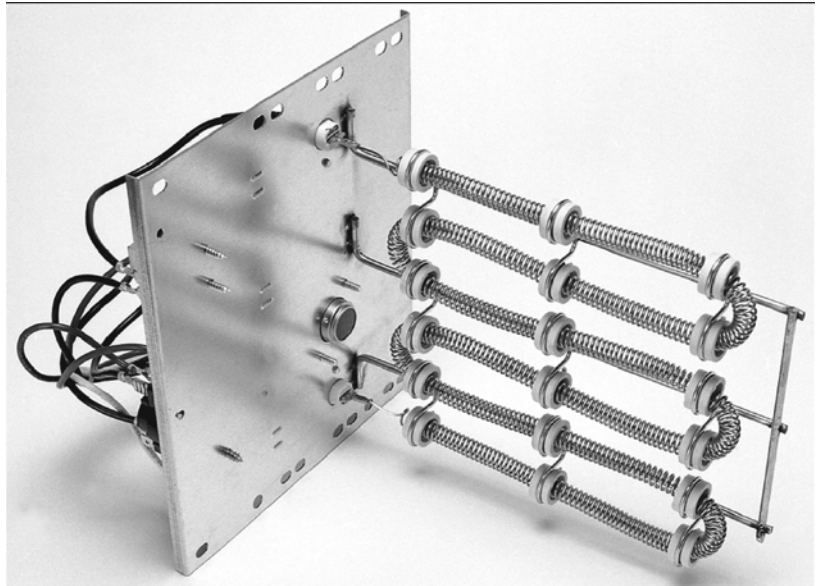


REPAIR PARTS

HKSC /HKSX Electric Heater Kits

HKSC05XCCA
HKSC08XCCA
HKSC10XCCA
HKSC15XACA
HKSC15XBCA
HKSC15XFBA
HKSC19CACA
HKSC19CBCA
HKSC19CHBA
HKSC20DACA
HKSC20DBCA
HKSC20DHBA
HKSC20XFBA
HKSC25DABA
HKSC25DBBA
HKSC25DCCA
HKSX03XCCA
HKSX05XCCA
HKSX06XCCA
HKSX08XCCA
HKSX10XCCA
HKSX15XFBA
HKSX20XFBA



This manual is to be used by qualified technicians only.

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Important Information

Index

Functional Parts List	3
Illustration and Parts	4 - 15

Views shown are for parts illustrations only, not servicing procedures.

Text Codes:

AR - As Required

NA - Not Available

NS - Not Shown

00000000 - See Note

QTY - Quantity Example (QTY 3) (If Quantity not shown, Quantity = 1)

M - Model Example (M1) (If M Code not shown, then part is used on all Models)

Expanded Model Nomenclature:

Example M1 - Model#1 M2 - Model#2 M3 - Model#3

Goodman Manufacturing Company, L.P. is not responsible for personal injury or property damage resulting from improper service. Review all service information before beginning repairs.

Warranty service must be performed by an authorized technician, using authorized factory parts. If service is required after the warranty expires, Goodman Manufacturing Company, L.P. also recommends contacting an authorized technician and using authorized factory parts.

Goodman Manufacturing Company, L.P. reserves the right to discontinue, or change at any time, specifications or designs without notice or without incurring obligations.

For assistance within the U.S.A. contact:

Homeowner Support

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

877-254-4729-Telephone

713-863-2382-Facsimile

For assistance outside the U.S.A. contact:

International Division

Goodman Manufacturing Company, L.P.

19001 Kermier Road

Waller, Texas 77484

713-861-2500-Telephone

713-863-2382-Facsimile

Functional Parts

Part

No: Description:

CBK2PD240VD090	CBK, 2 POLE, DUAL, 120/240V (M15)
CBK2PD240VD080	CBK, 2 POLE, DUAL, 120/240V (M14, M16)
CBK2PD240VD045	CBK, 2POLE, DUAL, 120/240V,45A (M7, M9, M10, M12, M14, M16)
CBK2PD240VD060	CBK,2 POLE, DUAL,120/240V (M2, M3, M5, M8, M9, M11, M12, M15)
CBK2PD240VD050	CBK,2 POLE, DUAL,120/240V (M4, M7, M8, M10, M11, M14, M15, M16)
CBK2PD240VC060	CBK,2 POLE, DUAL,120/240V (M1)
CBK3PD240VD050	CBK,3 POLE, DUAL,120/240V (M13)
CBK3PD240VD040	CBK,3 POLE, DUAL,120/240V (M6)
CBK2PD240VC025	CIRCUIT BREAKER, 2 POLE, DUAL, 120/240V (M4, M5, M14, M15, M16)
CONT2P025024V	CONT, 2 POLE, 25 AMP, 24 VAC (M1, M4, M5, M14, M15, M16, M17, M18)
CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M2, M3, M4, M5, M7, M8, M9, M10, M11, M12, M14, M15, M16, M19, M20, M21)
CONT3P050024V	CONT, 3 POLE, 50 AMP, 24 VAC (M6, M22)
CONT3P060024V	CONT, 3 POLE, 60 AMP, 24VAC (M13, M23)
0200195001P	FUSE LINK 84°C (M7, M8, M9, M10, M11, M12, M14, M15, M16, M17)
0200086001P	FUSE LINK 93°C (M1, M2, M3, M4, M5, M6, M18, M19, M20, M21, M22)
0175M00049	HEATER ELEMENT (M14, M15, M16)
0175M00045	HEATER ELEMENT (M2, M20)
0175M00046	HEATER ELEMENT (M3, M21)
0175M00046	HEATER ELEMENT (M21)
0175M00048	HEATER ELEMENT (M10, M11, M12)
0175M00052	HEATER ELEMENT (M7, M8, M9)
0175M00051	HEATER ELEMENT (M19)
0175M00050	HEATER ELEMENT (M17)
0175M00044	HEATER ELEMENT (M1, M18)
0175M00007	HEATER ELEMENT 14.40 KW (M6)
0175M00017	HEATER ELEMENT 14.4KW (M22)
0175M00016	HEATER ELEMENT 20 KW, 3-PHASE (M23)
0175M00013	HEATER ELEMENT, 20KW, 3PHASE (M13)
0200054001P	LIMIT (M7, M8, M9)
0200127001P	LIMIT (M10, M11, M12)
0200161001P	LIMIT (M14, M15, M16)
0200194001P	LIMIT (M1, M2, M3, M4, M5, M6, M17, M18, M19, M20, M21, M22)
0200183001P	LIMIT (ONE SHOT) (M13, M23)
0200151001P	ONE SHOT DEVICE (M23)
B1256559	SEQUENCER (M6, M13, M22, M23)

Expanded Model Nomenclature

M1 - HKSC05XCCA
M2 - HKSC08XCCA
M3 - HKSC10XCCA
M4 - HKSC15XACA
M5 - HKSC15XBACA
M6 - HKSC15XFBA
M7 - HKSC19CACA
M8 - HKSC19CBCA
M9 - HKSC19CHBA
M10 - HKSC20DACA
M11 - HKSC20DBCA
M12 - HKSC20DHBA
M13 - HKSC20XFBA
M14 - HKSC25DABA
M15 - HKSC25DBBA
M16 - HKSC25DCCA
M17 - HKSX03XCCA
M18 - HKSX05XCCA
M19 - HKSX06XCCA
M20 - HKSX08XCCA
M21 - HKSX10XCCA
M22 - HKSX15XFBA
M23 - HKSX20XFBA

