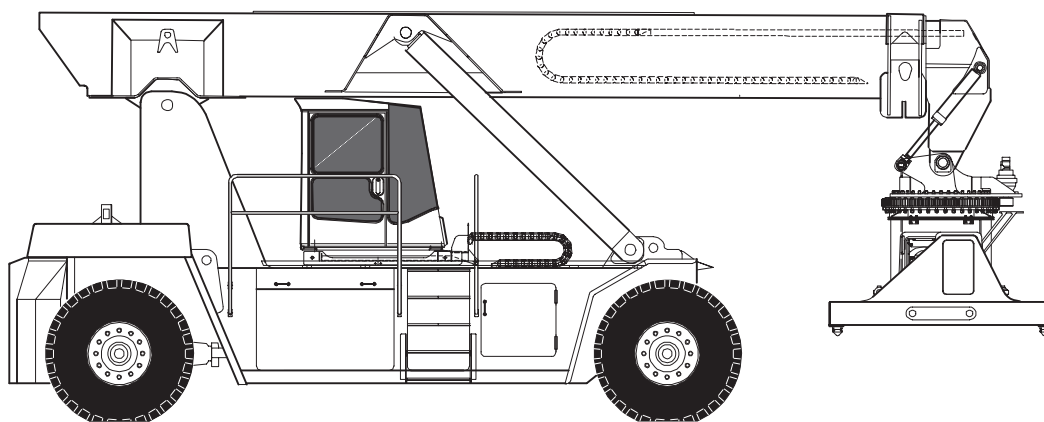


ContMaster

SPARE PART LIST

Model	DRS4527-S5
Serial no.	45436, 45454, 45455, 45463, 45464, 45465, 45466, 45468
Year	2000



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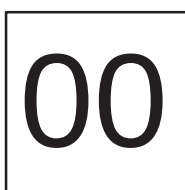
Kalmar Industries Oy Ab

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Container Handling
PO Box 387
FIN-33101 Tampere Finland
Tel. +358 3 265 8111
Fax. +358 3 265 8220

A Partek Company

REFERENCE INDEX

00	Instructions
01	Power Unit
02	Transmission
03	Hydraulic System
04	Electrical System
05	Cab
06	Working Devices
07	Frame and Shields
08	Equipment



INSTRUCTIONS
BEDIENANWEISUNG

	Description Instructions for user	☐ Date 98-06-09	Module NV01-0100	Page 1
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Instructions on Spare Parts Lists and How to Order

These spare parts lists are made for **ordering spare parts from the dealers authorized by Kalmar Industries Oy Ab**. By using these spare parts lists and giving detailed information of the parts to the dealer, your order and delivery will be handled faster.

The spare parts lists consist of pages where the information on the parts of the machine is given (machine number and model are on the front page).

Drawings of the spare parts are shown on an illustration page in exploded views or plane views, and detailed information is given on the opposing text page. Each illustration page has an drawing with reference numbers, and a heading box with information referring to the corresponding text page. A text page contains a heading box and detailed information on each part: part number, name, order number, quantity, and standard.

The spare parts lists are divided into sections given in the main index. Each section consists of modules presented on the front page of the section.

The spare parts lists are delivered in the language ordered by the customer. Either one or two languages can be used.

The following information must be given in the spare part order:

1. Complete information on the machine, including machine number, and possibly model, engine number, and gearbox number.
2. The group, page, and part numbers of the ordered parts, and their exact quantities.
3. Information on delivery and how the dealer is able to contact the customer.

Module Front Page

	Revision VOK01/98-06-09	Date 98-06-09	Module NV03-0100	Page 1/3
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Version and the date when the changes were made.

NV03-0100

Hydr. pump for brake

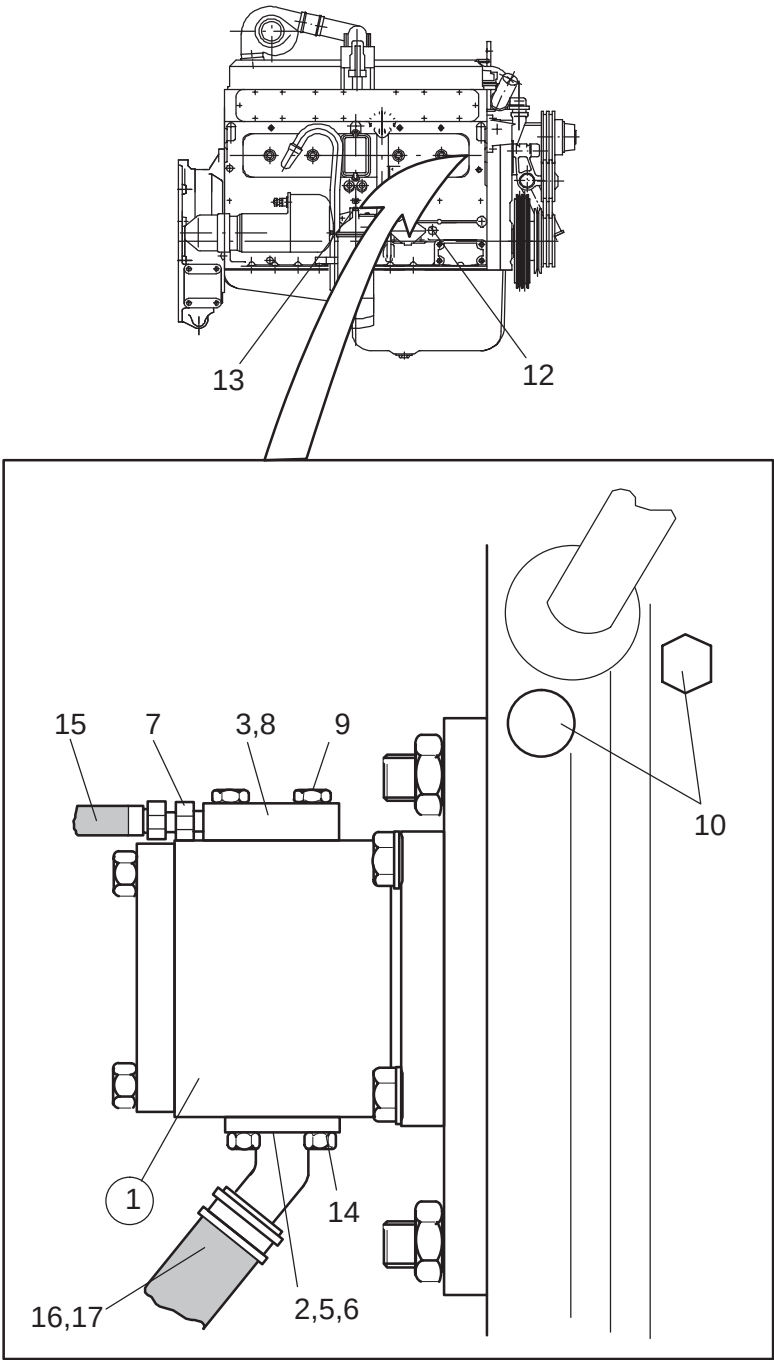
Completion date of module.

Module name

Illustration Page

An illustration page contains drawings either as exploded views or plane views with the reference numbers of the parts.

