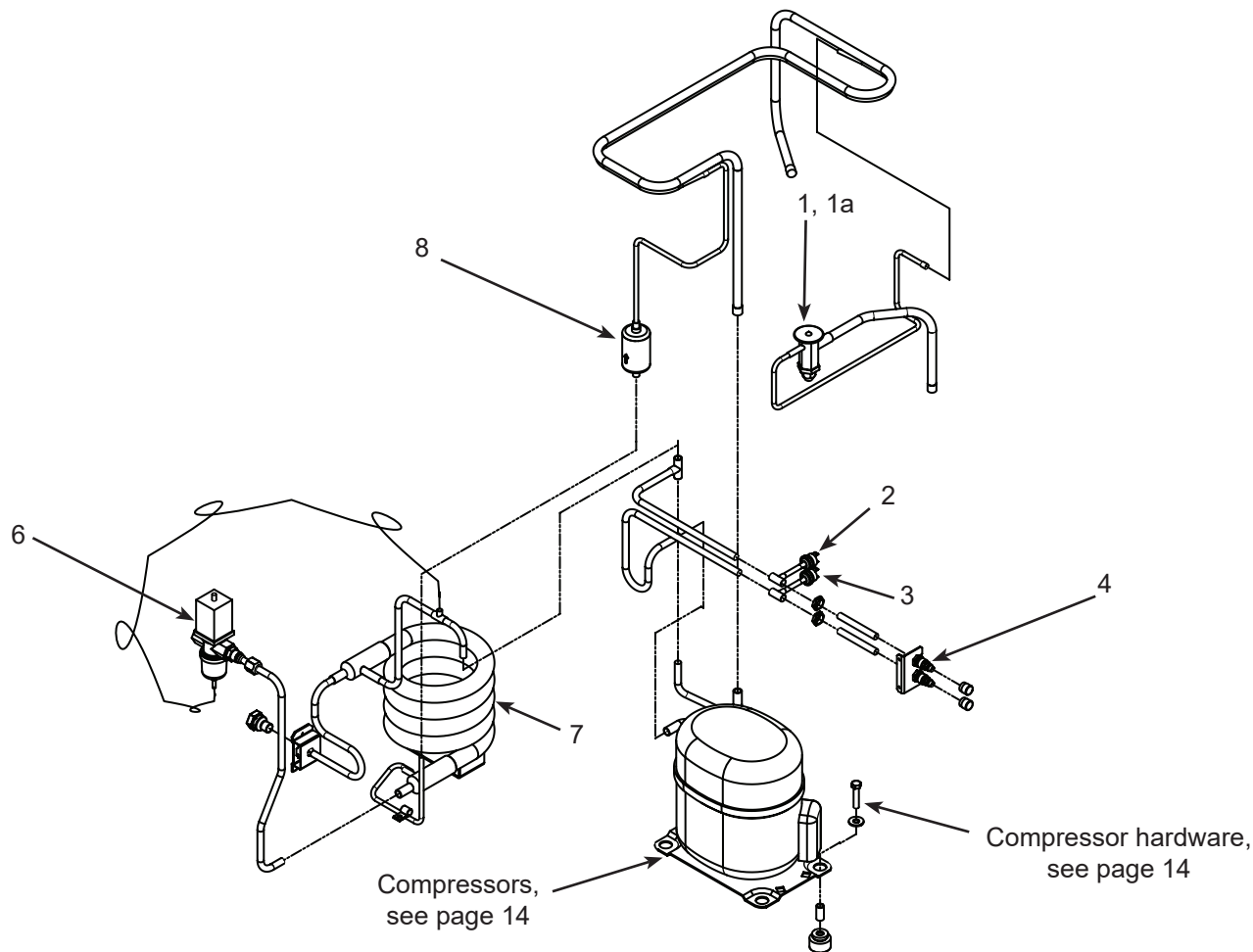
Condenser Fan Motor System - NH0922X, NS0922X, FS1222X, NH1322X, NS1322X, FS1522X



Item	Part	
Number	Number	Description
1	A39188-001	Condenser flange
2	A41011-001	Condenser flange
3	02-3692-21	Drain fitting
4	18-8836-01	Fan blade
5	18-8927-01	Fan motor
6	A38480-001	Bracket, fan motor
7	A39351-001	Shroud
8	A41484-001	Shroud top

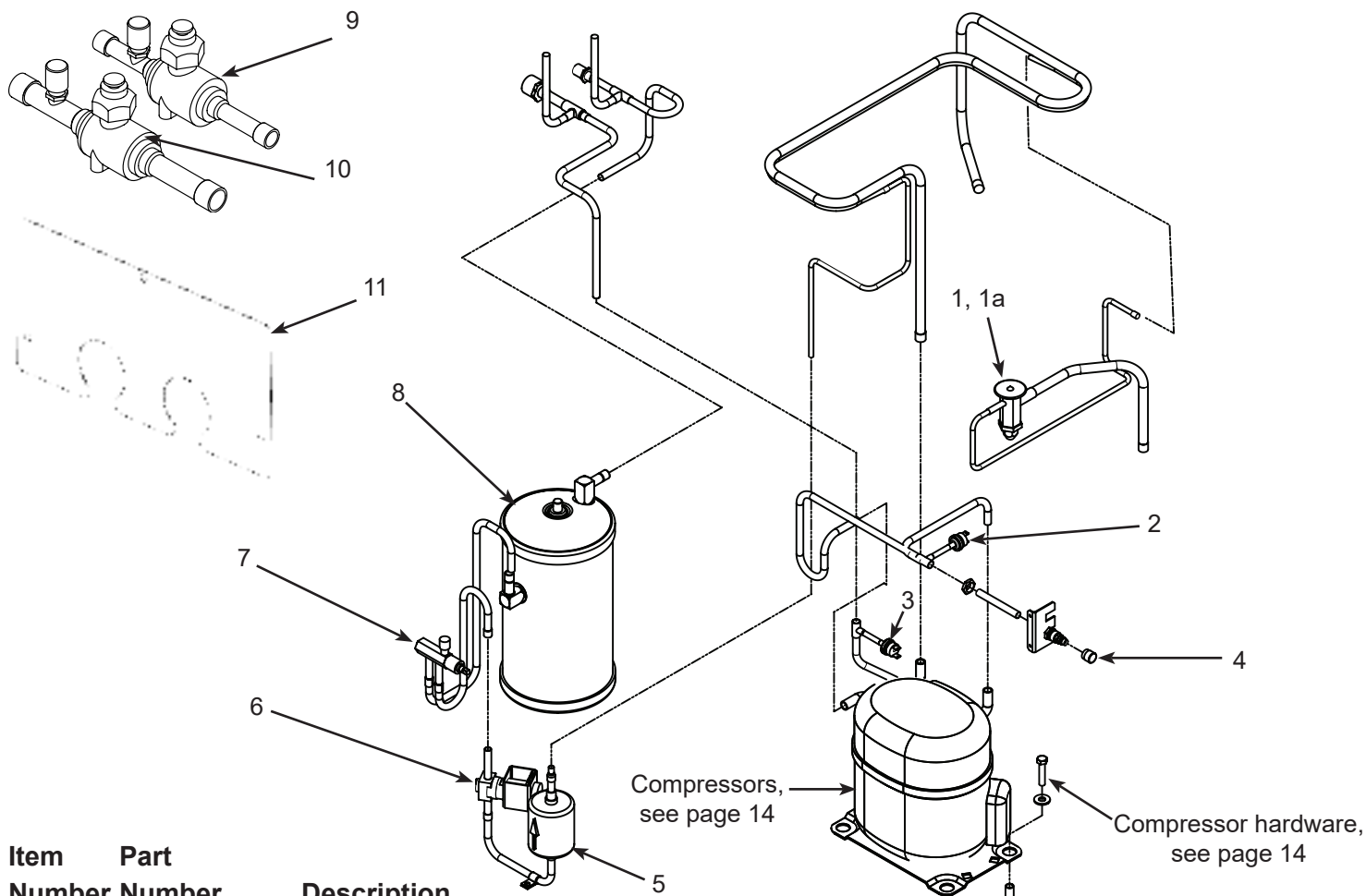
Service Parts

Refrigeration Condensing, Water Cooled



Item Number	Part Number	Description
1	16-1254-21	TXV, NH0422X, NS0422X, FS0522X
	16-1254-22	TXV, NH0622X, NS0622X, FS0822X
	16-1254-23	TXV, NH0922X, NS0922X, FS1222X
	16-1144-23	TXV, NH1322X, NS1322X, FS1522X
1a	19-0599-06	Insulation, TXV
2	11-0501-26	High pressure cut out sw
3	11-0502-22	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	11-0608-25	Water regulating valve
7	18-9015-21	Condenser, water cooled fits NH0422, NS0422, FS0522, NH0622, NS0622, FS0822, NH0922, NS0922, FS1222
	18-8893-21	Condenser, water cooled fits NH1322X, NS1322X, and FS1522X
	16-0874-01	Receiver, not shown, fits FS1222WX or NS0922WX
8	02-3319-02	Filter dryer

