

APPENDIX

HFB LT / HFB MT

HF 700 BACKGAUGE

LAPIS SERVICES INC
(219)-464-9131

ARTS LIST

**Amada Support, Rebuilds,
Sales and Fanuc Control Upgrade**



X 40865

Issue : 10/99

HF700 – BACKGAUGE COMPONENT

Unit No.01 Common parts for motorised "R" axis

Unit No.02 Specific parts for manual "R" axis

Unit No.03–05 Pneumatic backgauge finger system
and pneumatic equipment

Unit No.04 Specific parts for motorised "R" axis

Unit No.07 Backgauge finger s

Unit No.12 "Z" axis crossbeam
on the "Y

Unit No.11 Front side of

Unit No.13 motorised

Unit No.06 Cowling

Unit No.10 Gauge Rear side of the backgauge arm

Unit No.09 "X1","X2" axis motor unit

Unit No.15 "Z1","Z2" axis motorisation

Unit No.08 "Z" axis manual blockage

Unit No.16 "Z1","Z2" axis drive mechanism

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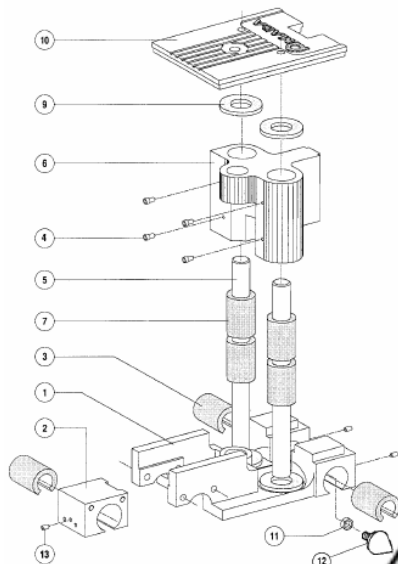
Unit No.14 "Z" axis crossbeam