Page 2	Module NV03-0100	Date 98-06-09	Description Pump mounting	
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N5502850A

01

POWER UNIT

KV01 – 0100

Engine and Transmission Mounting
Montagem do motor e da transmissão

KV01 – 0101

Engine
Motor

KV01 – 0102

Cooling system
Sistema de arrefecimento

KV01 – 0103

Hydraulic Transmission
Transmissão hidráulica

KV01 – 0110

Dipstick/ Gearbox
Vareta de óleo/caixa de câmbio

KV01 – 0105

Fuel System
Sistema de combustível

KV01 – 0106

Fuel System
Sistema de combustível

KV01 – 0107

Control equipment for power unit
Equipamento de controle da unidade de
potência

KV01 – 0108

Exhaust Manifold
Tubulação de escape

KV01 – 0109

Air Filter
Filtro de ar

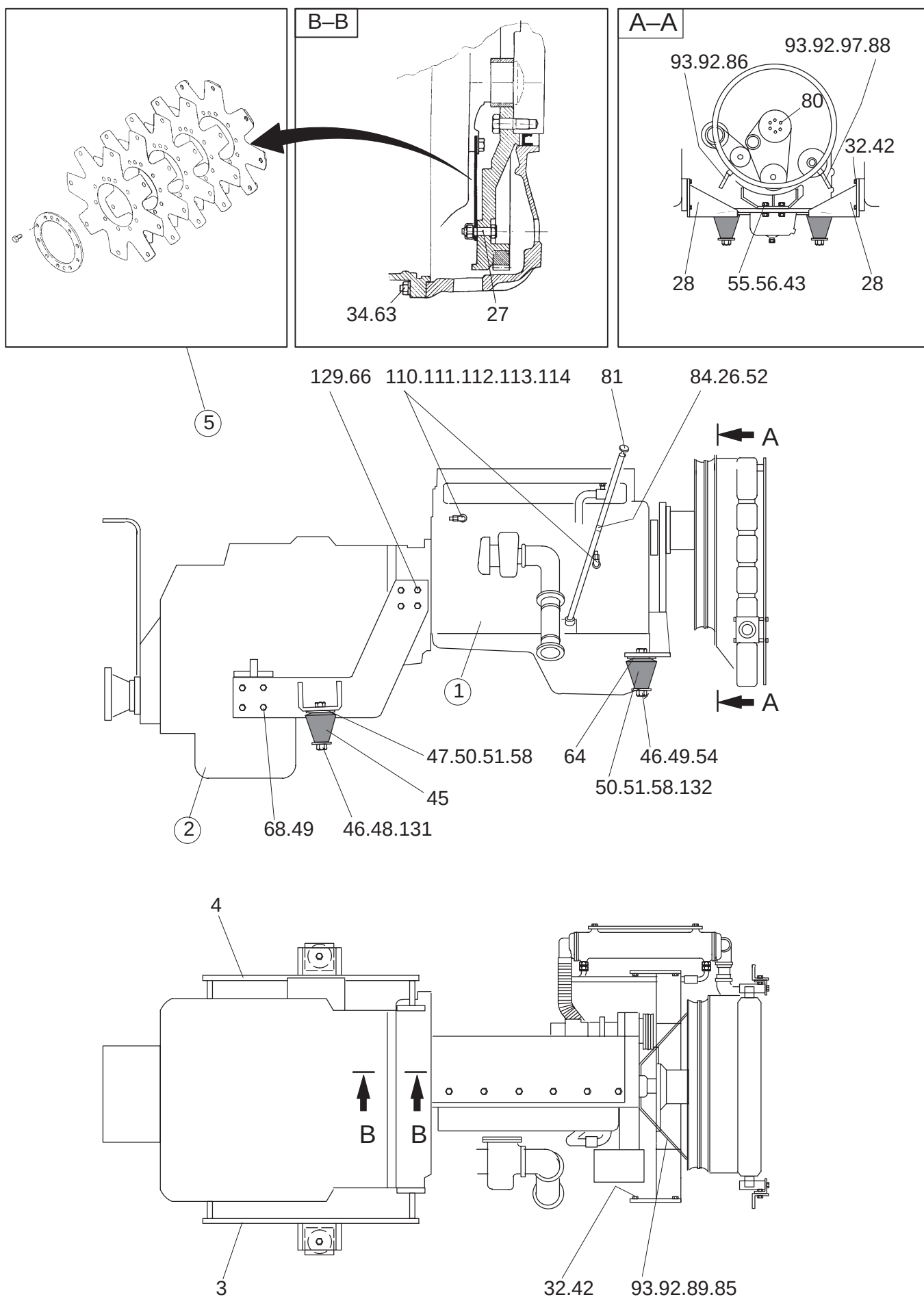
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV01-0100	Page Página 1/3
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KV01-0100

Engine and Transmission Mounting

Montagem do motor e da transmissão

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV01-0100	93-01-12	Power unit, mount.	



		Description Descrição Power unit, mount.			☐	Date Data 93-01-12	Module Módulo KV01-0100	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
*1	Engine	Motor	T5614260	1		Cummi	MTA11-C330	
**2	Gearbox	Caixa de velocidades	K0201082H	1		Clark	15.5HR36431-3	
3	Support	Suporte	T5516910	1				
4	Support	Suporte	T5516920	1				
**5	Disc set	Jogo de discos	T0209036H	1		Clark	802558 16"	
26	Tube	Tubo	K5680630	1				
27	Screw	Parafuso	53061183	8		ISO4017	M10X1.25X40	
28	Support	Suporte	T5518300	2				
32	Screw	Parafuso	53060222	8		ISO4017	M12x35	
34	Screw	Parafuso	53060185	12		ISO4017	M10x50	
42	Washer	Anilha	50062012	8		DIN6796	12	
43	Washer	Anilha	50012200	4		DIN125	21	
45	Rubber mounting	Suporte de borracha	770172246	2		METAL	17-0146-60	
46	Limiter	Limitador	770152470	4		Metal	15/247	
47	Limiter	Limitador	T5517930	2		Metal	15/247	
48	Screw	Parafuso	53160485	2		ISO4014	M24X200	
49	Screw	Parafuso	53065384	8		SMS1943	UNC3/4x45	
50	Screw	Parafuso	53060143	16		ISO4017	M8X40	
52	Fitting	União	64308009	1		VL054100/6-3/4-16UNF		
51	Nut	Porca	51010080	16		DIN985	M8	
54	Screw	Parafuso	53060487	2		ISO4014	M24X220	
55	Screw	Parafuso	53060389	2		ISO4017	M20X70	
56	Nut	Porca	51010200	2		DIN985	M20	
58	Washer	Anilha	50012080	16		DIN125	8.4	
63	Washer	Anilha	50082100	22		DIN137	10	
64	Limiter	Limitador	T5516430	2				
66	Screw	Parafuso	53060307	8		ISO4017	M16x60	
68	Washer	Anilha	50082200	8		DIN137	20	
80	Screw	Parafuso	T5515880	6				
81	Dipstick	Vareta	K5680602	1				
84	Support	Suporte	T5515920	1				
85	Fastener	Ligador	T5515820	1				
86	Fastener	Ligador	T5515810	1				
88	Fastener	Ligador	T5515840	1				
89	Screw	Parafuso	53060218	2		ISO4017	M12x20	
92	Screw	Parafuso	53060136	4		ISO4017	M8x16	
93	Washer	Anilha	50012080	4		DIN125	8.4	
97	Screw	Parafuso	53060178	1		ISO4017	M10x20	
110	Fitting	União	64306010	2		VLO54110/16 7/8-14UNF		
111	Fitting	União	64345716	2		VLS620.3316JIC/7/8-14		
112	Nut	Porca	64163910	2		VLS620.5016JIC		
113	Sleeve	Casquilho	64160916	2		VLS620.5116JIC		
114	Tube	Tubo	24162033	x		DIN2391	16x2.0	
129	Screw	Parafuso	53060305	8		ISO4017	M16x50	
131	Nut	Porca	51010240	2		DIN985	M24	
132	Rubber mounting	Suporte de borracha	770172245	2		METAL	17-0146-45	