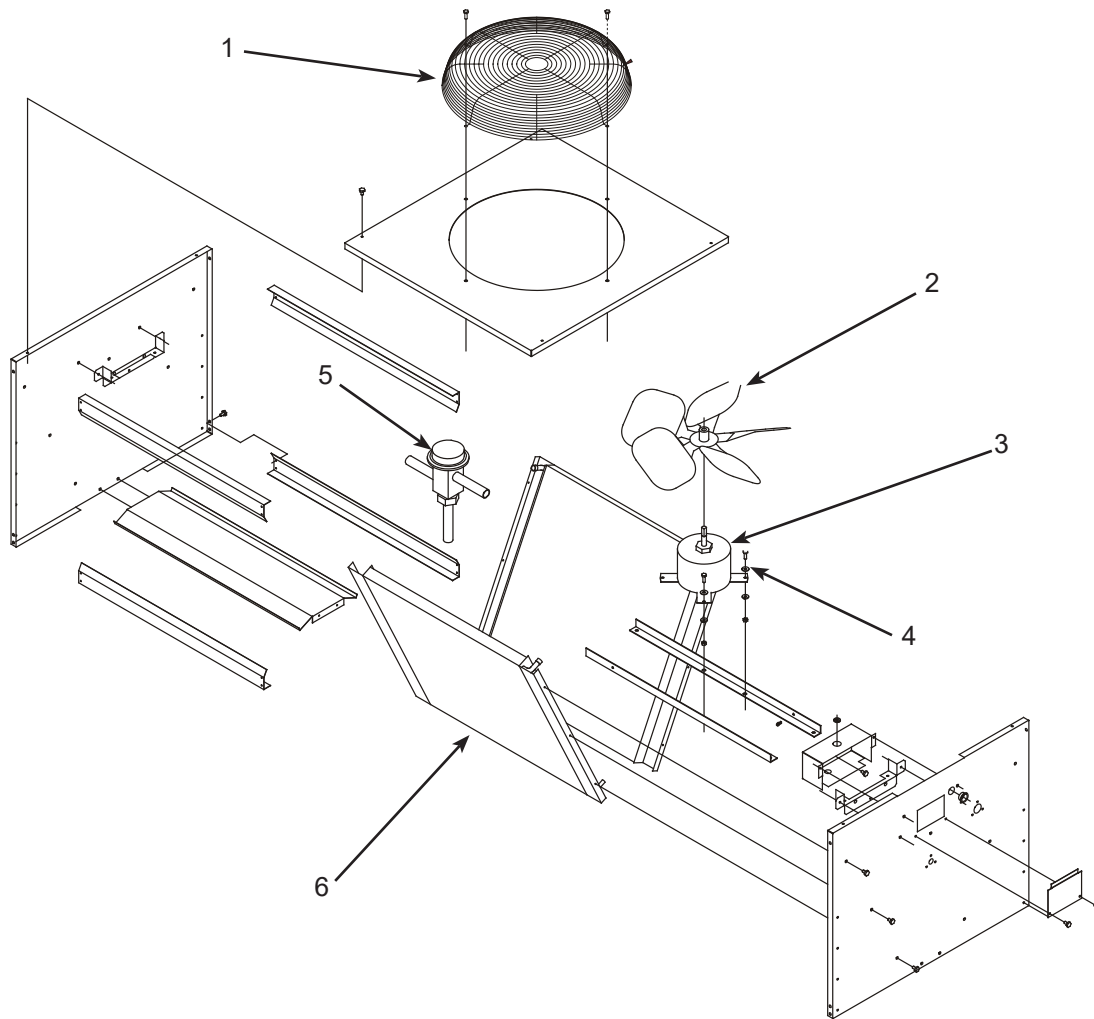
Refrigeration Condensing, Remote Cooled



1	16-1144-21	TXV, NH0422X, NS0422X, FS0522X	8	A40772-001	Bracket, receiver bottom
	16-1144-22	TXV, NH0622X, NS0622X, FS0822X	11	16-1208-01	Isolation valve 3/8
	16-1144-24	TXV, NH0922X, NS0922X, FS1222X	12	16-1208-02	Isolation valve 1/2
	16-1144-23	TXV, NH1322X, NS1322X, FS1522X	13	A40508-001	Isolation valves cover order 2
1a	02-4406-01	Insulation, TXV	14	A40507-001	Isolation valves bracket
2	11-0502-22	Low pressure cut out sw			
3	11-0501-26	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			

Service Parts

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	11-0422-22	Headmaster
6	18-8827-01	Coil

Not shown:

NS1 A37169-001 Leg

NS2 A37170-001 Leg brace

NS3 03-1645-01 Screw for legs

NS4 16-1100-08 Line set tube end, discharge

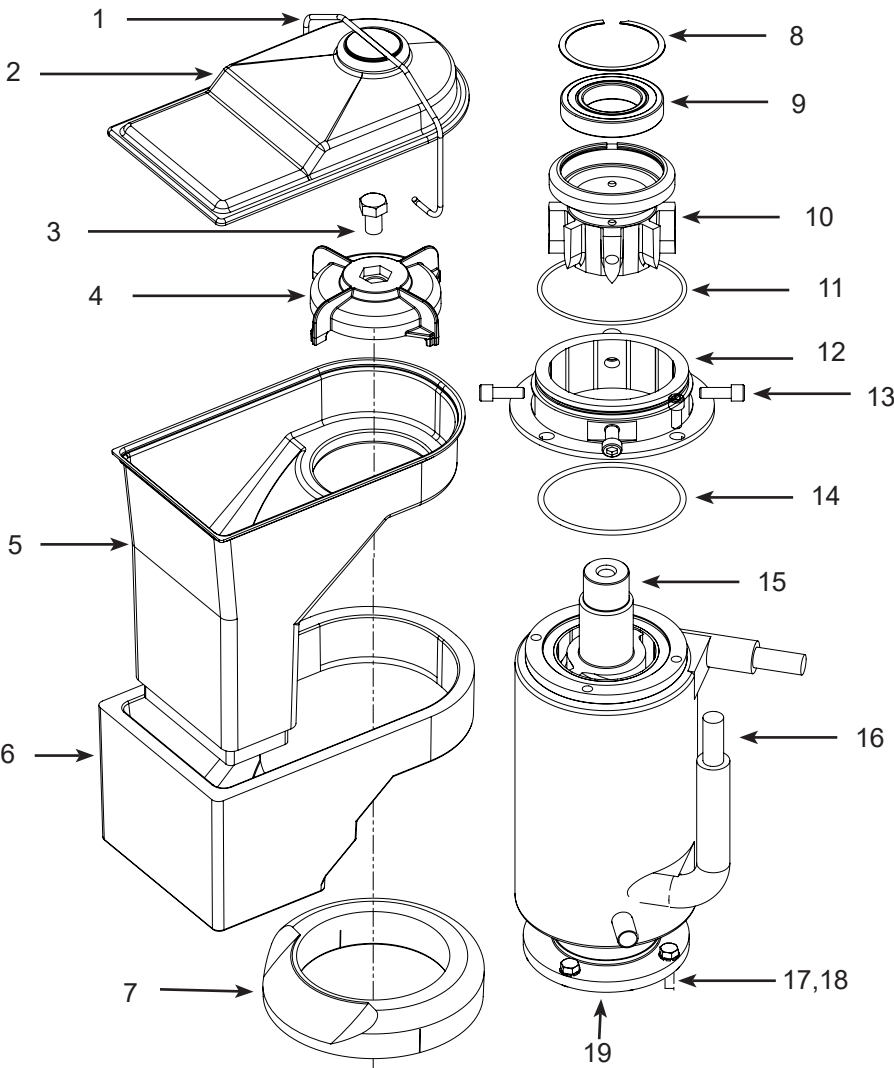
NS5 16-1100-09 Line set tube end, liquid

Service Parts

Evaporator System, Hard Nugget (NH)

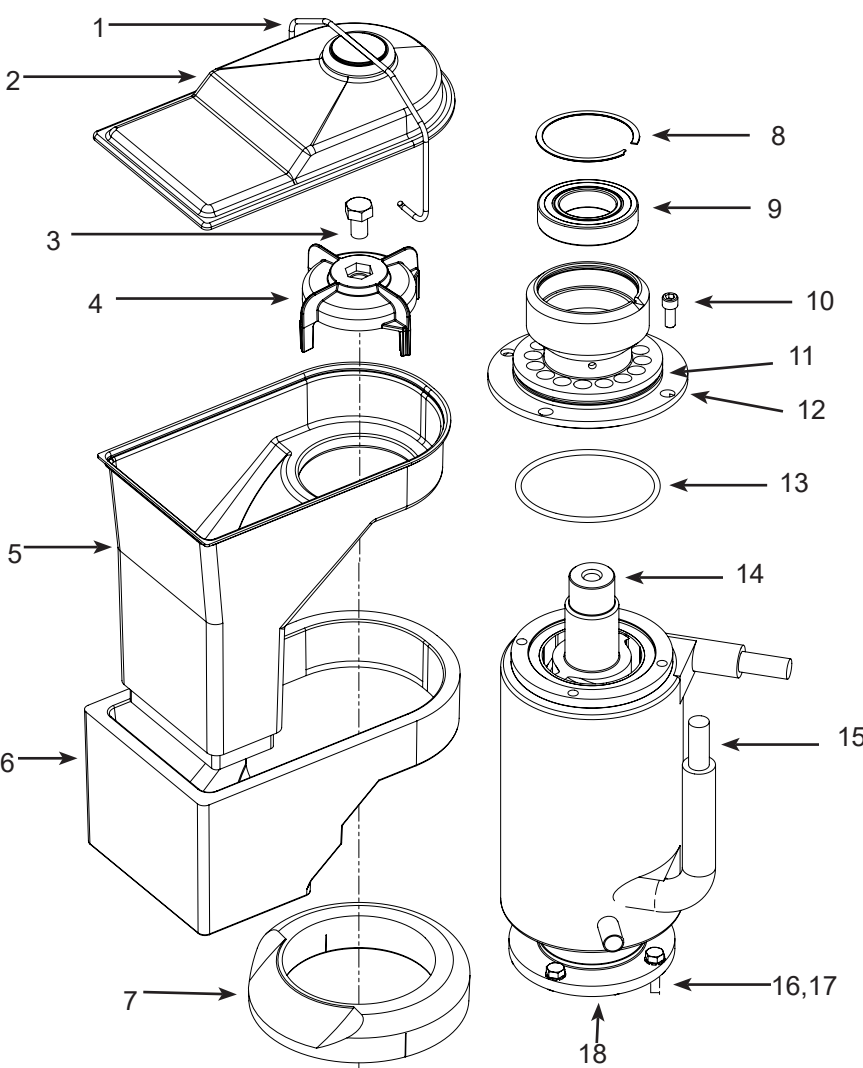
Evaporator System, Soft Nugget (NS)

Evaporator System, Flaker (FS)



