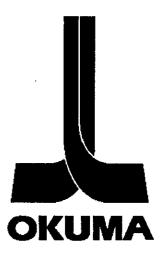
## **VERTICAL MACHINING CENTER**

# **CADET - MATE**

### **OSP 700 M CNC**

PARTS BOOK

Publication No.: 0014 (February 1998)





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#### **PARTS BOOK**

This Parts Book has been prepared to assist you in ordering replacement and servicing parts for the OKUMA Cadet - Mate Vertical Machining Center.

Due to constant improvements in design, you may slight variations from the machine delivered to you. This merely indicates that equipment improvements have been made to better meet your requirements.

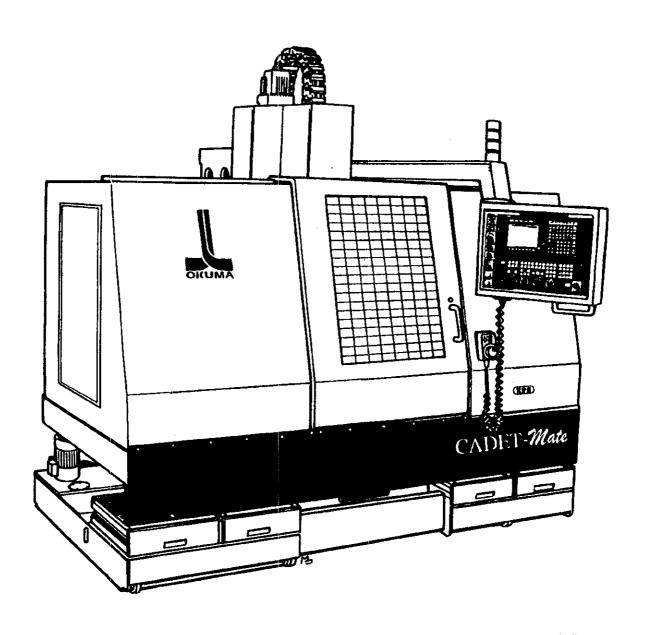
#### **ORDERING REPAIR PARTS**

In order to obtain smooth and rapid service when ordering repair parts, please give careful attention to the following five instructions.

These FIVE requirements are essential:

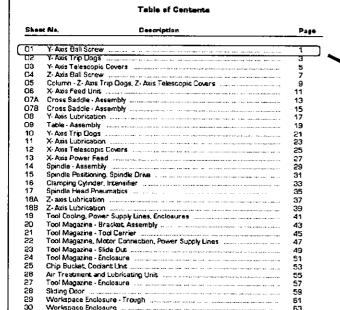
- 1. GIVE COMPLETE SIZE, TYPE OF MACHINE AND CNC SYSTEM. EX. CADET MATE with OSM 700CNC
- 2. GIVE COMPLETE SERIAL NUMBER OF MACHINE.

  This serial number will be found stamped on the manufacturer's name plate attached to the machine.
- 3. GIVE PARTS BOOK PUBLICATION NO., SHEET NO., INDEX NO., PART NO., AND PART NAME (DESCRIPTION).
- 4. FOR ELECTRICALS, SPECIFY POWER VOLTAGE, FREQUENCY, RATING, BRAND NAME AND OTHER INFORMATION FOUND ON THE PART.
- 5. STATE QUANTITY WANTED.



Okuma CADET - MATE with OSP 700 M CNC

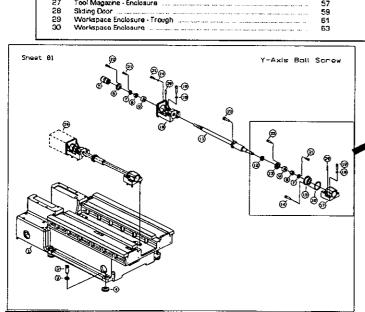
Reference to the parts book (When the part No. is not given)

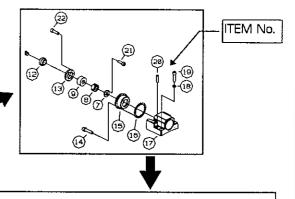


1. After searching the CONTENTS in which the required part belongs, turn to the sheet No. page.

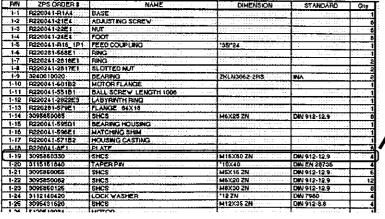


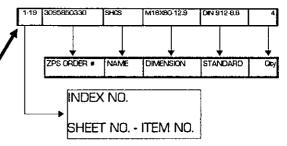
2. After searching the required part in the drawing, remember the item No.

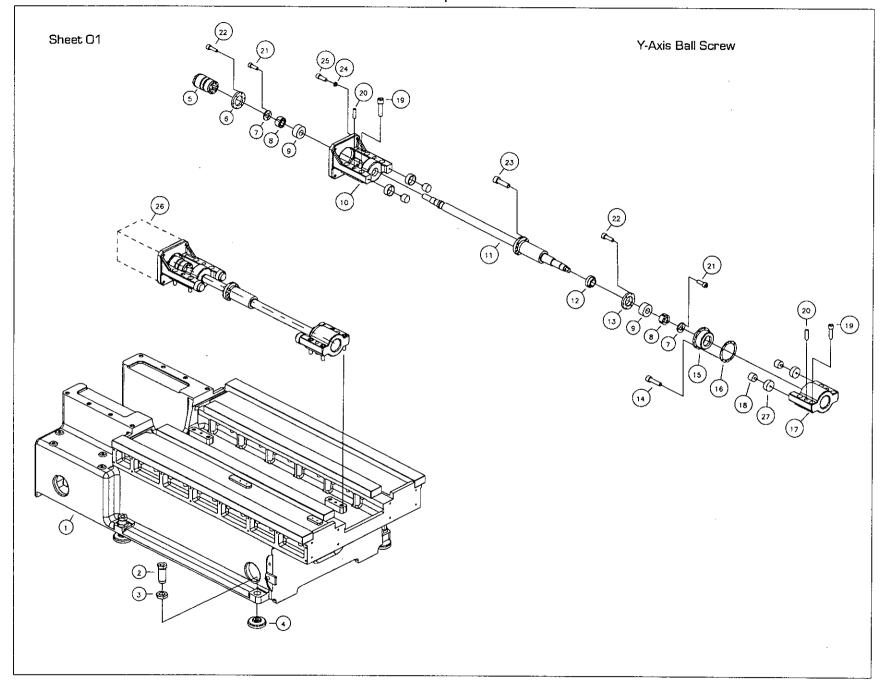




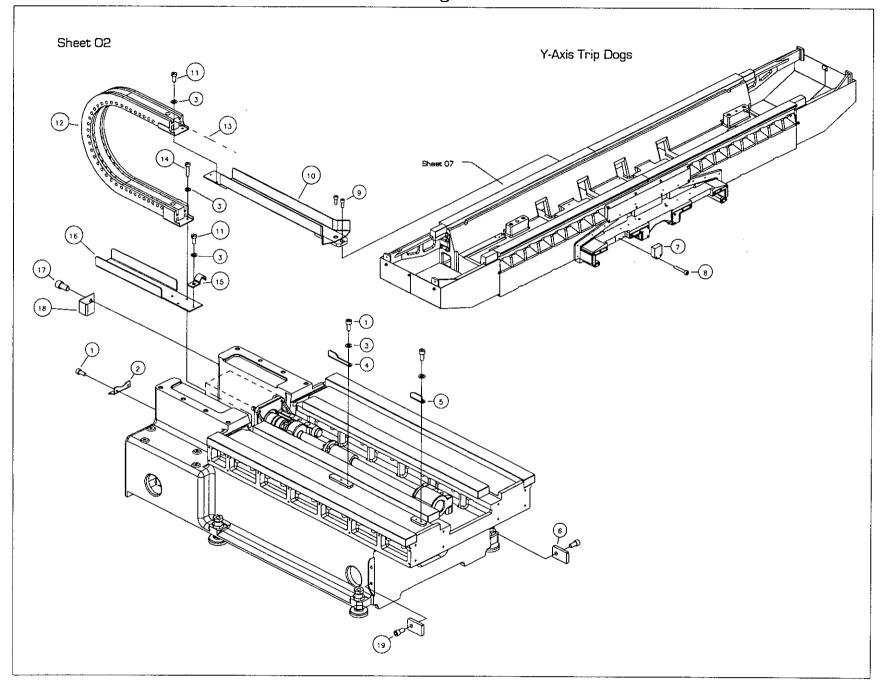
3. Search the data of the corresponding part in the list by the found item No. in order to obtain the desired information.