*) See engine module

**) See gearbox module

	Revision Revisão VOK71/00-12-11	☐ Date Data 98-10-06	Module Módulo KV01-0101	Page Página 1/125
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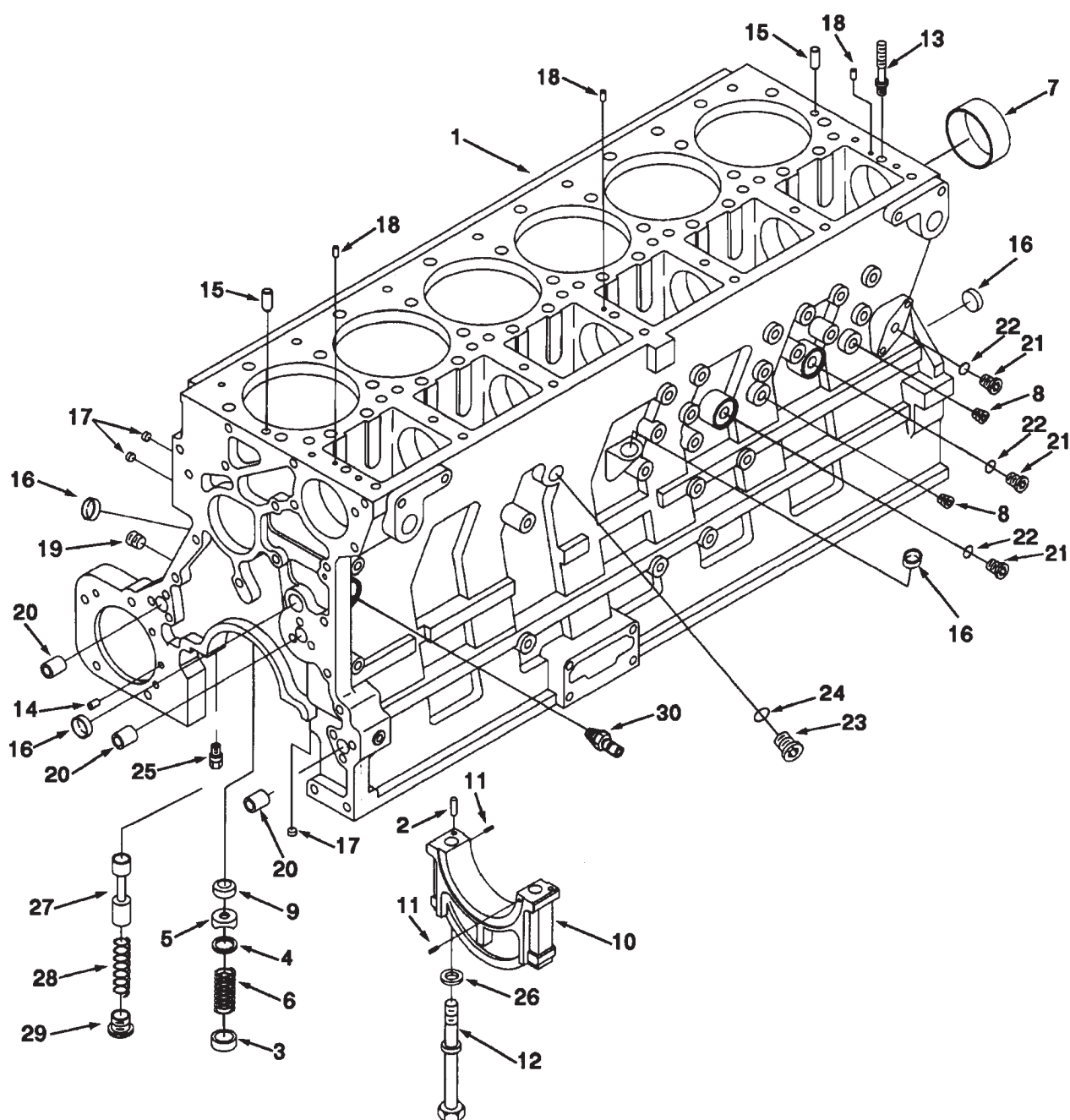
KV01-0101

Engine

Motor

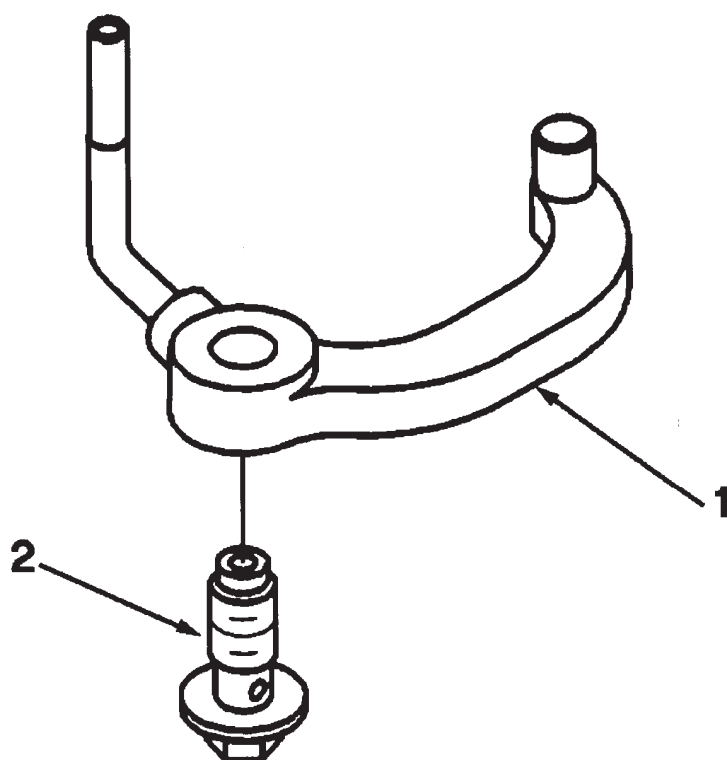
Page Página	Module Módulo	Date Data	Description Descrição	
2	KV01-0101	93-01-12	Cylinderblock	

