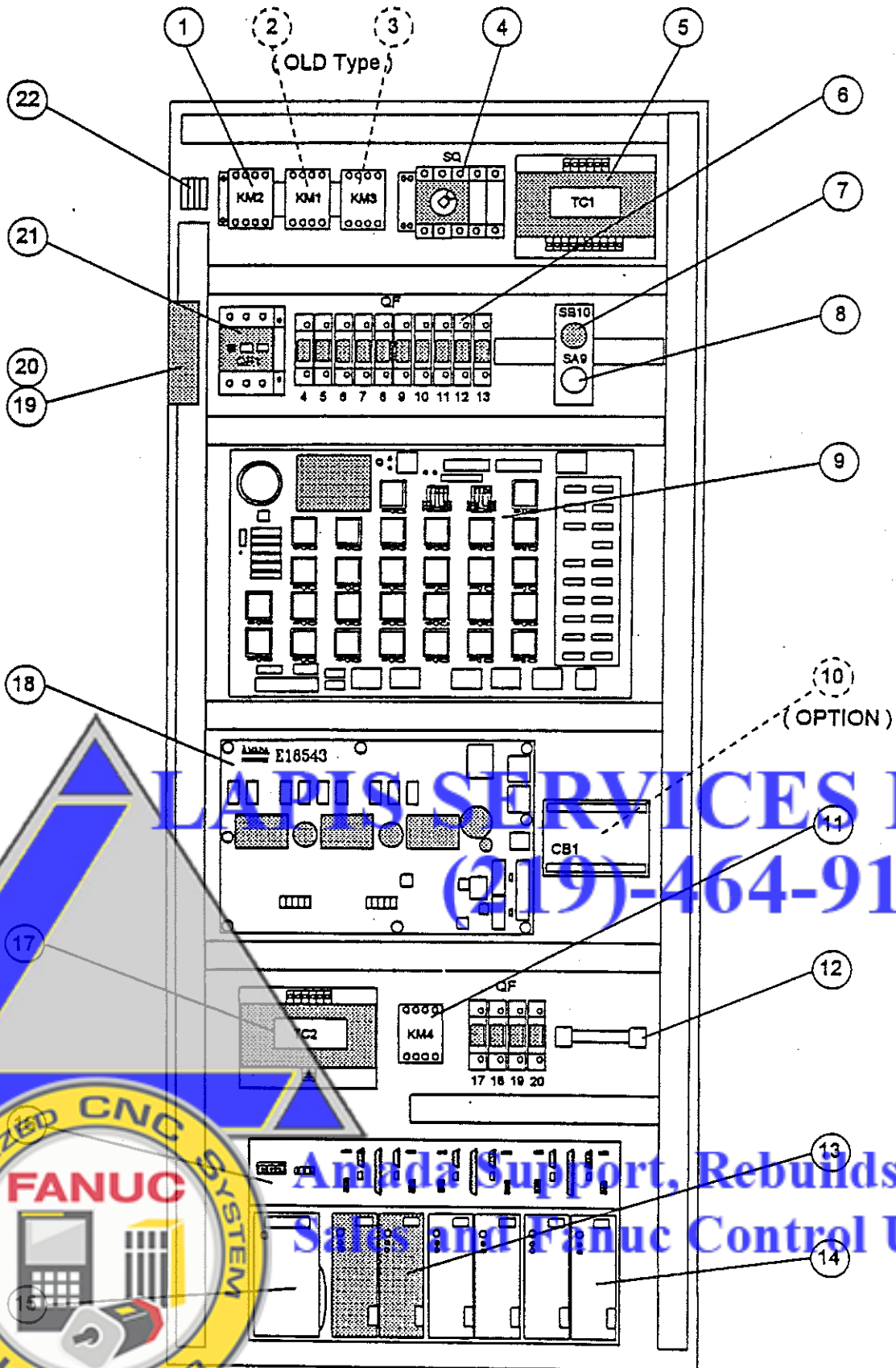
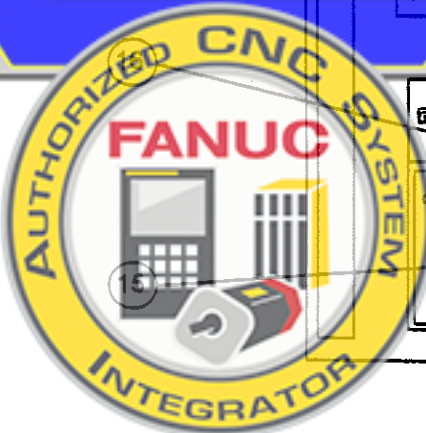