"X1","X2" axis swivel attachment



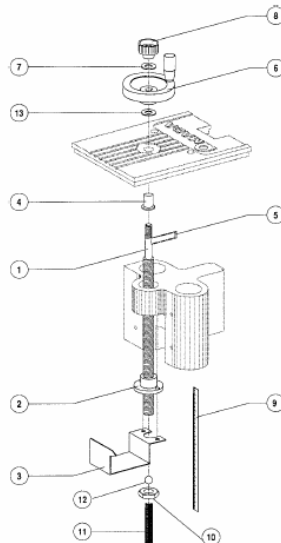
Unit No. 1

Common parts for motorised « R » axis



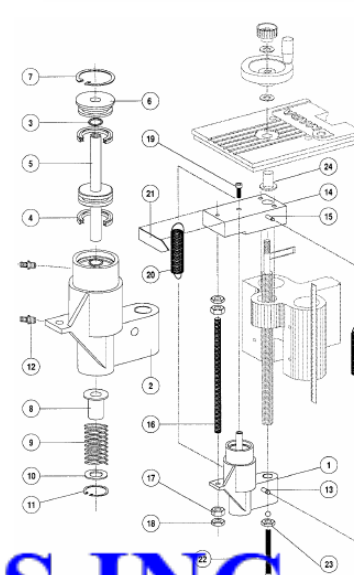
Unit No. 2

Specific parts for manual « R » axis

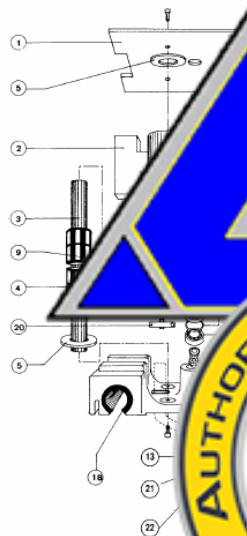


Unit No. 3

Pneumatic backgauge finger system and pneumatic equipment

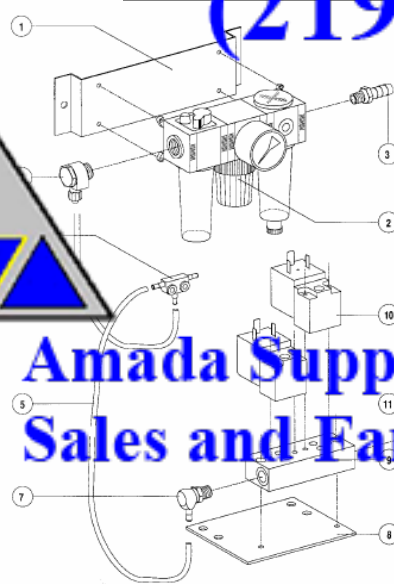


Specific



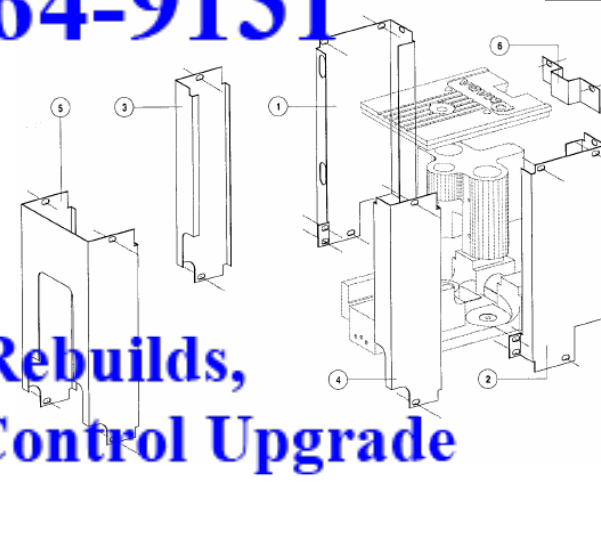
Unit No. 5

Pneumatic backgauge finger system and pneumatic equipment



Unit No. 6

Cowling

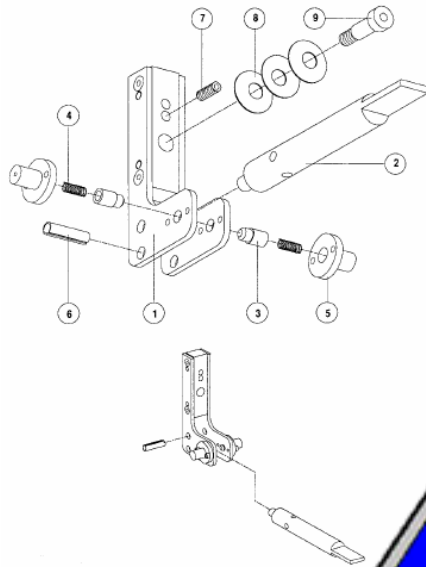


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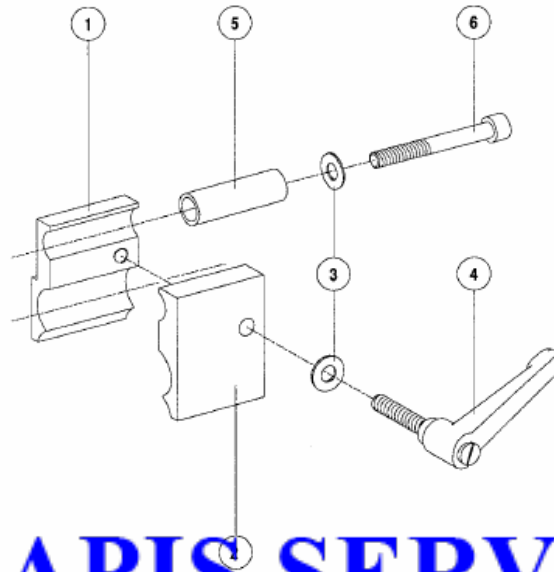
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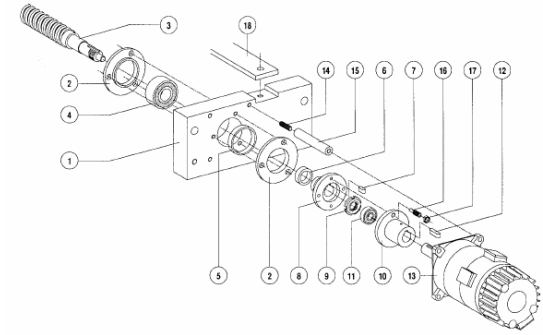
Unit No. 7
Backgauge finger stop



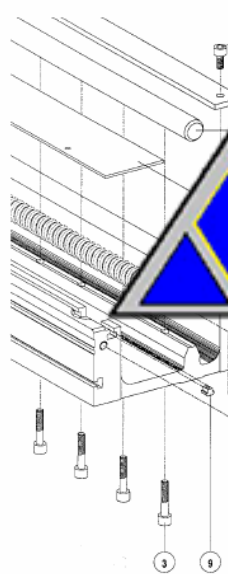
Unit No. 8
« Z » axis manual blockage



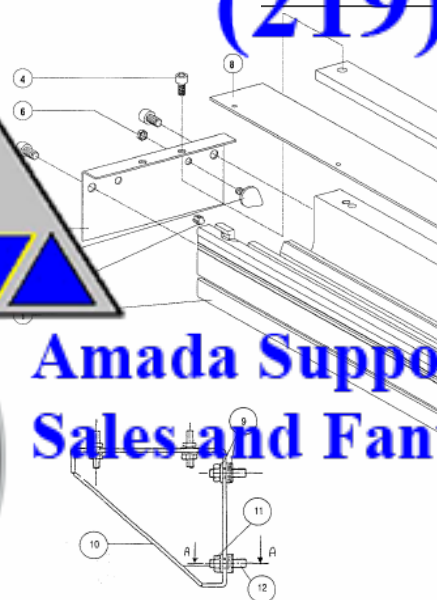
Unit No. 9
« X1 », « X2 » axis motor unit



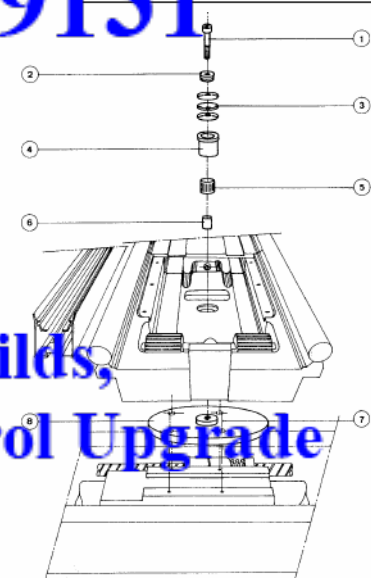
Gauge r



Unit No. 11
Front side of the back gauge arm



Unit No. 12
« Z » axis crossbeam fixation on the « X1 » axis side



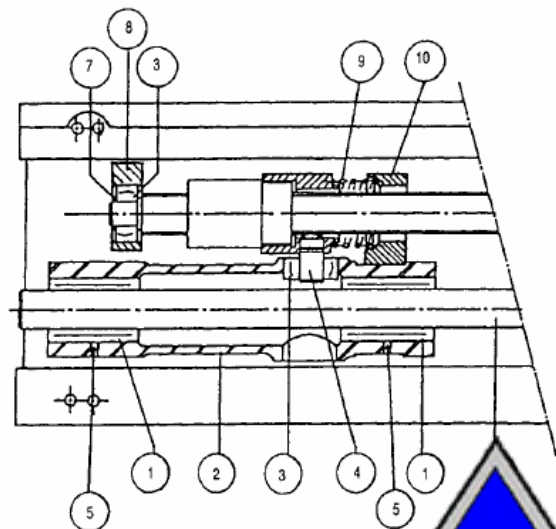
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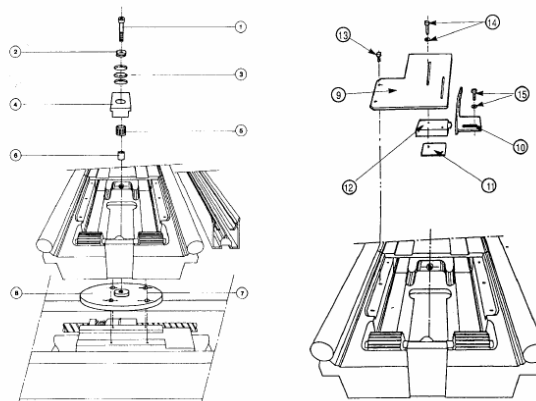
Unit No. 13

Motorisation of left and right arm s/assembly



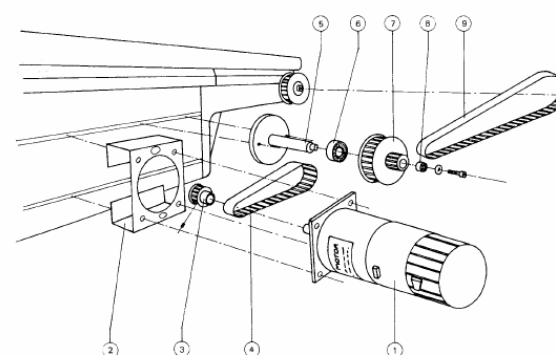
Unit No. 14

« Z » axis crossbeam fixation on the « X2 » axis side and « X1 », « X2 » axis swivel attachment