1A



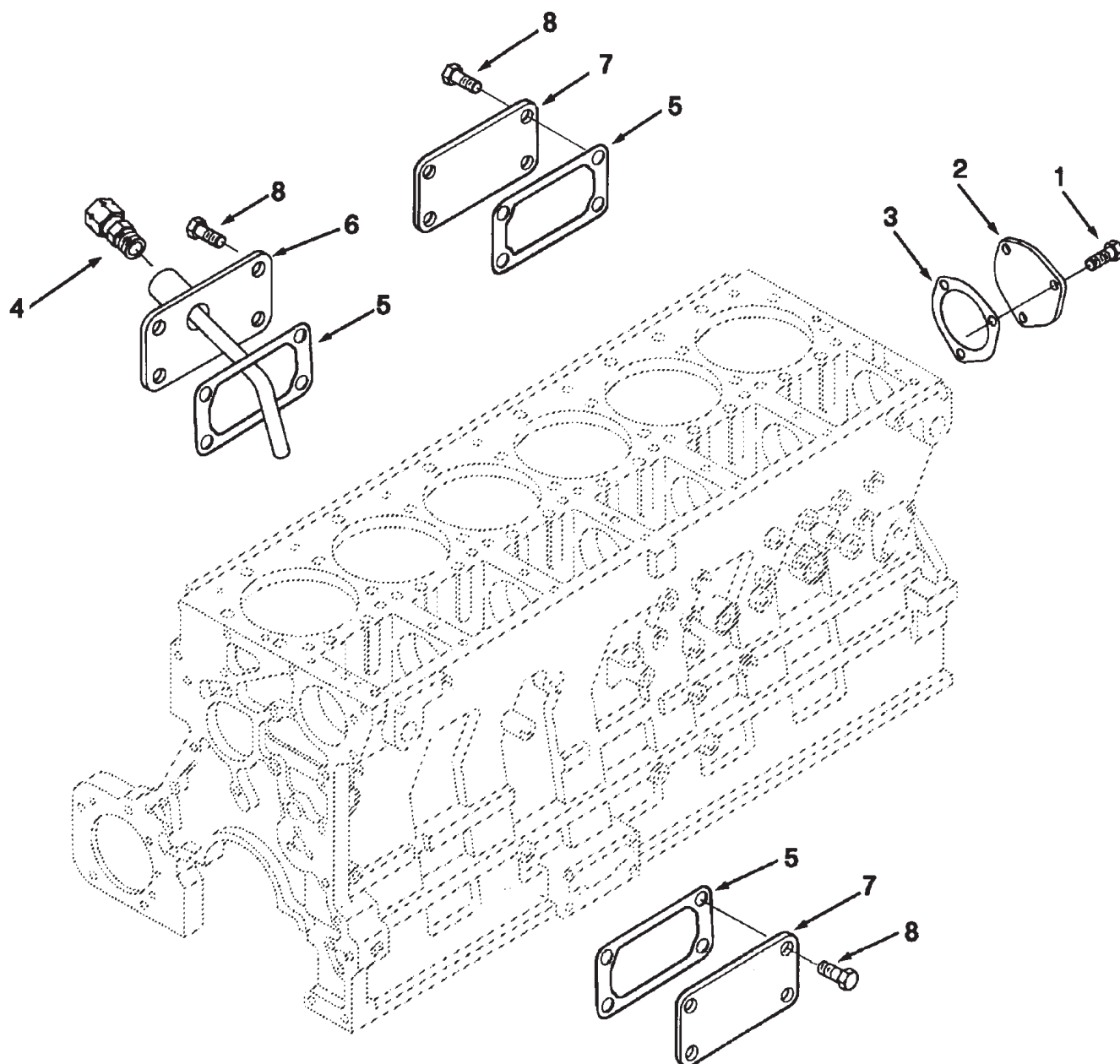
		Description Descrição Cylinderblock			☐	Date Data 93-01-12	Module Módulo KV01-0101	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
–	Engine	Motor	T5614260	1		Cummi	MTA11–C330	
	see page 3–125							
1A	Cylinderblock	Bloco de motor	800040993	1		Cummi	3803717	
2	Dowel pin	Perne–guia	800038860	2		Cummi	148555 no. 4	
3	Plug	Ficha	800038861	1		Cummi	179063	
4	Washer	Anilha	800038862	1		Cummi	3014754	
5	Disc	Disco	800038863	1		Cummi	3014755	
6	Spring	Mola	800038864	1		Cummi	3014756	
7	Bushing	Casquilho	800038865	7		Cummi	3820566	
8	Plug	Ficha	800038866	2		Cummi	3008466	
9	Valve seat	Sede de valvula	800038867	1		Cummi	3026758	
10	Bearing cap	Tampa rolamento	800038868	1		Cummi	3027490no.4	
11	Pin	Pin	800040926	2		Cummi	3028252	
10a	Bearing cap	Tampa rolamento	800038870	6		Cummi	3026961no.1.2.3.5.6.7	
12	Screw	Parafuso	800038871	14		Cummi	3027493	
13	Stud bolt	Perne–parafuso	800040927	7		Cummi	3895832	
14	Dowel pin	Perne–guia	800038873	1		Cummi	70550	
15	Dowel pin	Perne–guia	800038874	2		Cummi	142207	
16	Plug	Ficha	800038875	4		Cummi	3007635	
17	Plug	Ficha	800038876	8		Cummi	3007632	
18	Dowel pin	Perne–guia	800038877	3		Cummi	3008446	
19	Plug	Ficha	800038878	4		Cummi	3008468	
20	Guide bushing	Casquilho guia	800038879	1		Cummi	3026231	
21	Plug	Ficha	800038880	1		Cummi	3037536	
22	O-ring	O'ring	800038125	1		Cummi	3037537	
23	Plug	Ficha	800038881	1		Cummi	3046202	
24	O-ring	O'ring	800039212	1		Cummi	3046201	
25	Sensor	Sensor	800039225	1		Cummi	3069728	
26	Washer	Anilha	800039202	14		Cummi	3019631	
27	Piston	Pistão	800039223	1		Cummi	3068979	
28	Spring	Mola	800034046	1		Cummi	3010146	
29	Plug	Ficha	800038820	1		Cummi	3821725	
30	Fitting	União	800034006	1		Cummi	3042619	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
4	KV01-0101	97-01-30	Nozzle		



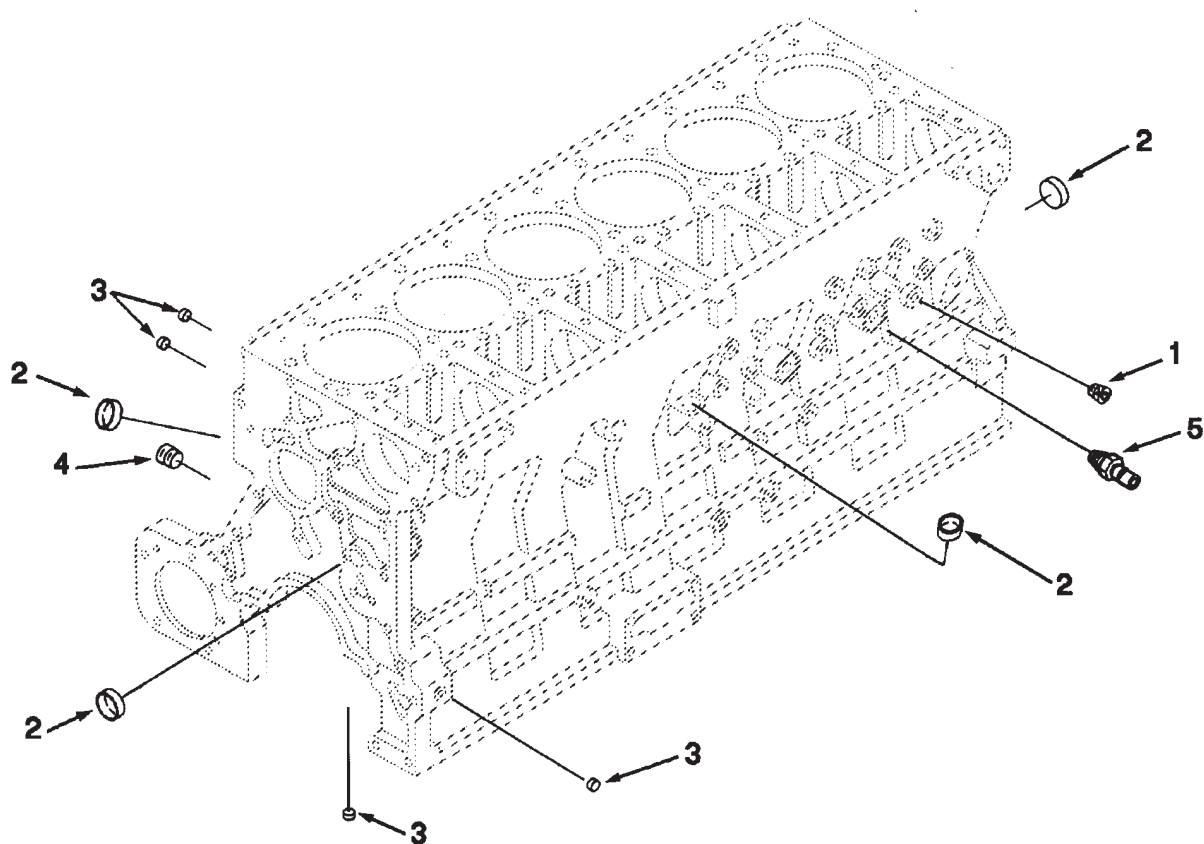
		Description Descrição Nozzle	☐		Date Data 97-01-30	Module Módulo KV01-0101	Page Página 5
Item.	Description	Order no.	Qty	S	Notes		
1	Nozzle Bico injector	800040928	6		Cummi	3080708	
2	Hollow bolt	800039228	6		Cummi	3070393	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
6	KV01-0101	97-01-30	Shield plates		