UNIT NO. 16 ELECTRIC (CABINET & etc)



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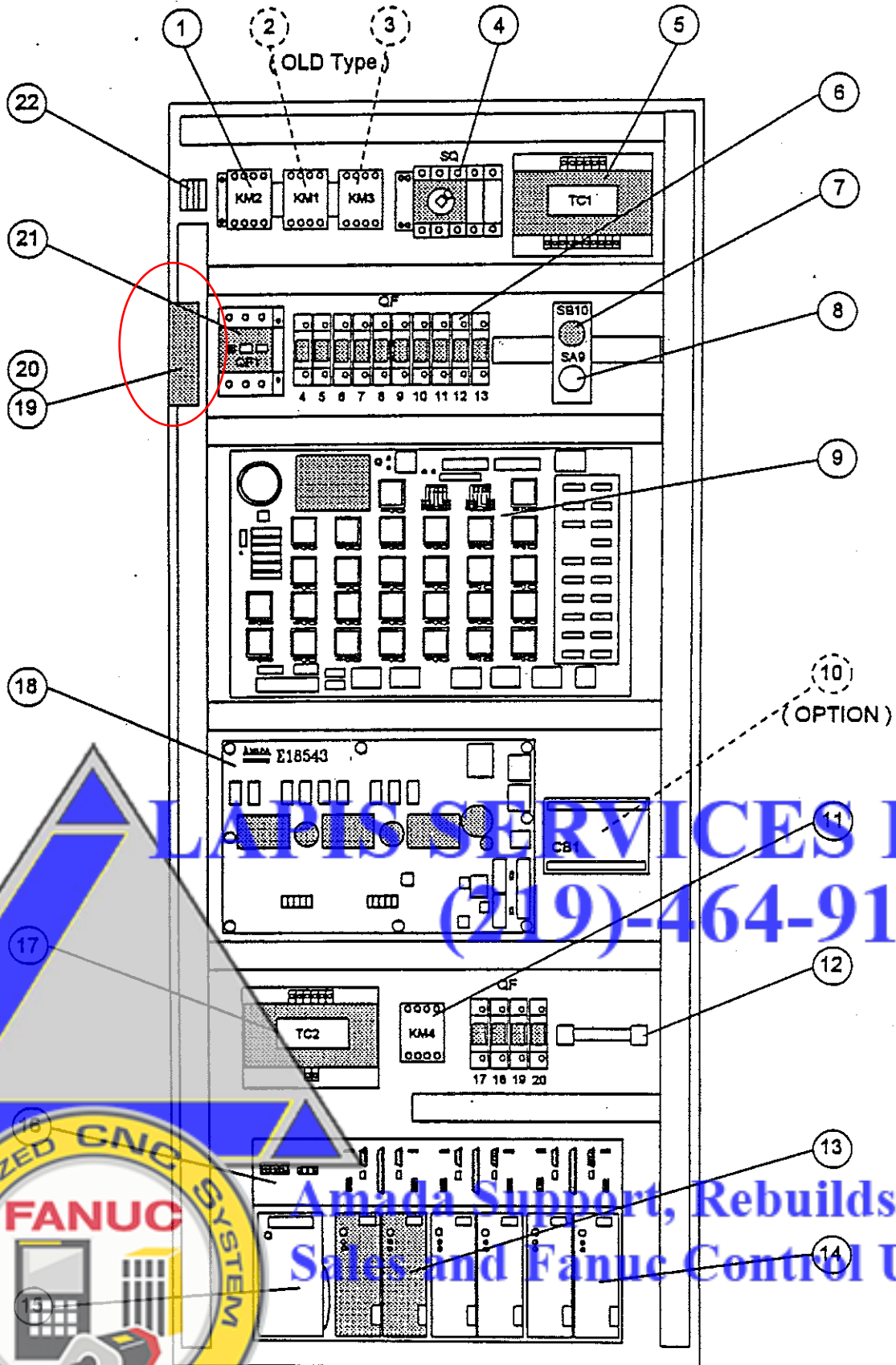
UNIT NO. 16 (# 1) ELECTRIC (CABINET & etc)