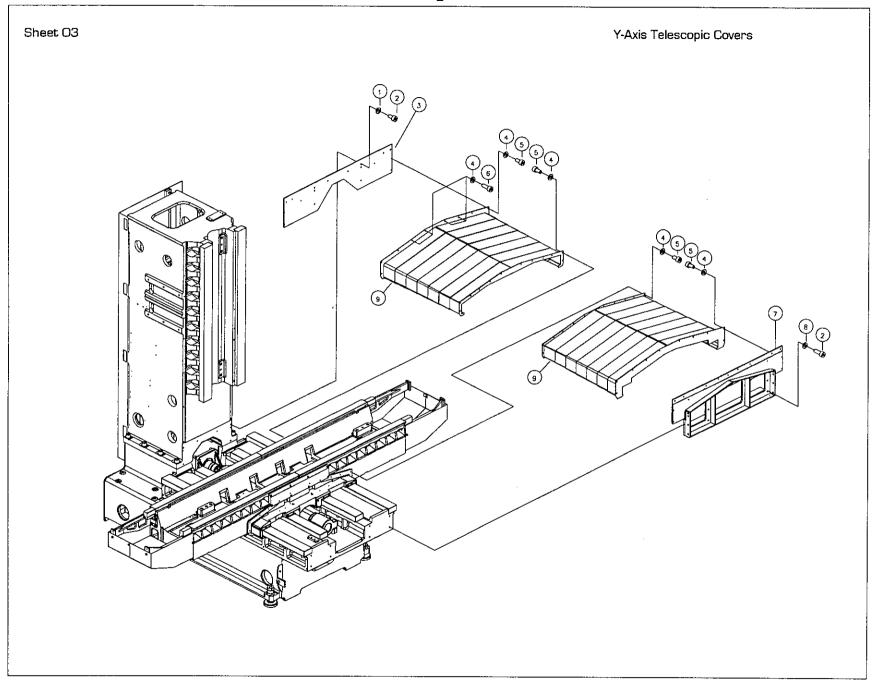




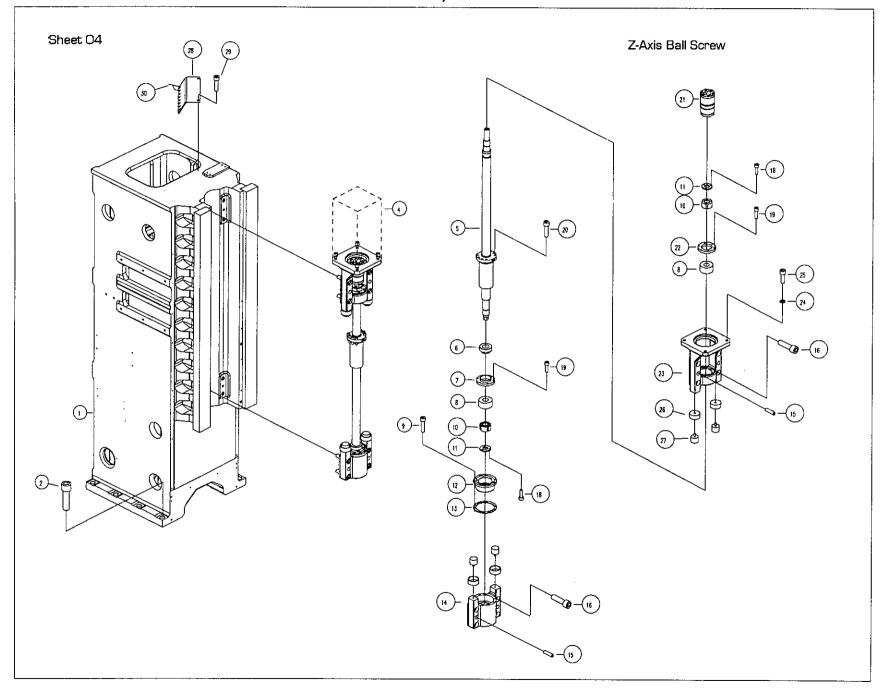
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
1-1	R220041-R1A5A	BASE			1
1-2	R220041-21E5	ADJUSTING SCREW			6
1-3	R220041-22E5	NUT			6
1-4	R220041-24E5	FOOT			6
1-5	R220041-R16_1P1	FEED COUPLING	*35/*24		1
1-6	R220281-568E1	RING			1
1-7	R220241-2818E1	RING			
1-8	R220241-2817E1	SLOTTED NUT			5 5 5
1-9	3240010020	BEARING	ZKLN3062-2RS	INA	2
1-10	R220041-601B3B	MOTOR FLANGE			1
1-11	R220041-551B1	BALL SCREW LENGTH 1008			1
1-12	R220241-2822E3	LABYRINTH RING			1
1-13	R220281-579E1	FLANGE 84X18			1.
	3095850085	SHCS	M6X25 ZN	DIN 912-12.9	8
	R220041-595D1	BEARING HOUSING			1
1-16	R220041-596E4	MATCHING SHIM			1
1-17	R220041-571B4B	HOUSING CASTING			1
1-18	R220041-591E4	RUBBER STOP			4
1-19	3095850330	SHCS	M16X60 ZN	DIN 912-12.9	8
	3115151910	TAPER PIN	*10X50	IS08736-B	4
1-21	3095850055	SHCS	M5X16 ZN	DIN 912-12.9	6
1-22	3095850082	SHCS	M6X20 ZN	DIN 912-12.9	12
	3095850125	SHCS	M8X30 ZN	DIN 912-12.9	8
	3112140420	LOCK WASHER	*12 ZN	DIN 7980	4
1-25	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	4
	5129510034	MOTOR			1
1-27	R220041-590E4	DISH			4
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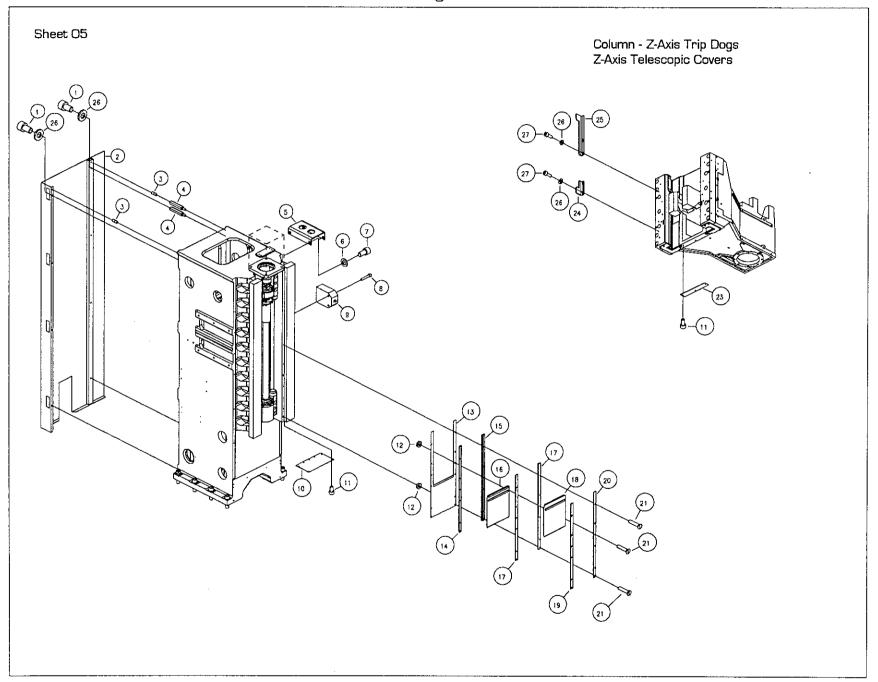
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
2-1	3095430060	SHCS	M5X12 ZN	DIN 912	6
5-5	R220041-31E4	GUTTER			1
2-3	3112100150	WASHER UNDER HH	*5.3 ZN	ISO 7089	11
2-4	R220041-2706E4	TRIP DOG			1
2-5	R220041-2707E4	TRIP DOG			1
2-6	R220041-19E5	STOP	6		2
2-7	4051140195	SWITCH	BNS519-99FR-11		1 1
2-8	3095850048	SHCS	M4x25 ZN	DIN 912-12.9	2
2-9	3095430690	SHCS	M8x20 ZN	DIN 912-8.8	2
2-10	R220041-2751C2A	POWER CARRIER HOLDER	7.1		1
2-11	3092311370	CHEESE-HEAD SCREW	M5x12 ZN	DIN 84	4
2-12	R220041-275702	POWER CARRIER			1
	R220041-2781D3	HOSE	****		1 1
	3092311430	CHEESE-HEAD SCREW	M5x16 ZN	DIN 84	3
2-15	3117400090	CLIP OT 1S TR	*12 ZN	DIIVOT	1
	R220041-2754D2A	POWER CARRIER PAD	1 G 6m1 V		1
2-17	3095431940	SHCS	M16x30 ZN	DIN 912-8.8	-
	R220041-2791E2	CABLE HOLDER	IVI I OX3U ZIV	DIN 9 12-6.6	1 1
2-19	3095431560	ISHCS	1440-05 7N	DIN 040 0.0	1
2-13	303343 1360	31163	M12x25 ZN	DIN 912-8.8	5
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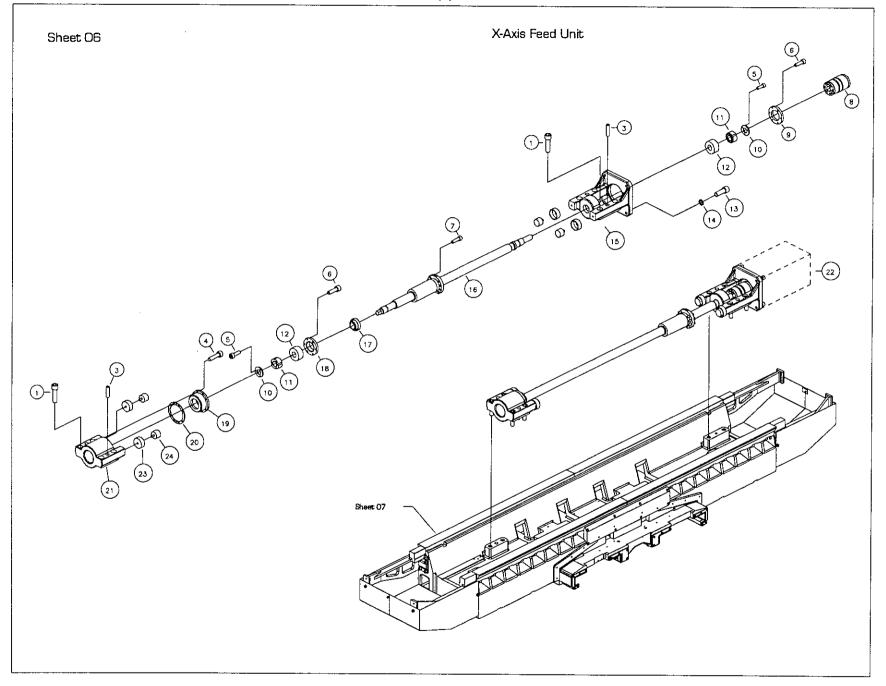
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
3-1	3112100210	WASHER	*8.4 ZN	ISO 7089	4
3-2	3095430690	SHCS	M8*20 ZN	DIN 912	12
3-3	R220041-114C1A	COVER			1
3-4	3112100150	WASHER	*5.3 ZN	ISO 7089	44
3-5	3095430030	SHCS	M5X10 ZN	DIN 912	40
3-6	3095430090	SHCS	M5X16 ZN	DIN 912-8.8	4
3-7	R220041-R11A4D	CARRIER PLATE	MOXIG ZIV	DITO IL O.O	1
3-8	3112140300	SPRING WASHER	*8 ZN	DIN 7980	8
3-9	R220041-2801D2	Y-GUIDEWAY COVER	OZIV	DIN 7 300	2
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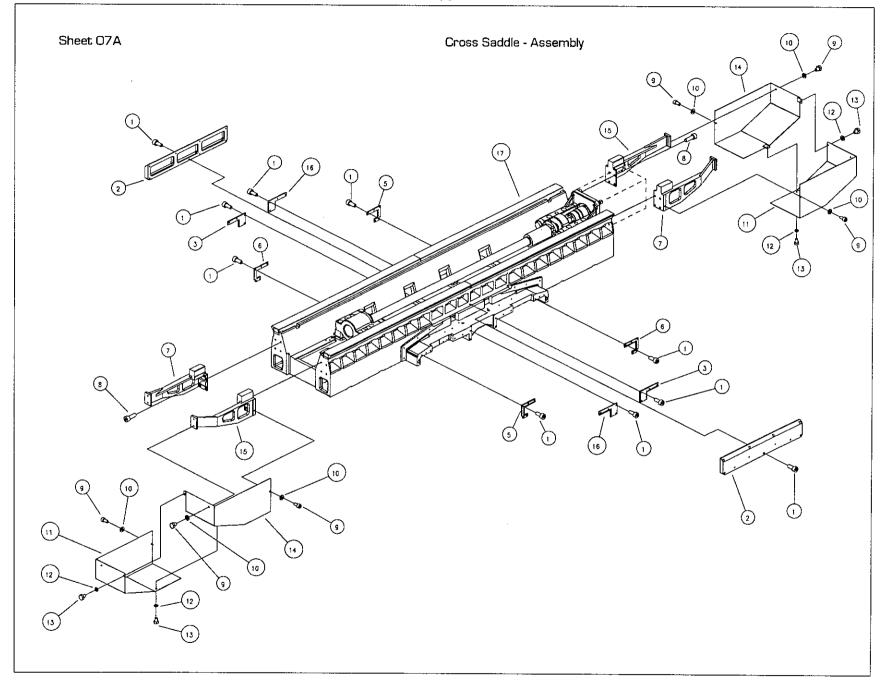
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4-1	R220041-101A5D	COLUMN			1
4-2	3095850410	SHCS	M20x70 ZN	DIN 912-12.9	8
4-4	5129510035	MOTOR			1
4-5	R220041-551B1	BALL SCREW LENGTH 1008			1
4-6	R220241-2822E3	LABYRINTH RING			1
4-7	R220041-596E4	MATCHING PLATE			1
4-8	3240010020	BEARING	ZKLN3062-2RS	INA	2
4-9	3095850083	SHCS	M6x25 ZN	DIN 912-12.9	8
4-10	R220241-2817E1	SLOTTED NUT			2
4-11	R220241-2818E1	RING			2
	R220041-595D1	HOUSING			1
4-13	R220281-579E1	FLANGE 84X18			1
4-14	R220041-571B4B	BODY CASTING			1
4-15	3115151910	THREADED TAPER DOWEL PIN	*10x50	IS08736-B	4
4-16	3095850330	SHCS	M16x60 ZN	DIN 912-12.9	8
4-18	3095850055	SHCS	M5x16 ZN	DIN 912-12.9	6
	3095850082	SHCS	M6x20 ZN	DIN 912-12.9	12
4-20	3095850125	SHCS	M8x30 ZN	DIN 912-12.9	8
4-21	R220041-R16_1P1	SLIDE COUPLING	*35/*24		1
	R220281-568E1	RING			1
4-23	R220041-601B3B	MOTOR FLANGE			1
4-24	3112140420	SPRING WASHER	*12 ZN	DIN 7980	4
	3095850202	SHCS	M12x35 ZN	DIN 912-12.9	4
	R220041-590E4	STOP DISH			4
4-27	R220041-591E4	RUBBER STOP			4
4-28	R220041-781D5A	HOLDER			1
	3095430260	SHCS	M6x10 ZN	DIN 912-8.8	2
4-30	2830000070	BINDING BAND			6
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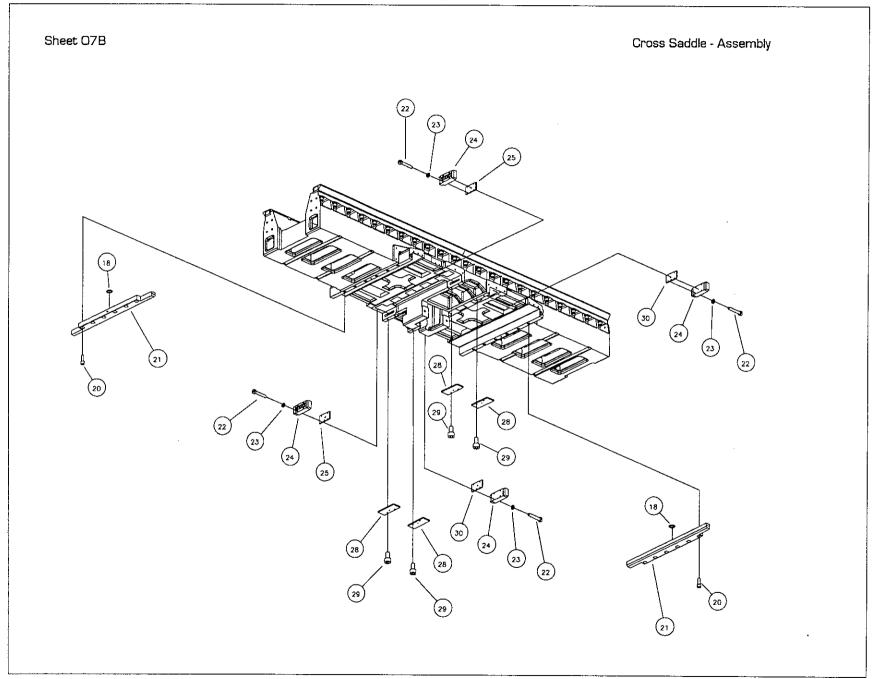
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
5-1	3095430260	SHCS	M6X10 ZN	DIN 912-8.8	8
5-2	R220041-14181	REAR COVER			1
5-3	3091990370	ADJUSTING SCREW CKZ	M6X7.5X10 CE	CKZ	5
5-4	R220041-144E1	EXTENSION PIECE			5
5-5	R220041-135D4A	ELCABINET HOLDER			?
5-6	3112100310	WASHER	*17 ZN	ISO 7089	4
5-7	3095431940	SHCS	M16X30 ZN	DIN 912-8.8	4
5-8	3095850048	SHCS	M4X25 ZN	DIN 912-12.9	2
5-9	4051140195	SWITCH BNS 519-99FR-11			1
5-10	R220041-812E1A	ENCLOSURE (COLUMN)			1
5-11	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	7
5-12	3111200300	NUT HEX.	M5 ZN	DIN EN 24035	4
5-13	R220041-804D2	COVERING SHEET			1
5-14	R220041-801E2	LOWER GUIDE		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1
5-15	R220041-814E2	LOWER R.H.GUIDE		· · · · · · · · · · · · · · · · · · ·	1
5-16	R220041-810D1A	ENCLOSURE II			1
5-17	R220041-802E2	CENTRE GUIDE			2
5-18	R220041-809D1A	ENCLOSURE I		***************************************	1
	R220041-803E2	UPPER GUIDE			1
	R220041-816E2	UPPER R.H.GUIDE			1