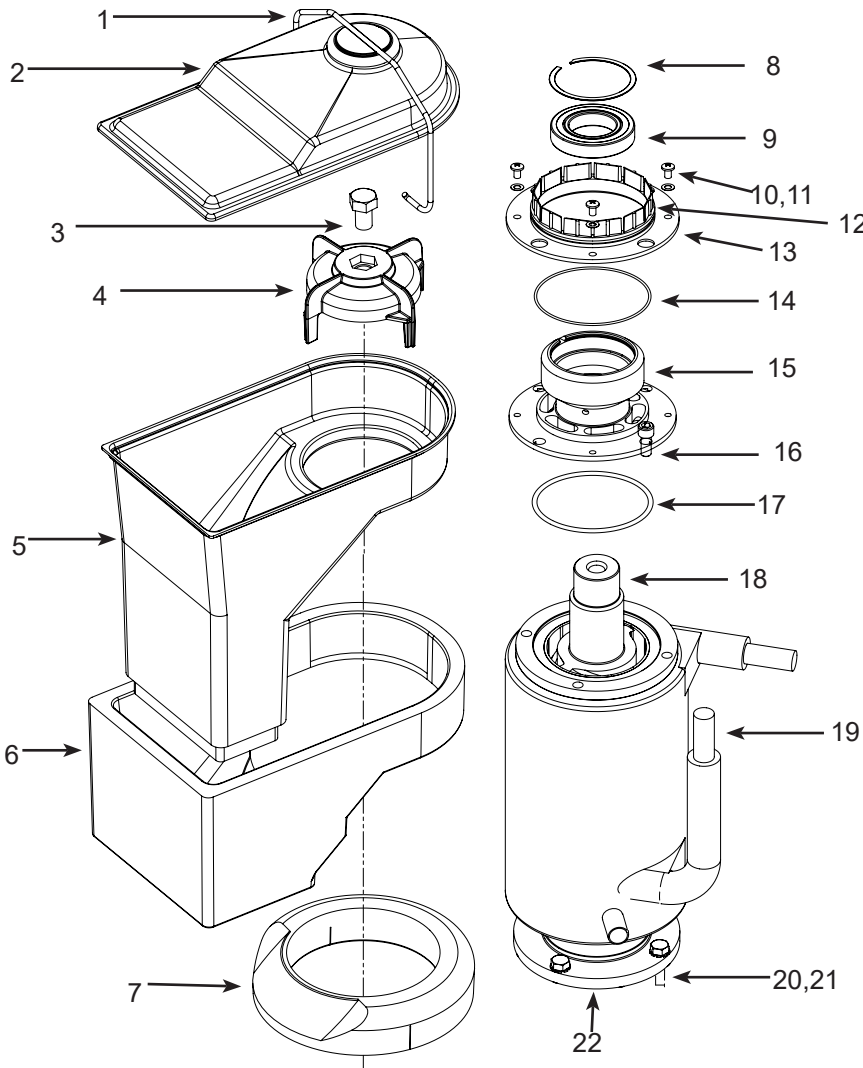
Hard Nugget:

NH0422X, NH0622X, NH0922X, NH1322



Soft Nugget:

NS0422X, NS0622X, NS0922X, NS1322X



Flaker

FS0522X, FS0822X, FS1222X, FS1522X

Item Number	Part Number	Description
1	02-5074-01	Bail clamp
2	02-5073-01	Ice chute cover
3	03-1405-52	Hex head cap screw, 1/2"-13
4	02-5071-02	Ice sweep
5	02-5072-02	Ice chute
6	02-5086-02	Ice chute insulation
7	13-0929-03	Insulation collar
8	02-5070-01	Retaining ring
9	02-5069-01	Top bearing
10	02-5050-01	Extruder
10a	A40991-023	Extruder/Bearing assembly kit (includes 8,9,10)
11	13-0617-52	O-ring
12	02-5049-01	Extruder adapter
13	03-1544-08	Allen head screw, 5/16-18x3/4"
14	13-0617-45	O-ring
15	02-5060-01	Auger- NH0422, NH0622
	02-5060-02	Auger- NH0922, NH1322
16	02-5061-21	Evaporator- NH0422, NH0622
	02-5061-22	Evaporator- NH0922, NH1322
17	03-1417-13	Lock washer 5/16"
18	03-1405-38	Hex head cap screw, 5/16-18x3/4"
19	A40174-001	Evaporator/Gearbox adapter assembly
NS1	02-0929-23	Water Seal
NS2	A40991-033	Conversion to hard nugget (includes 4,5,6,7,8,9,10,11,12,13,14)

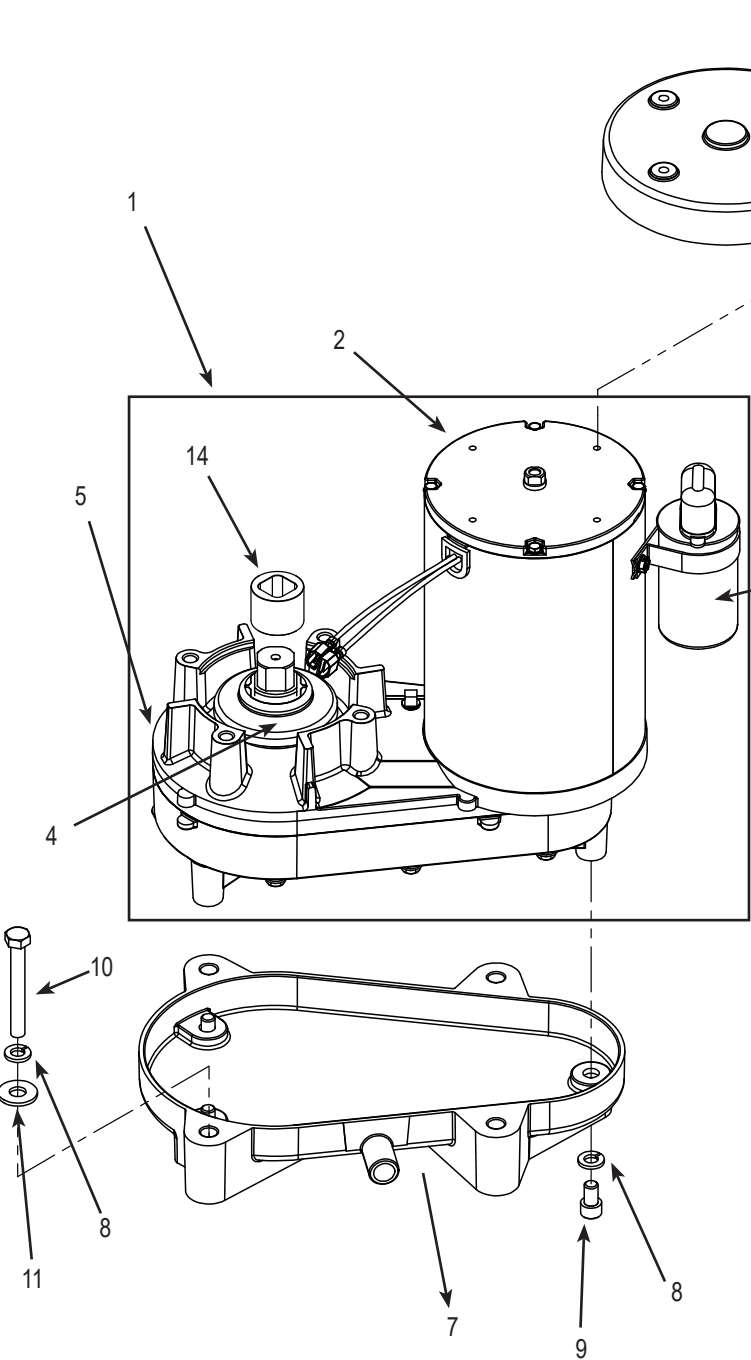
Item Number	Part Number	Description
1	02-5074-01	Bail clamp
2	02-5073-01	Ice chute cover
3	03-1405-52	Hex head cap screw, 1/2"-13
4	02-5071-01	Ice sweep
5	02-5072-01	Ice chute
6	02-5086-01	Ice chute insulation
7	13-0929-02	Insulation collar
8	02-5070-01	Retaining ring
9	02-5069-01	Top bearing
10	03-1544-08	Allen head screw, 5/16-18x3/4"
11	13-0617-52	O-ring
12	02-5067-01	Extruder
12a	A40991-021	Extruder/Bearing assembly kit (includes 8,9,11,12,13)
13	13-0617-45	O-ring
14	02-5060-01	Auger- NS0422, NS0622
	02-5060-02	Auger- NS0922, NS1322
15	02-5061-21	Evaporator- NS0422, NS0622
	02-5061-22	Evaporator- NS0922, NS1322
16	03-1417-13	Lock washer 5/16"
17	03-1405-38	Hex head cap screw, 5/16-18x3/4"
18	A40174-001	Evaporator/Gearbox adapter assembly
NS1	02-0929-23	Water Seal
NS2	A40991-031	Conversion to soft nugget kit (includes 4,5,6,7,8,9,11,12,13)

Short - NH0422X, NS0422X, FS0522X, NH0622X, NS0622X, FS0822X
Tall - NH0922X, NS0922X, FS1222X, NH1322X, NS1322X, FS1522X

Item Number	Part Number	Description
1	02-5074-01	Bail clamp
2	02-5073-01	Ice chute cover
3	03-1405-52	Hex head cap screw, 1/2"-13
4	02-5071-01	Ice sweep
5	02-5072-01	Ice chute
6	02-5086-01	Ice chute insulation
7	13-0929-01	Insulation collar
8	02-5070-01	Retaining ring
9	02-5069-01	Top bearing
10	03-1408-36	Washer
11	03-1403-27	Screw #10-24
12	13-0617-52	O-ring
13	02-2916-01	Slotted collar
14	13-0617-49	O-ring
15	02-5068-01	Extruder
15a	A40991-022	Extruder/Bearing Assembly Kit (includes 8,9,15,17)
16	03-1544-08	Allen head screw, 5/16-18x3/4"
17	13-0617-45	O-ring
18	02-5060-01	Auger- FS0522X, FS0822X
	02-5060-02	Auger- FS1222X, FS1522X
19	02-5061-21	Evaporator- FS0522X, FS0822X
	02-5061-22	Evaporato- FS1222X, FS1522X
20	03-1417-13	Lock washer 5/16"
21	03-1405-38	Hex head cap screw, 5/16-18x3/4"
22	A40174-001	Evaporator/Gearbox adapter assembly
NS1	02-0929-23	Water Seal
NS2	A40991-032	Conversion to flaker kit (includes 4,5,6,7,8,9,10,11,12,13,14,15,17)

Service Parts

Gear Reducer and Motor



Item Number	Part Number	Description
1	12-3151-21*	Complete assy 115V
	12-3151-22*	Complete assy 208-230V
* Includes items 2, 3, 5, and is charged with gear oil.		
2	12-3151-31	Drive motor, 115V
	12-3151-32	Drive Motor, 208-230V
3	12-3151-24	Capacitor kit, 115V
	12-3151-25	Capacitor kit, 208-230V
4	02-4786-01	Water Shed
5	12-3083-23	Gearbox kit, assembled w/out motor, includes item
6	A32379-027	Oil, 1 Container
7	02-5066-01	Gearbox drip pan
8	03-1410-04	Lock washer 5/16"
9	03-1544-09	Screw, socket head cap, 5/16-18 x 1-1/2"
10	03-1405-22	Screw, hex Cap, 5/16-18 x 1-1/2"
11	03-1407-07	Flat Washer 5/16"
12	02-5104-01	Motor Shield
13	03-1403-32	Screw, #10-24 x 3/4"
14	02-4838-01	Drive coupling