NO	DRAWING	DESCRIPTION	REFERENCE	QUANTITY					
				125-3	125-4	170-3	170-4	220-3	220-4
1	E02011	KM2 - TRI contactor		1	1	1	1	1	1
	E04605	KM2 - Contact block		1	1	1	1	1	1
	E18511	KM2 - Work tempo block		1	1	1	1	1	1
	E18510	KM2 - 110v AC interference suppresser		1	1	1	1	1	1
2	E18512	KM1/KM3 - Rev TRI contractor	(for Old type)	1	1	1	1	1	1
	E18513	KM1 - Contact block		1	1	1	1	1	1
	E18510	KM1 - 110v AC interference suppresser		1	1	1	1	1	1
3	E18513	KM3 - Contact block		1	1	1	1	1	1
	E18510	KM3 - 110v AC interference suppresser		1	1	1	1	1	1
4	E18529	QS - 63A + AUX2F TRI switch	(with Handle)	1	1	1	1	1	1
5	E32339	TC1 - 750VA transformer (230/460v)		1	1	1	1	1	1
6	E32301	QF4 , 5 , 10 and 11 (3 Amp)	GB2 - CB08	4	4	4	4	4	4
	E32306	QF6 , 7 , 19 and 20 (2 Amp)	GB2 - CB07	4	4	4	4	4	4
	E32323	QF8 and 9 (10 Amp)	GB2 - CB16	2	2	2	2	2	2
	E32340	QF12 , 13 , 17 and 18 (12 Amp)	GB2 - CB20	4	4	4	4	4	4
7	E01214	SA10 - Body		1	1	1	1	1	1
	E01779	SA10 - Head		1	1	1	1	1	1
	E01197	SA10 - Contact		3	3	3	3	3	3
8	E00472	SA9 - Body		1	1	1	1	1	1
	E01405	SA9 - Head		1	1	1	1	1	1
	E01198	SA9 - Contact		1	1	1	1	1	1
9	C70588	Relay board << it was D10002 >>	EE18523	1	1	1	1	1	1
	E18597	Relay (MTI) << it was E18444 >>		28	28	28	28	28	28
	E18393	Fu11,Fu12 - 5x20 3.15 AT fuse		2	2	2	2	2	2
	E01673	Fu113 - 5x20 6.3 AT fuse		1	1	1	1	1	1
	E18504	Fu14 - 5x20 4 AT fuse		1	1	1	1	1	1
	E18499	Fu15,Fu16 - 5x20 1.6 AT fuse		2	2	2	2	2	2
10	E18390	KOB1 - Safety relay (for PALM-button)	(Option)	1	1	1	1	1	1
	E16444	KOB1 - Interference suppresser		1	1	1	1	1	1
11	E16668	KM4 - 20x2F contractor		1	1	1	1	1	1
		KM4 - LA4DE1E Interference suppresser		1	1	1	1	1	1
12	E00518	10x3 bar support		2	2	2	2	2	2
	E00786	10x3 bar		1	1	1	1	1	1
	E00516	3165.0 caliper		4	4	4	4	4	4
		caliper		2	2	2	2	2	2
		Ground terminal		1	1	1	1	1	1
13	E80390	X axis servo Amp.	SMT 100/05 L720	2	2	2	2	2	2
14	E80385	R and Z axis Amp. (8axis machine)	SMT 100/05 L511	4	4	4	4	4	4
15	E80389	Power supply	MD / DR	1	1	1	1	1	1
	E18393	Fuse 5x20 3.15 AT		3	3	3	3	3	3
	E32287	Fuse 5x20 10 AT		1	1	1	1	1	1
	E80388	Dack + power bottom bracket		1	1	1	1	1	1
16	E80384	2 extra axes bottom bracket		2	2	2	2	2	2
	E00516	3165.0 caliper		4	4	4	4	4	4
		caliper		2	2	2	2	2	2
		Ground terminal		1	1	1	1	1	1