	3092511090	FHMS SLOTTED	M5X25 ZN		12
	R220041-811E1	COVER (HEADSTOCK)	THO/COLIT		1
	R220041-701D2	LOWER TRIP DOG			1
	R220041-702D1B	UPPER TRIP DOG			1
	3112100180	WASHER	*6.4 ZN	ISO 7089	4
	3095430350	SHCS	M6X16 ZN	DIN 912-8.8	4
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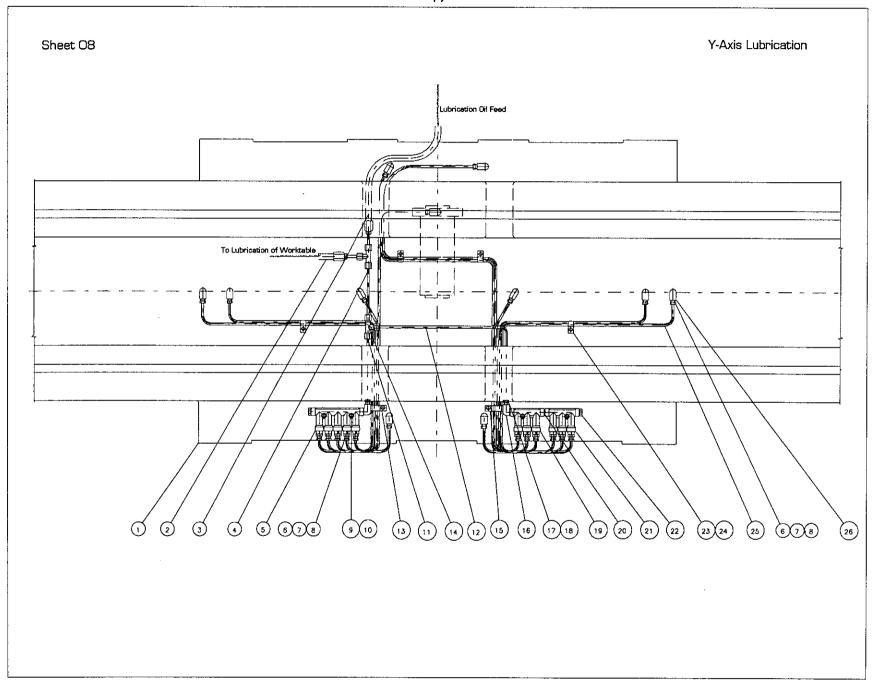
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Üty
6-1	3095850330	SHCS	M16X60 ZN	DIN 912-12.9	8
6-3	3115151910	TAPER PIN	*10X50	ISO 8736-B	4
6-4	3095850083	SHCS	M6X25 ZN	DIN 912-12.9	8
6-5	3095850055	SHCS	M5X16 ZN	DIN 912-12.9	6
<del>5</del> -6	3095850082	SHCS	M6X20 ZN	DIN 912-12.9	12
	3095850125	SHCS	M8X30 ZN	DIN 912-12.9	8
***************************************	R220041-R16_1P1	FEED COUPLING	*35/*24		1
6-9	R220281-568E1	RING	<u> </u>		1
6-10	R220241-2818E1	RING			2
6-11	R220241-2817E1	SLOTTED NUT			5
6-12	3240010020	BEARING	ZKLN3062-2RS	INA	2
6-13	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	4
<del>6</del> -14	3112140420	LOCK WASHER	*12 ZN	DIN 7980	4
6-15	R220041-601B3B	MOTOR FLANGE			1
6-16	R220281-3551B1	BALL SCREW LENGTH 1516		<u> </u>	1
	R220241-2822E3	LABYRINTH RING			1
	R220281-579E1	FLANGE 84X18			1
	R220041-595D1	BEARING HOUSING			1
$\overline{}$	R220041-596E4	MATCHING SHIM			1
	R220041-571B4B	HOUSING CASTING			1
	5129510034	MOTOR			1
	R220041-590E4	DISH			4
	R220041-591E4	RUBBER STOP	1		4
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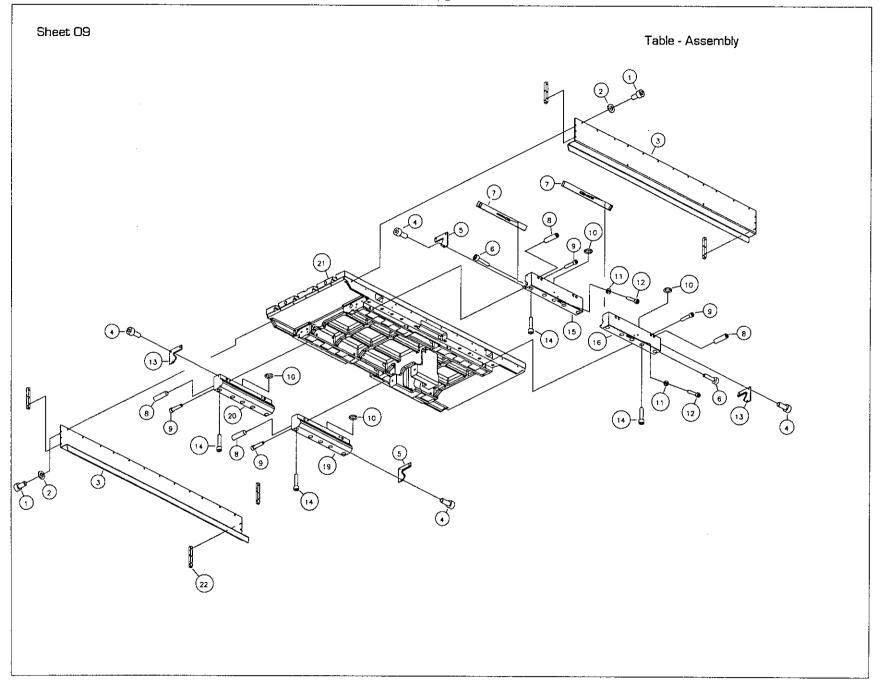
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7-1	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	50
7-2	R220041-2519C3A	PLATE			
7-3	R220041-2535E2	WIPER, RIGHT			5
7-5	R220041-2531E3A	WIPER (RIGHT)			2
7-6	R220041-2532E3A	WIPER (LEFT)		`	2
7-7	R220041-2542C5	EXTENSION 2			5
7-8	3095430720	SHCS	M8X25 ZN	DIN 912-8.8	16
7-9	3092030610	HHCS	M6X8 ZN	DIN 933	8
	3112100180	WASHER	*6.4 ZN	ISO 7089	8
7-11	R220041-2545C5	COVER (LEFT)			2
7-12	3112100150	WASHER	*5.3 ZN	ISO 7089	4
	3092030280	HHCS	M5x8 ZN	DIN 933	4
	R220041-2546C5	COVER (RIGHT)			2
	R220041-2541C5	EXTENSION 1		···········	2
	R220041-2534E2	WIPER, LEFT			2
7-17	R220041-R2501A6	CROSS SADDLE			1 1
7-18	2731110080	0-RING	*6.07x1.78 NBR70	AS568A	2
	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	12
7-21	R220041-2511C4A	GB		<del></del>	2
7-22	3092311100	BHMS, SLOTTED	M4x25 ZN	DIN 84	16
7-23	3112140120	LOCK WASHER, SPRING	*4 ZN	DIN 7980	16
7-24	3245910140	ROLLER PACK	WP26102		4
7-25	R220281-2523E1	SHIM			2
7-28	R220241-4039E1	SUPPORT PLATE			4
	3095430320	SHCS	M6x14 ZN	DIN 912-8.8	8
7-30	R220281-2522E1	MATCHING SHIM			2
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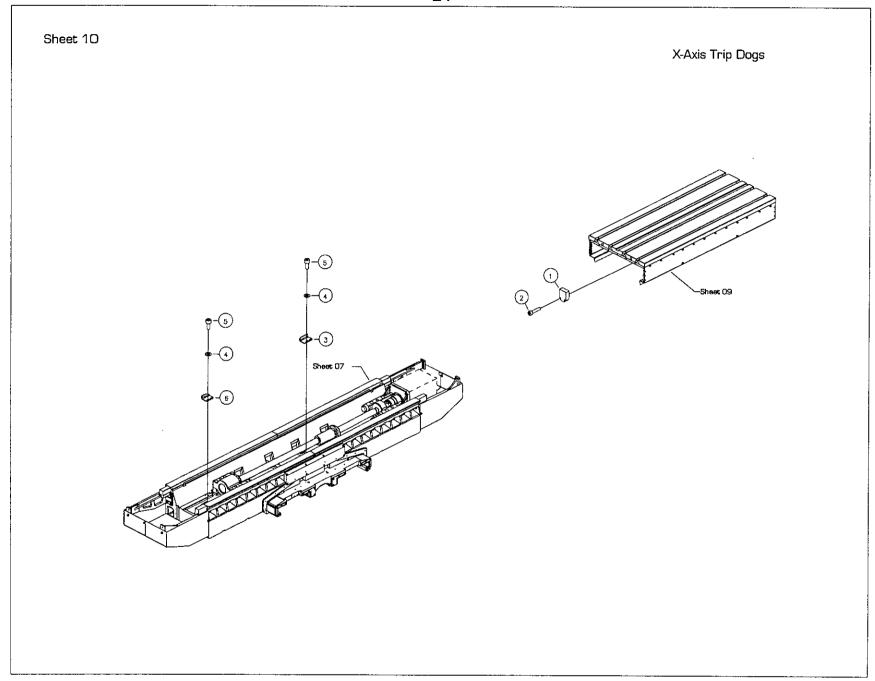
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
7-1	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	50
7-2	R220041-2519C3A	PLATE		B.14.5.1E-0.5	2
7-3	R220041-2535E2	WIPER, RIGHT			5
7-5	R220041-2531E3A	WIPER (RIGHT)			2
7-6	R220041-2532E3A	WIPER (LEFT)			2
7-7	R220041-2542C5	EXTENSION 2			5
7-8	3095430720	SHCS	M8X25 ZN	DIN 912-8.8	16
7-9	3092030610	HHCS	M6X8 ZN	DIN 933	8
7-10	3112100180	WASHER	*6.4 ZN	ISO 7089	8
7-11	R220041-2545C5	COVER (LEFT)			5
7-12	3112100150	WASHER	*5.3 ZN	ISO 7089	4
7-13	3092030280	HHCS	M5x8 ZN	DIN 933	4
7-14	R220041-2546C5	COVER (RIGHT)			2
7-15	R220041-2541C5	EXTENSION 1			5
7-16	R220041-2534E2	WIPER, LEFT			5
7-17	R220041-R2501A6	CROSS SADDLE			1
7-18	2731110080	O-RING	*6.07x1.78 NBR70	AS568A	2
7-20	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	12
7-21	R220041-2511C4A	GIB			2
7-22	3095850048	SHCS	M4x25 ZN	DIN 912-8.8	16
7-23	3112140120	LOCK WASHER, SPRING	*4 ZN	DIN 7980	16
7-24	3245910140	ROLLER PACK	WP26102	51147333	4
7-25	R220281-2523E1	SHIM			2
7-28	R220241-4039E1	SUPPORT PLATE			4
7-29	3095430320	SHCS	M6x14 ZN	DIN 912-8.8	8
7-30	R220281-2522E1	MATCHING SHIM		15.1.0.1.2.0.0	2
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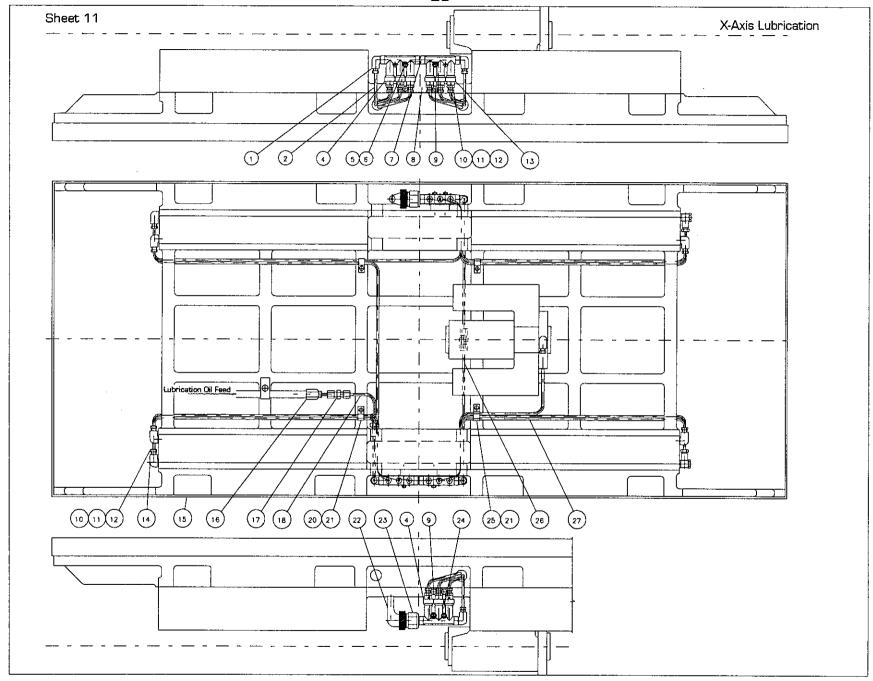
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
8-1	R220041-R2501A6	CROSS SADDLE			1
8-2	R220041-3777D3	HOSE			1
8-3	R220041-2781D3	HOSE			1
8-4	R220041-2671D2	TUBE			1
8-5	4252210550	LUBRICATING ELEMENT	5X		1
8-6	4256700040	NIPPLE	*4		55
8-7	3194000120	PACKING RING	*4		55
8-8	3194000130	SCREW	*4		55
8-9	3095850047	SHCS	M4X2O ZN	DIN 912-12.9	4
8-10	3112100120	WASHER	*4.3	ISO 7089	4
8-11	R220041-2672D2	TUBE			1
8-12	R220041-2673D2	TUBE			1
8-13	R220041-674E1	CLIP			1
8-14	3194890485	T JOINT	JS3		2
8-15	R220041-2675E1	CLIP			1
8-16	3194610572	CONNECTION	*4		2
8-19	4252210510	LUBRICATING ELEMENT	ЗХ		1
8-20	4256700030	NIPPLE	M10X1		1
8-21	4252210540	LUBRICATING ELEMENT	3X		1
8-22	4256300140	PLUG	M1OX1		2
8-23	3117490190	CLAMP 4 PJD			4
8-24	3095430004	SHCS	M4X6 ZN	DIN 912-8.8	6
8-25	2833000060	HOSE	4X0.85	WWN716-R0	6.8M
8-26	3194610571	CONNECTION L	*4		11
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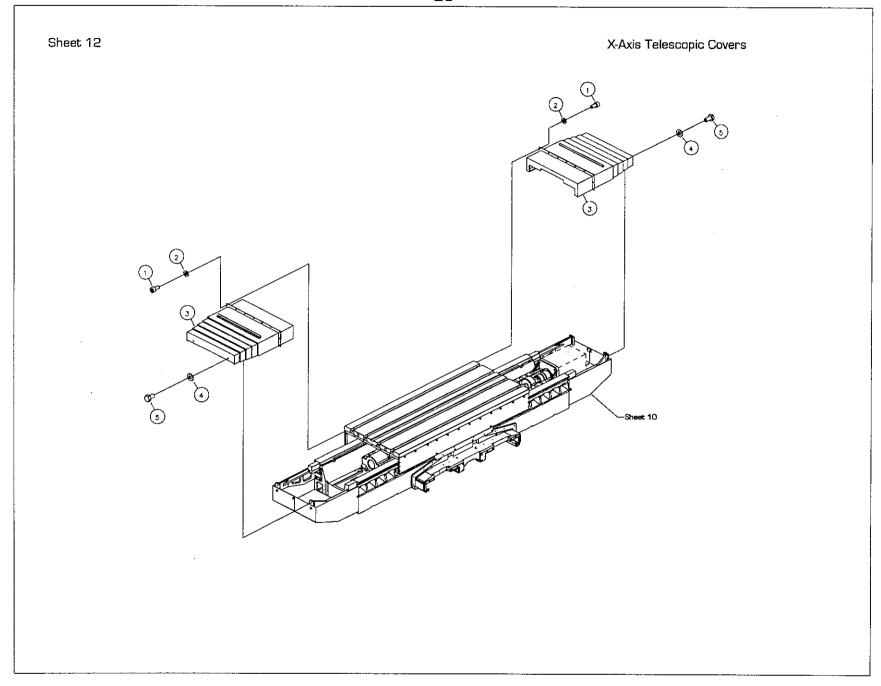
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
9-1	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	36
9-2	3112100150	WASHER	*5.3 ZN	ISO 7089	40
9-3	R220041-3531B6A	SIDE COVER			2