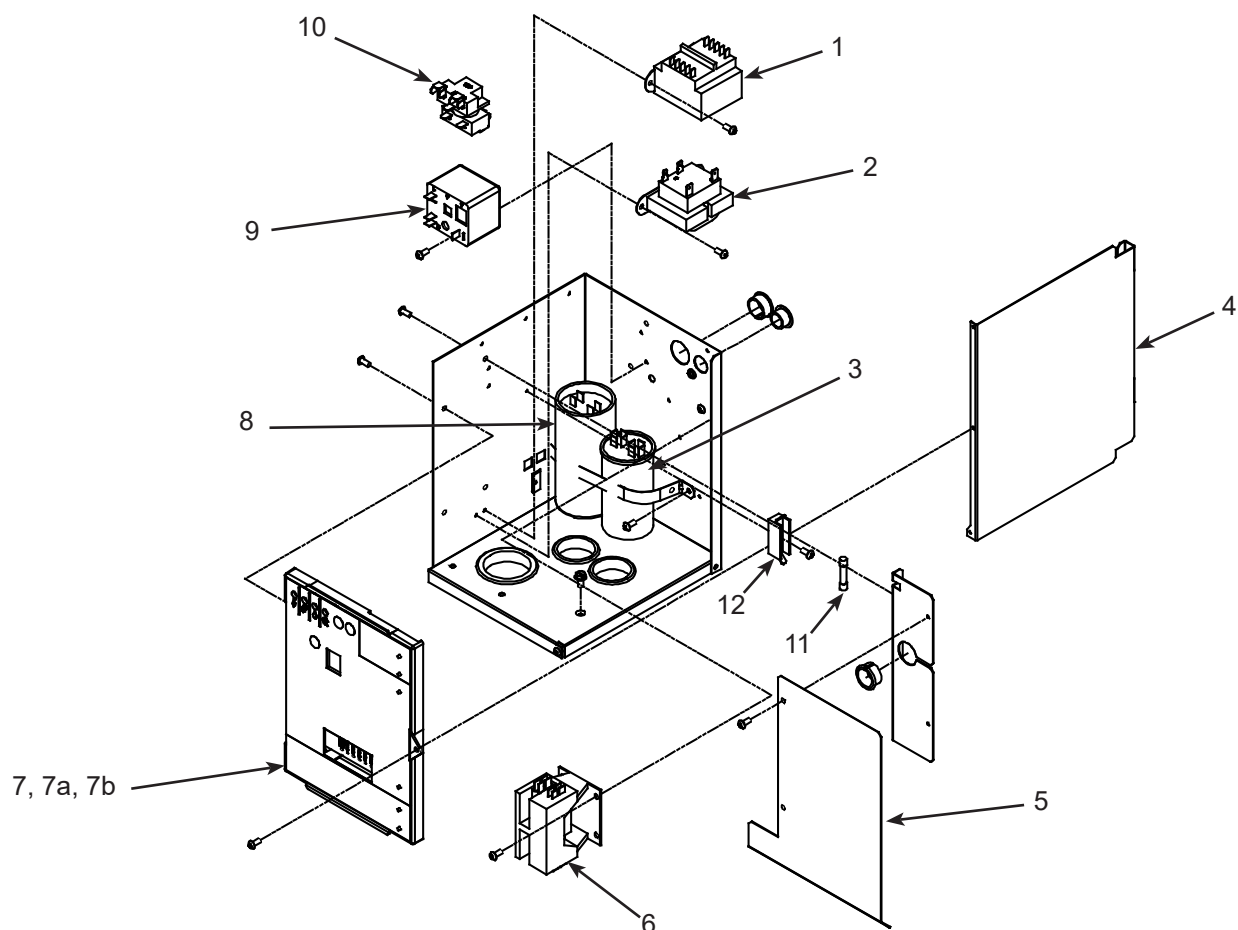
Not Shown:

15	12-3151-33	First Gear (Phenolic)
16	12-3151-34	Gasket

Oil Charge is 14 Oz.

Service Parts

Electrical & Control Box



Item Number	Part Number	Description	Harnesses (not shown)
1	12-2639-01	Transformer, 50 Hz	NS1 12-2976-01 Low voltage harness
2	12-2924-01	Transformer, 115 v	NS2 12-2994-01 High voltage harness, AW
	12-2924-02	Transformer, 208-230 60 Hz	NS3 12-2966-01 High voltage harness, Rem
3	see page 15	Run capacitor	
4	A39198-001	Side cover	
5	A39216-001	Shield	
6	12-3220-01	Power Relay, 115 volt	
	12-3220-02	Power Relay, 208-230 volt 60 Hz, single phase	
	12-2533-02	Contactor, 3 phase	
7	11-0660-21	Controller	
7a	02-4407-01	Graphic overlay	
7b	02-4076-01	Control box door	
8	see next page	Start capacitor	
9	see next page	Potential relay	
10	see next page	Start relay	
11	12-2686-01	Fuse, 50 Hz only	
12	12-2687-01	Fuse block, 50 Hz only	

Service Parts

Compressors

Model	Series	Electrical	Compressor	Overload	Relay	Start Cap	Run Cap
NH0422X, NS0422X, FS0522X -1	A	115/60/1	18-9013-21	18-8929-23	18-1903-64	18-1901-63	not used
NH0622X, NS0622X, FS0822X -1	A	115/60/1	18-9012-21	Internal	18-1903-80	18-1901-65	18-1902-64
NH0622X, NH0622X, FS0822X -32	A	208-230/60/1	18-8949-22	18-8949-51	18-1903-79	18-1901-66	18-1902-30
NS0622X -6	A	230/50/1	18-8949-23	18-8949-52	18-1903-70	18-1901-52	18-1902-66
NH0922X, NS0922X -1	A	115/60/1	18-9007-21	Internal	18-1903-78	18-1901-69	18-1902-27
NH0922X, NS0922X, FS1222X -32	A	208-230/60/1	18-9007-22	Internal	18-1903-79	18-1901-20	18-1902-67
NH0922X, NS0922X, FS1222X -3	A	208-230/60/3	18-8955-23	18-8955-53	-	-	-
NS0922X, FS1222X -6	A	230/50/1	18-8990-26	Internal	18-1903-71	-	-
NH1322X, NS1322X, FS1522X -32	A	208-230/60/1	18-9017-22	Internal	18-1903-46	18-1901-48	18-1902-74
NH1322X, NS1322X, FS1522X -3	A	208-230/60/3	18-8749-24	Internal	-	-	-

Compressor Mounting Hardware

Model	Series	Bolt	Grommet	Washer	Sleeve
NH0422X, NS0422X, FS0522X	A	03-1405-20	18-4700-28	03-1407-07	18-0108-41
NH0622X, NS0622X, FS0822X	A	03-1405-20	18-2200-28	03-1407-07	18-2200-27
NH0922X, NS0922X, FS1222X	A	03-1405-20	18-2200-28	03-1407-07	18-2200-27
NH1322X, NS1322X, FS1522X	A	03-1405-20	18-2300-27	03-1407-07	18-2300-26

Crankcase Heaters

Model	Series	Voltage	Heater
NH0622R-1, NS0622R-1, FS0822R-1	A	115	12-3043-01
NH0922R-1, NS0922R-1	A	115	12-3043-01
NH0922R-32, NS0922R-32, FS1222R-32	A	230	12-3043-02
FS1222R-3	A	230, 3 phase	12-3043-02
NH1322R-32, NS1322R-32, FS1522R-32	A	230	12-3043-03

Service Parts

Wiring Diagram - NH0422X, NS0422X, and FS0522X - Air/Water Single Phase (-1)