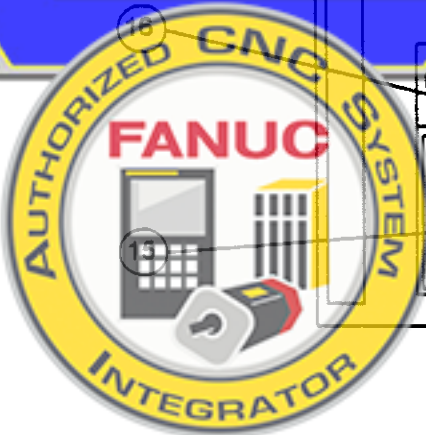
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UNIT NO. 16 ELECTRIC (CABINET & etc)



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UNIT NO. 16 (# 2) ELECTRIC (CABINET & etc)

NO	DRAWING	DESCRIPTION	REFERENCE	QUANTITY					
				125-3	125-4	170-3	170-4	220-3	220-4
17	E18563	TC2 - 330VA transformer (230/460v)		1	1	1	1	1	1
18	E18543	Y axis Amp. board (PEES board)	E18543	1	1	1	1	1	1
19		Cooling fan		1	1	1	1	1	1
20	E18518	PT1 - Hourmeter		1	1	1	1	1	1
21	E01239	QF1 (for 11kw and 12.5kw / 460v)	GV1 - M21	1	1	1	1		
	E18410	QF1 (for 11&12.5kw /230v 17kw/460v)	GV3 - M40	(1)	(1)	(1)	(1)	1	1
	E18411	QF1 (for 17kw / 230v)	GV3 - M63					(1)	(1)
21		QF1 (for 11kw and 12.5kw / 460v)		1	1	1	1		
		QF1 (for 11&12.5kw /230v 17kw/460v)		(1)	(1)	(1)	(1)	1	1
		QF1 (for 17kw / 230v)						(1)	(1)
22	TYPE WDU	X9, X10, X13 Terminal block	TYPE WDU	4	4	4	4	4	4
23	E01619	SQ1 , SQ2 - Body (Yaxis tilt limit SW)		2	2	2	2	2	2
	E18400	SQ1 , SQ2 - Head (//)		2	2	2	2	2	2
24	E00726	SQ9 (Xaxis tilt limit switch)		1	1	1	1	1	1
25	E01150	SQ4 , SQ5 (Emergency stop SW)		2	2	2	2	2	2
26		Sensor for 74A3t35l110 filter (SQ8)	3T351A	1	1	1	1	1	1
27		Sensor for FAA/HH9800L10D filter (SQ8)	RC861CZ090HYM	1	1	1	1	1	1