IMAGE 1

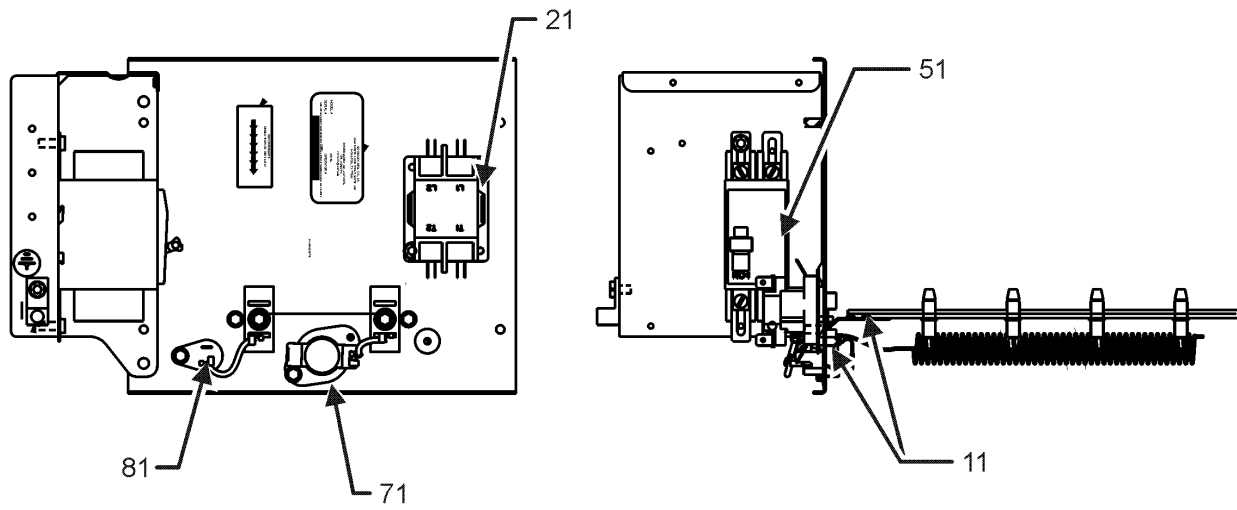


IMAGE 2

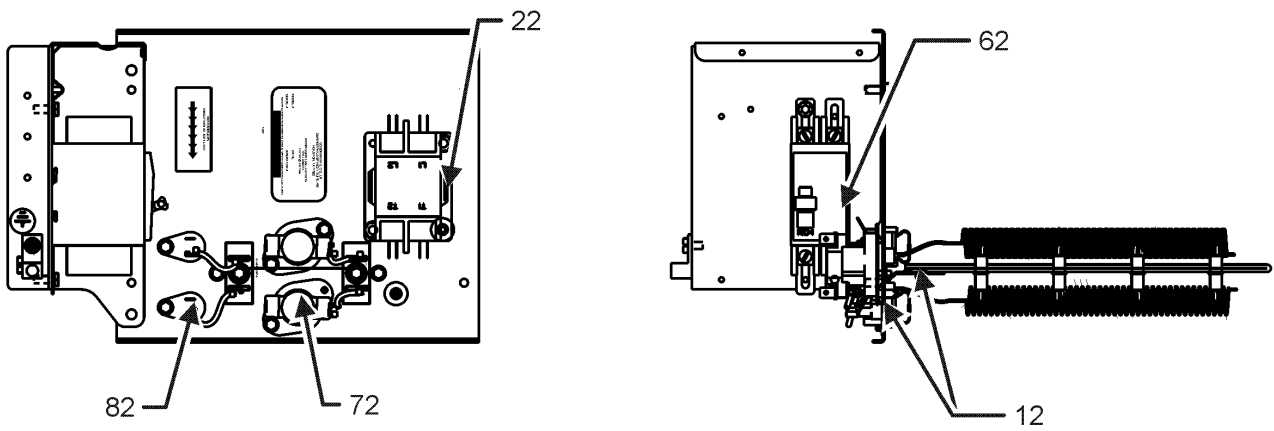
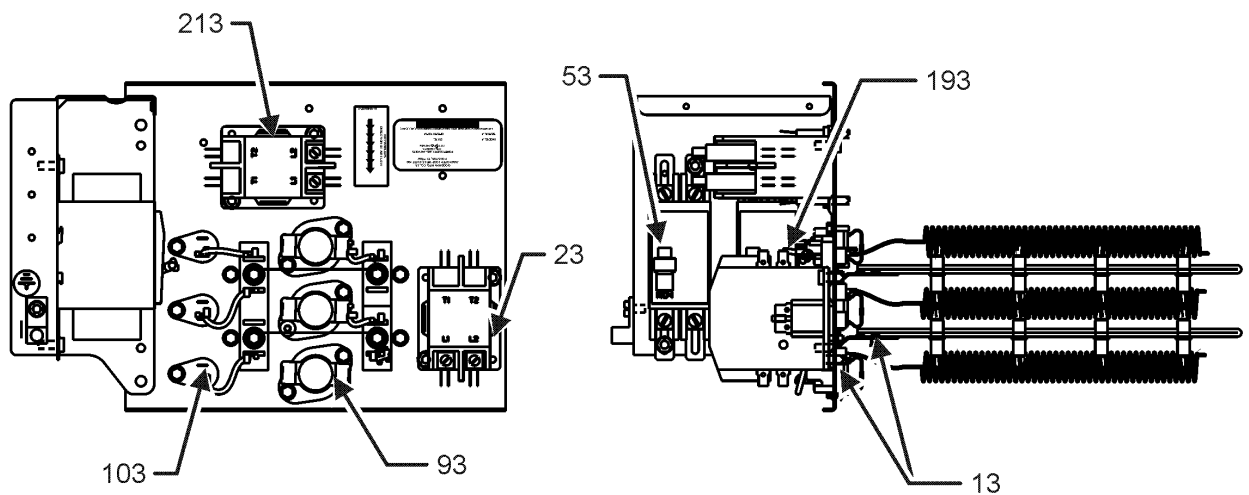


IMAGE 3



HKSC05/08/10/15(A/B)

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0175M00044	HEATER ELEMENT (M1)
21	CONT2P025024V	CONT, 2 POLE, 25AMP, 24 VAC (M1)
51	CBK2PD240VC060	CBK,2 POLE, DUAL,120/240V (M1)
71	0200194001P	LIMIT (M1)
81	0200086001P	FUSE LINK 93°C (M1)
NS	0259K00011	WIRE ASSY, 9 PIN FEMALE (M1)

Image 2:

12	0175M00045	HEATER ELEMENT (M2)
12	0175M00046	HEATER ELEMENT (M3)
22	CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M2, M3)
62	CBK2PD240VD060	CBK,2 POLE, DUAL,120/240V (M2, M3)
72	0200194001P	LIMIT (M2, M3)
82	0200086001P	FUSE LINK 93°C (M2, M3)
NS	0259K00011	WIRE ASSY, 9 PIN FEMALE (M2, M3)