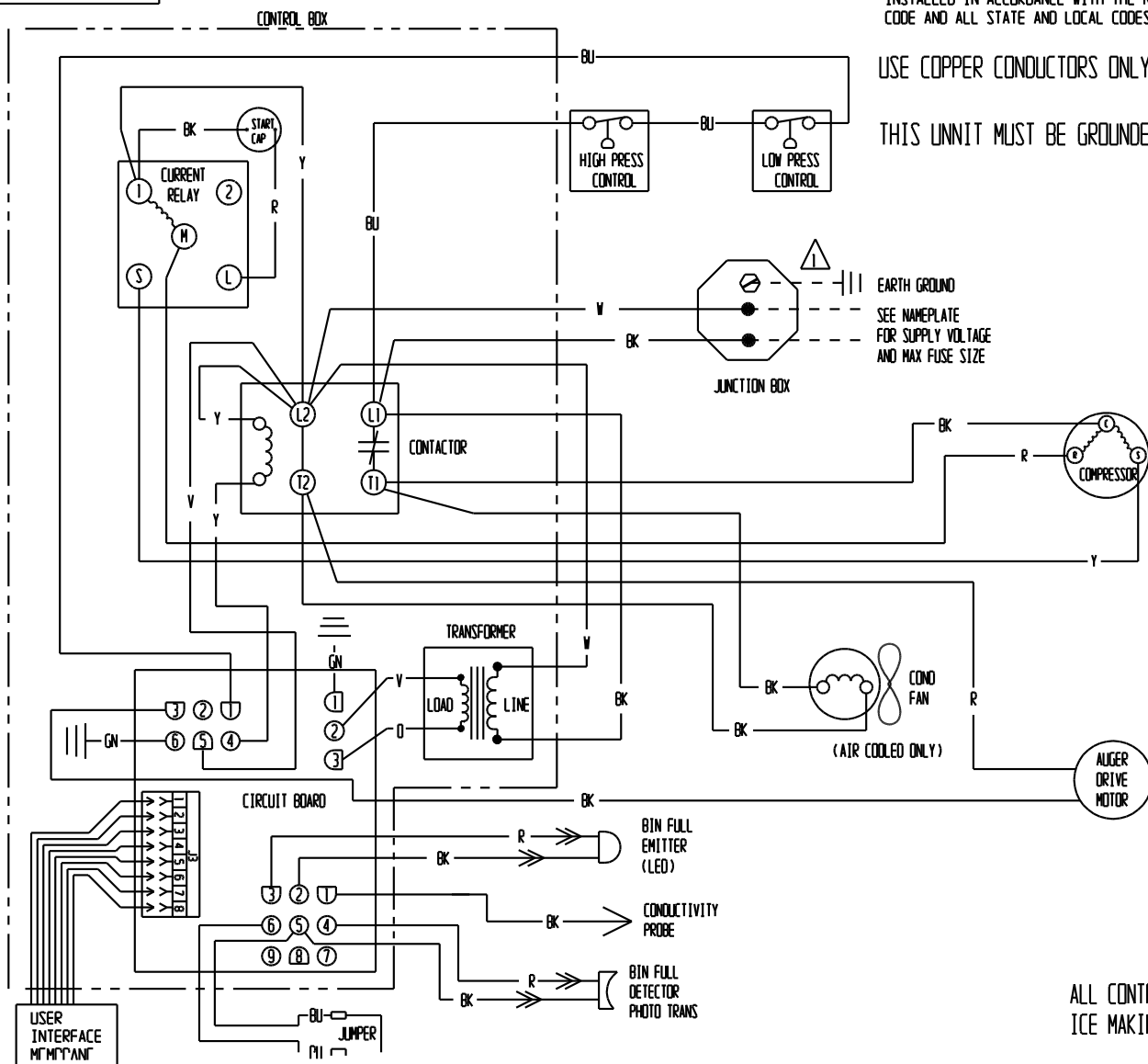
17-3705-01

1 DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.

USE COPPER CONDUCTORS ONLY

THIS UNIT MUST BE GROUND

EARTH GROUND
SEE NAMEPLATE
FOR SUPPLY VOLTAGE
AND MAX FUSE SIZE



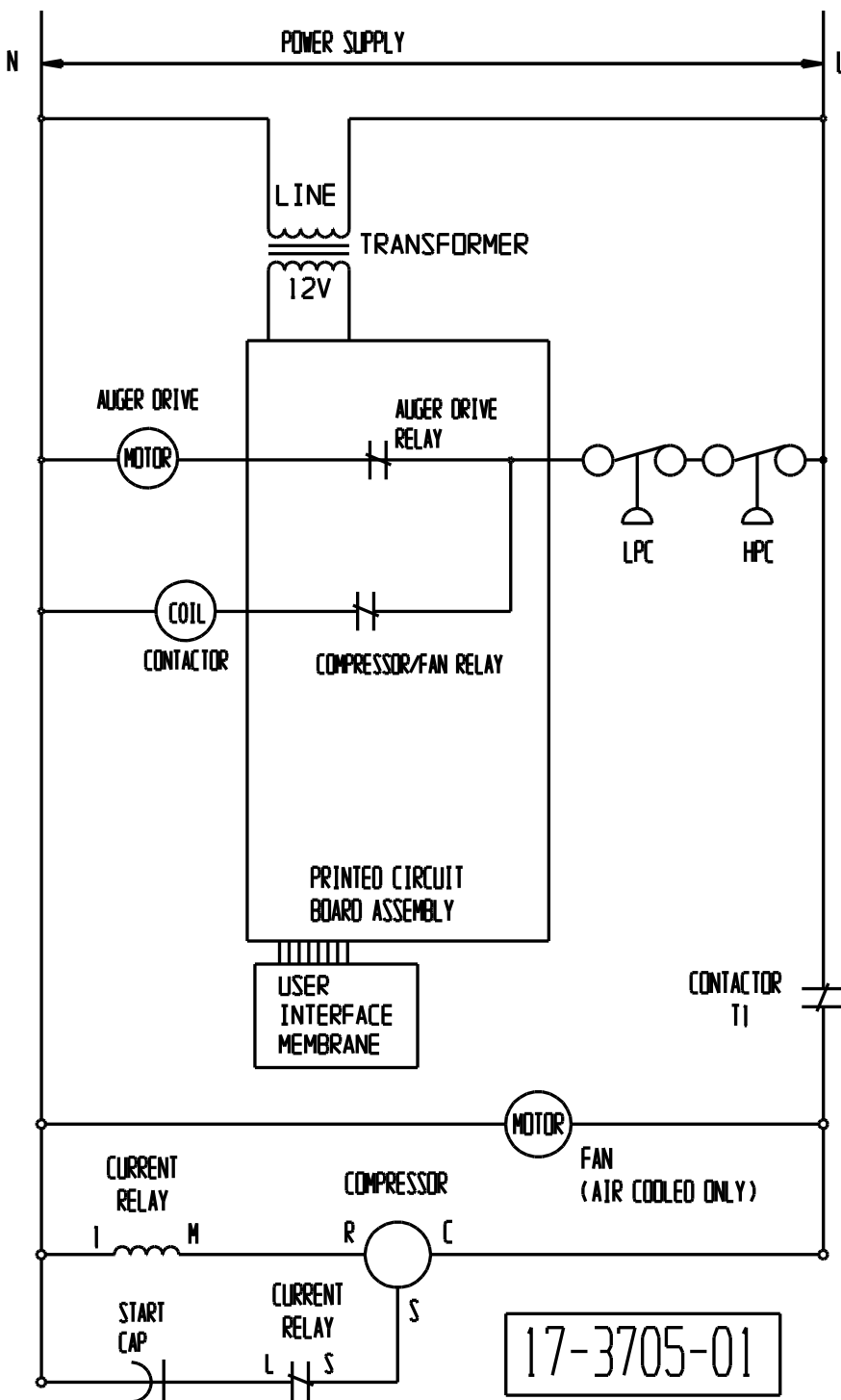
ALL CONTROLS SHOWN IN
ICE MAKING MODE

Service Parts

Schematic Diagram - NH0422X, NS0422X, and FS0522X - Air/Water Single Phase (-1)

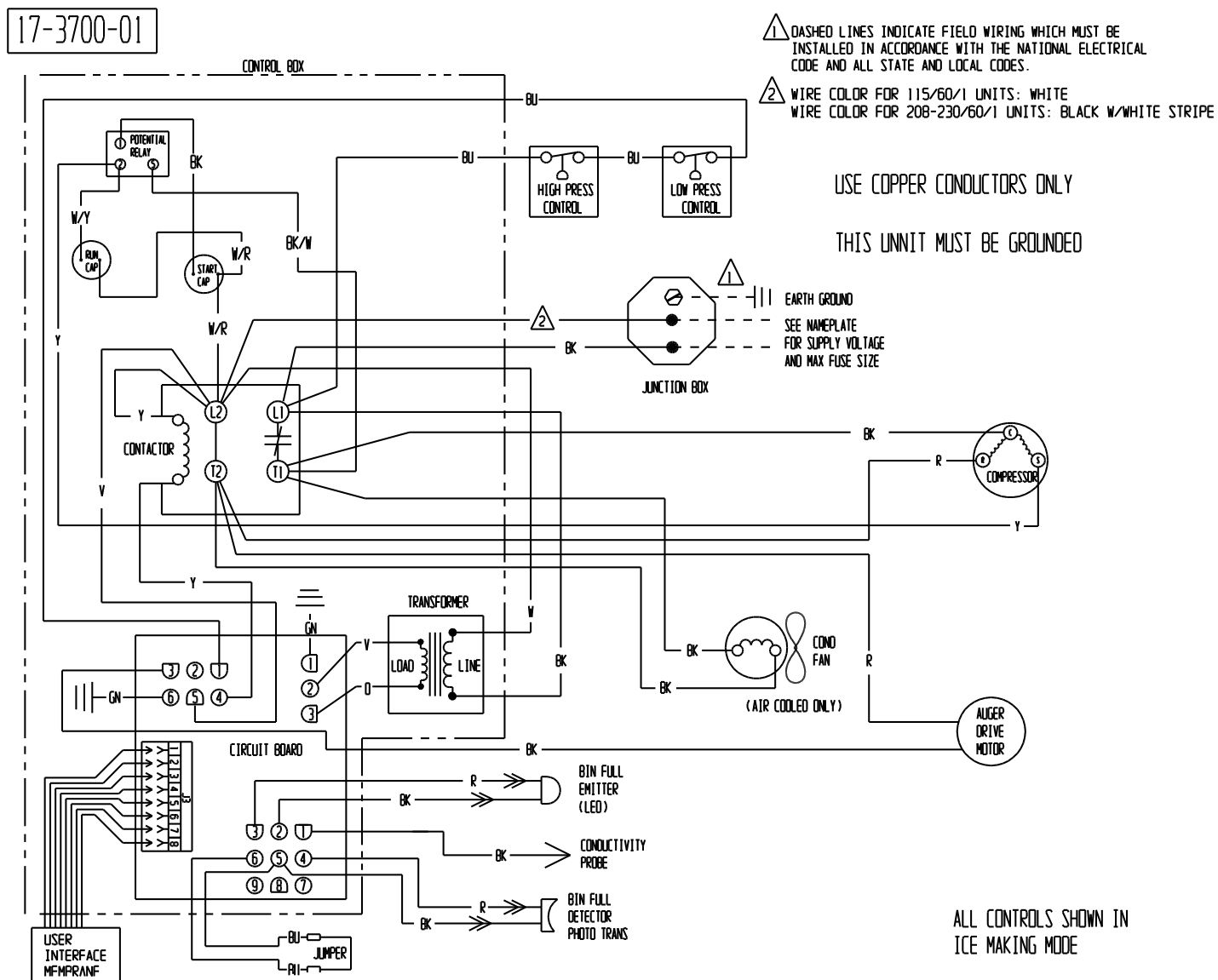
CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.



