



SERVICE BULLETIN

Title: Cutler-Hammer Renewal Parts
Models Affected: 19XL and 23XL

Number: C9218
Date: 11/11/92
Supersedes: New
Date:

Purpose:

To provide information on renewal parts for the 19XL and 23XL Cutler-Hammer, unit mounted, electro-mechanical chiller starters.

File Instructions: Specified Parts

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Information:

Use the attached publication, DU-194 for renewal parts for the subject starters. Contact should be made with Eaton/CH in the order shown below:

1. Milwaukee Technical Service Center

Gene Weinand or Mary Pietrangelo

1-800-752-5495

2. Eaton/CH Sales Office

Syracuse, NY

Neil McPherson or Janet Congdon

315-437-7201

3. Eaton/CH Power Control Division

Atlanta, GA

Jim Ryle or John Moore

404-451-2331

Renewal Parts For Carrier Unit Mounted Starter

October 1992

Index to Tables

Table Number	Part Name and/or Description
1	Power On Light
2	Voltmeters
3	Ammeters
4	Fan
5	Main Disconnect Operator
6	Meter Switch
7	Capacitors
8	Main Disconnect With Shunt Trip
9	Current Transformers
10	Transition Resistors
11	Power Contactors
12	Renewal Parts
13	Control Power Transformers
14	Swing Out Panel

Renewal Parts For Carrier Unit Mounted Starter

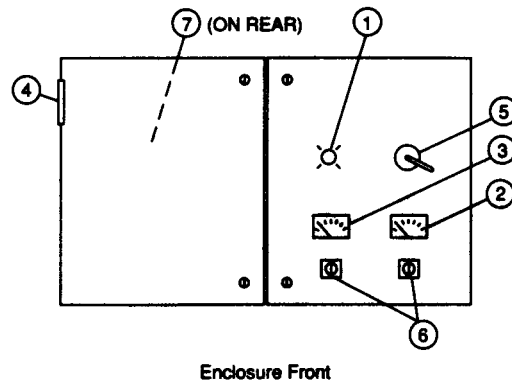


Table 1 — Power on Light

Description	Part Number
200V-60HZ Indicating Light	E30BW
230V-60HZ Indicating Light	E30BB
380V-60HZ Indicating Light	E30BC
416V-60HZ Indicating Light	E30BC
460V-60HZ Indicating Light	E30BD
575V-60HZ Indicating Light	E30BE
230V-50HZ Indicating Light	E30BB
346V-50HZ Indicating Light	E30BC
400V-50HZ Indicating Light	E30BC
Green "Power On" Lens	E30KM20

Table 2 — Voltmeters

Line Voltage	Meter Scale	Part Number
200-60	0-300	41 -2525-8
230-60	0-300	41 -2525-8
380-60	0-600	41-2525-10
416-60	0-600	41-2525-10
460-60	0-600	41-2525-10
575-60	0-750	41-2525-11
230-50	0-300	41-2525-8
346-50	0-600	41-2525-10
400-50	0-600	41-2525-10

Table 3 — Ammeters

RLA Range	Ammeter Scale	Part Number
100-134	0-150	41 -2524-14
135-173	0-200	41 -2524-15
174-213	0-250	41 -2524-30
214-267	0-300	41 -2524-16
268-346	0-400	41 -2524-17
347-425	0-500	41 -2524-18
426-536	0-600	41-2524-19
537-606	0-800	41-2524-20

Table 4 — Fan

Description	Part Number
Exhaust Fan	18-66-2

Table 5 — Main Disconnect Operator

Max RLA	Mech	Handle	Shaft
146	5092A62G03	800612-180-21	47A4446G37
266	5092A62G01	800612-180-21	47A4446G37
420	458D493G12	800612-180-21	47A4446G37
563	458D493G05	800612-180-21	47A4446G37
606	373D958G08	800612-180-21	47A4446G37

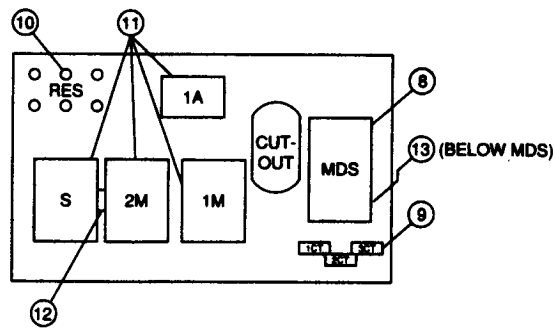
Table 6 — Meter Switch

Description	Part Number
4 Position Ammeter Switch	83-2053-5
4 Position Voltmeter Switch	83-2053