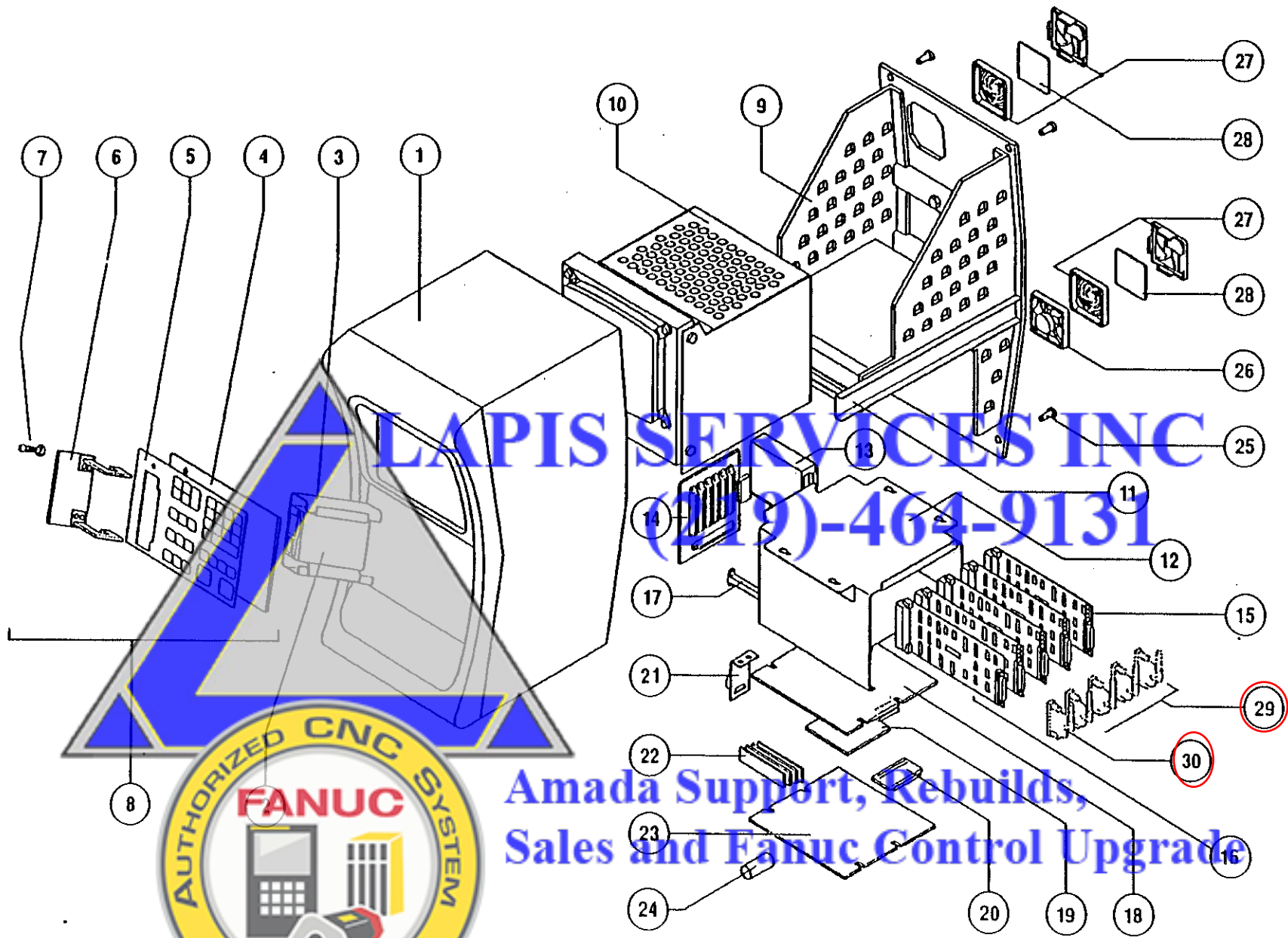
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UNIT NO. 17 OP-2 CONTROL UNIT

UNIT NO. 17 OP-2 CONTROL UNIT



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Sales and Fanuc Control Upgrade