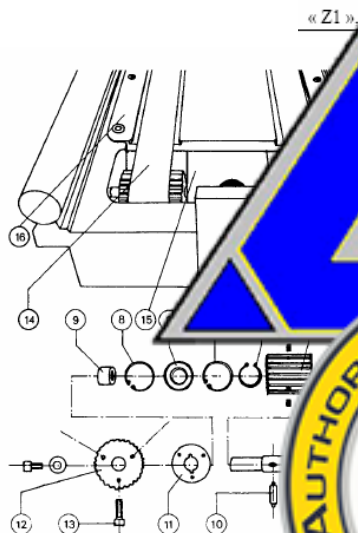


Unit No. 15

« Z1 », « Z2 » axis motorisation



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Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	C12084	Axis « R » machined plate			1		
2	C12098	Axis « R » rear bearing			1		
3	M23715	KN 025 P PAS ball sleeve			3		
4	C12239	Sleeve « X » and « R » blocking screw			3		
5	C12086	Axis « R » column			2		
6	C12099	Axis « R » stop block			1		
7	M23716	KN 25 P			4		
9	C12336	60 x 3			4		
10	C12118	Ma			1		
11	B35095	L			1		
12	M03503				1		
13	M90078			WN-LHC40M5			From 03/95

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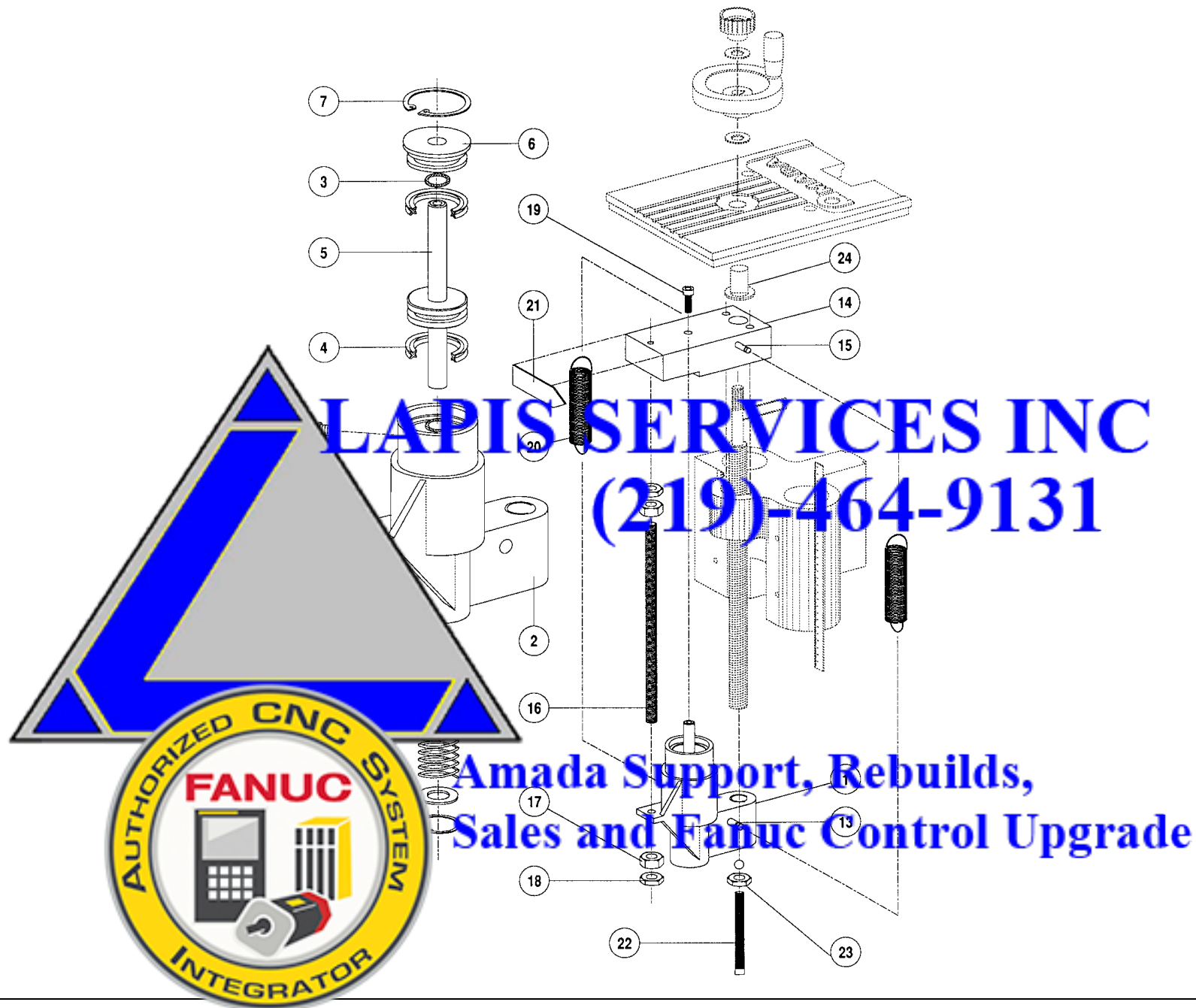
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6133	3 x 3 long. 10 m key
3013	Control whe
0534	Mu 10 w
2066	BT 32 switch
1006	Gra
5269	C

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Amada Support, Rebuilds, Sales and Fanuc Control Upgrade



Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	D40954	Cylinder unit			1		
2	C12461	Cylinder housing			1		
3	H18065	JF4 N° 7 A ring			2		
4	H18066	JF4 N°19 ring			2		
5	C12433	Cylinder rod			1		
6	C12432	Cylinder no			1		
7		7000 Ø 2			1		
8	C12434	Rode			1		
9	C12559	Ga			1		
10	B60513	7			1		
11	M01202				1		
12	H50310				2		
13	C127				1		
14	C12435	Gr			2		
15	C12738				1		
16	C12456				2		
17	B35004				1		