9-4	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	12
9-5	R220041-3522E1	R.H.WIPING PLATE			2
9-6	R220221-8526E1	SCREW			2
9-7	R220041-351505	KEY			5
9-8	3115151840	TAPER PIN	*10X40	DIN EN 28736	8
9-9	3095850085	SHCS	M6X30 ZN	DIN 912-12.9	8
9-10	2731110080	O-RING	*6.07 X1.78 NBR70	AS568A	4
9-11	3112100180	WASHER	*6.4 ZN	ISO 7089	2
9-12	3095430470	SHCS	M6X35 ZN	DIN 912-8.8	2
9-13	R220041-3521E1	LJ. WIPING PLATE			2
9-14	3095850212	SHCS	M12X50	DIN 912-12.9	20
9-15	R220041-3509C2B	R.H.GIB			1
	R220041-3508C2B	LH.GB			1
	R220041-3506C2A	R.H.SHIM			1
	R220041-3505C2A	LH.SHIM			1
9-21	R220041-3501A6A	WORKTABLE	<b>—</b>	·	1
	R220041-3535E6A	STRIP			4
	3095430090	SHCS	M5x16	DIN 912-8.8	4
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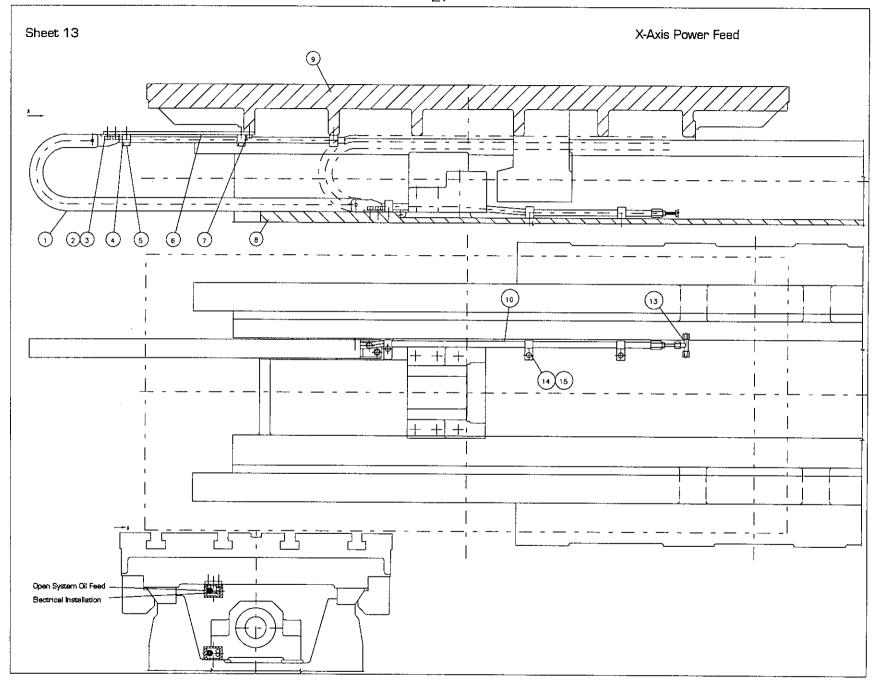
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
10-1	4051140195	SWITCH	İ	BNS 519-99FR-11	1
10-2	3095850048	SHCS	M4X25 ZN	DIN 912-12.9	-
10-3	R220041-3706E4	TRIP DOG			1 4
10-4	3112100150	WASHER	*5.3 ZN	ISO 7089	1 2
10-5	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	<del> </del>
10-6	R220041-3707E4	TRIP DOG		DII V O 12 0.0	1
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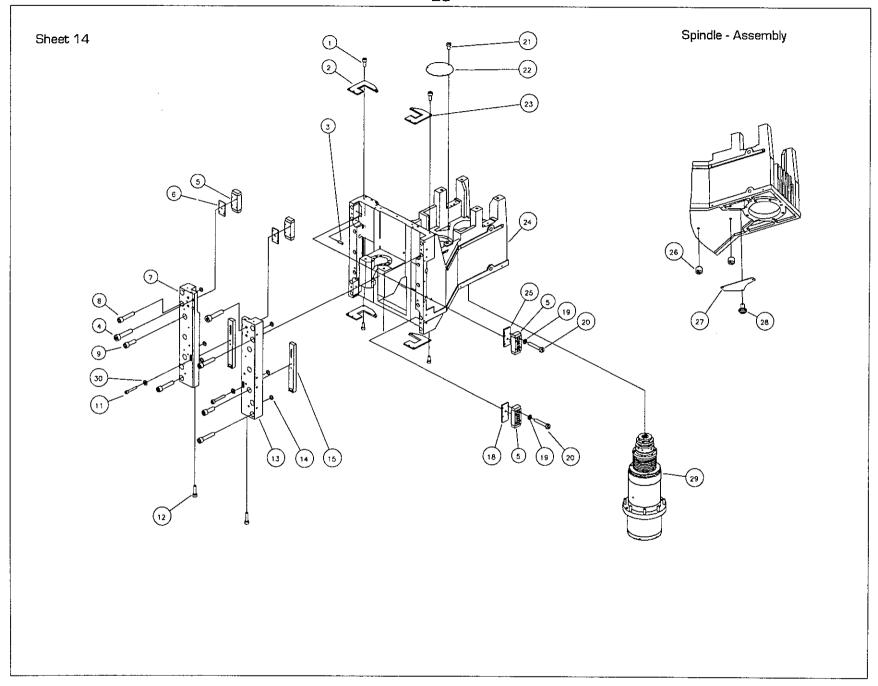
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Gty
11-1	3194610572	CONNECTION L	*4		3
11-2	3194000090	PACKING RING	*4		3
11-4	4252210560	LUBRICATING ELEMENT	зх		2
11-5	3095850047	SHCS	M4X20 ZN	DIN 912-12.9	4
11-6	3112100120	WASHER	*4.3	ISO 7089	4
11-7	4256700030	NIPPLE	M10X1		1
11-8	R220041-3657E2	HOLDER			1
11-9	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	4
11-10	4256700040	NIPPLE	*4		18
11-11	3194000120	PACKING RING	*4		18
11-12	3194000130	SCREW	*4		18
11-13	4252210570	LUBRICATING ELEMENT	ЗХ		1
	3194610571	CONNECTION	*4		9
		WORK TABLE			1
	R220041-3777D3	HOSE			1
	3194640170	SOCKET	SGS4LL(*4 M8x1)		3
	R220041-3672D3	TUBE	The second		1
	3117490190	CLAMP 4 PJD			3
	3095430004	SHCS	M4X6 ZN	DIN 912-8.8	4
	3745200020	CONNECTOR	M-7024	5114 5 12 - 0.0	1
	4252210500	SWITCH DS-E 25/S1			1
	R220041-3658E1	HOLDER	<u> </u>		1
	3117490200	CLAMP 4 PJT			1
	R220041-3673D3	TUBE			1
	2833000060	HOSE	4X0.85	WWN716-R0	5.6M
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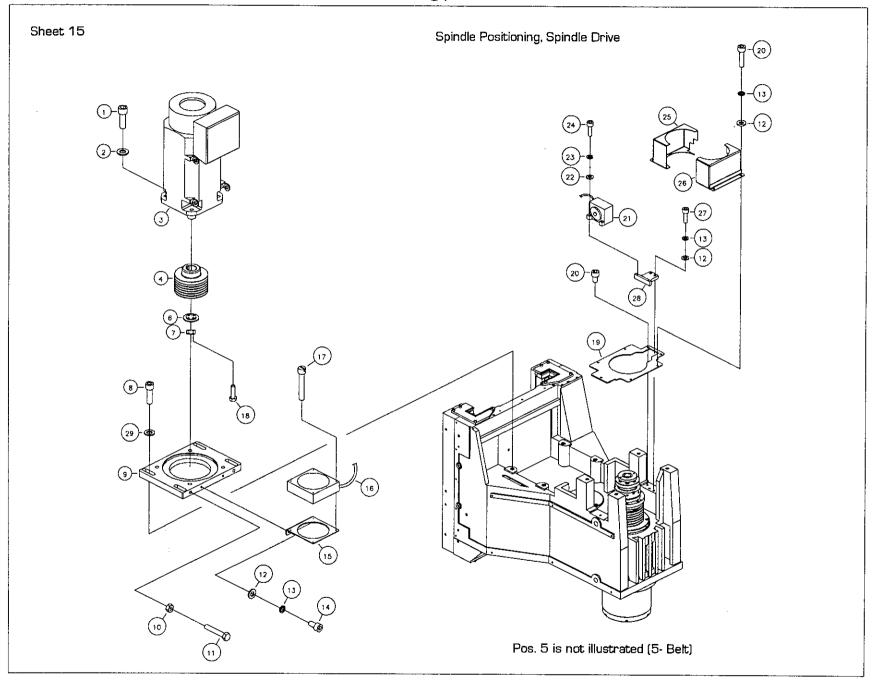
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
12-1	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	22
12-2	3112100150	WASHER	*5.3 ZN	ISO 7089	22 2 4 4
12-3	R220041-3801D2	TELESCOPIC COVER "X"			2
12-4	3112100180	WASHER	*6.4 ZN	ISO 7089	4
12-5	3092030670	HHCS	M6X12 ZN DL. ZAV	DIN 933	1 1
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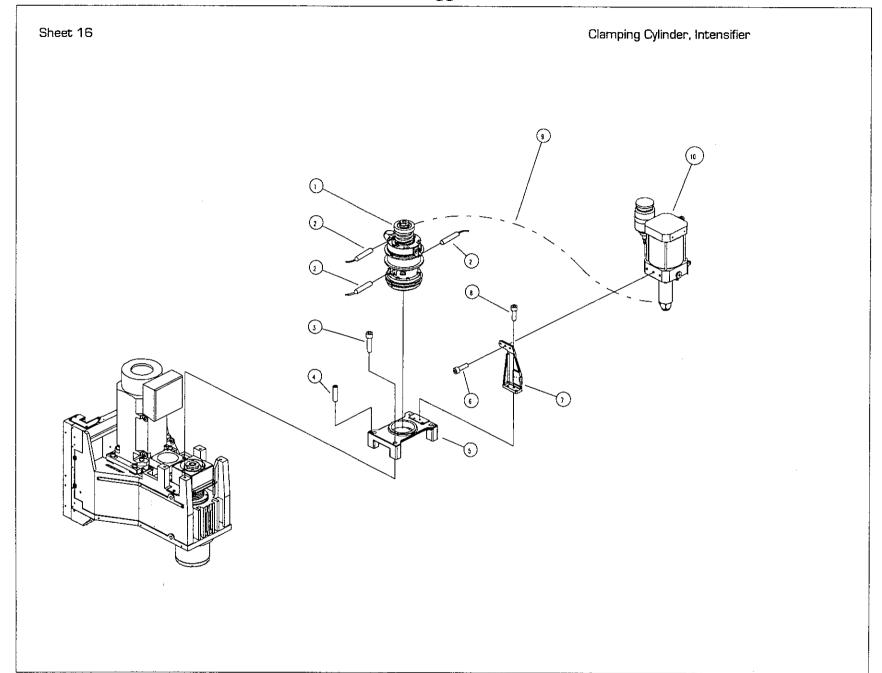
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Oty
	R220041-375701	POWER CARRIER			1
	3095430260	SHCS	M6X10 ZN	DIN 912-8.8	4
13-3	3112100180	WASHER	*6.4 ZN	ISO 7089	4
13-4	R220041-3761E2	CLAMP		ĺ	4
	3095430440	SHCS	M6X30 ZN	DIN 912-8.8	4
	R220041-3754E1B	BRACKET			1
		SHCS	M6X16 ZN	DIN 912-8.8	4
	R220041-R2501A6	CROSS SADDLE			1
13-9	R220041-R3501A6A	WORK TABLE			1
		HOSE			1
	3194890485	SOCKET	WALTERSCHEID		2
	3117400120	CLIP	20PMT		2
13-15	3095430260	SHCS	M6X10 ZN	DIN 912-8.8	2
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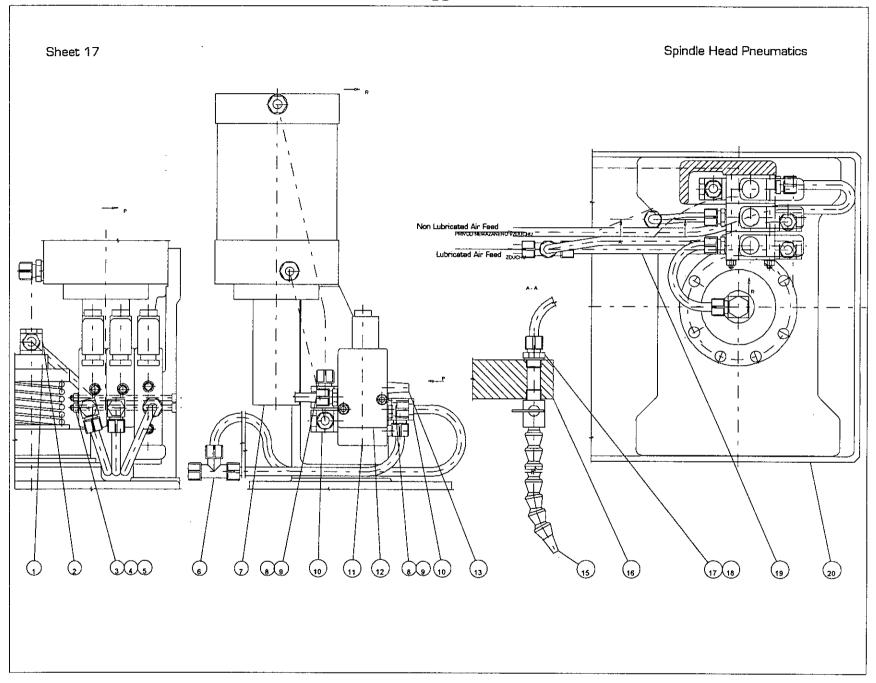
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
14-1	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	16
14-2	R220281-531E1	GUIDEWAYS WIPER			5
14-3	3115150680	CYLINDRICAL PIN	*5X16	ISO 2338-A	4
14-4	3095430440	SHCS	M6X30 ZN	DIN 912-8.8	8
14-5	3245910140	ROLLER PACK	VVP26102C		6
14-6	R220041-517E3	MATCHING PLATE			2
14-7	R220041-503B4	RIGHT GIBB			1
14-8	3095850350	SHCS	M16XBO ZN	DIN 912-12.9	8
14-9	3095850320	SHCS	M16X50 ZN	DIN 912-12.9	6
14-11	3095430470	SHCS	M6X35 ZN	DIN 912-8.8	2
14-12	R220221-8526E1	SCREW			5
14-13	R220041-502B4	LEFT GIB	· · · · · · · · · · · · · · · · · · ·		1
14-14	2731110080	0-RING	*6.07X1.78 NBR70	AS568A	6
14-15	R220271-2025C1	BOTTOM BEVELLED STRIP			5
	R220271-2009E1	PLATE	<del></del>		2
	3112140120	LOCK WASHER	*4 ZN	DIN 7980	16
	3095850048	SHCS	M4X25 ZN	DIN 912-12.9	16
	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	3
	R220041-541E1	ILID	WOXTO EX	517.5.12.0	1 1
	R220281-532E1	GUIDEWAYS WIPER			ż
	R220041-501A4B	SPINDLE HEAD	<del></del>		<del>                                     </del>
	R220271-2010E1	MATCHING PLATE	······		2
	3092810990	SSS, FLAT POINT	M10X10 ZN	······································	5
	R220041-544E1	UD	WHOKIOZK	_	1
	3092990020	BHCS, PHILIPS	M5X10 ZN	ECOFIX	3
	R220041-N1P5	HEADSTOCK ASSEMBLY	THO X TO ZIV	COOTIX	1
	3112100180	WASHER	*6.4 ZN	ISO 7089	2
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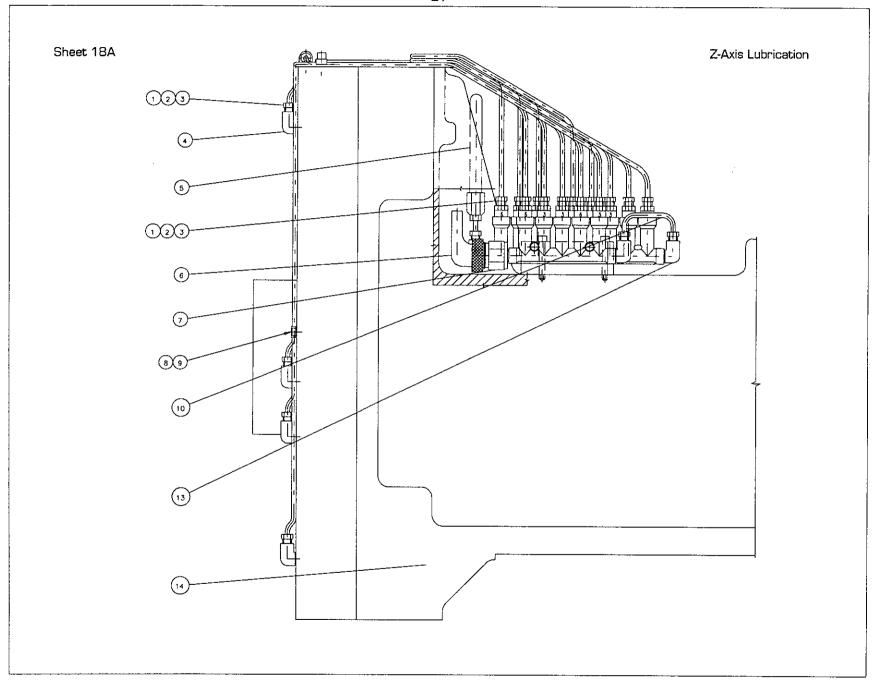
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
15-1	3095431620	SHCS	M12X35 ZN	DIN 912-8.8	4
15-2	3112100270	WASHER	*13 ZN	ISO 7089	4
15-3	5129510029	MOTOR	MFL7.5/5.5R-15T		1
15-4	R220041-1160D2	PULLEY (MOTOR)			1
15-5	2727820108	V BELT	2X3/7 M1030MTQ	GATES	1
	R220041-1161E1	LID			1
15-7	R220041-1162E1	REST			1