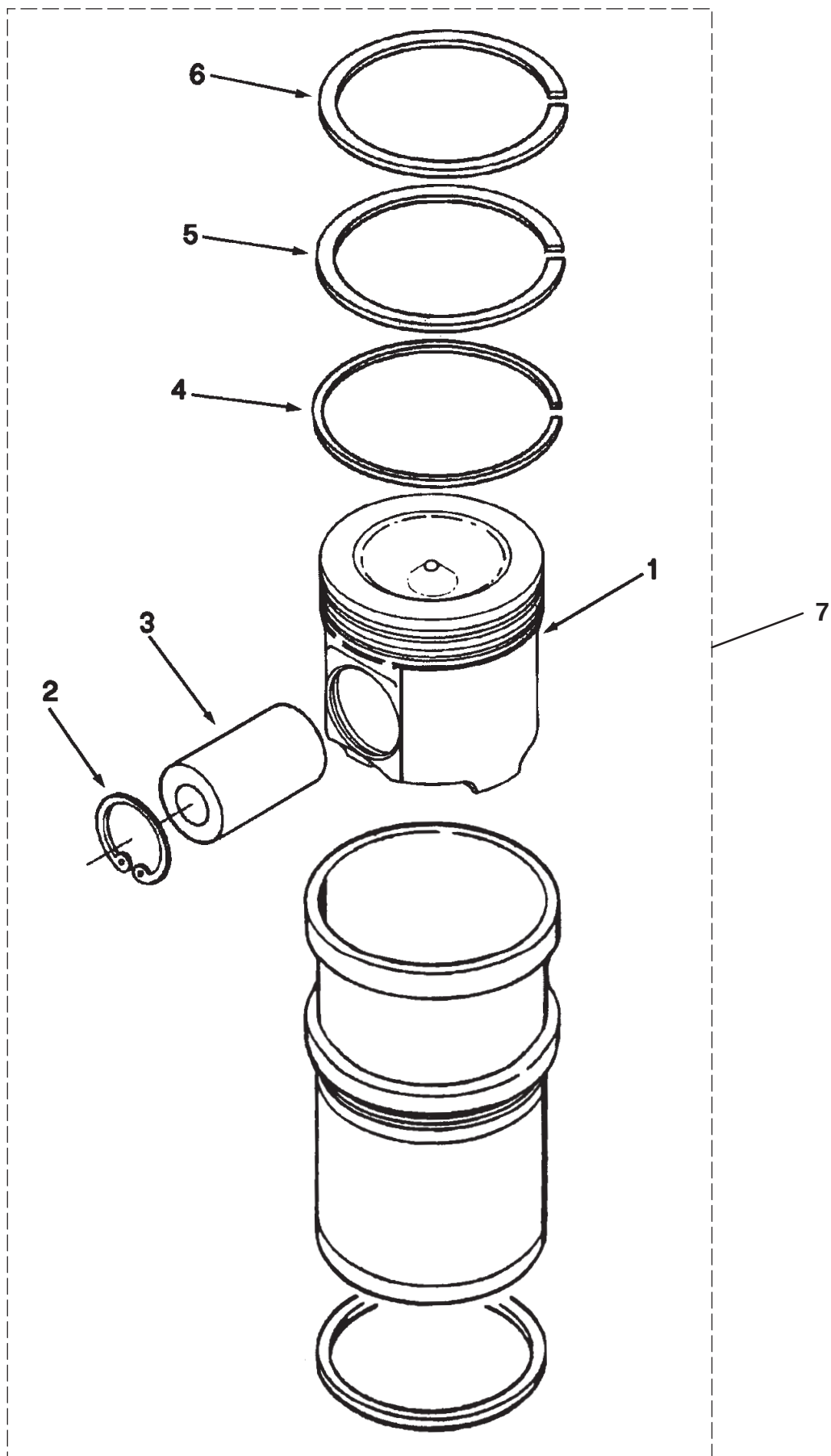


		Description Descrição Shield plates			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 7
Item.	Description		Order no.	Qty	S	Notes		
1	Screw	Parafuso	800038942	3		Cummi	3009887	
2	Cover	Tampa	800039055	1		Cummi	3025295	
3	Gasket	Junta	800039056	1		Cummi	3025296	
4	Fitting	União	800039062	1		Cummi	163759	
5	Gasket	Junta	800039061	3		Cummi	3883472	
6	Cover	Tampa	800039059	1		Cummi	3820470	
7	Cover	Tampa	800039060	2		Cummi	3028684	
8	Screw	Parafuso	800038933	12		Cummi	3036230	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
8	KV01-0101	97-01-30	Plugs		



		Description Descrição Plugs			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
1	Plug	Ficha	800033758	1		Cummi	3008466	
2	Plug	Ficha	800038875	4		Cummi	3007635	
3	Plug	Ficha	800038876	9		Cummi	3007632	
4	Plug	Ficha	800038878	1		Cummi	3008468	
5	Nipple	Lubrificador	800039135	1		Cummi	3042619	



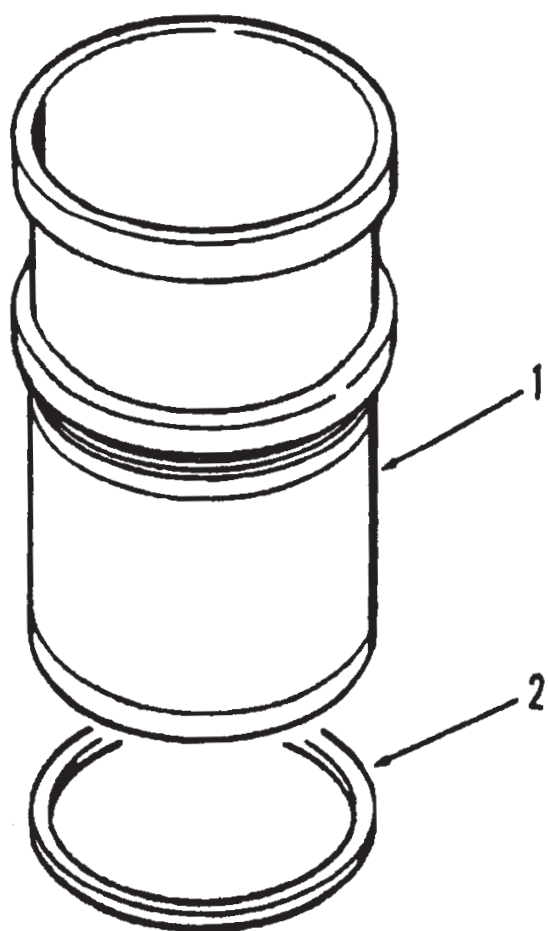
		Description Descrição Piston kit			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 11
Item.	Description		Order no.	Qty	S	Notes		

*1	Piston	Pistão	800040929	6		Cummi	3803976
7	Cylinder,compl.	Cilindro, compl.	800040930	6		Cummi	3803977