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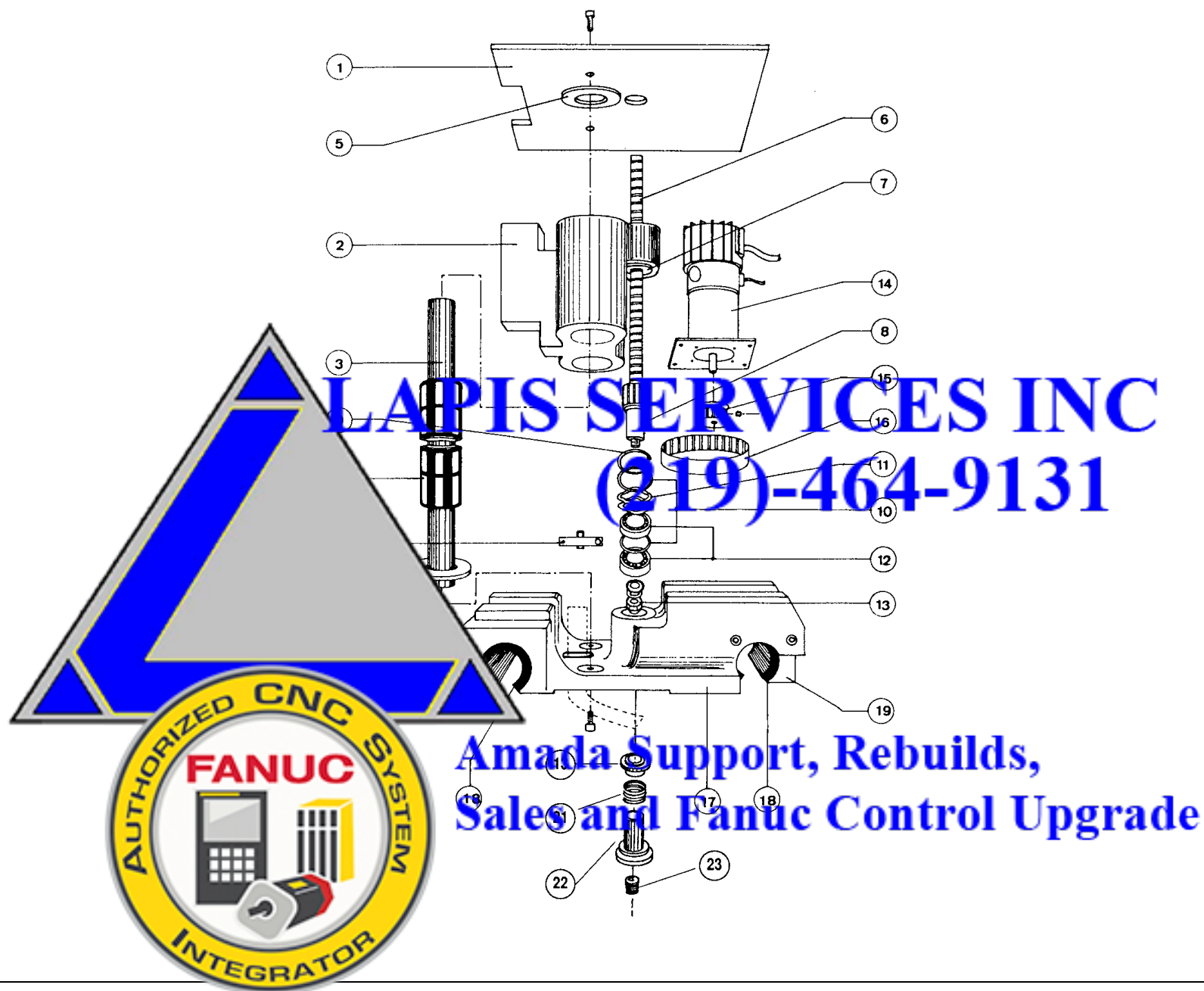


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Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
	D40758	Motorized « backgauge finger system » s/u		CN1 – CN2	2		
1	C12118	Upper plate			1		
2	C12099	Carriage			1		
3	C12086	Column			2		
4	M23716	Ball sleeve		KN 25 PP	4		
5	C12336	Elastomer v		5x30 x 60 50 SH	4		
6	C12096	Ball screw		D12 PA54	1		
7	C12089	Nut fl			1		
8	C12087	Drive			1		
9	M01242	C		7000 – 30 x 1,5	1		
10	C12246				2		
11	B71010			54 – 23 – 01	2		
12	M299			7200 BEP	2		
13	C14673	W					
14	E04581	C		L511012EL6	1		
15	C12088			T5-16	1		
16	M37840	L		T5-16-200	1		

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4674	Spring		
4136	Axe		
4120	Hc/BP sc		



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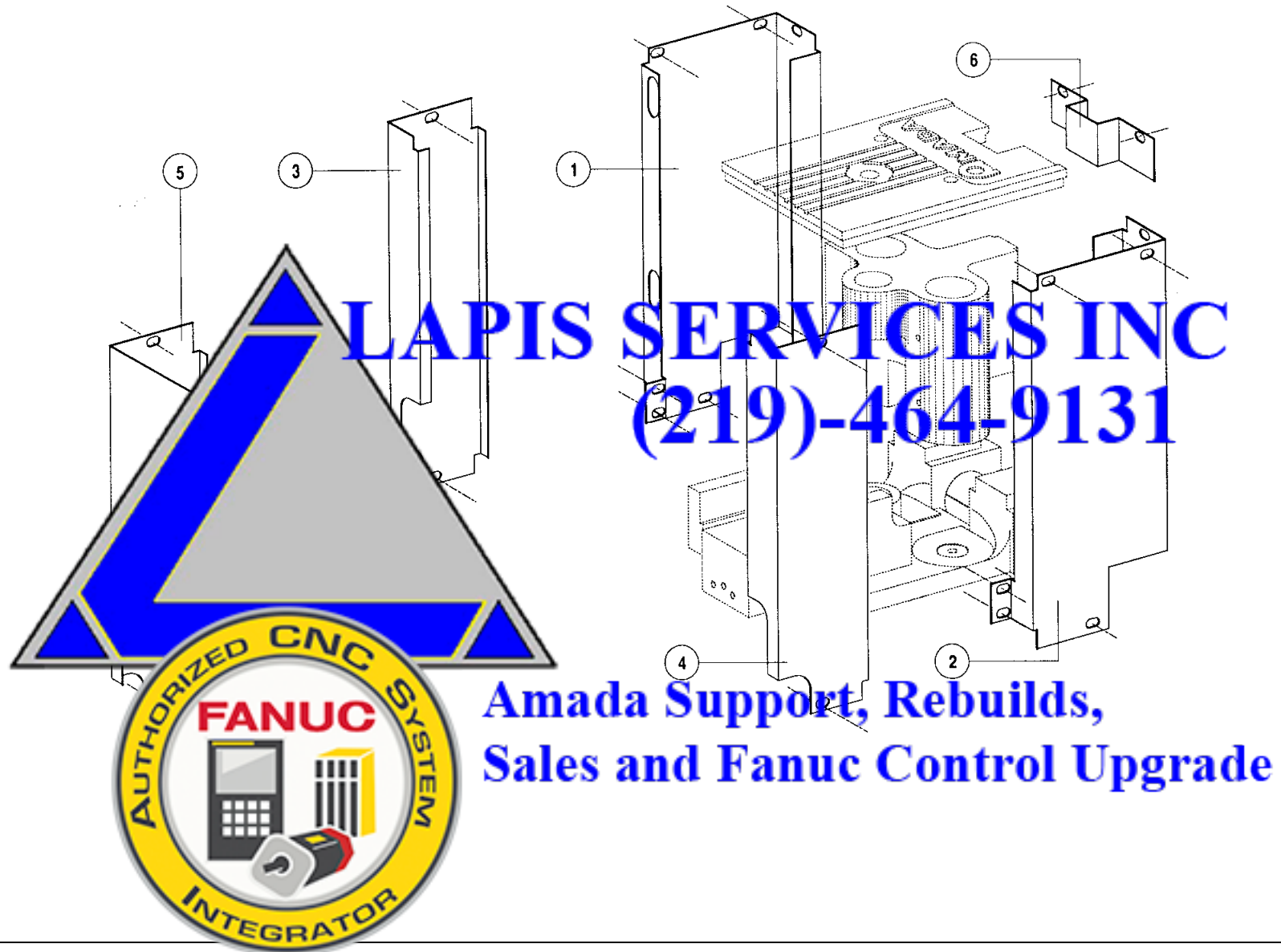


Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	C12638	Filter support FRL			1		
2	H50298	FRL (4300) 4018 filter			1		
3	H70946	0123 10 13 sleeve			1		
4	H18063	BANJO LCK 1/4 PK 4 coupling			1		
5	H18064	4 x 6 hose					
		Specify the to be ordered					
6	H18062	FCN 1/8			1		
		Qty + 1 finger system »					
7	H18061	LCN coupling			3		
8	C12604				1		
9	H18060				1		
10	H18059				2		
11	B065				1		
	E18338	LU					

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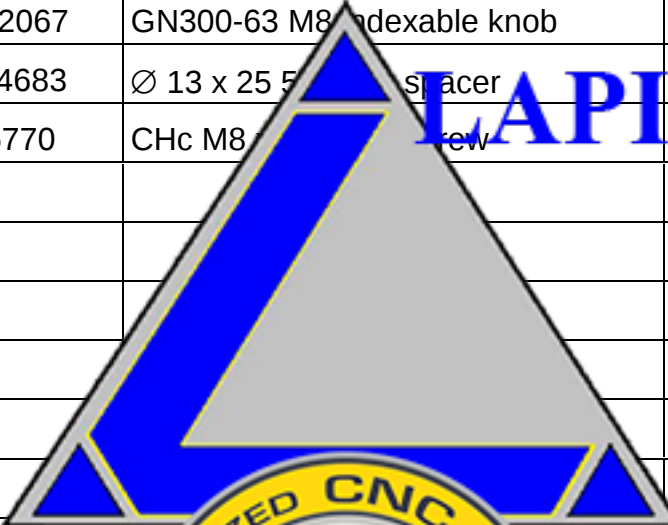
[illegible]

B Assembly direction on the machine

NOTE : According to A or B, the pin fits into either hole



2067	GN300-63 M8 indexable knob
4683	Ø 13 x 25 5mm spacer
5770	CHc M8 10mm screw






Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	C12307	10 mm screw rear bearing			1		Glued to item 14 LOCTITIE 222
2	C12300	Support washer			2		
3	C12298	Ø 25 ball screw			1		
4	M30007	3203 A 2 RS 1 bearing			1		
5	C16899	Ø 40 Lg. 7,5 mm spacer ring			1		
6	C12683	Ø 23 Lg. 7 mm spacer ring			1		
7	M06134	5 x 5 x 12 mm key			1		
8	C12301	Ball screw bearing			1		
9	B55012	KM			1		
10	C12303	M			1		
11	M30675				1		
12					1		Supplied with the motor
13	E602				1		Only for NC1- NC2
	E60217	L7 motor					Only for DA 58
14	B14134	crew			4		
15	C12306				4		
16	C12424				1		



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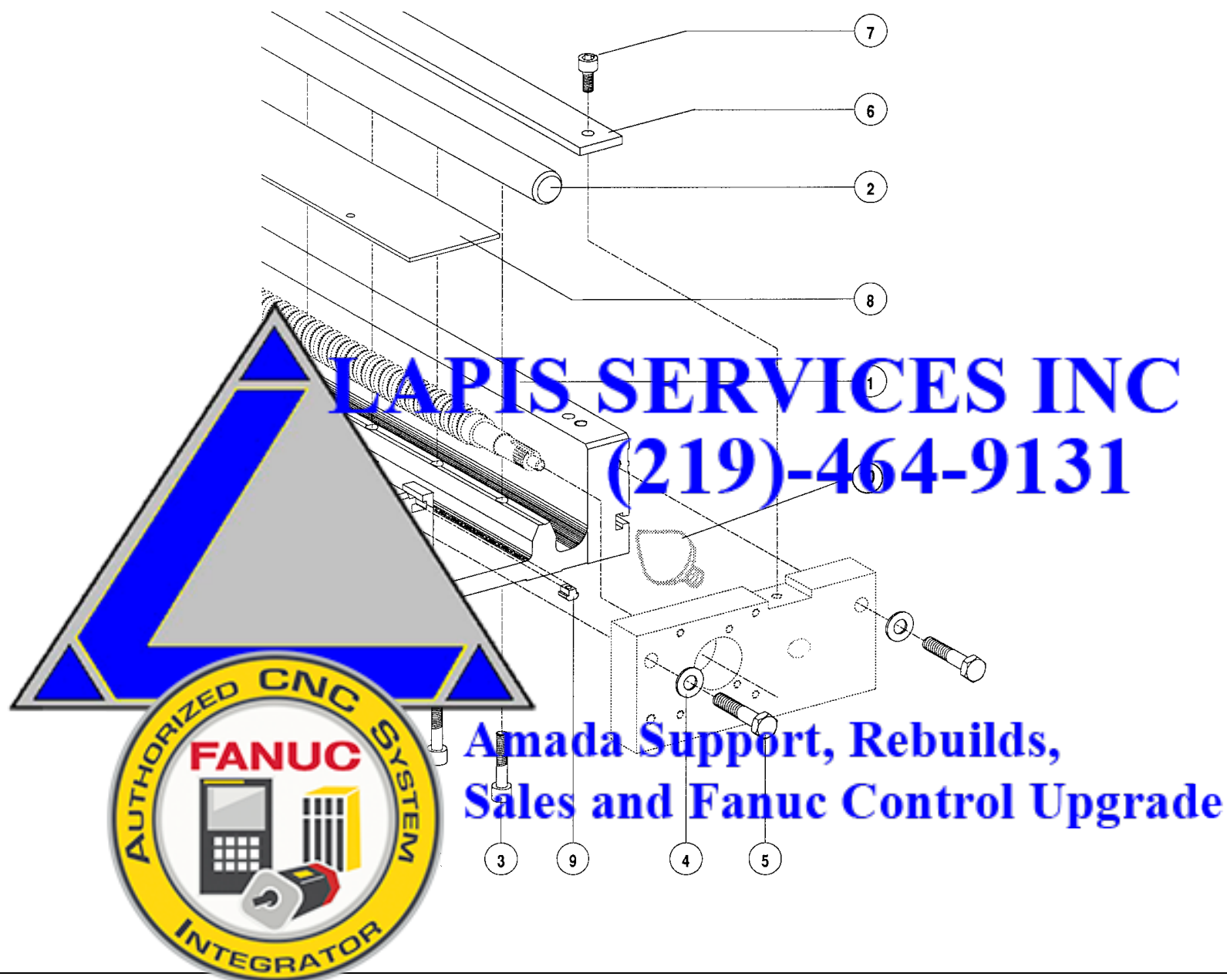
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The logo features a large blue triangle with a white border. Inside the triangle, the letters 'LAPI' are written in a stylized, bold, blue font. Below the triangle is a circular seal with a yellow border. The text 'AUTHORIZED CNC SYSTEM' is written in black around the top half of the seal, and 'INTEGRATOR' is written in black around the bottom half. In the center of the seal, the word 'FANUC' is written in red. Below 'FANUC' are three icons: a black CNC machine, a yellow building, and a black and red tool bit.