Table 7 — Capacitors

KVAR	200V-240V	346V-480V	575V-600V
10	C244G10	C484G10	C604G10
15	C244G15	C484G15	C604G15
20	C245G20	C484G20	C604G20
25	C245G25	C484G25	C604G25
30	C245G30	C484G3	C604G30
35	(1) C244G15 (1) C245G20	(1) C484G15 (1) C484G20	(1) C604G15 (1) C604G20
40	(2) C245G20	(2) C484G20	(2) C604G20
45	(1) C245G20 (1) C245G20	(1) C484G20 (1) C484G25	(1) C604G20 (1) C604G25
50	(2) C245G25	(2) C484G25	(2) C604G25
60	(2) C245G30	(2) C484G30	(2) C604G30
70	-----	(2) C484G35	(2) C605G35
75	-----	(1) C485G35 (1) C485G40	(1) C605G35 (1) C605G40
80	-----	(2) C485G40	(2) C605G40
90	-----	(2) C485G45	(2) C605G45
100	-----	(2) C485G50	(2) C605G50

() Indicates quantity required.



Power Panel

Table 8 — Main Disconnect with Shunt Trip

MAX RLA	NFDS	Std CB	Hi Int CB	Higher Int CB	Shunt Trip
92	JD3250K	JD3150	HJD3150	N/A	SNT2P11K
122	JD3250K	JD3200	HJD3200	N/A	SNT2P11K
146	JD3250K	JD3225	HJD3225	N/A	SNT2P11K
173	LS36040YE	LS360250E	LH360250E	LL360250E	KAS4
209	LS36040YE	LS360300E	LH360300E	LL360300E	KAS4
248	LS36040YE	LS360350E	LH360350E	LL360350E	KAS4
284	LS36040YE	LS360400E	LH360400E	LL360400E	KAS4
320	LS36060YE	LS360450E	LH360450E	LL360450E	KAS4
360	LS36060YE	LS360500E	LH360500E	LL360500E	KAS4
432	LS36060YE	LS360600E	LH360600E	LL360600E	KAS4
490	MN360800AY	MS360700A	MH360700A	N/A	2606D57G19
563	MN360800AY	MS360800A	MH360800A	N/A	2606D57G19
606	NN361200AY	NS361000A	NH361000A	N/A	2606D58G19

Table 9 — Current Transfromers

RLA Range	CT Ratio	Part Number
100-134	150:5	7ASHT151
135-173	200:5	7ASHT201
174-213	250:5	7ASHT251
214-267	300:5	7ASHT301
268-346	400:5	7ASHT401
347-425	500:5	7ASHT501
426-536	600:5	7ASHT601
537-606	800:5	7ASHT801

Table 10 — Transition Resistors

Max RLA	240V Max	430V Max	600V Max
200	(3) LC5	(3) LC5 (6) LC10	(9) LC10
275	(3) LC10	(6) LC10	(3) LC5 (6) LC10
400	(3) LC7	(6) LC7	(9) LC7
500	-----	-----	(9) LC5
606	(6) LC10	(6) LC5	(6) LC5

() Indicates quantity required.

Table 11 — Power Contactors

Max RLA	Transition "1A"	Start "S"	Run "1M & "2M"
207	C10CN3AB	C32JN3AB	(2)C32JN3AB
233	C10DN3AB	C10FN3AB	(2)C10FN3AB
346	C10DN3AB	C32KN3AB	(2)C32KN3AB
467	C10EN3AB	C10FN3AB	(2)C10GN3AB
606	C10EN3AB	C32KN3AB	(2)C32LN3AB

() Indicates quantity required.