*)Incl. parts 1-6

*)

Page Página 12	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição Cylinder liner	☐	
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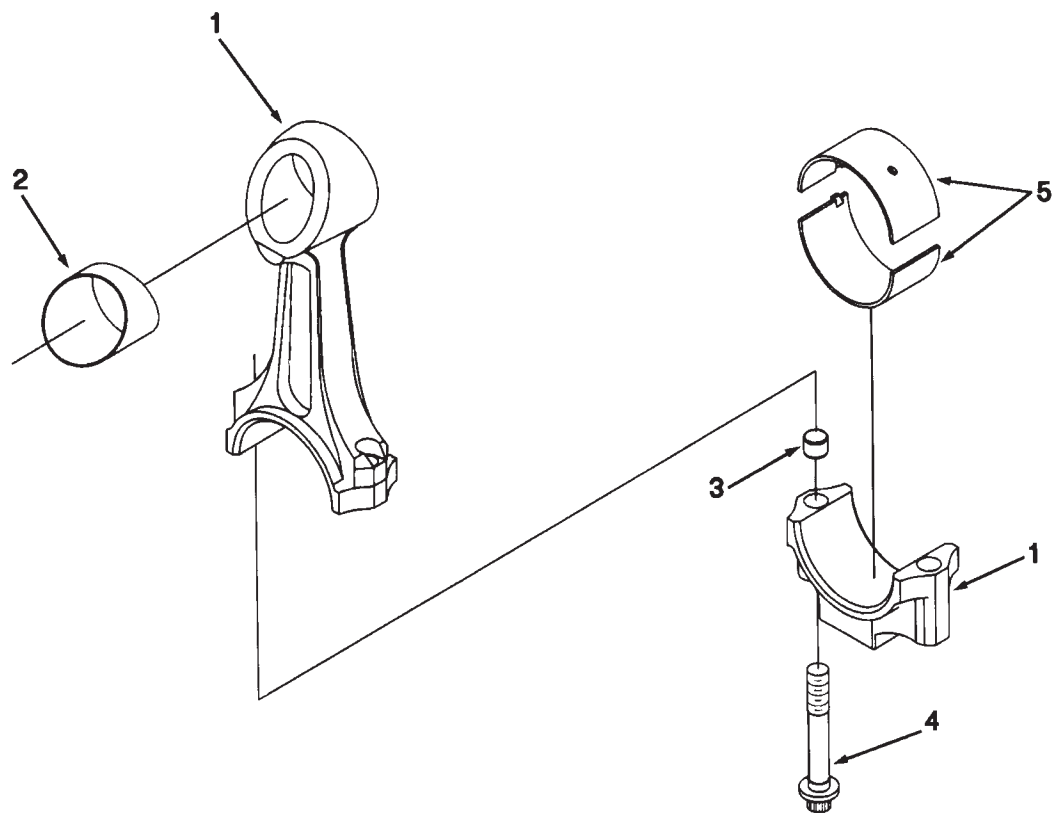


		Description Descrição Cylinder liner			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		

1	Cylinder liner	Camisa do bloco	800040931	6		Cummi	3803703	
2	Shim	Anilha	800038829	x		Cummi	3032623 0.005"	
3	Shim	Anilha	800038830	x		Cummi	3034663 0.008"	

x) Order as required.
x)

Page Página 14	Module Módulo KV01-0101	Date Data 99-10-05	Description Descrição Connecting rod	☐	
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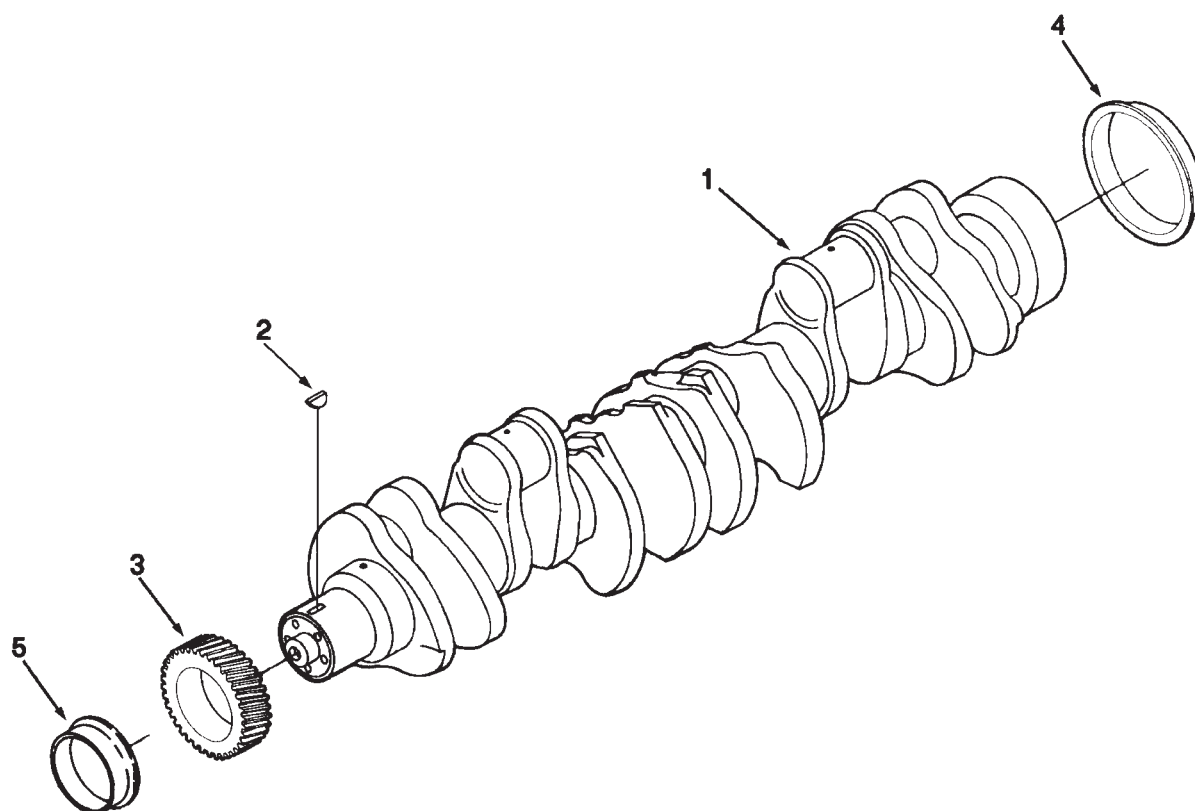


		Description Descrição Connecting rod			☐	Date Data 99-10-05	Module Módulo KV01-0101	Page Página 15
Item.	Description		Order no.	Qty	S	Notes		
*1	Connecting rod	Biela	800042198	6		Cummi	3899450	
5	Big-end bearing	Bronze de biela	800039047	12		Cummi	3016760 std.	
5A	Big-end bearing	Bronze de biela	800039154	12		Cummi	3016761 0,25mm oversize	
5B	Big-end bearing	Bronze de biela	800039155	12		Cummi	3016762 0,50mm oversize	
5C	Big-end bearing	Bronze de biela	800039156	12		Cummi	3016763 0,75mm oversize	
5D	Big-end bearing	Bronze de biela	800039157	12		Cummi	3016764 1,00mm oversize	