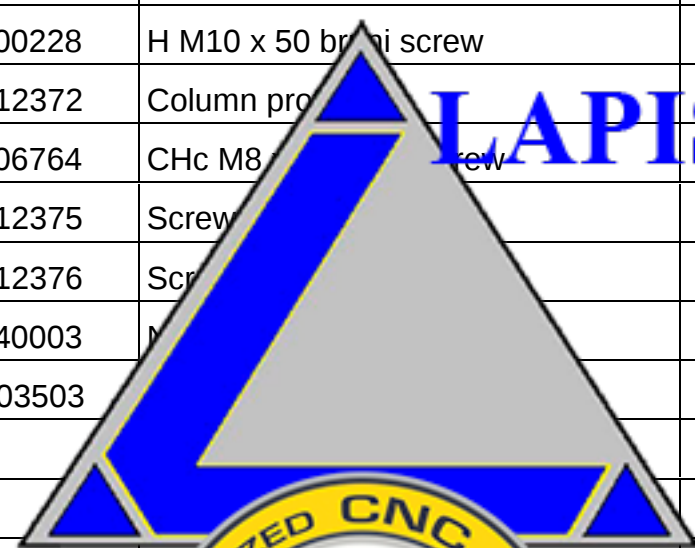


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Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	C12369	X1 – X2 machined arm			1		
2	C12065	X1 – X2 guiding arm			1		
3	B06766	CHc M8 x 45 bruni screw			13		Glued to item 1 LOCTITE 222
4	B60534	Mu 10 washer			2		
5	B00228	H M10 x 50 bruni screw			2		
6	C12372	Column pro			1		
7	B06764	CHc M8 screw			2		
8	C12375	Screw			1		For AP and HFE
	C12376	Scre			1		For IT2
9	B40003	N			4		
10	M03503				2		



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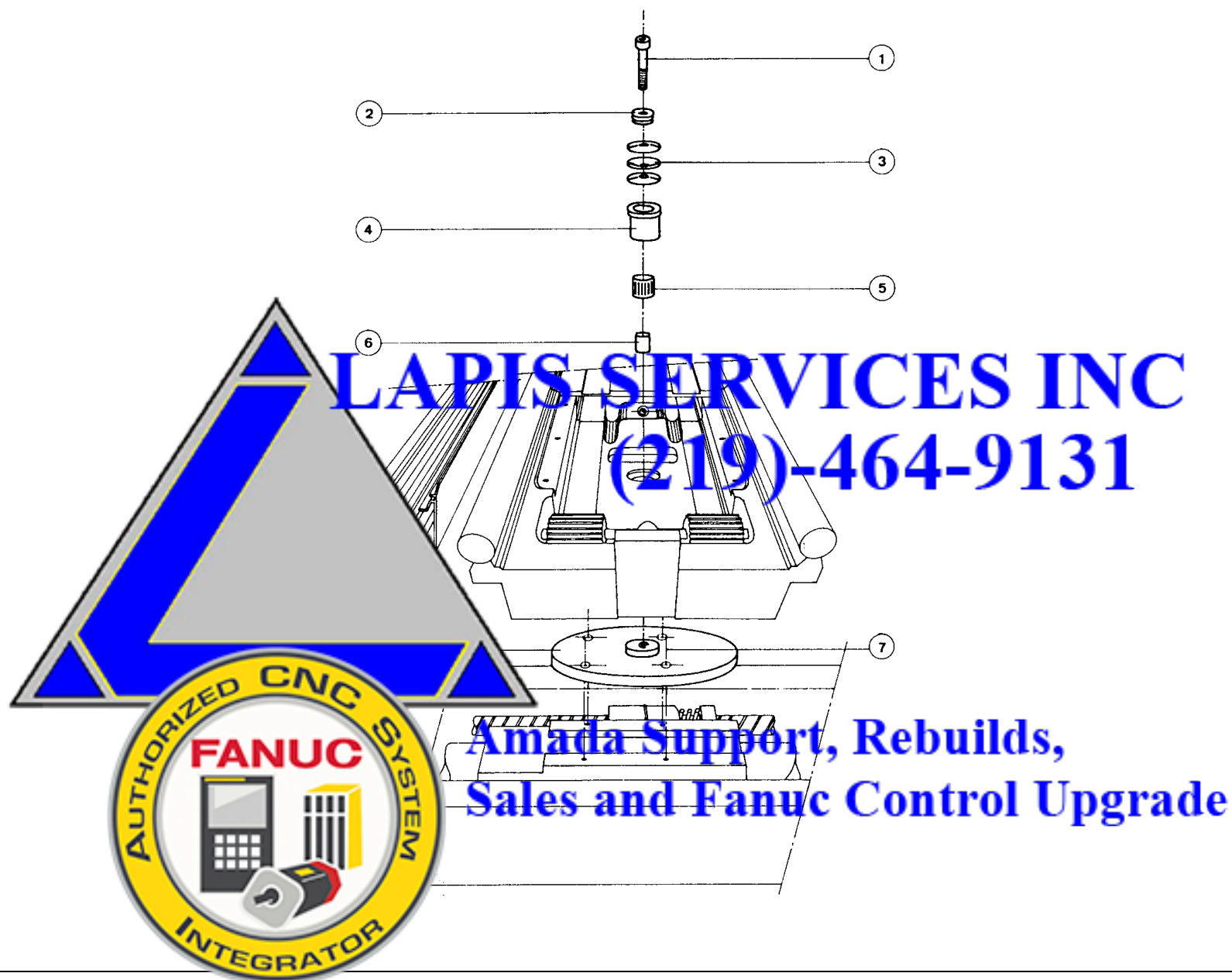