Service Parts

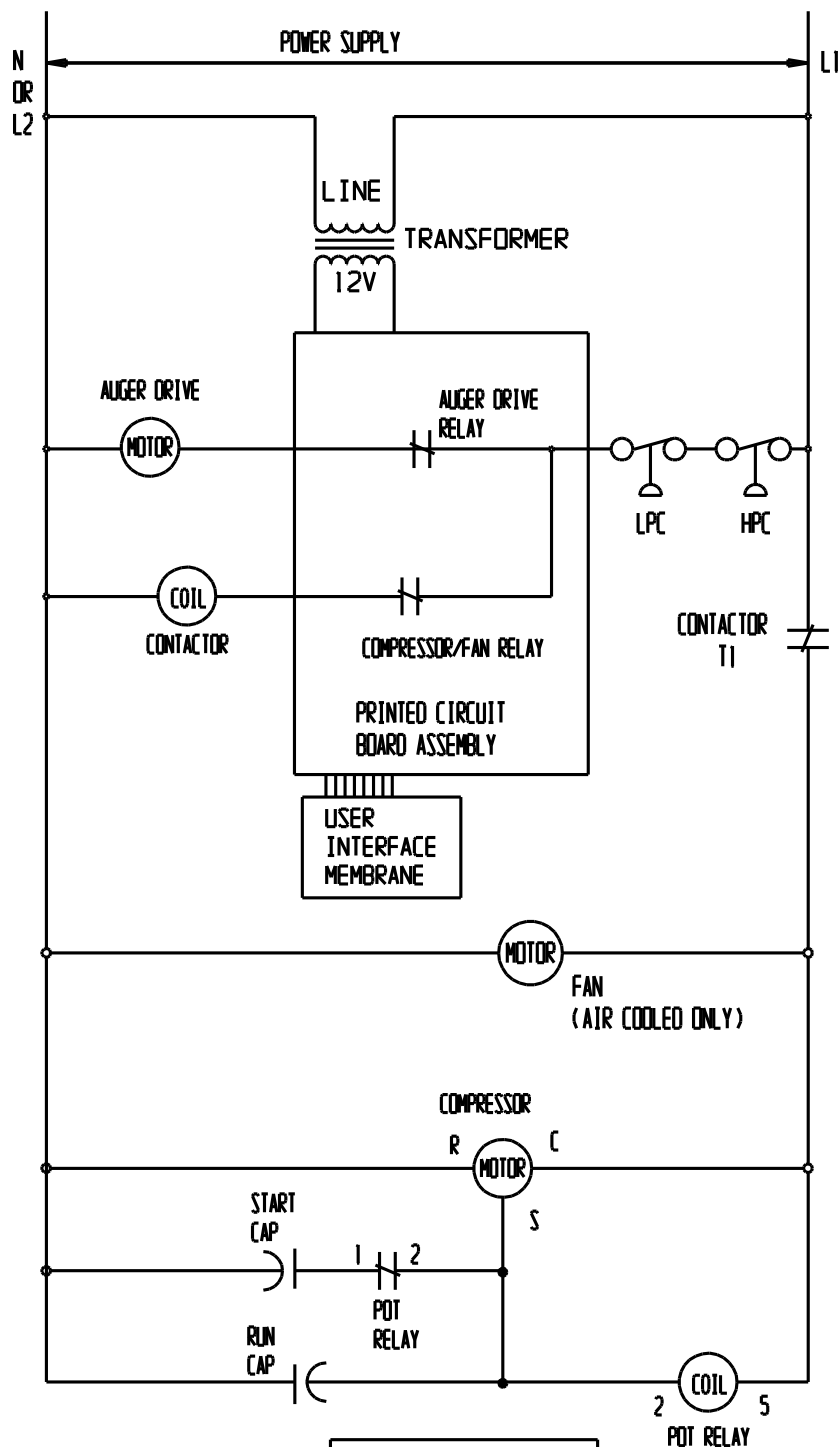
Wiring Diagram - NH0622, NS0622, FS0822, NH0922, NS0922, FS1222X, NH1322X, NS1322X, and FS1522X - Air/Water Single Phase (-1 and -32)



Service Parts

Schematic Diagram - NH0622X, NS0622X, FS0822X, NH0922X, NS0922X, FS1222X, NH1322X, NS1322X, and FS1522X - Air/Water Single Phase (-1 and -32)

CAUTION:
MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.



17-3700-01

Service Parts

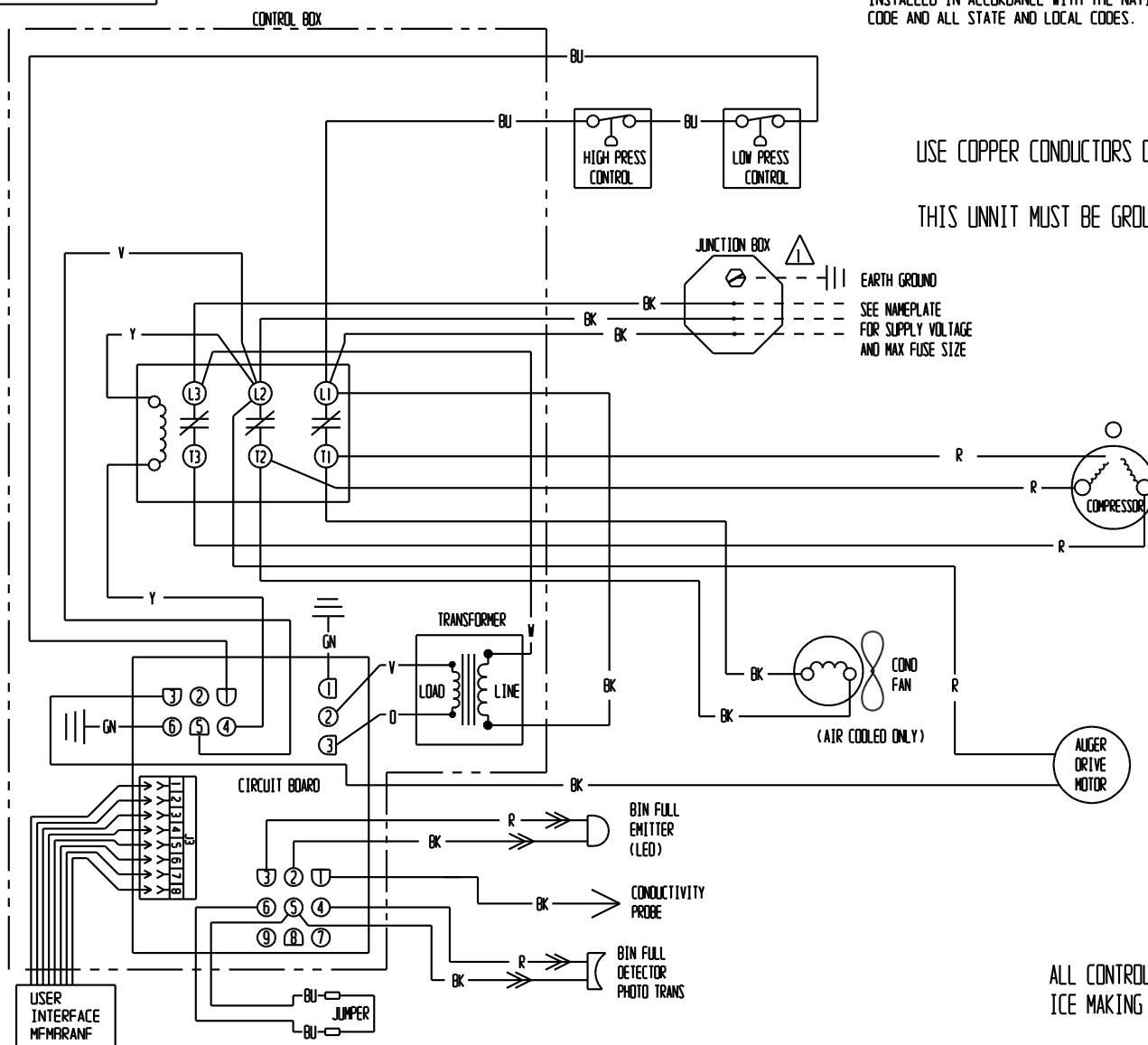
Wiring Diagram - NS0922X, FS1222X, NH1322X, NS1322X - Air/Water Three Phase (-3)

17-3703-01

⚠ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.

USE COPPER CONDUCTORS ONLY

THIS UNIT MUST BE GROUNDED

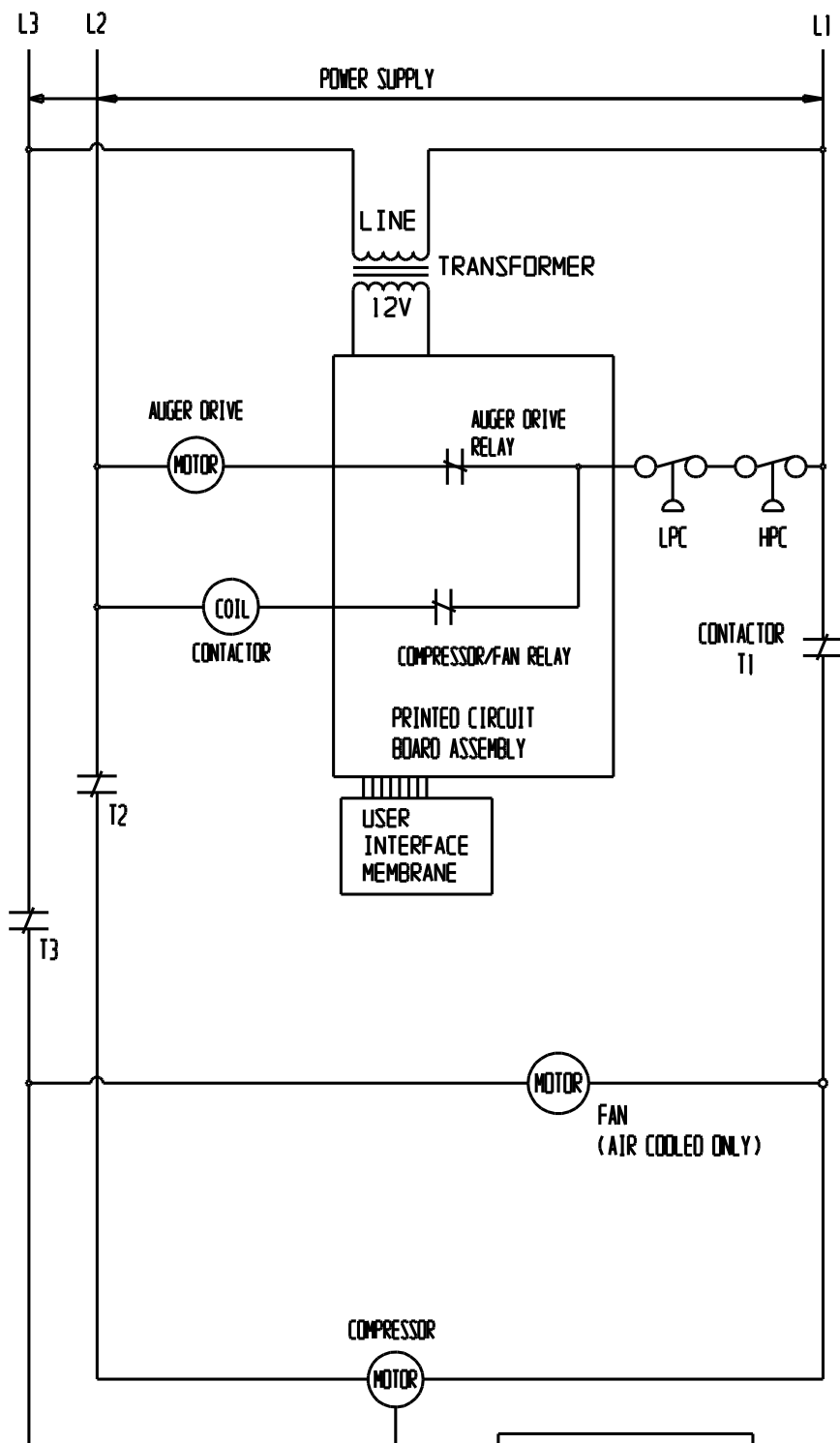


ALL CONTROLS SHOWN IN ICE MAKING MODE

Service Parts

Schematic Diagram - NS0922X, FS1222X, NH1322X, NS1322X - Air/Water Three Phase (-3)