15-8	3095850212	SHCS	M12x50 ZN	DIN 912-12.9	4
15-9	R220041-1151C1	MOTOR FLANGE			1
15-10	3111200620	HEX NUT	M10 ZN	DIN EN 24032	5
	3092031880	HHCS	M10X60 ZN DL ZAV.	ISO 4017	2
15-12	3112100180	WASHER	*6.4 ZN	ISO 7089	8
15-13	3112140240	LOCK WASHER	*6 ZN	DIN 7980	8
	3095430290	SHCS	M6X12 ZN	DIN 912-8.8	5
	R220041-1168D1A	HOLDER			1
	4291320140	COOLING FAN	NMB#DC4710NL	05W B50 AD0	1
	3092311220	HHCS	M4X45 ZN	DIN 84	4
	3092030370	HHCS	M5X16 ZN DL. ZAV.	ISO 4017	4
	R220041-1101C2B	PLATE		1.50 -10 17	1
	3095430260	SHCS	M6X10 ZN	DIN 912-8.8	7
	5129510032	MAGNETIC ENCODER	WIOX TO ZIT	B. ( G ) C G. G	1
	3112100150	WASHER	*5,3 ZN	ISO 7089	2
	3112140180	LOCK WASHER	*5 ZN	DIN 7980	5
	3095430090	SHCS	M5X16 ZN	DIN 912-8.8	2
	R220041-1116B1C	REAR COVER OF ENCODER	MOX10 ZIV	DIV 3 12-0.0	1
	R220041-1117B1C	FRONT COVER OF ENCODER		*	1
	3095430380	SHCS	M6X20 ZN	DIN 912-8.8	2
	R220041-1104E1	ENCODER HOLDER	77.07.20 2.14	DIT 5 12-0.0	1
	R220041-1154E2	WASHER	+		4
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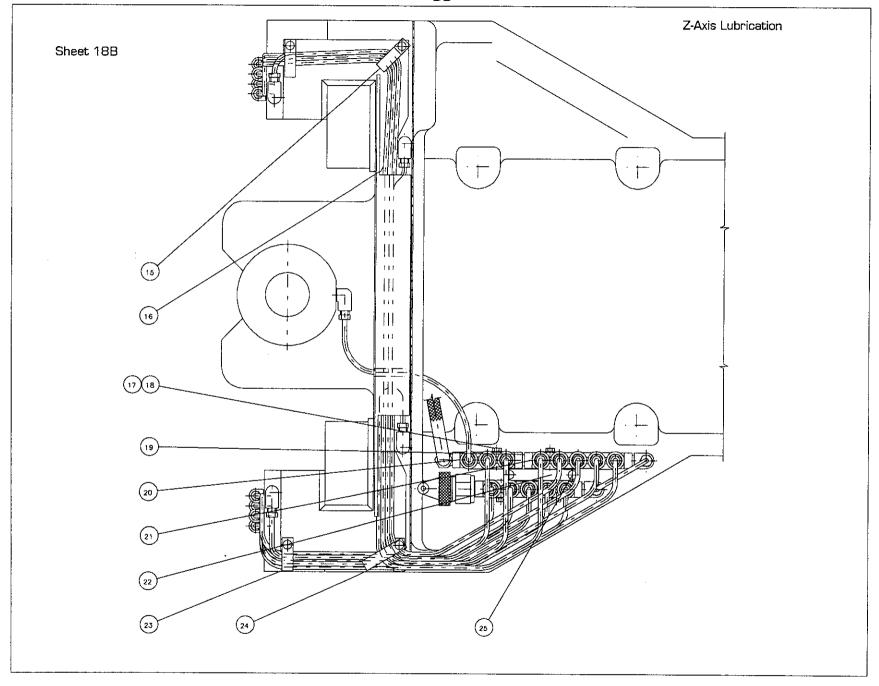
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Gty
	R220041-N3P3	CLAMPING CYLINDER			1
16-2	4051140153	PROXIMITY SWITCH	BES 51634354C	BALLUFF	3
16-3	3095850191	SHCS	M10X40 ZN	DIN 912-12.9	4
	3115151840	TAPER PIN, INTER THREAD	*10x40	DIN EN 28736	2
16-5	R220041-1001B3	HYDRAULIC CYLINDER CARRIER			1 1
16-6	3095850115	SHCS	M8X16 ZN	DIN 912-12.9	3
	R220041-1047C3	INTENSIFIER BRACKET			1 1
	3095850123	SHCS	M8X25 ZN	DIN 912-12.9	3
	3366350130	HIGH-PRESSURE HOSE HVT	8X400 M16X1.5	TPF 01-8573-7	1
	R220281-R3.14P1	INTENSIFIER			<del>                                     </del>
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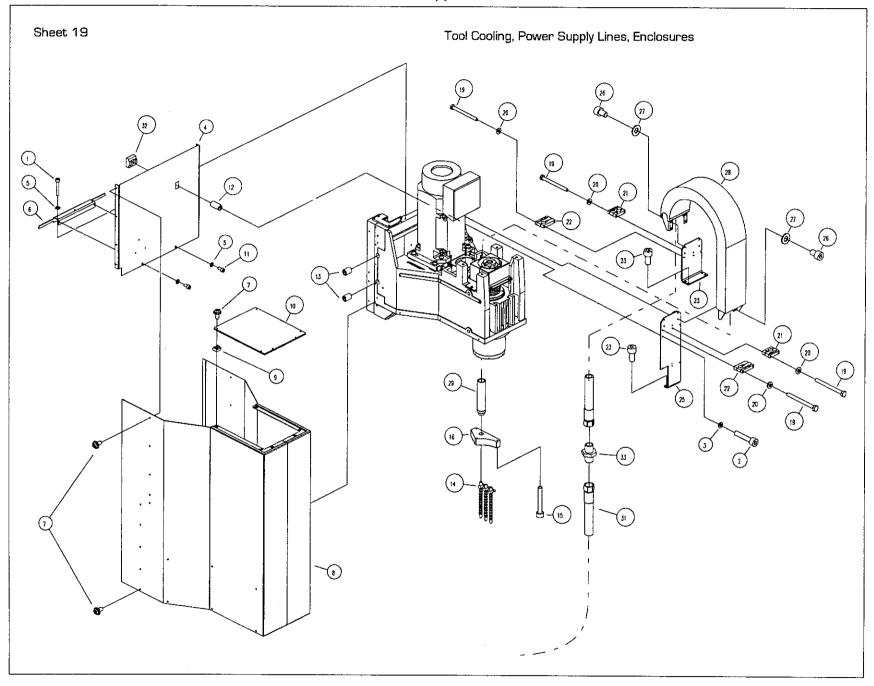
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
17-1	R220261-2465E9	THREADED BUSH			1
17-2	3194890120	PNEUM. L FITTING	G 1/4		1
	3095430235	SHCS	M5X90 ZN	DIN912-8.8	2
17-4	3112100150	WASHER	*5.3 ZN	ISO 7089	5
17-5	3111200290	NUT	M5 ZN	DIN EN 24032	2
17-6	3194890110	T-PIPE FITTING	8X1-8X1		1
17-7	R220281-R3.14P1	INTENSIFIER			1
	3194890030	PNEUM. SOCKET	JS6		2
17-9	3194190120	0-RING	*10X14	DIN 7603	3
17-10	3194890125	PNEUM. L FITTING	G 1/8		4
17-11	3372570090	PNEUM, MANIFOLD	5777050220		1
17-12	3372570080	PNEUM. MANIFOLD	5772550220	7	2
17-13	3376210030	NOISE SUPPRESSOR	1/8		4
17-15	R220041-1554E1	LINK HOSE	1/4		1
	R220041-1451D2	MANIFOLD		<del>-                                     </del>	1
	3194890020	PNEUM SOCKET	8938009450		1
	3194190170	O-RING	*13X17	DIN 7603	1
	3376820040	HOSE	*8X1	REXROTH	7.5M
	R220041-R501A4A	SPINDLE HEAD	0,(1	I DONOTTI	7.51
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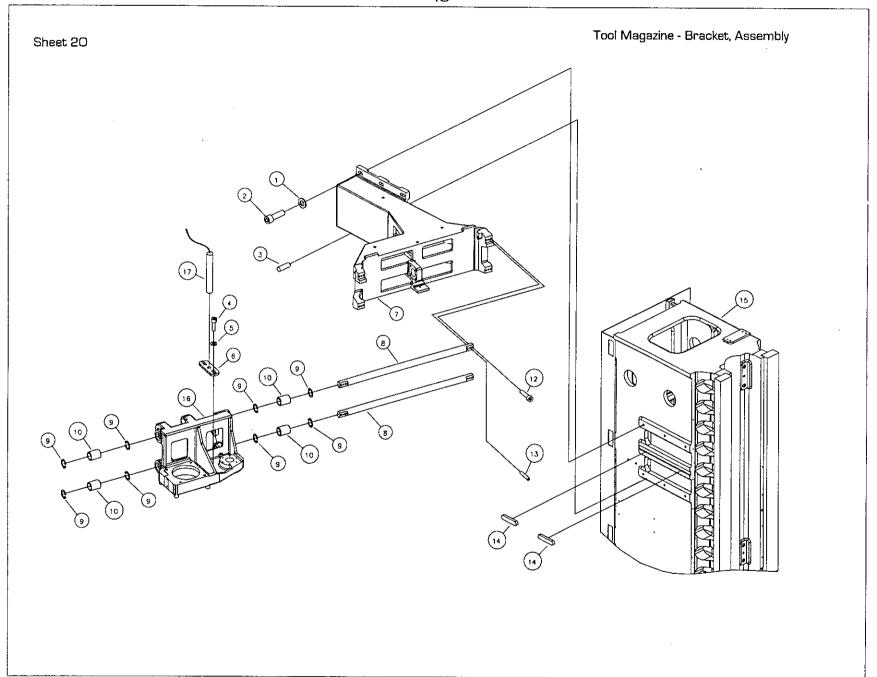
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
18-1	4256700040	NIPPLE	*4		26
18-2	3194000120	PACKING RING	*4		56
18-3	3194000130	SCREW	*4		26
18-4	3194610571	CONNECTION	*4		13
18-5	R220041-777D4	HOSE			1
18-6	3745200020	CONNECTOR			1
18-7	4252210500	SWITCH DS-E 25/S1			1
18-8	3117490200	CLAMP	4 PJT		2
18-9	3092310890	BHMS	M4X6 ZN	DIN 84	2
	R220041-671D2	PIPE			1
18-13	3194610572	CONNECTION L	*4		3
18-14	R220041-R501A4A	SPINDLE HEAD			1
	3117490280	CLAMP	8 PJD		1
18-16	2833000060	HOSE WVN716-RO	4X0.85		10.5M
	3095850047	SHCS	M4X20 ZN	DIN 912-12.9	4
	3112100120	WASHER	*4.3	ISO 7089	4
	4256700030	NIPPLE	M10X1		1
	4252210520	LUBRICATING ELEMENT		· · · · · · · · · · · · · · · · · · ·	1
	4252210530	LUBRICATING ELEMENT			2
	R220041-657E1B	HOLDER			1
	R220041-673E1A	CLIP			3
	3117490290	CLAMP	8 PJT	-	1
	3095430210	SHCS	M5X40 ZN	DIN912-8.8	2
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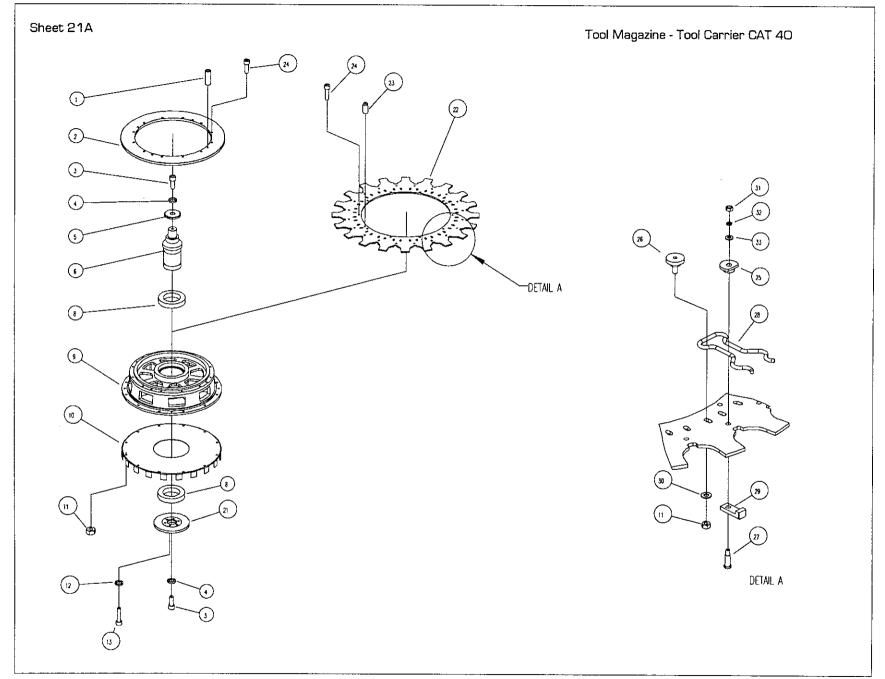
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
	4256700040	NIPPLE	*4		26
18-2	3194000120	PACKING RING	*4		26
18-3	3194000130	SCREW	*4		26
	3194610571	CONNECTION	*4	·	13
	R220041-777D4	HOSE			1
	3745200020	CONNECTOR			1
	4252210500	SWITCH DS-E 25/S1			1
	3117490200	CLAMP	4 PJT		2
18-9	3092310890	BHMS	M4X6 ZN	DIN 84	2
	R220041-671D2	PIPE			1
	3194610572	CONNECTION L	*4		3
18-14	R220041-R501A4A	SPINDLE HEAD			1
	3117490280	CLAMP	8 PJD		1
	2833000060	HOSE WVN716-RO	4X0.85		10.5M
18-17	3095850047	SHCS	M4X20 ZN	DIN 912-12.9	4
	3112100120	WASHER	*4.3	ISO 7089	4
18-19	4256700030	NIPPLE	M10X1		1
18-20	4252210520	LUBRICATING ELEMENT			1
18-21	4252210530	LUBRICATING ELEMENT			2
18-22	R220041-657E1B	HOLDER			1
18-23	R220041-673E1A	CLIP			3
18-24	3117490290	CLAMP	8 PJT		1
18-25	3095430210	SHCS	M5X40 ZN	DIN912-8.8	2
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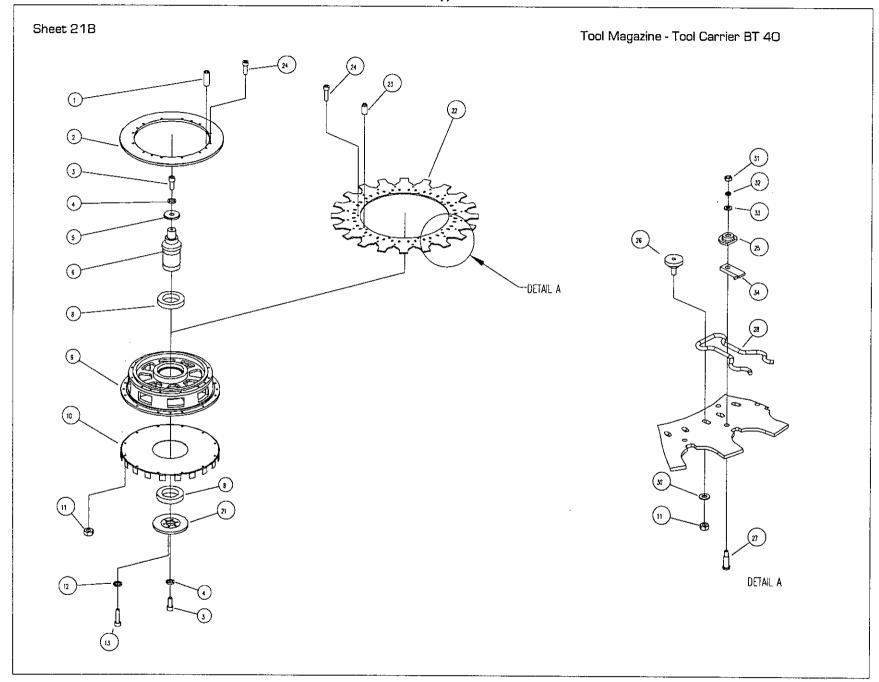
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Gty
19-1	3095430195	SHCS	M5X35 ZN	DIN 912-8.8	3
19-2	3095850087	SHCS	M6X40 ZN	DIN 912-8.8	1
19-3	3112100180	WASHER	*6.4 ZN	ISO 7089	1
19-4	R220041-1711C3	REAR COVER			1
19-5	3112100150	WASHER	*5.3 ZN	ISO 7089	5
19-6	R220041-1713D1A	REAR COVER HOLDER			1
19-7	3092990020	BHCS, PHILIPS	M5X10		38
19-8	R220041-1701A2	COVER			1
19-9	4411520050	HEX NUT, MOUNTING	M5	ASSOTRA	6
19-10	R220041-1703E2	UD			1
19-11	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	2