*)Incl. parts 1-4

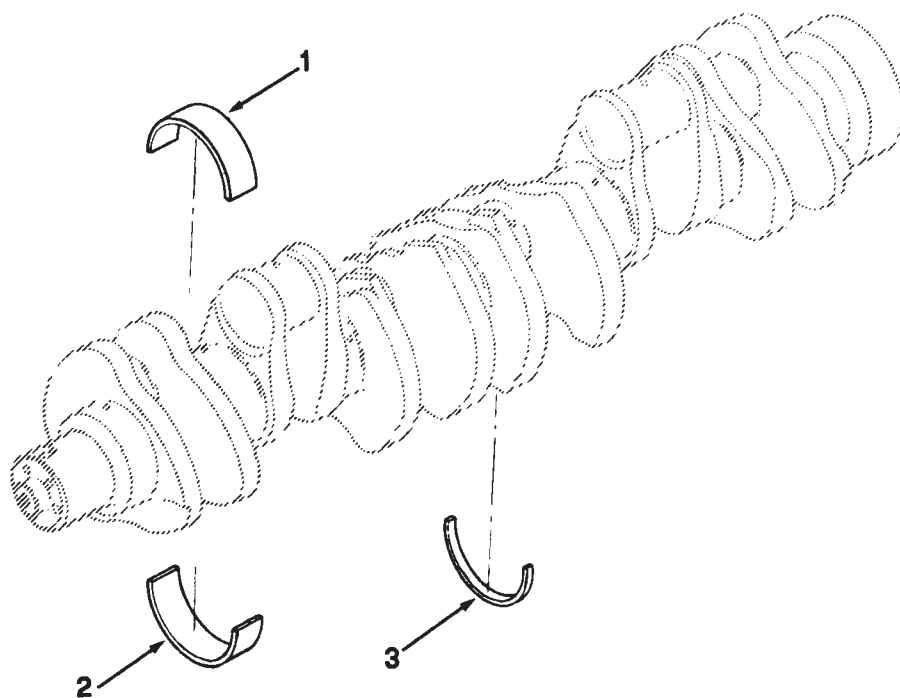
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Page Página 16	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição Crankshaft	☐	
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		Description Descrição Crankshaft			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 17
Item.	Description		Order no.	Qty	S	Notes		
1	Crankshaft	Cambota	800040933	1		Cummi	3073707	
2	Key	Chaveta	800038856	1		Cummi	S-300	
3	Gear	Engrenagem	800040932	1		Cummi	3084445	
4	Sleeve	Casquilho	800038858	1		Cummi	3819774	
5	Sleeve	Casquilho	800038859	1		Cummi	3820918	

Page Página 18	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição Bearings	☐	
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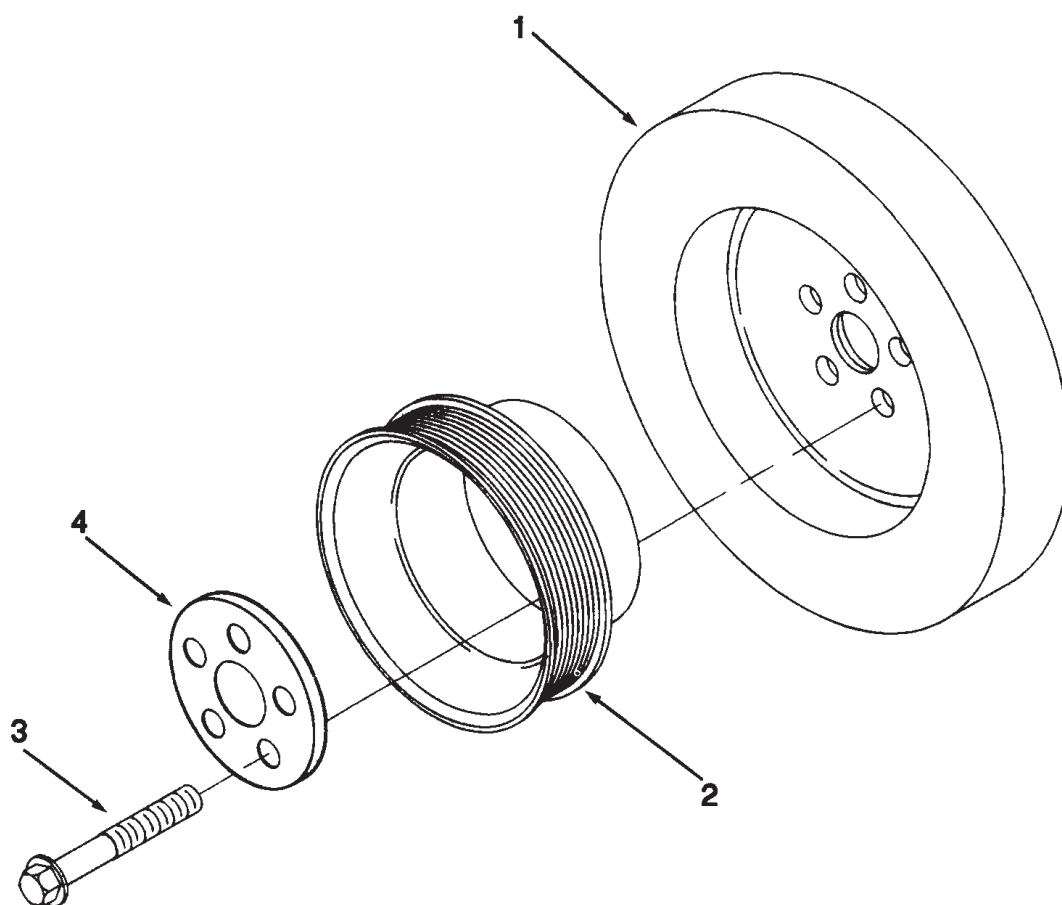


		Description Descrição Bearings			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 19
Item.	Description		Order no.	Qty	S	Notes		
*a	Bushing set	Jogo casquilhas	800038783	1		Cummi	3801150	std.
*b	Bushing set	Jogo casquilhas	800038784	1		Cummi	3801151	0.010" oversize
*c	Bushing set	Jogo casquilhas	800038785	1		Cummi	3801152	0.020" oversize
*d	Bushing set	Jogo casquilhas	800038786	1		Cummi	3801153	0.030" oversize
*e	Bushing set	Jogo casquilhas	800038787	1		Cummi	3801154	0.040" oversize
3b	Bearing	Rolamento	800038788	4		Cummi	3050589	0.010" oversize

*)Incl. parts 1-3

*)