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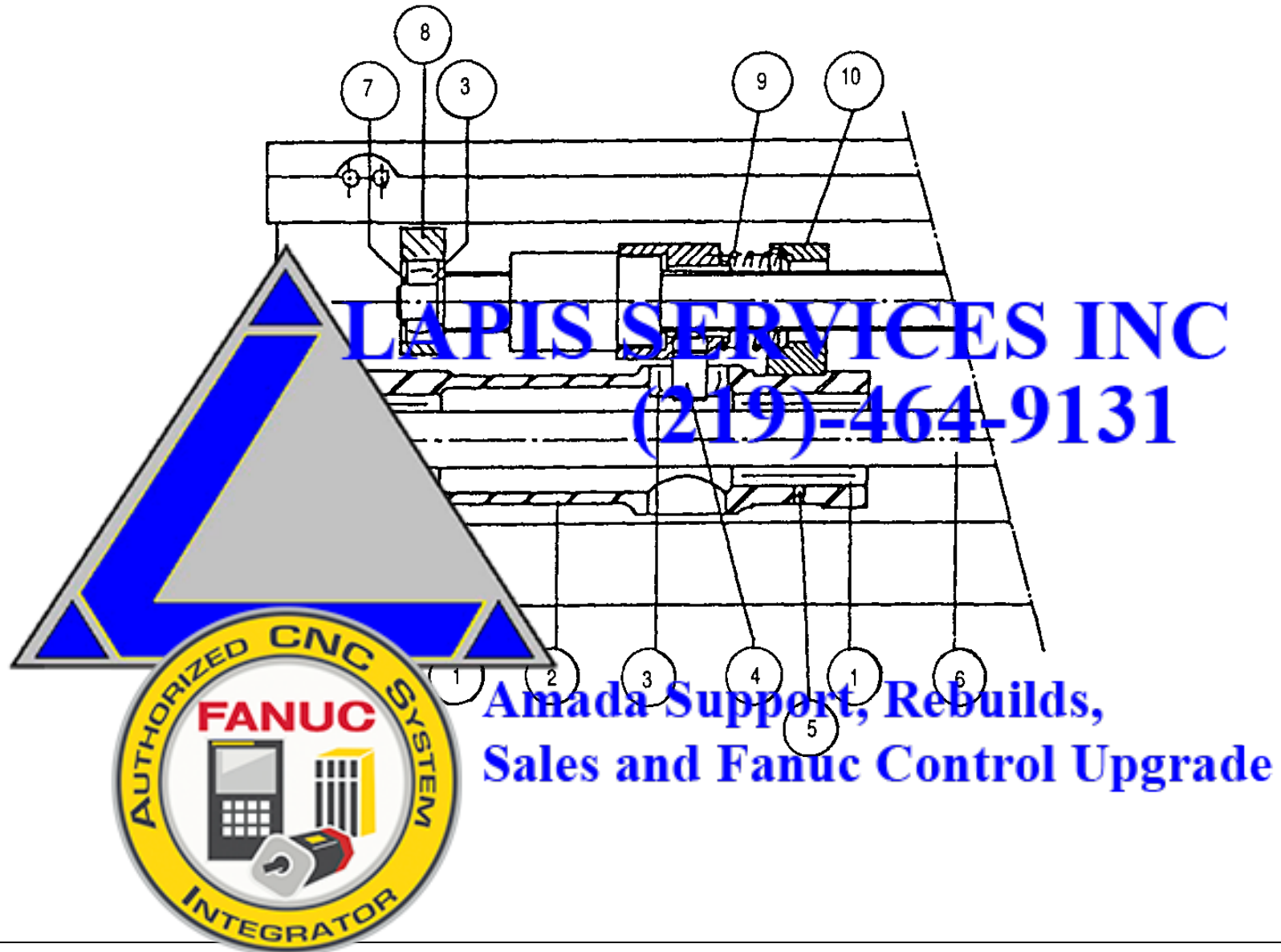
3503	Damping device	PAULSTRA 512251
5035	H M8 nut	LAPI
8001	NOREL	95 nut
2375	Screw	
0534	Wa	
2145	A	
5036		
4203		