19-12	R220041-1715E1	TUBE			1
19-13	309787340	SHCS	M2OX30 CE	DIN 913	4
19-14	R220041-1454E1	LINK HOSE			3
19-15	3095430195	SHCS	M5x35 ZN	DIN 912-8.8	3
19-16	R220041-1451D2	MANIFOLD			1
19-19	3095430570	SHCS	M6x6O ZN	DIN 912-8.8	12
19-20	3112100180	WASHER	*6.4 ZN	ISO 7089	12
19-21	R220041-761E1	HOSE CLIP			3
	R220041-762E1	ELECTRIC CABLE CLIP		······	3
	3095430660	SHCS	M8X16 ZN	DIN 912-8.8	7
19-24	R220041-751C2	BRACKET			1
	R220041-754C5	BRACKET			1
	3095430600	SHCS	MBX12 ZN	DIN 912-8,8	8
	3112100210	WASHER	*8.4 ZN	ISO 7089	8
	R220041-757B1	POWER TRACK CARRIER			1
	3366310230	HOSE	JS20		1
	3366300240	HOSE	*19/26		1
	4411520060	HEX NUT, MOUNTING	M6 ZN		1
	3194640145	CONNECTING SLEEVE PRIMA	11.5.1.1		1
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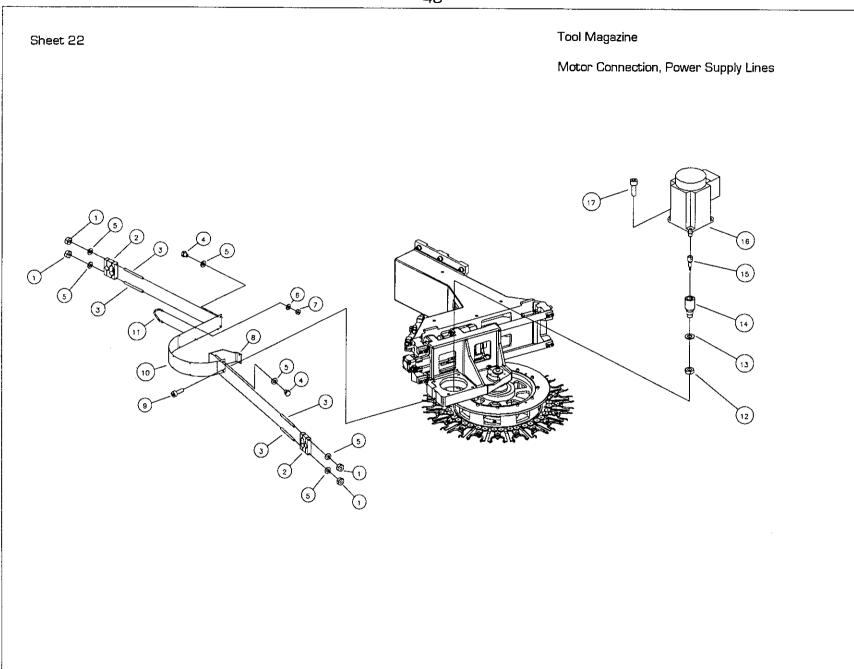
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Gty
	R220041-4503E3	WASHER			6
50-5	3095850209	SHCS	M12X40 ZN	DIN 912-12.9	6
20-3	3115151400	TAPER PIN	*8X35	ISO 3736-B	1
20-4	3095430060	SHCS	M5X12 ZN	DIN 912-8.8	2
20-5	3112100150	WASHER	*5.3 ZN	ISO 7089	2
	R220041-4534E2A	HOLDER			1
20-7	R220041-4501A5A	L.H.BRACKET			1
	R220041-4516D1	GUIDE ROD	····		2
	3117330420	RETAINING RING,INTERNAL M40	*40	DIN 472	8
20-10	3240010010	BEARING	KH3050PP	INA	4
	3095850127	SHCS	M8X35 ZN	DIN 912-12.9	8
	3115151040	TAPER PIN	*6X35	DIN EN 28736	4
	3117261340	KEY	20H9X12X100	DIN 6885	2
	R220041-101A5D	COLUMN	EGNOXIEXTOS	IDIN 0000	1
	R220041-4507B4A	LEFT BODY			1
	4051140153	PROXIMITY SWITCH	BES5161343S4C	BALLUFF	1
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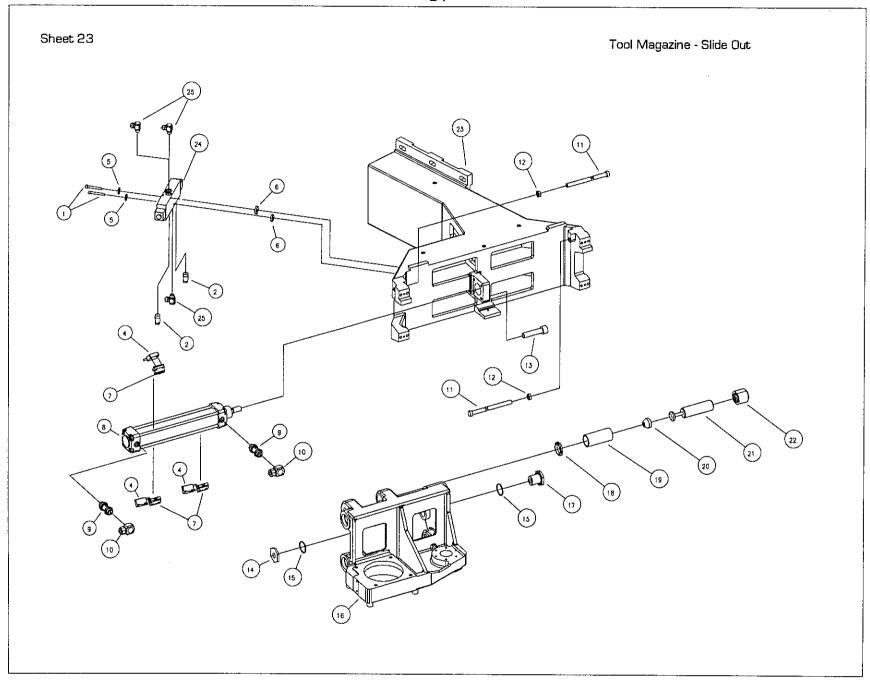
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
21-1	3115151320	TAPER PIN	*8X26	DIN EN 28736	4
21-2	R220281-4618C1	GEAR WHEEL			1
	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	2
	3112140420	LOCK WASHER	*12 ZN	DIN 7980	2
21-5	3112170540	SHAFT END WASHER	*55		1
21-6	R220041-4602D2	MAIN SHAFT			1
	3241650710	BALL BEARING	6016-2RS		2
21-9	R220041-4601B3	TOOL CARRIER			1
21-10	R220041-4907C6	TOOL DESIGNATION DISC			1
21-11	3111200470	HEX. NUT	M8 ZN	DIN EN 24032	72
	3112140300	LOCK WASHER	*B ZN	DIN 7980	6
21-13	3095850123	SHCS	M8X25 ZN	DIN 912-12.9	6
	R220041-4605D2A	PLATE			1
21-22	R220041-4901B6	DISC			1
21-23	3115151291	PIN	*8X16	ISO 8752	4
	3095850123	SHCS	M8X25 ZN	DIN 912-12.9	24
21-25	R220281-4662E4	INSERT			1
21-26	R220281-4654E2	JOURNAL			5
21-27	3115190670	JOURNAL	*8x30x20		1
21-28	L220281-4656D2	SPRING (HOLDER)			1
21-29	R220041-4661E2A	CENTERING INSERT			1
21-30	3112100210	WASHER	*8.4 ZN	ISO 7089	3
21-31	3111200380	NUT	M6 ZN	DIN EN 24032	1
	3112140240	LOCK WASHER	*6	DIN 7980	1
21-33	3112100180	WASHER	*6.4	ISO 7089	1
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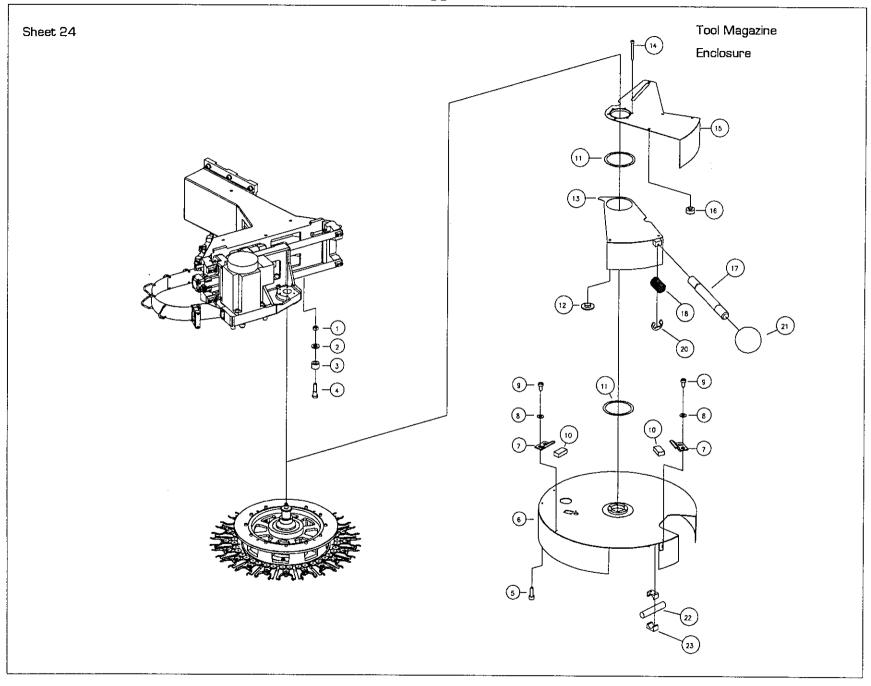
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
21-1	3115151320	TAPER PIN	*8X26	DIN EN 28736	4
21-2	R220281-4618C1	GEAR WHEEL			1
21-3	3095850202	SHCS	M12X35 ZN	DIN 912-12.9	5
21-4	3112140420	LOCK WASHER	*12 ZN	DIN 7980	2
	3112170540	SHAFT END WASHER	*55		1
21-6	R220041-4602D2	MAIN SHAFT			1
	3241650710	BALL BEARING	6016-2RS		2
	R220041-4601B3	TOOL CARRIER			1
	R220041-4907C6	TOOL DESIGNATION DISC	<b>†</b>	<u> </u>	1
21-11	3111200470	HEX. NUT	M8 ZN	DIN EN 24032	72
	3112140300	LOCK WASHER	*8 ZN	DIN 7980	6
	3095850123	SHCS	M8X25 ZN	DIN 912-12.9	6
21-21	R220041-4605D2A	PLATE		1	1
	R220041-4901B6	DISC			1
	3115151291	PIN	*8X16	ISO 8752	4
	3095850123	SHCS	M8X25 ZN	DIN 912-12.9	24
	R220281-4662E4	INSERT			1
	R220281-4654E2	JOURNAL			2
	3115190670	JOURNAL	*8x30x20	<del> </del>	1
	L220281-4656D2	SPRING (HOLDER)		<del> </del>	1
	3112100210	WASHER	*8.4 ZN	ISO 7089	3
	3111200380	NUT	M6 ZN	DIN EN 24032	1
	3112140240	LOCK WASHER	*6	DIN 7980	1
	3112100180	WASHER	*6.4	ISO 7089	1
	R220281-4661E4	CENTERING INSERT	1 0,4	130 7003	1
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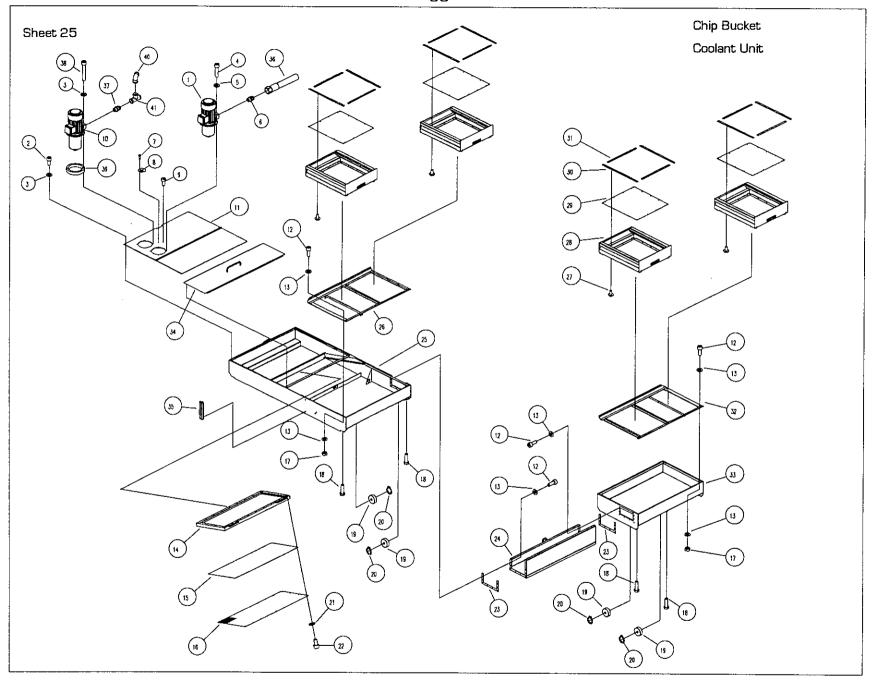
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
22-1	3111200380	HEX NUT	M6 ZN	DIN EN 24032	4
55-5	R220041-4811E2	CLAMP			2
22-3	3092760065	SHCS	M6X75	DIN 939	4
22-4	3092030610	HHCS, LONG THREAD	M6X8 ZN	ISO 4017	4
22-5	3112100180	WASHER	*6.4 ZN	ISO 7089	8
	3112100120	WASHER	*4.3 ZN	ISO 7089	10
	3111200230	HEX NUT	M4 ZN	DIN EN 24032	10
	R220041-4815D3	HOLDER			1
	3095850055	SHCS	M5X12 ZN	DIN 912-12.9	2
	R220041-4814D3	STRIP			1
	R220041-4821E2	CLAMP			5
	3111290020	SELF-LOCKING NUT	M8 ZN	DIN 985	1
	3112100210	WASHER	*8.4 ZN	ISO 7089	1
	R220041-4751D5	PINION			1
	R220041-4758E5	BUSH			1
	BL-MS45E-30TN-B	MOTOR			1
22-17	3095850171	SHCS	M10X30 ZN	DIN 912-12.9	4
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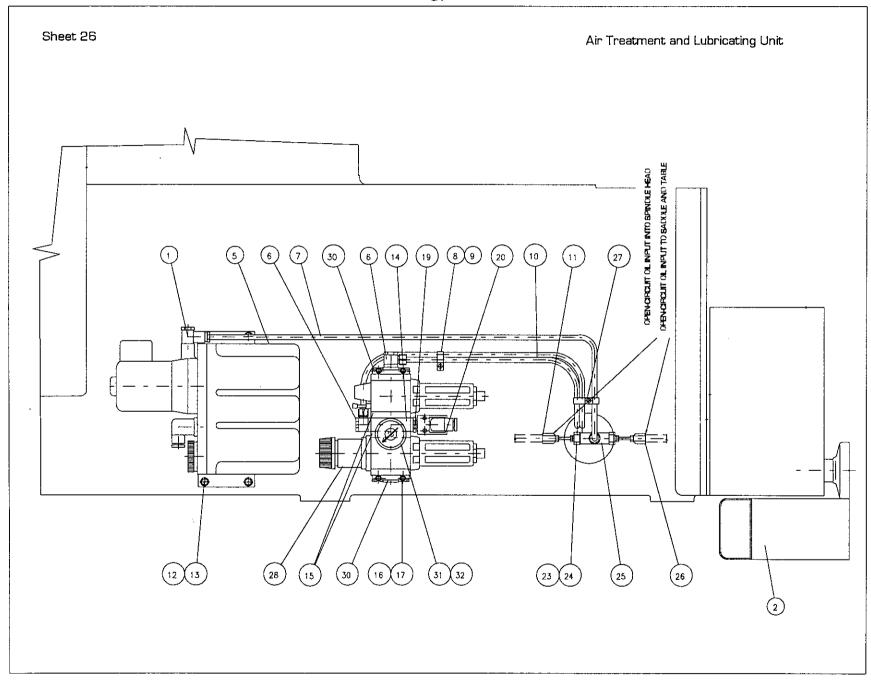
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
23-1	3095850063	SHCS	M5X45 ZN	DIN 912-12.9	2
23-2	3376530010	NOISE SUPPRESSOR	5324011110 R1/4	REXROTH	2
23-4	4058990050	ENCODER	8940411802	REXROTH	3
23-5	3112100150	WASHER	*5.3 ZN	ISO 7089	2
23-6	3112170120	SHAFT-END WASHER	*20 CE	ON 021770	2
23-7	3370320010	HOLDER	3220603502	REXROTH	3