Image 3:

13	0175M00047	HEATER ELEMENT (M4, M5)
23	CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M4, M5)
23	CONT2P025024V	CONTACTOR 25 AMP, 2P, 24V (M4, M5)
53	CBK2PD240VD050	CBK,2 POLE, DUAL,120/240V (M4)
53	CBK2PD240VD060	CBK,2 POLE, DUAL,120/240V (M5)
93	0200194001P	LIMIT (M4, M5)
103	0200086001P	FUSE LINK 93°C (M4, M5)
193	CBK2PD240VC025	CIRCUIT BREAKER, 2 POLE, DUAL, 120/240V (M4, M5)
213	CONT2P040024V	CONT, 2 POLE, 40AMP, 24 VAC (M4, M5)
NS	0259K00012	WIRE ASSY, 9 PIN FEMALE (M4, M5)

Expanded Model Nomenclature

M1 - HKSC05XCCA
M2 - HKSC08XCCA
M3 - HKSC10XCCA
M4 - HKSC15XACA
M5 - HKSC15XBCA
M6 - HKSC15XFBA
M7 - HKSC19CACA
M8 - HKSC19CBCA
M9 - HKSC19CHBA
M10 - HKSC20DACA
M11 - HKSC20DBCA
M12 - HKSC20DHBA
M13 - HKSC20XFBA
M14 - HKSC25DABA
M15 - HKSC25DBBA
M16 - HKSC25DCCA
M17 - HKSX03XCCA
M18 - HKSX05XCCA
M19 - HKSX06XCCA
M20 - HKSX08XCCA
M21 - HKSX10XCCA
M22 - HKSX15XFBA
M23 - HKSX20XFBA

HKSC15XF / HKSC20XF

IMAGE 1

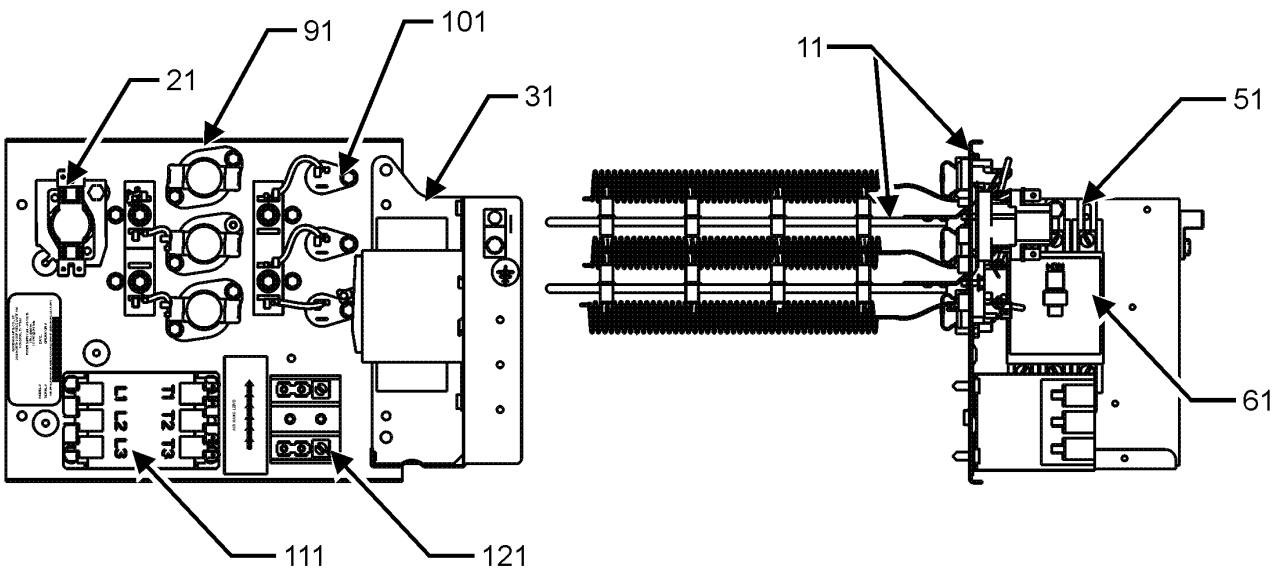
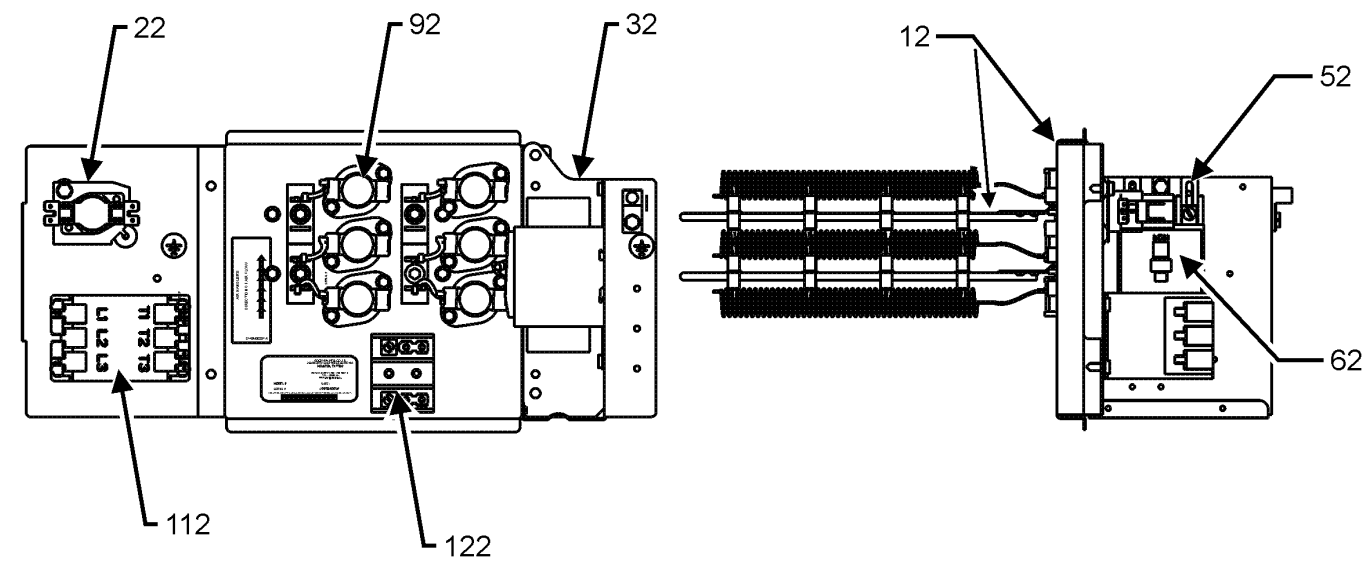


IMAGE 2



HKSC15XF / HKSC20XF

Ref. Part

No: No: Description:

Ref. Part

No: No: Description:

Image 1:

11	0175M00007	HEATER ELEMENT 14.40 KW (M6)
21	B1256559	SEQUENCER (M6)
31	0121A00673	CIRCUIT BREAKER PLATE (M6)
51	0121A00401	3 POLE MOUNTING BRACKET (M6)
61	CBK3PD240VD040	CBK,3 POLE, DUAL,120/240V (M6)
91	0200194001P	LIMIT (M6)
101	0200086001P	FUSE LINK 93°C (M6)
111	CONT3P050024V	CONTACTOR 50 AMP, 3P, 24V (M6)
121	B1368250	TERMINAL BLOCK (HIGH VOLTAGE) (M6)
NS	0259K00015	WIRE ASSY, 9 PIN FEMALE (M6)

Image 2:

12	0175M00013	HEATER ELEMENT, 20KW, 3PHASE (M13)
22	B1256559	SEQUENCER (M13)
32	0121A00673	CIRCUIT BREAKER PLATE (M13)
52	0121A00401	3 POLE MOUNTING BRACKET (M13)
62	CBK3PD240VD050	CBK,3 POLE, DUAL,120/240V (M13)
92	0200183001P	LIMIT (ONE SHOT) (M13)
112	CONT3P060024V	CONT, 3 POLE, 60 AMP, 24VAC (M13)
122	B1368250	TERMINAL BLOCK (HIGH VOLTAGE) (M13)
NS	0259K00015	WIRE ASSY, 9 PIN FEMALE (M13)

Expanded Model Nomenclature

M1 - HKSC05XCCA
 M2 - HKSC08XCCA
 M3 - HKSC10XCCA
 M4 - HKSC15XACA
 M5 - HKSC15XBCA
 M6 - HKSC15XFBA
 M7 - HKSC19CACA
 M8 - HKSC19CBCA
 M9 - HKSC19CHBA
 M10 - HKSC20DACA
 M11 - HKSC20DBCA
 M12 - HKSC20DHBA
 M13 - HKSC20XFBA
 M14 - HKSC25DABA
 M15 - HKSC25DBBA
 M16 - HKSC25DCCA
 M17 - HKSX03XCCA
 M18 - HKSX05XCCA
 M19 - HKSX06XCCA
 M20 - HKSX08XCCA
 M21 - HKSX10XCCA
 M22 - HKSX15XFBA
 M23 - HKSX20XFBA

HKSC19C(A/B) HKSC20D(A/B)

IMAGE 1

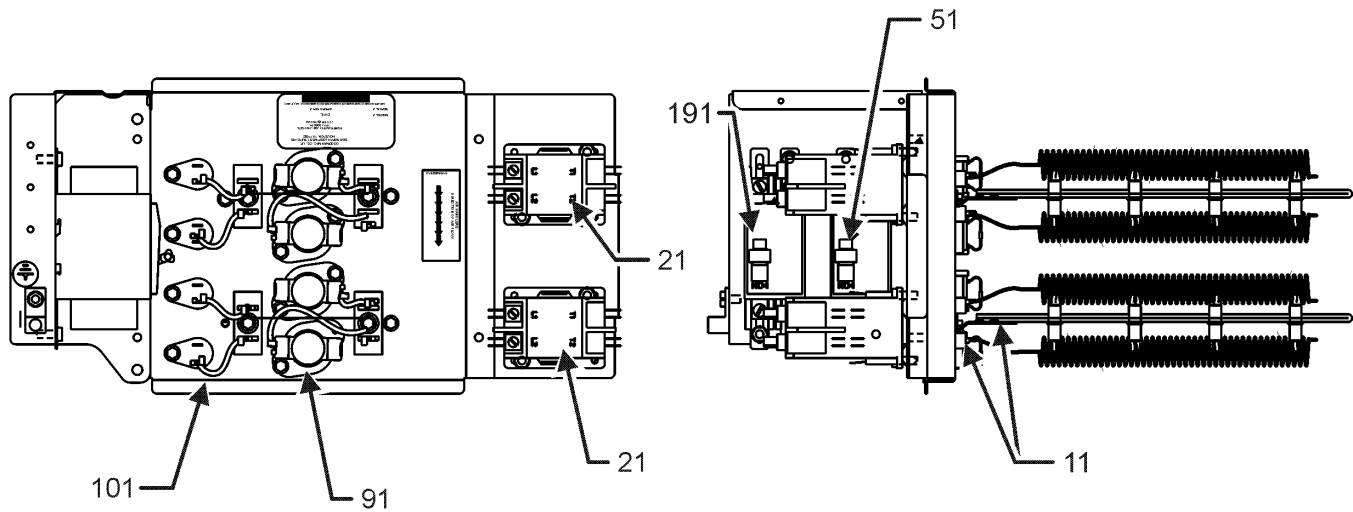
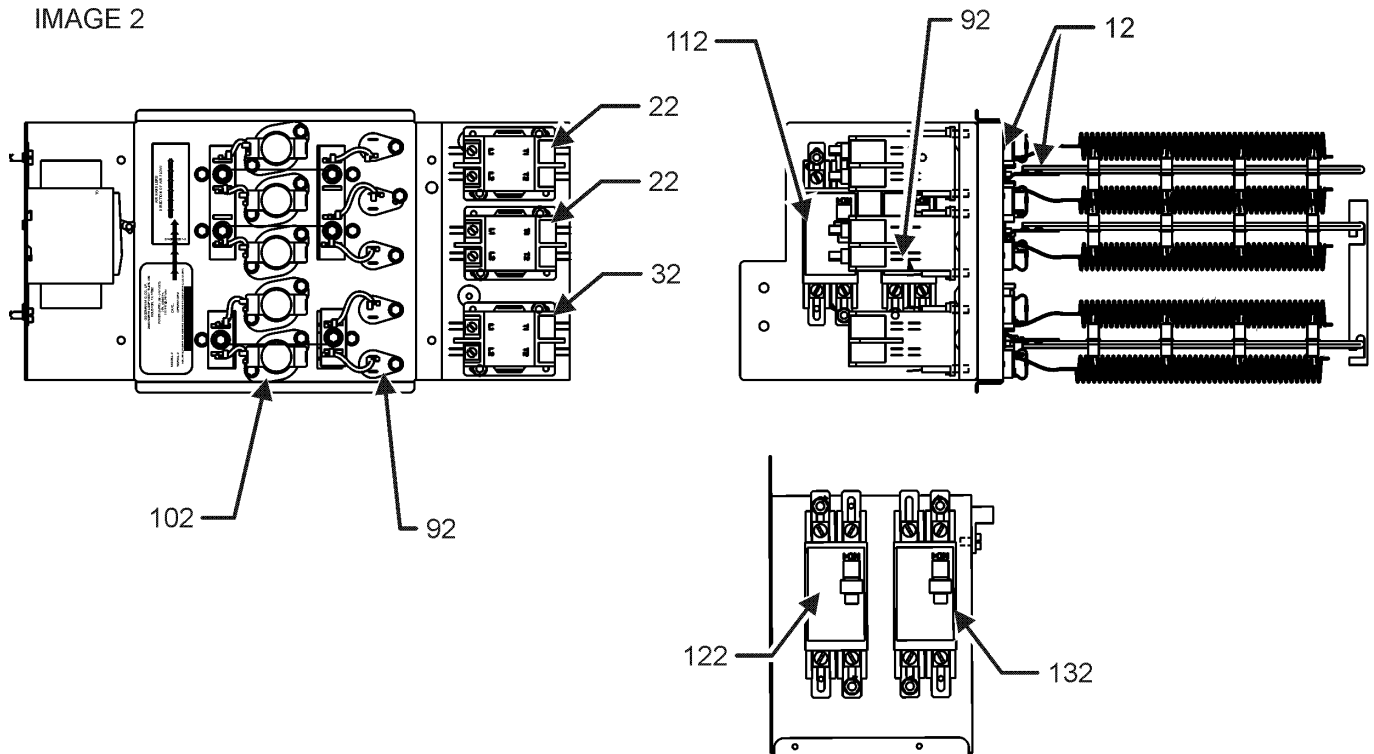