NO	DRAWING	DESCRIPTION	REFERENCE	QUANTITY					
				125-3	125-4	170-3	170-4	220-3	220-4
	D10300	OP-2 Control Ass'y							
1	M90077	OP-2 Control box	(Original switch)	1	1	1	1	1	1
2	E60196	Floppy drive		1	1	1	1	1	1
3	D10289	FD support bracket		1	1	1	1	1	1
4	D10294	Key board		1	1	1	1	1	1
5	E50750	Panel board		1	1	1	1	1	1
6	D40987	Cover		1	1	1	1	1	1
7	E50751	Key switch		1	1	1	1	1	1
8	D10291	Key board Ass'y		1	1	1	1	1	1
9	E32301	Frame		1	1	1	1	1	1
10	D10302	Monitor		1	1	1	1	1	1
11	M90072	Guide rail		1	1	1	1	1	1
12	D10324	Rack		1	1	1	1	1	1
13	E60193	Switching power		1	1	1	1	1	1
14	E60206	Back panel		1	1	1	1	1	1
15	D10098	Axis board (Y, X, R, and Z)		1	1	1	1	1	1
16	D10097	I / O board		1	1	1	1	1	1
17	D10309	Guide rail		4	4	4	4	4	4
18	E60189	CPU board		1	1	1	1	1	1
19	E60266	VGA board		1	1	1	1	1	1
20	E50756	Coprocessor + support		1	1	1	1	1	1
21	D10320	speaker		1	1	1	1	1	1
22	E60204	RAM SIM - 1M		2	2	2	2	2	2
23	D10310	Memory board		1	1	1	1	1	1
24	E50752	Battery		1	1	1	1	1	1
25	M90073	Locking pin		1	1	1	1	1	1
26	D10307	Cooling fan		1	1	1	1	1	1
27	E04597	Ventilator		1	1	1	1	1	1
28	E50753	Filter		1	1	1	1	1	1
29		Axis cable		4	4	4	4	4	4
30	D10055	E/S cable (I / O cable)		1	1	1	1	1	1
31		Main Power AC200v cable		1	1	1	1	1	1
32		DC power cable		1	1	1	1	1	1
33		Monitor cable		1	1	1	1	1	1

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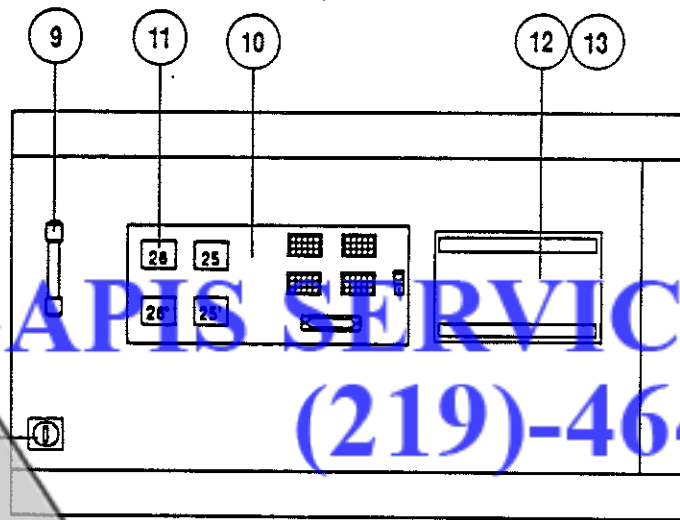
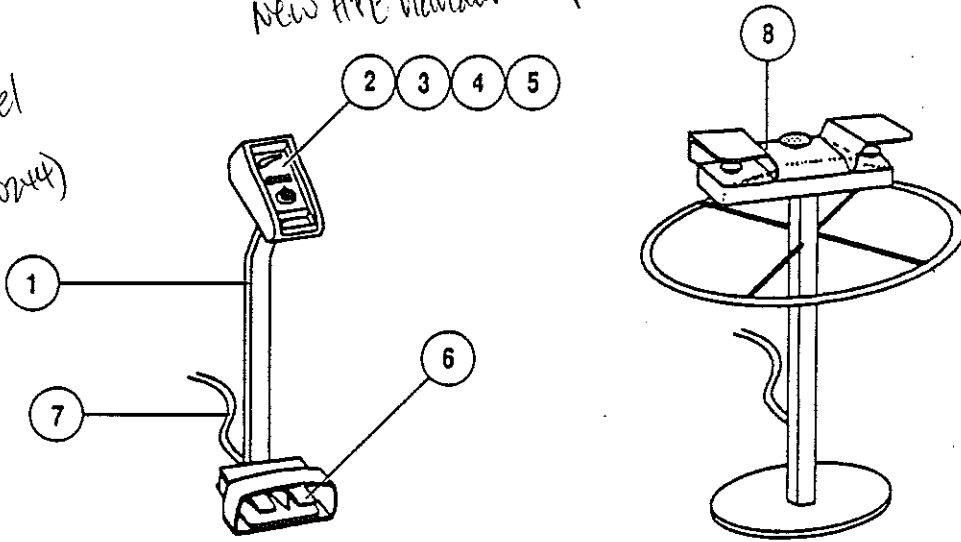