23-8	3377320070	PNEUMATIC CYLINDER			7
23-9	3371890010	THROTTLE VALVE			2
23-10	3194890070	PIPE CONNECTION	8995502312 JS6R 1/4	REXROTH	2
23-11	R220041-4737E1A	SCREW -ADAPT.			5
23-12	3111200840	HEXNUT	M12 ZN	DIN EN 24035	5
23-13	3095850127	SHCS	MBX35 ZN	DIN 912-12.9	4
23-14	R220281-4712E1	NUT			1
23-15	2731111170	O-RING	*36X2		2
23-16	R220041-4507B4A	L.H.BODY			1
	R220281-4711E1	NUT		1	1
23-18	R220281-4733E1	NUT			1
23-19	R220281-4734E1B	SLEEVE			1
53-50	3360000100	POLYURETHANE CAP	PP1200	ACF	1
23-21	3367300040	HYDRAULIC DAMPER	MC1 202M-3	ACF	1
23-22	R220281-4735E1	CAP		1	1
23-23	R220041-4501A5A	L.H.BRACKET	1		1 1
23-24	3372570050	PNEUMATIC DIRECTIONAL VALVE	5577720220	REXIROTH	1
23-25	3194890120	SWIVEL FITTING, REXROTH	G 1/4 8939001550	REXROTH	3
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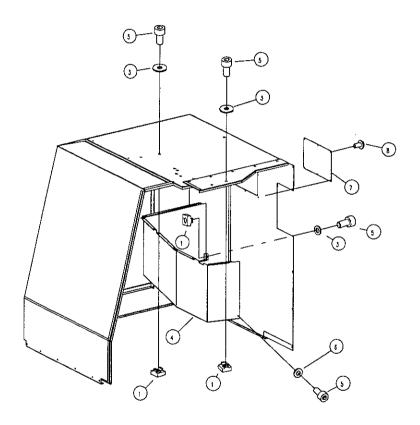
P/N	ZPS ORDER #	NAME:	DIMENSION	STANDARD	Qty
24-1	3111200380	NUT	M6 ZN	DIN EN 24032	1
24-2	3112100210	WASHER	*8.4 ZN	ISO 7089	1
24-3	R13226-711F1	BLOCK			1
24-4	R220281-4918E1A	JOURNAL			1
24-5	3095850055	SHCS	M5X16 ZN	DIN 912-12.9	3
	R220041-4911A4A	TOOL CARRIER COVER			1
	R220041-4932E3	CLIP			2
24-8	3112100120	WASHER	*4.3 ZN	ISO 7089	4
	3092310950	BHMS	M4X10 ZN	DIN 84	4
24-10	R220241-4931E2A	DEAD STOP			2
	R220041-4922E4	WASHER			2
24-12	R220041-4916E2	LENS			2
24-13	R220041-4921B4	DOOR			1
	3095850103	SHCS	M6X60 ZN	DIN 912-12.9	6
24-15	R220041-4914B4	SWIVELLING COVER			1 1
	R220041-4917E3A	LENS			4
	R220041-4924E4	PAWL	····		1 1
	L13223-392E2	COMPRESSSION SPRING -NOT HARDENED	*0.8*10x25 7Z		1
	3117320090	SNAP RING	*6 CE	ISO 2338-A	1
	3214610090	PLASTIC BALL	*25 MB CE	100 2000 A	1 1
	4051180130	OPTICAL SENSOR	S18SN6FF100Q		1
	3580500060	HOLDER	3SMB18S		1
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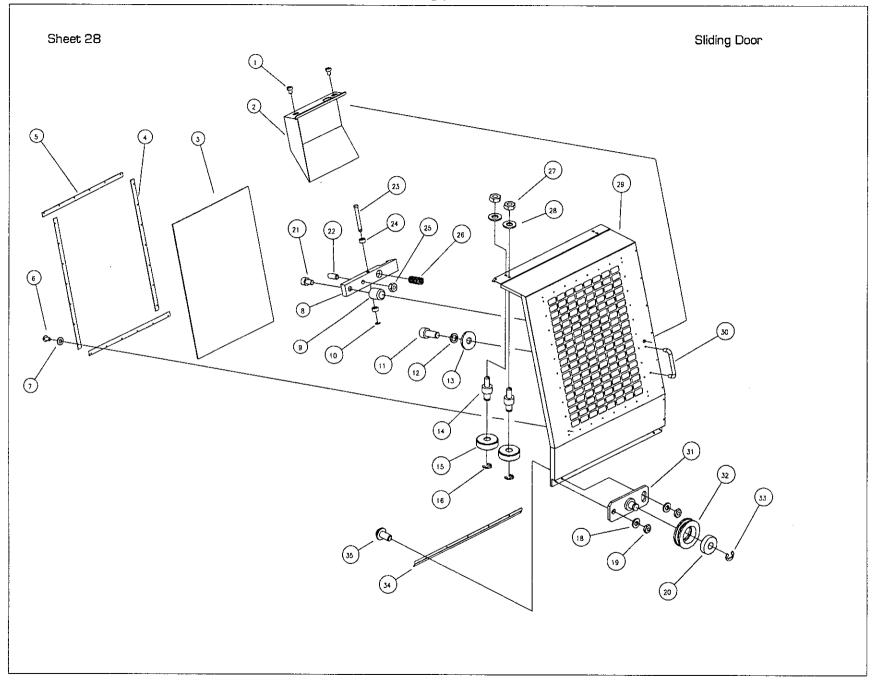
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
25-1	4262200104	PUMP			1
25-2	3095430290	SHCS	M6X12 ZN	DIN 912-8.8	4
25-3	3112100180	WASHER	*6.4 ZN	ISO 7089	8
25-4	3095430410	SHCS	M6X25 ZN	DIN 912-8.8	4
25-5	3112100180	WASHER	*6.4 ZN	ISO 7089	4
25-6	3194610297	SOCKET	GES22L/3/4NPT		1
25-7	3115190060	DRIVE SCREW	*2X6 ZN		2
25-8	5482300270	METAL PLATE	*32		1
25-9	3098310460	BHMS, SLOTTED	MBX16	DIN 84	1
25-10	4262200110	PUMP			1
25-11	R220041-7006C2	TOP COVER			1
25-12	3095430350	SHCS	M6X16 ZN	DIN 912-8.8	20
25-13	3112100180	WASHER	*6.4 ZN	ISO 7089	24
25-14	R220041-7011B1	SIEVE FRAME			1
	R220041-7013E1	STIFFENER	· · · · · · · · · · · · · · · · · · ·		1
	R220041-7012D1B	SIEVE			1
	3111200380	HEXNUT	M6 ZN	DIN EN 24032	4
	R220261-8077E5	SCREW - ADAPT.		D. T. L. T. L. TOOL	6
	R220235-12003E2	WHEEL			6
	3117320160	RETAINING RING, EXTERNAL	*9	<del></del>	6
	3112100150	WASHER	*5.3 ZN	ISO 7089	55
1	3095430030	SHCS	M5X10 ZN	DIN 912-8.8	55
	R220042-14D1	SEALING	IVIOXIOZIV	DIN 3 12-0.0	5
	R220042-R11B3A	CONNECTING TANK			1
	R220041-R7001A2A	TANK			1 1
	R220042-6A1A	LH.GUIDEWAY			1 1
	3092990020	BHCS, PHILIPS	M5X10	ECOFIX 5x10	72
	R220042-R31A2A	CHIP CONTAINER	IVIOXIO	ECOPIA SX TO	4
	R220042-32D2	SIEVE			4
	R220042-33E2	GIB			8
	R220042-34E2	GIB			8
	R220042-5A1A	R.H.GUIDEWAY			1 1
	R220042-181B	RHTANK			
	R220041-7005C1	COVER			1
	4251700070	WATER LEVEL	LVA1SA		1 1
	3366300240	HOSE	HANSAFLEX		1
	3194281580	HEX NIPPLE 3/4" (280)	TANSAFLEX		1
-	3095430510	SHCS	IN ACCURATE		1
	R220041-9155E1	SPACER	M6x45	DIN 912-8.8	4
					1
	3194281530 3194280720	ELBOW 3/4" (92)			1
25-41	3134280/20	TEE FITTING 3/4" (130)			1
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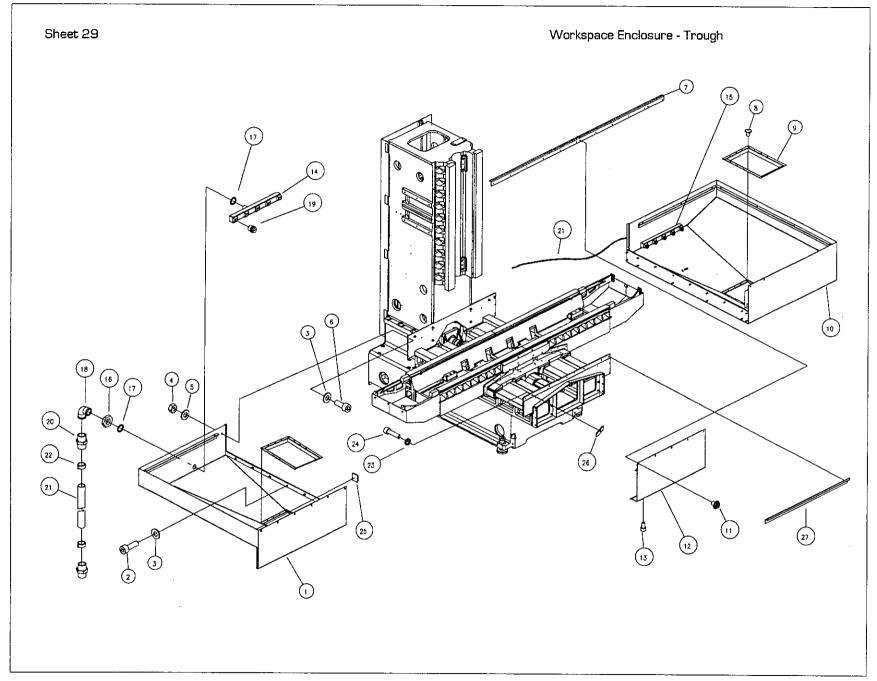
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
26-1	3194000160	Fitting	M14x1,5/M14x1,5		1 1
26-2	R220041-7330C1B	RESERVOIR			1
26-5	4252810060	Aggregate	MFE5/KW3		1
26-6	3194890121	Fitting	G3/8"		2
26-7	R220041-7307C3	Tube		· · · · · · · · · · · · · · · · · · ·	1
26-8	3117490290	Clip	8PJT	""	2
26-9	3092310890	BHMS, Slotted	M4x6 ZN	DIN 84	2
26-10	3376820040	Hose	*Bx1		13 M
	R220041-777D4	Hose			1
	3095430290	SHCS	M6x12 ZN	DIN 912-8.8	4
26-13	3112100180	WASHER	*6.4 ZN		4
	3370530015	Plate		······································	1
26-15	3379010025	Clamping Segment			1
	3092311000	BHMS, Slotted	M4x16 CE	DIN 84	4
	3112100120	Washer	*4,3	ISO 7089	4
	3194890460	Joint	1/4-3/8	100 / 000	1
	3376340010	Switch	177 9/3		1
	3194000110	Adapter	M14x1,5/M8x1		2
	3194190190	Ring	*14x18	DIN 7603	5
	3194000170	T Joint	M14x1,5	15/14 7 0 0 5	1
	R220041-2781D3	Hose	WTIAXTO	······································	1 1
	3117400080	Clip	10PMT		1
	3369100010	THROTTLE VALVE	C15 5MIKRON		1 1
	3369100020	AIR OILER	C15		<del></del>
	3369100030	FLANGE	C15 G3/8"		1
	3369100050	FITTING	C15 1/8"		-
	3369100060	PRESSURE GAUGE	*40 0/10		1
2002	3303100000	FRESSURE GAUGE	*40 0/ 10		
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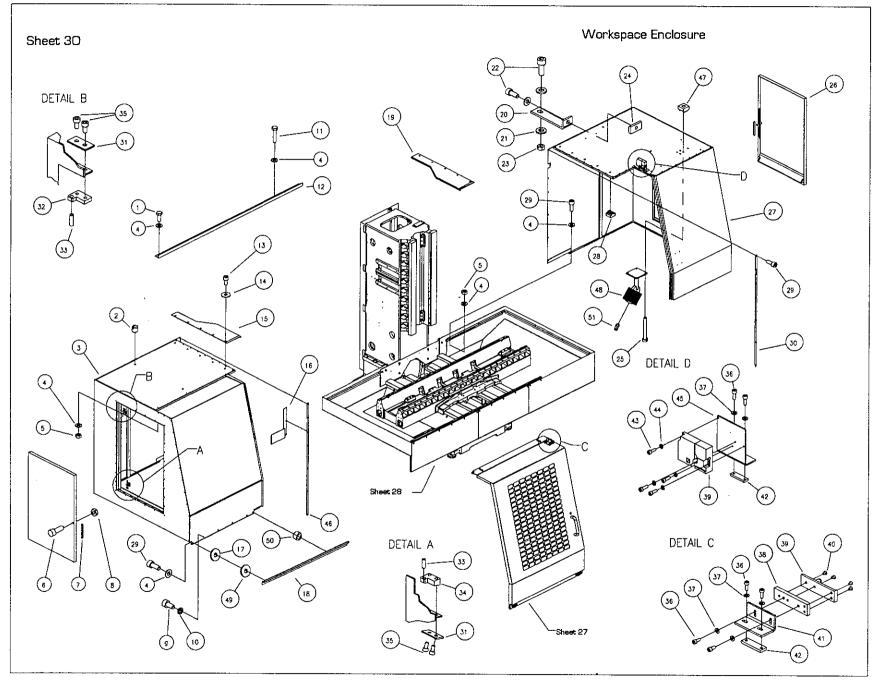
P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Gty
27-1	4411520060	SQ.NUT	M6	ASSOTRA	11
27-3	R220241-7019E15	WASHER			11
27-4		LH.COVER			1
27-5	3095430290	SHCS	M6X12 ZN	DIN 912-8.8	12
27-6	3112100180	WASHER	*6.4 ZN	ISO 7089	1