IMAGE 2



HKSC19C(A/B) HKSC20D(A/B)

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	0175M00048	HEATER ELEMENT (M10, M11)
11	0175M00052	HEATER ELEMENT (M7, M8)
21	CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M7, M8, M10, M11)
51	CBK2PD240VD050	CIRCUIT BREAKER, 2 POLE, DUAL, 120/240V (M7, M10)
51	CBK2PD240VD060	CIRCUIT BREAKER, 2 POLE, DUAL, 120/240V (M8, M11)
91	0200054001P	LIMIT (M7, M8)
91	0200127001P	LIMIT (M10, M11)
101	0200196001P	FUSE LINK (M7, M8, M10, M11)
191	CBK2PD240VD045	CBK, 2POLE, DUAL, 120/240V,45A (M7, M10)
191	CBK2PD240VD050	CIRCUIT BREAKER, 2 POLE, DUAL, 120/240V (M8, M11)
NS	0259K00012	WIRE ASSY, 9 PIN FEMALE (M7, M8, M10, M11)

Image 2:

12	0175M00049	HEATER ELEMENT (M16)
22	CONT2P040024V	CONT, 2 POLE, 40AMP, 24 VAC (M16)
32	CONT2P025024V	CONT, 2 POLE, 25AMP, 24 VAC (M16)
92	0200161001P	LIMIT (M16)
102	CBK2PD240VC025	CBK, 2 POLE, DUAL, 120/240V (M16)
102	0200196001P	FUSE LINK (M16)
112	CBK2PD240VD045	CBK, 2 POLE, DUAL, 120/240V, 45A (M16)
122	CBK2PD240VD050	CBK, 2 POLE, DUAL, 120/240V (M16)
132	CBK2PD240VD080	CBK, 2 POLE, DUAL, 120/240V (M16)
NS	0259K00014	WIRE ASSY, 9 PIN FEMALE (M16)

Expanded Model Nomenclature

M1 - HKSC05XCCA
 M2 - HKSC08XCCA
 M3 - HKSC10XCCA
 M4 - HKSC15XACA
 M5 - HKSC15XBCA
 M6 - HKSC15XFBA
 M7 - HKSC19CACA
 M8 - HKSC19CBCA
 M9 - HKSC19CHBA
 M10 - HKSC20DACA
 M11 - HKSC20DBCA
 M12 - HKSC20DHBA
 M13 - HKSC20XFBA
 M14 - HKSC25DABA
 M15 - HKSC25DBBA
 M16 - HKSC25DCCA
 M17 - HKSX03XCCA
 M18 - HKSX05XCCA
 M19 - HKSX06XCCA
 M20 - HKSX08XCCA
 M21 - HKSX10XCCA
 M22 - HKSX15XFBA
 M23 - HKSX20XFBA

HKSC19CH / HKSC20DH / HKSC25D(A/B)