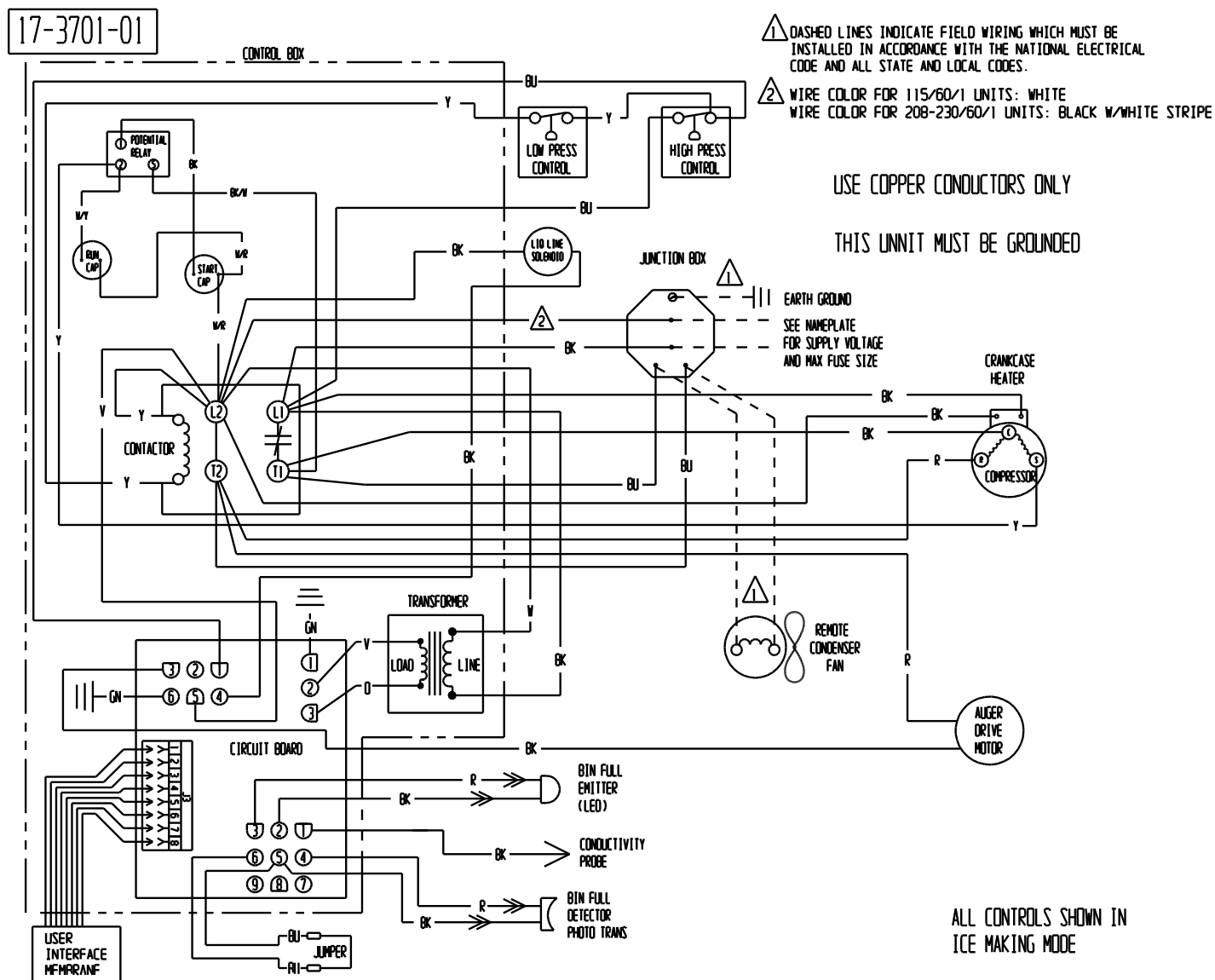
CAUTION:
MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.



17-3703-01

Service Parts

**Wiring Diagram - NH0622X, NS0622X, FS0822X, NH0922X,
NS0922X, FS1222X, NH1322X, NS1322X - Remote Single Phase (-1 and -32)**

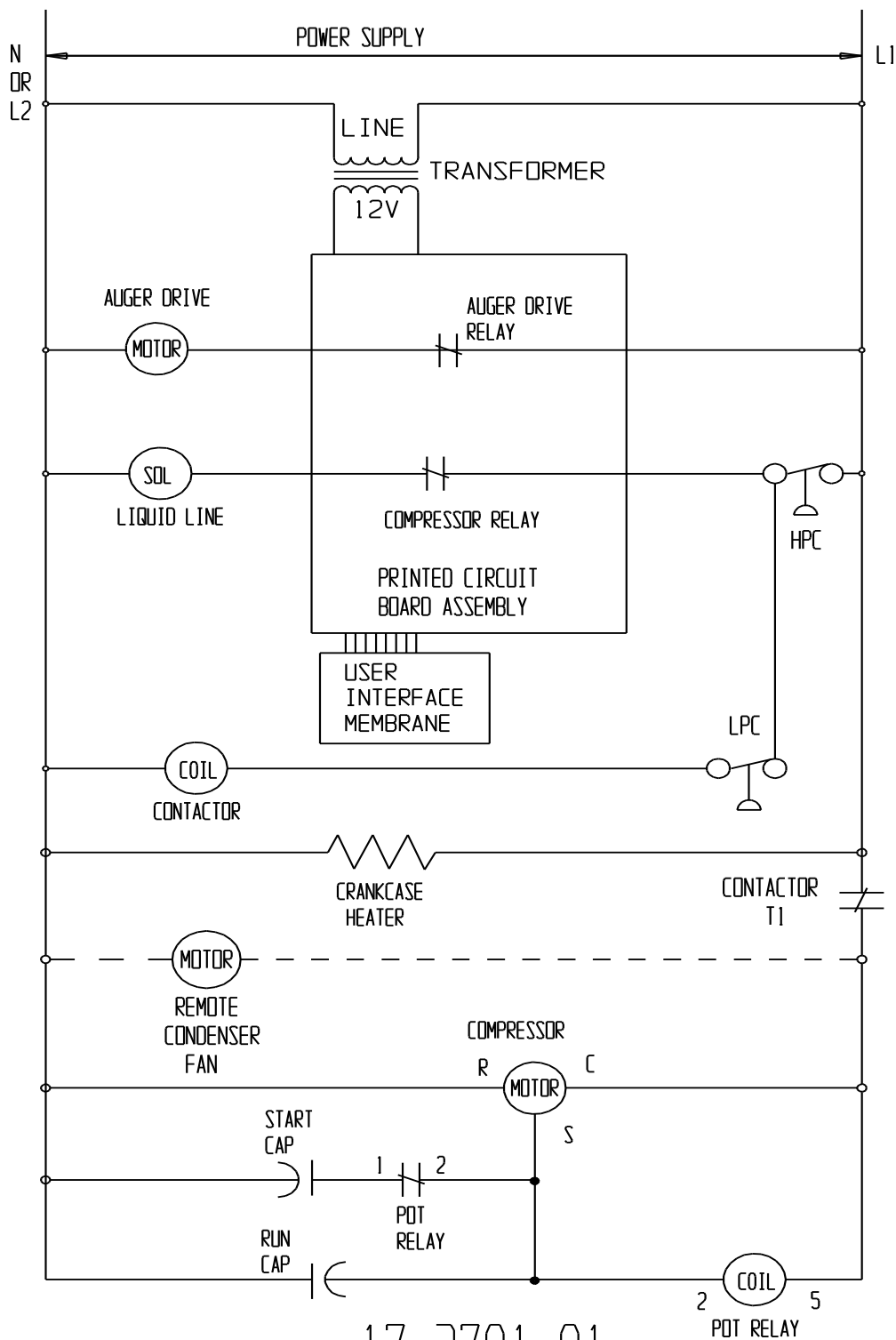


Service Parts

Schematic Diagram - NH0622X, NS0622X, FS0822X, NH0922X,
NS0922X, FS1222X, NH1322X, NS1322X - Remote Single Phase (-1 and -32)

CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.