27-7	R220041-6559E2	COVER			1
27-8	3092990020	BHCS, PHILIPS	M5X10 ZN		6
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P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
28-1	3092310890	BHMS, SLOTTED	M4X6 ZN	DIN 84	2
58-5	R220041-6175C2A	COVER			1
28-3	R220041-6143E2	SAFETY GLASS			1
28-4	R220041-6145E1	GIB			5
28-5	R220041-6144E1	GIB			2
28-6	3092990060	SCREW	M4X8 ZN	ECOFIX	26
28-7	3112100150	WASHER	*5.3 ZN	ISO 7089	26
28-8	R220041-6165E1	LEVER			1
28-9	R220041-6169E1A	PUSHBUTTON			1
	3117320010	SNAP RING	*3.2 CE		1
28-11	3095430690	SHCS	M8X20 ZN	DIN 912-8.8	
	3112140300	LOCK WASHER	*8 ZN	DIN 7980	5
	R220041-6632E1	WASHER			5
	R220041-6160E2	JOURNAL			4
	R220041-6159E2	PULLEY		1	4
	3117320090	SNAP RING	*6 <b>C</b> E		4
	3112100180	WASHER	*6.4 ZN	ISO 7089	4
	3111200380	HEXNUT	M6 ZN	DIN EN 24035	4
	3241550100	BALL BEARING	609-RS	DATE TO CO	2
	3095430260	SHCS	M6X10 ZN	DIN 912-8.8	1
	3092810770	SSS, FLAT POINT	M6X16 ZN	D#4312-0.0	1
	R220041-6168E1	JOURNAL	WIDX 18 ZIV		1
	R220041-6166E1	BUSHING			2
	3111200380	HEX NUT	*6 ZN	DIN EN 24032	1
	L13223-314E2	COMPRESSION SPRING -NOTHARDENED	*1.25*9X20 7.75Z	DIVENZADOE	1 1
	3111200480	HEX. NUT	MB ZN	DIN EN 24035	4
	3112100210	WASHER	*8.4 ZN	ISO 7089	4
			- 6.4 ZIV	130 7069	1
	R220041-6141A4	SLIDING DOOR	M 049 (900		<del>                                     </del>
	5120000190	HAND RAIL	M. 243/200		
28-31	R220041-6153D2A	PULLEY CARRIER			5
	R220041-6151E2A	PULLEY			5
	3117320120	SNAP RING	*7 CE		5
	R220041-6306D5	CHUTE .			1 1
2835	3092990060	SCREW	M4X8 ZN	ECOFIX	5
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P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Qty
29-1	R220041-R6001A5A	L.H.TROUGH	1		1
29-2	3095430720	SHCS	M8X25 ZN	DIN 912-8.8	26
29-3	3112100210	WAHER	*8.4 ZN	ISO 7089	40
29-4	3111200470	HEX NUT	M8 ZN	DIN EN 24032	4
29-5	3112100210	WASHER	*8.4 ZN	ISO 7089	4
29-6	3095430690	SHCS	M8X2O	DIN 912-8.8	10
29-7	R220041-6011D2	FRONT STRIP			1
59-8	3092990010	BHCS, PHILIPS	M5X8 ZN	ECOFIX	22
29-9	R220041-6009B5	TROUGH INSERT			s
29-10	R220041-R6002A5A	R.H.TROUGH		<u> </u>	1
29-11	3092990070	SCREW	M6X10 ZN	ECOFIX	13
29-12	R220041-6003C1	COVER			1
	3092990020	BHCS, PHILIPS	M5X10	ECOFIX	5
	R220041-7101B1A	WASH-OUT MANIFOLD, LEFT			1
	R220041-7102B1A	WASH-OUT MANIFOLD, RIGHT	<del>-</del>	<u> </u>	1
	R220041-7103E1	NUT 3/4"			2
	2732220020	SEALING RING	<u> </u>		4
	3194281490	ELBOW 3/4"	<del>                                     </del>	<del> </del>	2
	R220041-7106E1	NOZZLE	<u> </u>	<del> </del>	10
1		FITTING	· ·		4
	2833680030	PVC HOSE		<u> </u>	4m
	5482410320	HOSE CLIP		<del></del>	4
	3112140240	LOCK WASHER	*6 ZN	DIN 7980	1
	3095430410	SHCS	M6x25 ZN	DIN 912-8.8	1
	R220041-6180E4	STOP	NOXES ZIV	DIN 5 12-0.0	1
	R220041-6313E4	PLATE	<del></del>	<del> </del>	<del></del>
29-27	R220041-6313E4	GUIDE STRIP	<del></del>	<del> </del>	
25-27	M220041-011104	GUIDE STRIP	<del> </del>		
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P/N	ZPS ORDER #	NAME	DIMENSION	STANDARD	Oty
30-1	3092030730	HHS	M6x16 ZN DLZAV	ISO 4017	1
30-2	3092811160	ADJUSTING SCREW	M12x12 ZN		4
30-3	R220041-6101A5	L.H.COVER			1
30-4	3112100180	WASHER	*6.4 ZN	ISO 7089	44
30-5	3111200380	HH NUT	M6 ZN	DIN EN 24032	22
30-6	R220281-6128E1	SCREW			5
30-7	2723120050	OIL RUBBER HOSE	*10/2	ON 635330.07	0.6 M
30-8	3111200470	HH NUT	M8 ZN	DIN EN 24035	2
30-9	3095430290	SHCS	M6x12 ZN	DIN 912-8.8	16
	3112140240	SPRING WASHER	*6 ZN	DIN 7980	10
30-11	3092030850	HH SCREW	M6x30 ZN DL.ZAV	ISO 4017	4
	R220041-6117D1	GUIDEWAY	11107000 211 0010 11		1
30-13	3095430290	SHCS	M6x12 ZN	DIN 912-8.8	10
30-14	R220241-7019E15	IWASHER			10
	R220041-6211B1B	L. H. SHIM			1
	R220041-6204D2	ICOVER			1
30-17	R220041-6110E1	MATCHING PLATE		<del> -</del>	2
	R220041-6311C4	GUIDE STRIP, LEFT			1
	B220041-6212B1A	R. H. SHIM			1
	R220041-6261E1C	HOLDER			1
30-21	3112100210	WASHER UNDER HH	*8.4 ZN	ISO 7089	3
30-55	3095430660	SHCS	M8x16 ZN	DIN 912-8.8	2
30-53	3111200470	NUT	M8 ZN	DIN EN 24032	1
	R220041-6262E1	SHIM	1710 2.1		1 1
	3092311580	CHEESE HEAD SCREW	M5x40 ZN		4
	R220041-6131A5	SIDE DOOR, LEFT			2
	R220041-6102A5	R.H.COVER			1
	4411520060	NUT CAGE	M6	ASSOTRA	10
	3095430350	SHCS	M6x16 ZN	DIN 912-8.8	39
	R220041-6104D2B	STRIP			1
	R220041-6138E2	PLATE			4
	R220241-7021E1	SHIM			2
	3115150910	CYLINDRICAL PIN	*6x20	ISO 2338-A	4
	R220241-7022E1	SHIM			2:
30-35	3095430290	SHCS	M6x12 ZN	DIN 912-8.8	8
30-36	3095430350	SHCS	M6x16 ZN	DIN 912-8.8	4
30-37	3112100180	WASHER UNDER HH	*6.4 ZN	ISO 7089	6
30-38	R220041-6292E2A	INSERT			1
30-39	4050001920	LOCK AND KEY FOR DOOR			1
30-40	3092510970	FHCS (FLAT HEAD CAP-SCREW)	M5x12 ZN		4
30-41	R220041-6288E2	CONTACT BRACKET			1
30-42	R220041-6283E2	SHIM			2
30-43	3095430090	SHCS	M5x16 ZN	DIN 912-8.8	4
30-44	3112100150	WASHER UNDER HH	*5.3	ISO 7089	4
30-45	R220041-6280E2	LOCK BRACKET			1
	R220041-6114D2	STRIP			1
	4411520050	NUT CAGE	M5	ASSOTRA	4
30-48	3480000020	LIGHTING	WALDMANN MHWK 60	/24V	1
30-49	R220041-6310E4	PLATE			5
	R220041-6312E4	SPACER			7
30-51	3471000010	BULB	WALDMANN 24/70W I	H3	1