IMAGE 1

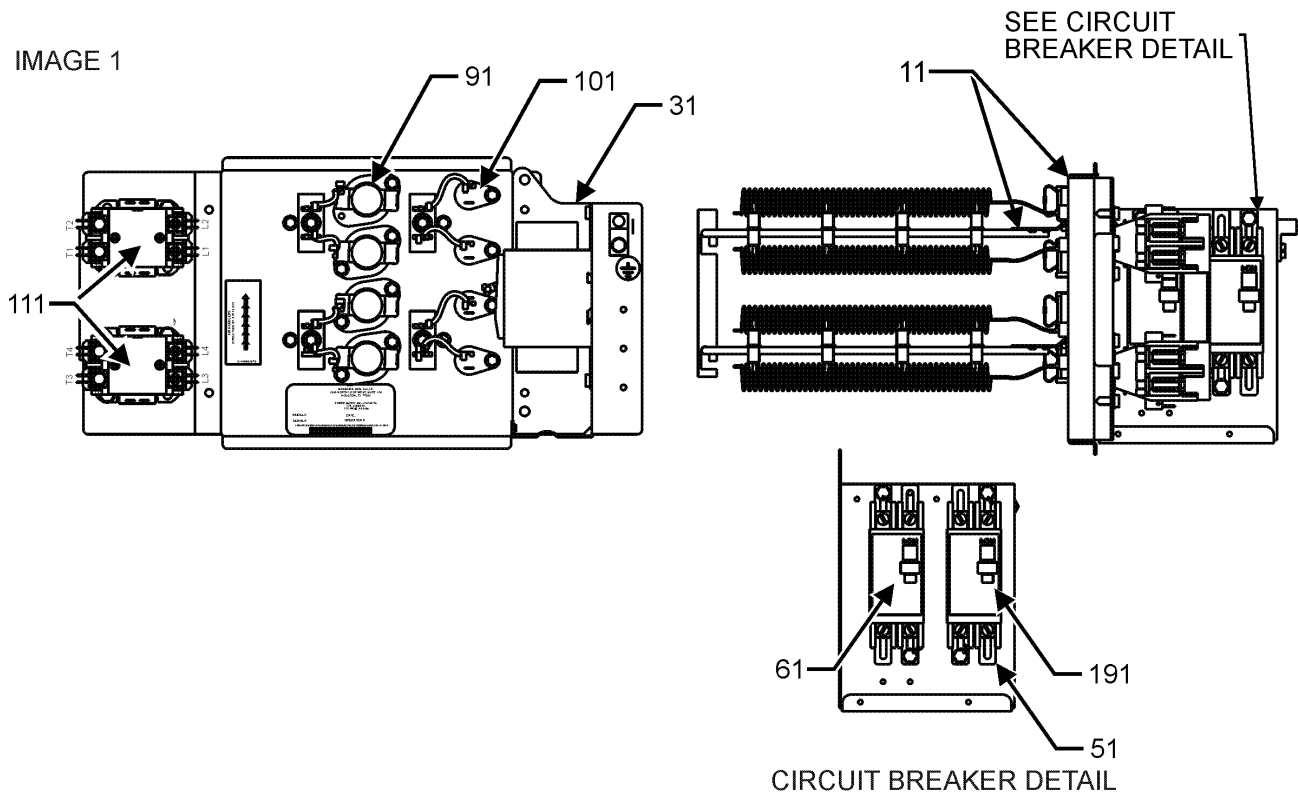
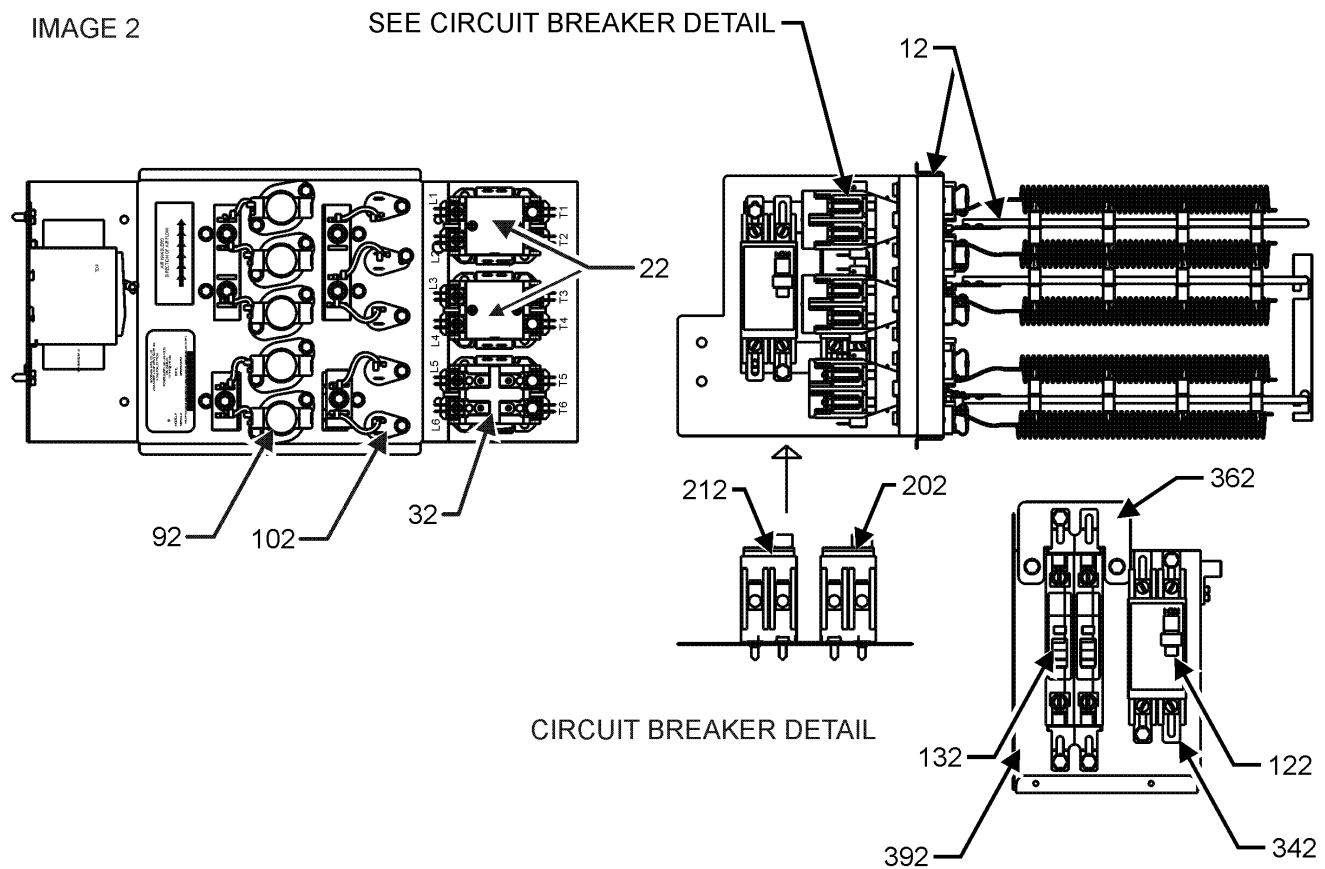


IMAGE 2



HKSC19CH / HKSC20DH /HKSC25D(A/B)

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	0175M00048	HEATER ELEMENT (M12)
11	0175M00052	HEATER ELEMENT (M9)
31	0121A00673	CIRCUIT BREAKER PLATE (M9, M12)
51	0121A00400	2 POLE MOUNTING BRACKET (M9, M12)
61	CBK2PD240VD060	CBK, 2POLE, DUAL , 120/240V (M9, M12)
91	0200054001P	LIMIT (M9)
91	0200127001P	LIMIT (M12)
101	0200196001P	FUSE LINK (M9, M12)
111	CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M9, M12)
191	CBK2PD240VD045	CBK, 2POLE, DUAL , 120/240V, 45A (M9, M12)
NS	0259K00012	WIRE ASSY, 9 PIN FEMALE (M9, M12)

Image 2:

12	0175M00049	HEATER ELEMENT (M14, M15)
22	CONT2P040024V	CONT, 2 POLE, 40 AMP, 24 VAC (M14, M15)
32	CONT2P025024V	CONT, 2 POLE, 25 AMP, 24 VAC (M14, M15)
92	0200161001P	LIMIT (M14, M15)
102	0200196001P	FUSE LINK (M14, M15)
122	CBK2PD240VD050	CBK, 2 POLE, DUAL, 120/240V (M14)
122	CBK2PD240VD060	CBK,2 POLE, DUAL,120/240V (M15)
132	CBK2PD240VD080	CBK, 2 POLE, DUAL, 120/240V (M14)
132	CBK2PD240VD090	CBK, 2 POLE, DUAL, 120/240V (M15)
202	CBK2PD240VC025	CBK, 2 POLE , DUAL, (M14, M15)
212	CBK2PD240VD050	CBK, 2 POLE, DUAL, 120/240V (M15)
212	CBK2PD240VD045	CBK, 2POLE, DUAL, 120/240V, 45A (M14)
342	0121A00400	2 POLE MOUNTING BRACKET (M14, M15)
362	0121A00677	CIRCUIT BREAKER ADAPTER (M14, M15)
392	0121A00673	CIRCUIT BREAKER PLATE (M14, M15)
NS	0259K00016	WIRE ASSY, 9 PIN FEMALE (M14, M15)

Expanded Model Nomenclature

M1 - HKSC05XCCA
 M2 - HKSC08XCCA
 M3 - HKSC10XCCA
 M4 - HKSC15XACA
 M5 - HKSC15XBCA
 M6 - HKSC15XFBA
 M7 - HKSC19CACA
 M8 - HKSC19CBCA
 M9 - HKSC19CHBA
 M10 - HKSC20DACA
 M11 - HKSC20DBCA
 M12 - HKSC20DHBA
 M13 - HKSC20XFBA
 M14 - HKSC25DABA
 M15 - HKSC25DBBA
 M16 - HKSC25DCCA
 M17 - HKSX03XCCA
 M18 - HKSX05XCCA
 M19 - HKSX06XCCA
 M20 - HKSX08XCCA
 M21 - HKSX10XCCA
 M22 - HKSX15XFBA
 M23 - HKSX20XFBA