Table 12 — Renewal Parts

Renewal Parts	C10CN3AB	C10DN3AB	C10EN3AB	C32JN3AB	C10FN3AB	C32KN3AB	C10GN3AB	C32LN3AB
Contract Kit	6-23-2	6-34-2	6-35-2	6-35-2	6-36-2	6-36-2	6-27-2	6-569-2
Coil	9-1887-1	9-2526-1	9-1889-1	9-1889-1	9-1891-1	9-1891-1	9-1891-1	9-2662-1
Mech Int'lk	-----	-----	-----	10-4005-2	10-4023	10-4023	10-4023	10-4023

Table 13 — Control Power Transformers

Line Voltage	Part Number	Description
200V-60	42-3000-39	2KVA 200-120V Control Power Transformer
230V-60	42-3000-37	2KVA 230-120V Control Power Transformer
380V-60	42-3000-40	2KVA 380-120V Control Power Transformer
416V-60	Description	2KVA 416-120V Control Power Transformer
460V-60	42-3000-37	2KVA 460-120V Control Power Transformer
575V-60	42-3000-38	2KVA 575-120V Control Power Transformer
230V-50	42-3000-37	2KVA 230-120V Control Power Transformer
346V-50	Description	2KVA 346-120V Control Power Transformer
400V-50	42-3000-40	2KVA 400-120V Control Power Transformer

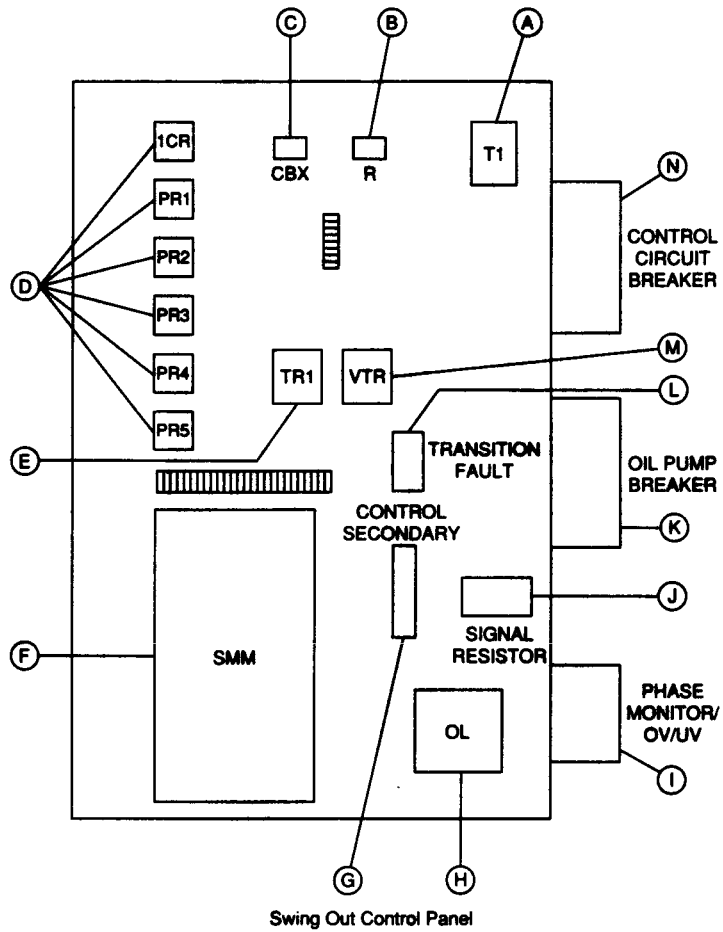


Table 14 — Swing Out Panel

Item Letter	Comp. Design	Component Description	Part Number
A	T1	40VA/6VA 120V Transformer	42-40VA6VA
B	R	Adjustable Resistor	57-ADJ25K
C	CBX	P & B 3.2 Amp Circuit Breaker	HH83ZB-003
D	1 CR, PR 1, PR 2, PR3, PR4, PR5	P & B Relay 24VDC Socket Hold Down Spring	24F2616 D5PA1 D5PB1
E	TR1	Relay with Timer Attachment	D15CR31A C320TP2
F	SMM	Starter Management Module	CES121319
G		Control Secondary Breaker Control Secondary Breaker Base	CHB120 CHB9L1
H	OL	Overload Relay	948L108939
I		Phase Monitor Phase Monitor W/ OV & UV	Description Description
J		Signal Resistor with Base	H1028 17-6299
K		Oil Pump Circuit Breaker (19xl Only)	FS3015
L		Transition Fault Breaker	HB
M		Delay Start Timer with Relay	C320TP1 D15CR31A
N		Control Circuit Breaker	FS3015