Am
Sal

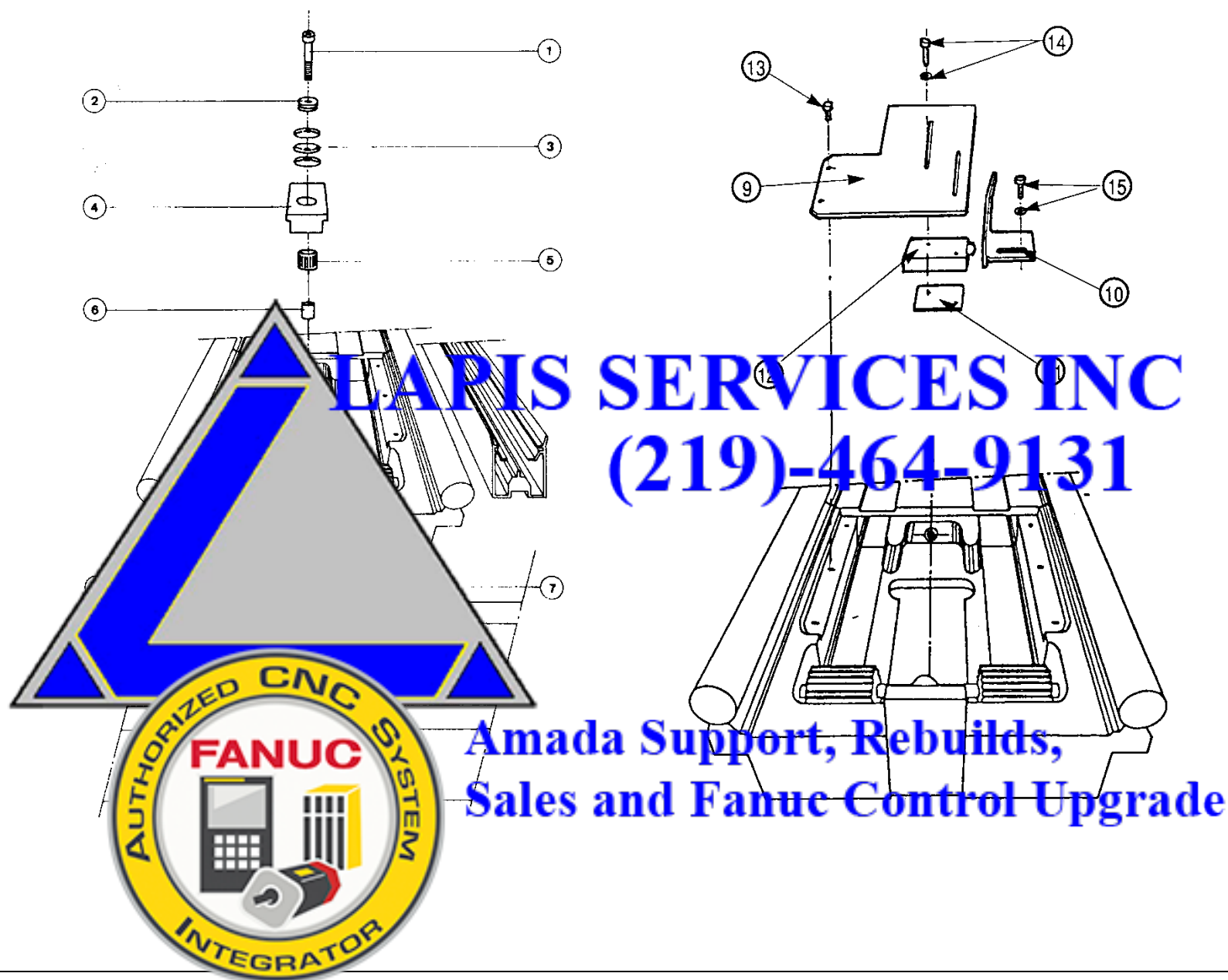


3717	NA HK 20162016 bearing
8252	INA LR 15 23 ing
6616	CHc M5
2373	Cross

The logo is a circular emblem with a yellow outer ring containing the text 'AUTHORIZED CNC SYSTEM' at the top and 'INTEGRATOR' at the bottom. The center of the logo is white and features the word 'FANUC' in red, a black CNC control panel, a yellow industrial building, and a grey padlock.



0078	VNLHC 40M5 coupling
2065	Axis column
1006	E circlips
2304	10 thru support
4909	Cor
6680	P
6680	

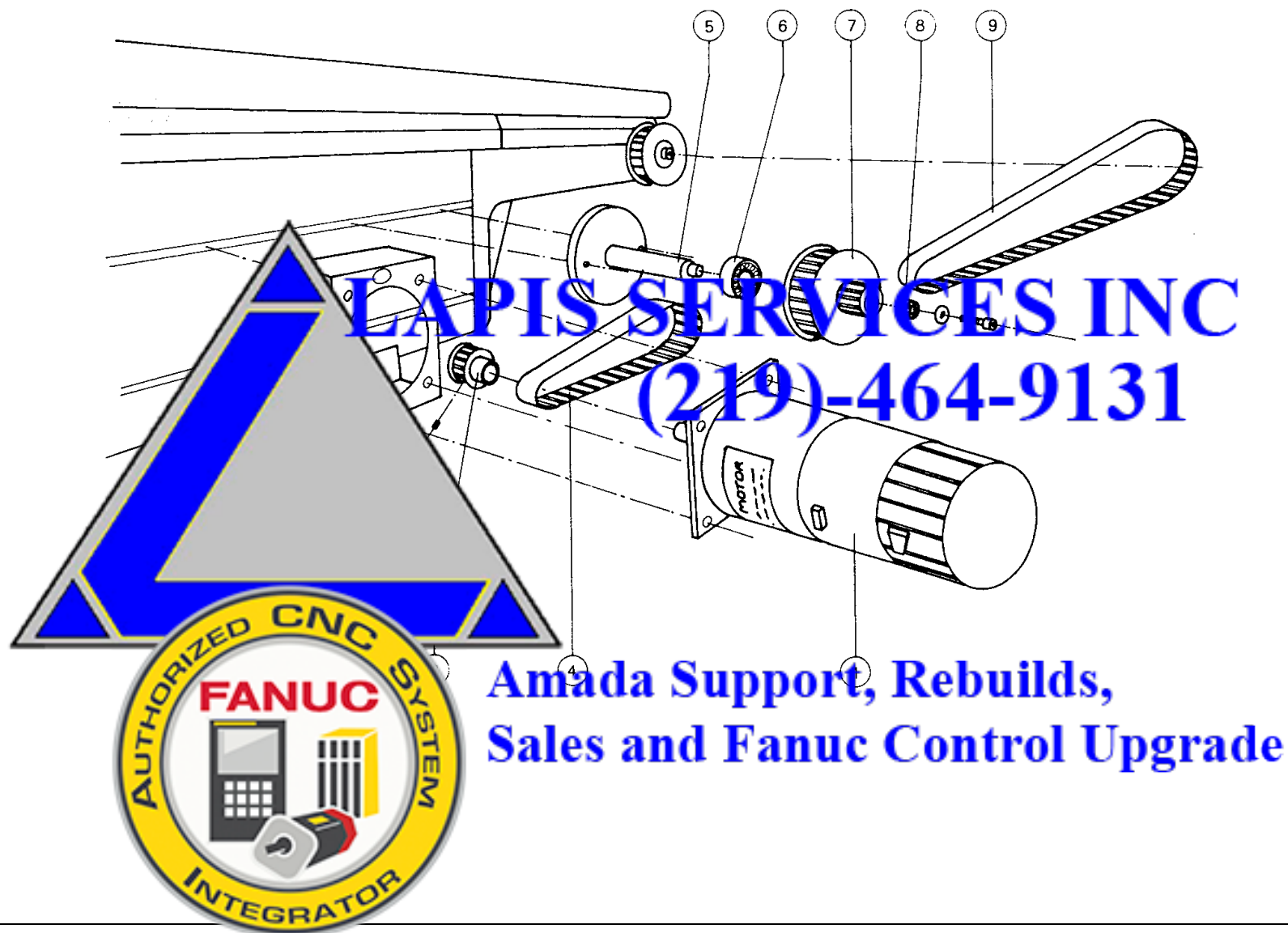


Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	B06785	Screw		CHc M10 x 35	1		
2	B60534	Washer		Mu10	1		
3	B70555	40 x 20,4 x 1 spring washer			3		
4	C12104	Sliding stop « Z »			1		
5	M23717	INA HK 2016-7RS bearing			1		
6	M08252	INA LR 15 x 23 ring			1		
7	B06616	CHc M5			4		
8	C12373	Cross			1		« Molykotte » grease
9	C14918	Sup			1		
10	C12426	S			1		
	C18555				1		From 10/96
11	C13053				1		
12	E007			MP320 – 1MS/375/600	1		
13	B10615	Sc		FHc 6 x 12	1		
14	B00010				2		
	B60529				2		
15	B06663				2		
	B60532	Mu			X		

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2144	Intermediary axis
0514	Axis bearing
2143	Intermed
0516	End b
7841	Z tr

LAPI

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Sal



Index	Parts Number	Parts Name	Drawing No.	Type (Maker)	Qty	Machine Type	Note
1	C10108	Drive axis			1		
2	M01006	E 15 x 1 circlips			1		
3	M30604	Bearing		6002 2RS	2		
4	M01008	E 17 x 1 circlips			4		
5	M30515	Bearing		61803 – 2RS	2		
6	C121106	Free pulley		T5/24	1		
7	C12105	Drive pulley		T5/24	1		
8	M01203	I 32 x			2		
9	C12109	Sp			1		
12	C12110	F		T5/28	1		
14	M37830			Lg 3000 mm	2	50.20	Material code per meter
	M37830			Lg 3000 mm	2	80.25	
	M37830			Lg 4020 mm	2	100.3	
15	C13101	P					
16	C12256	C			2		

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NOTE : Kit C 58330 compos