17-3701-01

Service Parts

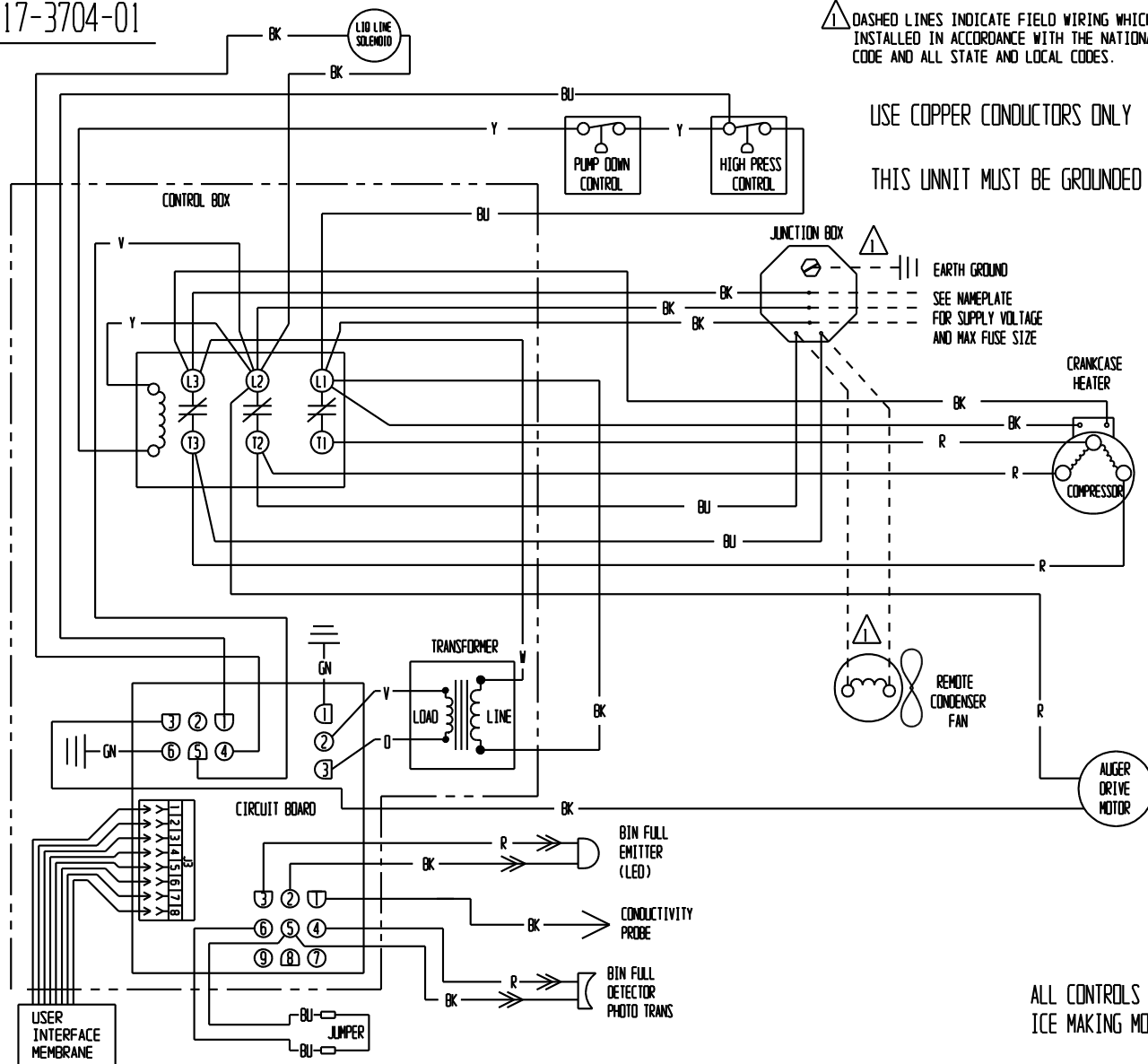
Wiring Diagram - FS1222X - Remote Three Phase (-3)

17-3704-01

△ DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.

USE COPPER CONDUCTORS ONLY

THIS UNIT MUST BE GROUNDED

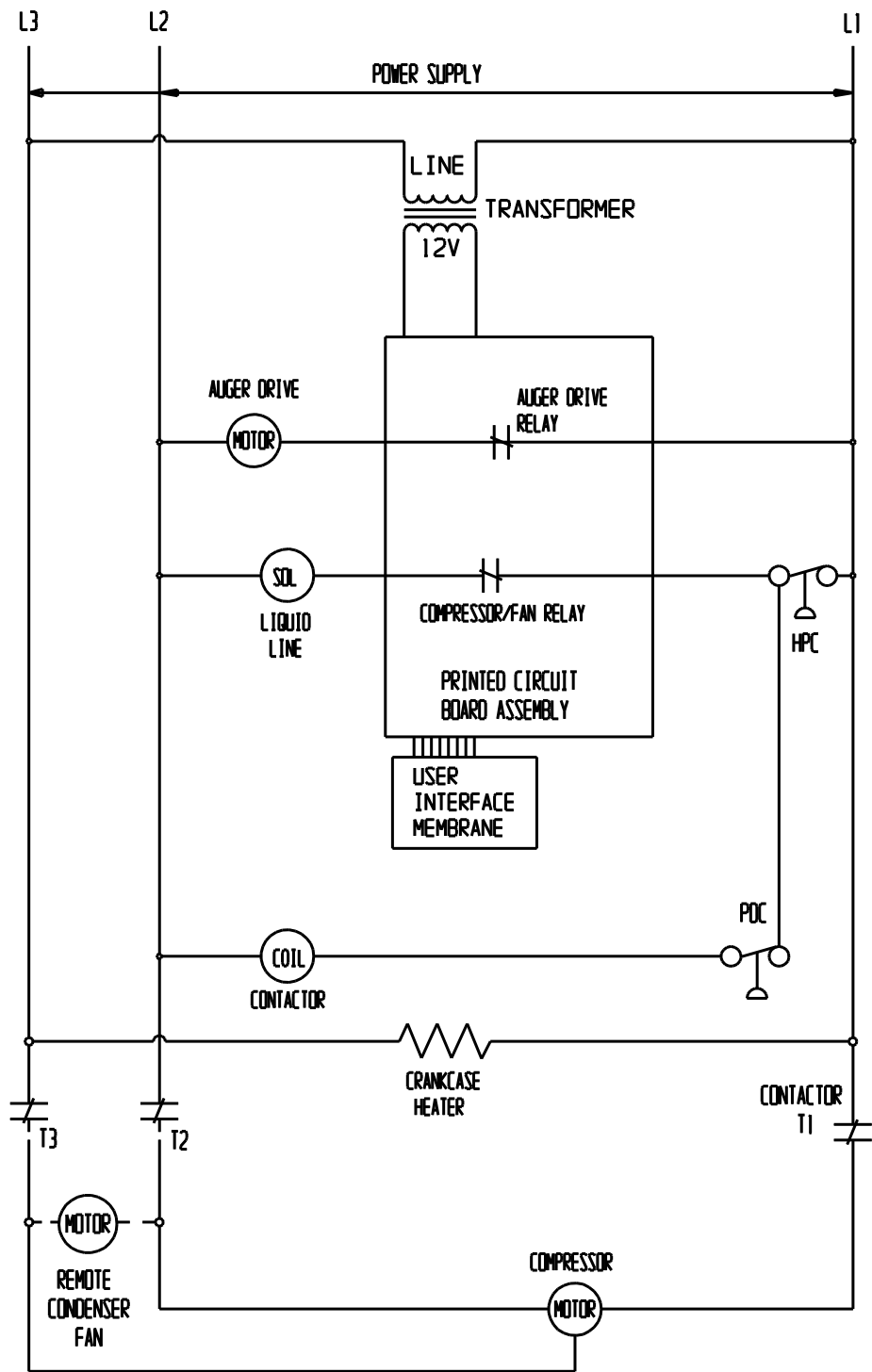


ALL CONTROLS SHOWN IN ICE MAKING MODE

Service Parts

Schematic Diagram - FS1222X - Remote Three Phase (-3)

CAUTION:
MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.



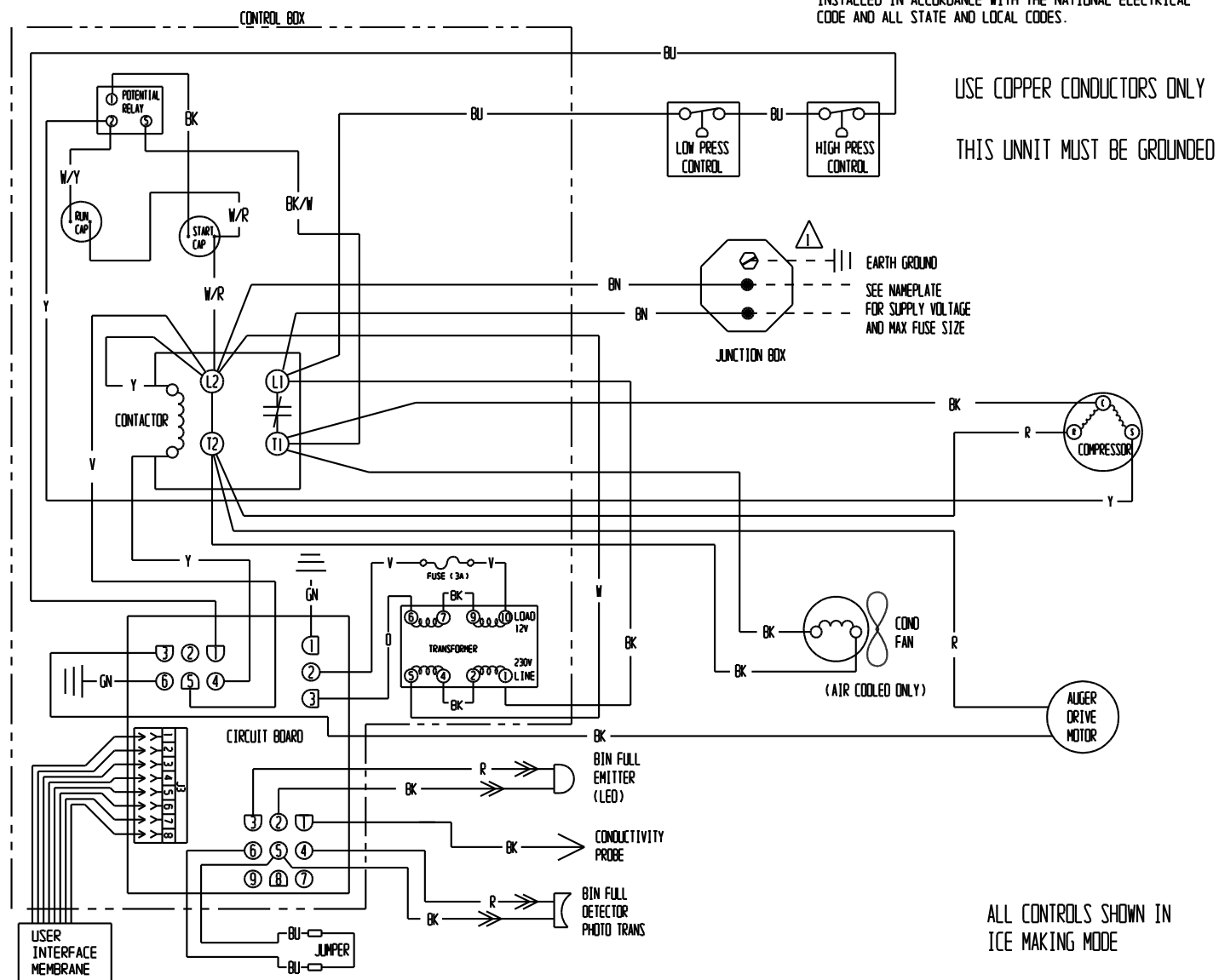
17-3704-01

Service Parts

Wiring Diagram - NS0622X, NS0922X, FS1222X - Air 50 Hz (-6)

17-3702-01

 DASHED LINES INDICATE FIELD WIRING WHICH MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.



Service Parts

Schematic Diagram - NS0622X, NS0922X, FS1222X - Air 50 Hz (-6)

CAUTION:

MORE THAN ONE DISCONNECT MEANS MAY BE
REQUIRED TO DISCONNECT ALL POWER TO THIS UNIT.