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UNIT NO. 18 FOOT SWITCH & OPTION

New HPE handwheel = part #35030104 (C72531)

New HPE handwheel
need adapter cable
part #35030114 (C72531)



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FOOT SWITCH & OPTION

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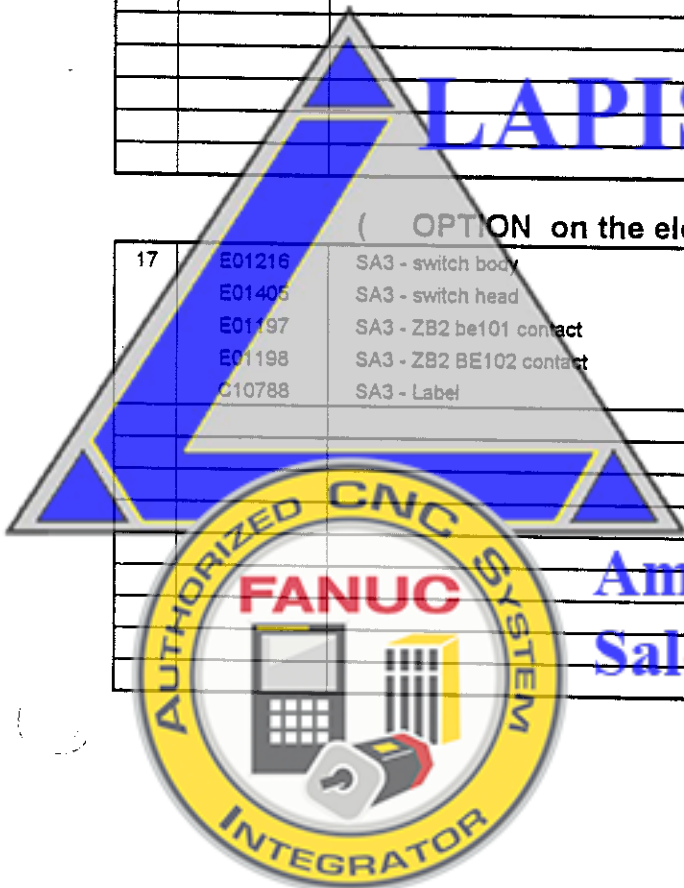
(OPTION)

[illegible]

(OPTION on the electric cabinet door)

17	E01216	SA3 - switch body	1	1	1	1	1	1
	E01405	SA3 - switch head	1	1	1	1	1	1
	E01197	SA3 - ZB2 be101 contact	2	2	2	2	2	2
	E01198	SA3 - ZB2 BE102 contact	2	2	2	2	2	2
	C10788	SA3 - Label	1	1	1	1	1	1

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