IMAGE 1

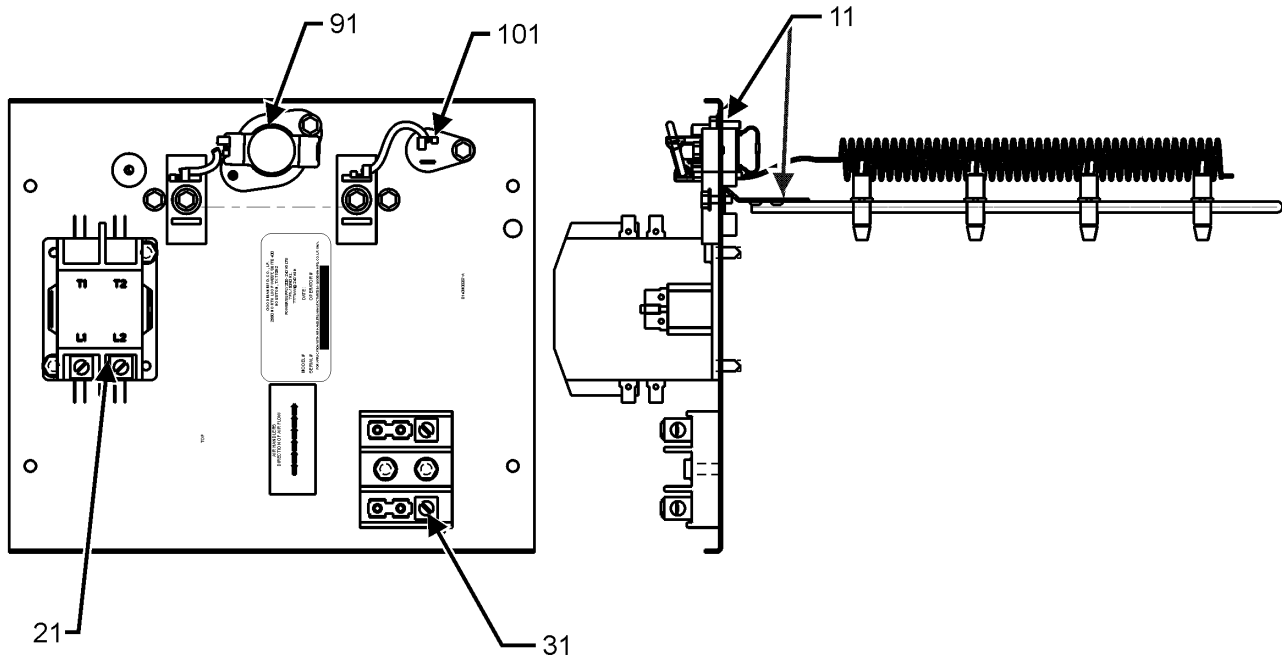
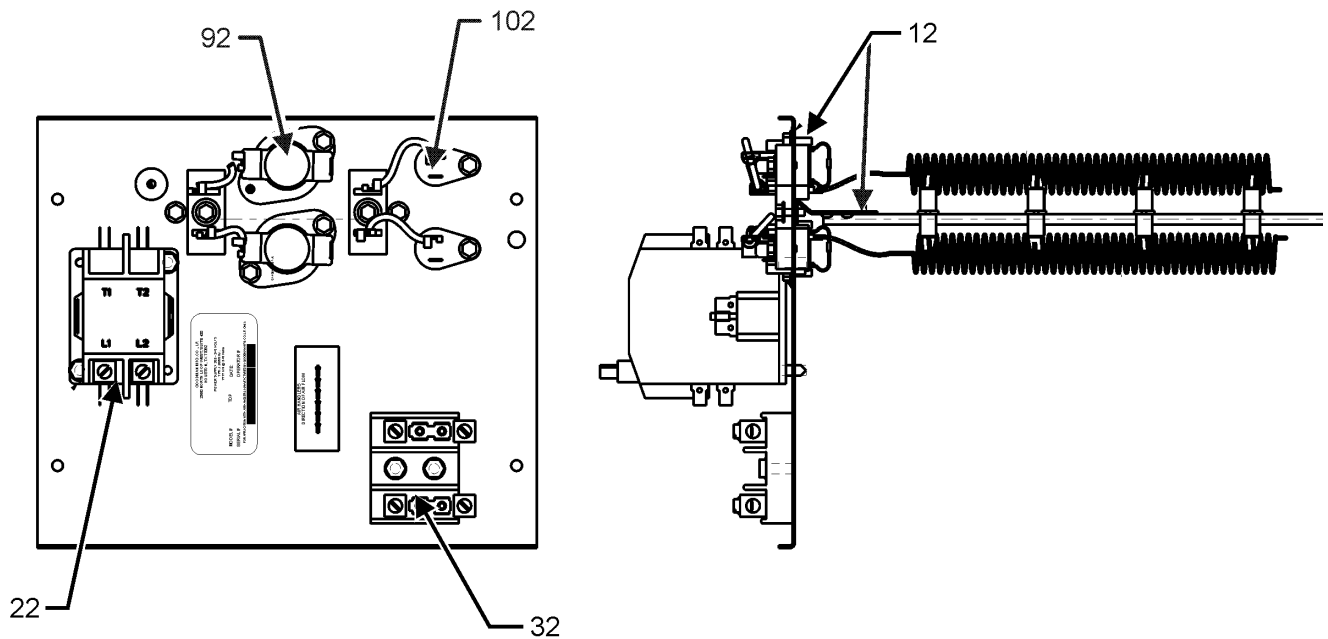


IMAGE 2



HKSX(03/05/06/08/10)XC

Ref. Part No: No:	Description:	Ref. Part No: No:	Description:
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Image 1:

11	0175M00044	HEATER ELEMENT (M18)
11	0175M00050	HEATER ELEMENT (M17)
21	CONT2P025024V	CONT, 2 POLE, 25 AMP, 24 VAC (M17, M18)
31	B1368250	TERMINAL BLOCK (HIGH VOLTAGE) (M17, M18)
91	0200194001P	LIMIT (M17, M18)
101	0200195001P	FUSE LINK 84°C (M17)
101	0200086001P	FUSE LINK 93°C (M18)
NS	0259K00011	WIRE ASSY, 9 PIN FEMALE (M17, M18)

Image 2:

12	0175M00045	HEATER ELEMENT (M20)
12	0175M00046	HEATER ELEMENT (M21)
12	0175M00051	HEATER ELEMENT (M19)
22	CONT2P040024V	CONTACTOR 40 AMP, 2P, 24V (M19, M20, M21)
32	0130K00012	TERMINAL BLOCK (M19, M20, M21)
92	0200194001P	LIMIT (M19, M20, M21)
102	0200086001P	FUSE LINK 93°C (M19, M20, M21)
NS	0259K00011	WIRE ASSY, 9 PIN FEMALE (M19, M20, M21)

Expanded Model Nomenclature

M1 - HKSC05XCCA
 M2 - HKSC08XCCA
 M3 - HKSC10XCCA
 M4 - HKSC15XACA
 M5 - HKSC15XBCA
 M6 - HKSC15XFBA
 M7 - HKSC19CACA
 M8 - HKSC19CBCA
 M9 - HKSC19CHBA
 M10 - HKSC20DACA
 M11 - HKSC20DBCA
 M12 - HKSC20DHBA
 M13 - HKSC20XFBA
 M14 - HKSC25DABA
 M15 - HKSC25DBBA
 M16 - HKSC25DCCA
 M17 - HKSX03XCCA
 M18 - HKSX05XCCA
 M19 - HKSX06XCCA
 M20 - HKSX08XCCA
 M21 - HKSX10XCCA
 M22 - HKSX15XFBA
 M23 - HKSX20XFBA

IMAGE 1

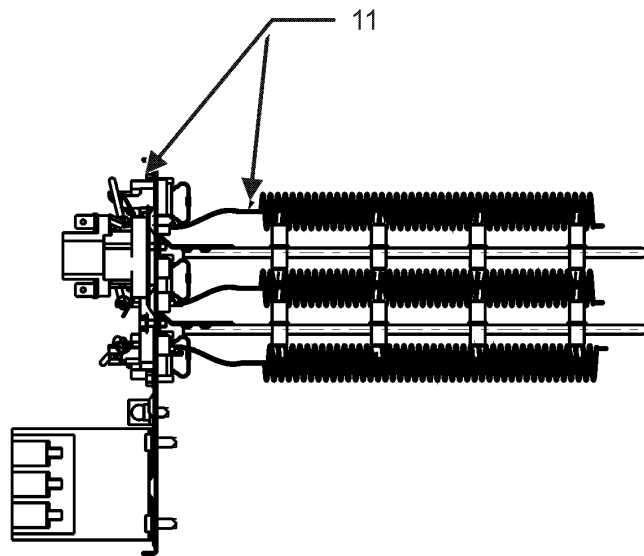
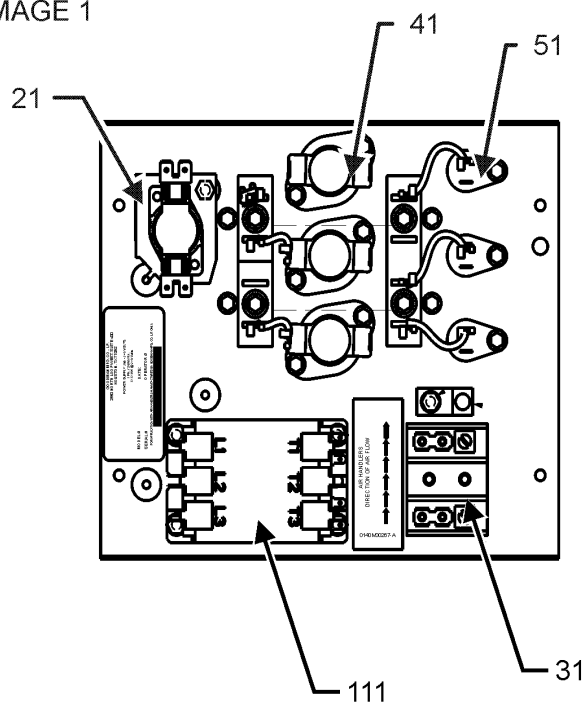
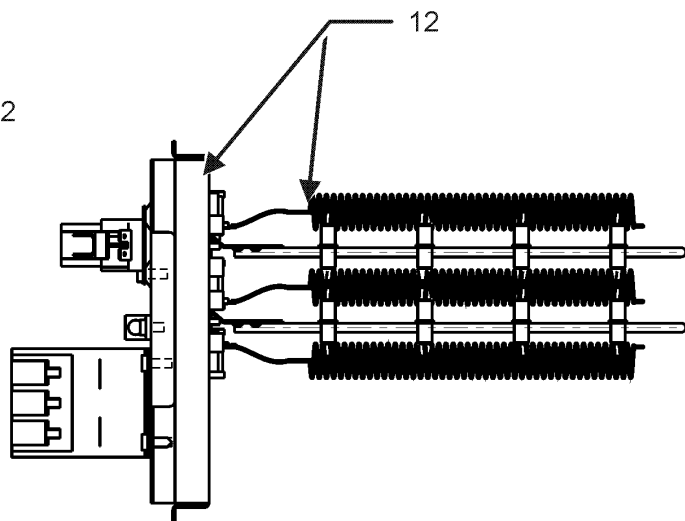
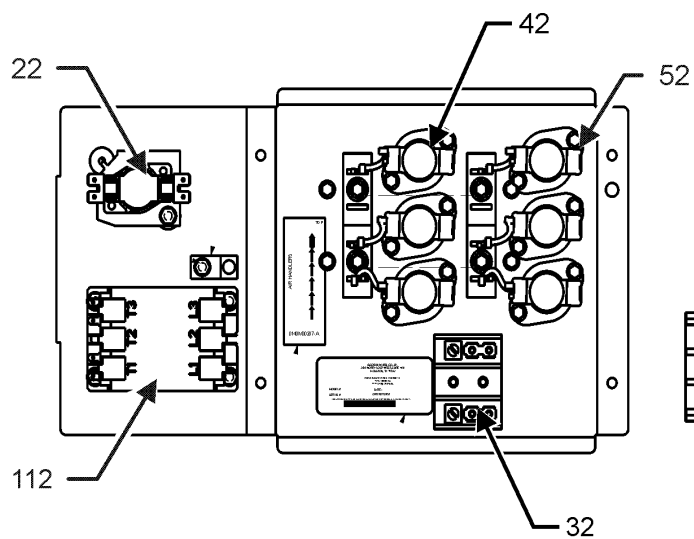


IMAGE 2



HKSX(15/20)XF

Ref. Part

No: No:

Description:

Ref. Part

No: No:

Description:

Image 1:

11	0175M00017	HEATER ELEMENT 14.4KW (M22)
21	B1256559	SEQUENCER (M22)
31	B1368250	TERMINAL BLOCK A-10KW (M22)
41	0200194001P	LIMIT (M22)
51	0200086001P	FUSE LINK 93°C (M22)
111	CONT3P050024V	CONT, 3 POLE, 50 AMP, 24 VAC (M22)
NS	0259K00015	WIRE ASSY, 9 PIN FEMALE (M22)

Image 2:

12	0175M00016	HEATER ELEMENT 20 KW, 3-PHASE (M23)
22	B1256559	SEQUENCER (M23)
32	B1368250	TERMINAL BLOCK (HIGH VOLTAGE) (M23)
42	0200183001P	LIMIT (M23)
52	0200151001P	ONE SHOT DEVICE (M23)
112	CONT3P060024V	CONT, 3 POLE, 50 AMP, 24 VAC (M23)
NS	0259K00015	WIRE ASSY, 9 PIN FEMALE (M23)

Expanded Model Nomenclature

M1 - HKSC05XCCA
 M2 - HKSC08XCCA
 M3 - HKSC10XCCA
 M4 - HKSC15XACA
 M5 - HKSC15XBCA
 M6 - HKSC15XFBA
 M7 - HKSC19CACA
 M8 - HKSC19CBCA
 M9 - HKSC19CHBA
 M10 - HKSC20DACA
 M11 - HKSC20DBCA
 M12 - HKSC20DHBA
 M13 - HKSC20XFBA
 M14 - HKSC25DABA
 M15 - HKSC25DBBA
 M16 - HKSC25DCCA
 M17 - HKSX03XCCA
 M18 - HKSX05XCCA
 M19 - HKSX06XCCA
 M20 - HKSX08XCCA
 M21 - HKSX10XCCA
 M22 - HKSX15XFBA
 M23 - HKSX20XFBA