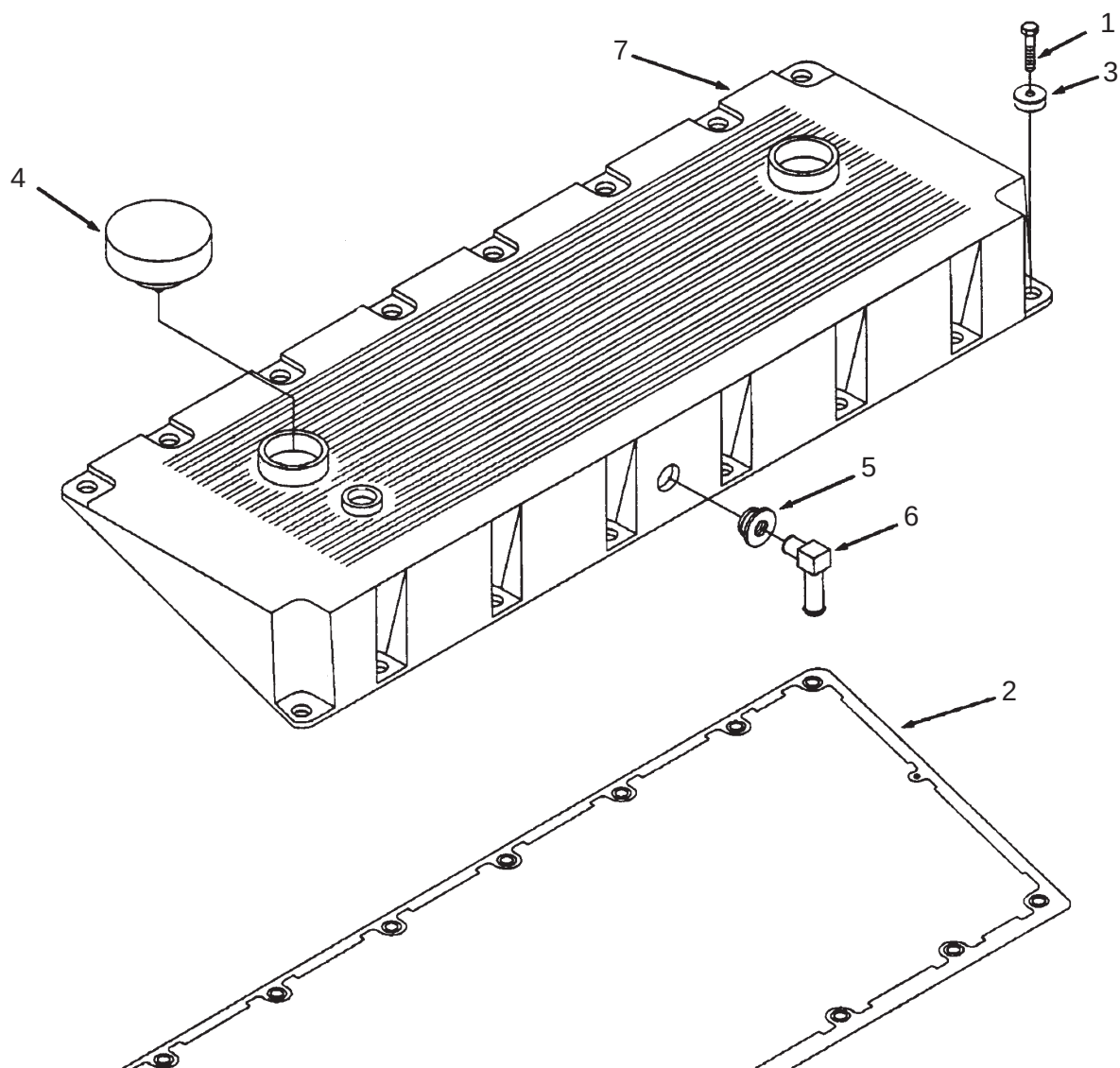
Page Página 20	Module Módulo KV01-0101	Date Data 99-10-05	Description Descrição Vibration damper	☐	
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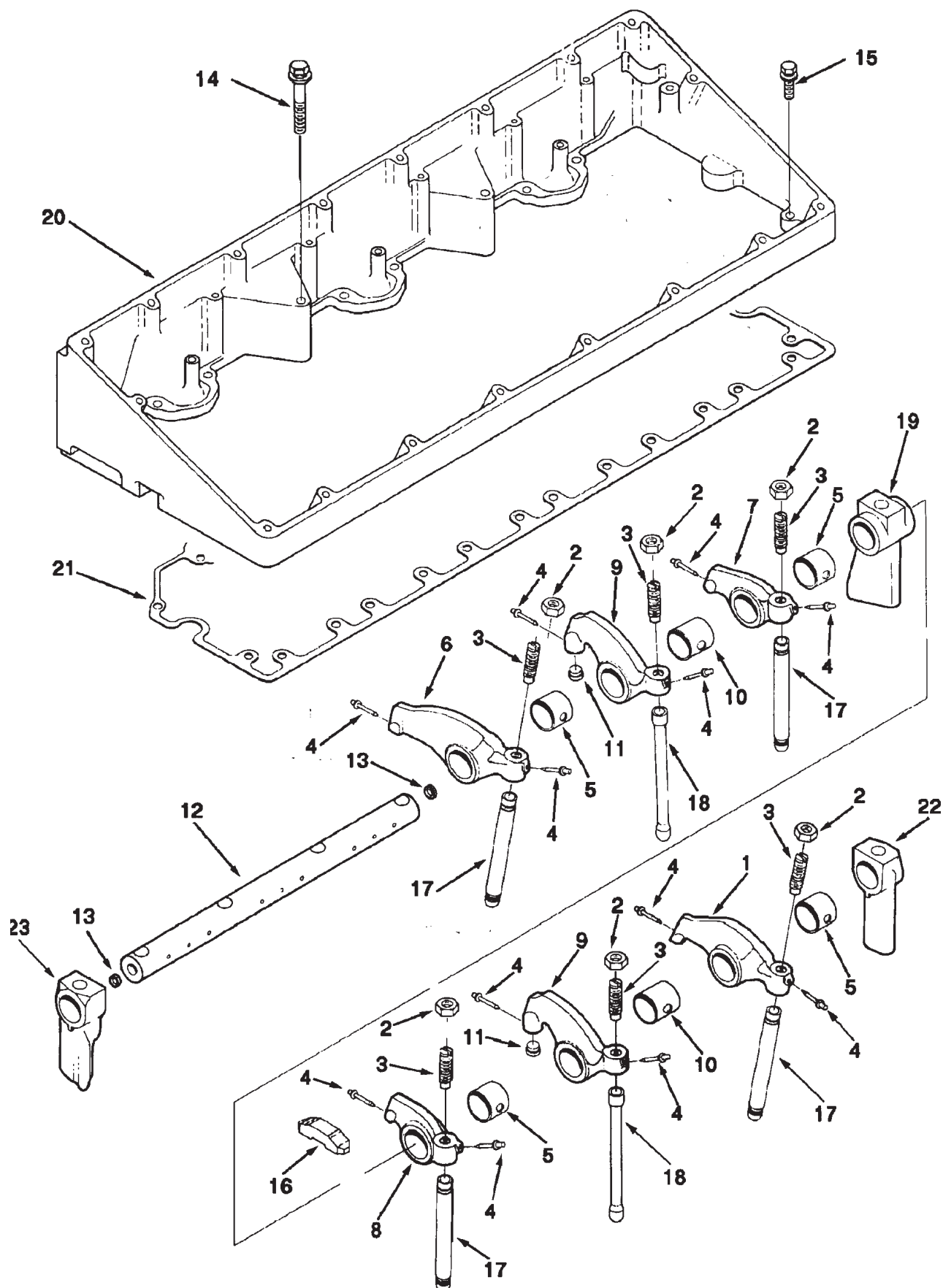
		Description Descrição Vibration damper			☐	Date Data 99-10-05	Module Módulo KV01-0101	Page Página 21
Item.	Description		Order no.	Qty	S	Notes		

1	Vibration damper	Amortecedor	800040934	1		Cummi	3073587
2	Belt pulley	Polia	800042199	1		Cummi	3073676
3	Screw	Parafuso	800042200	5		Cummi	3896231
4	Plate	Placa	800040936	1		Cummi	3896043

Page Página 22	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição Valve cover	☐	
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		Description Descrição Valve cover			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 23
Item.	Description		Order no.	Qty	S	Notes		
1	Screw	Parafuso	800039102	16		Cummi	3335042	
2	Gasket	Junta	800039250	1		Cummi	3883220	
3	Insulator	Isolador	800039101	16		Cummi	3883223	
4	Cap	Tampão	800039204	1		Cummi	3029173	
5	Seal ring	Vedante	800039211	1		Cummi	3042401	
6	Breather	Respirador	800040937	1		Cummi	3047134	
7	Valve cover	Tampa de valvula	800040938	1		Cummi	3896845	



			☐			Date Data	Module Módulo	Page Página
Description Descrição			Valve mechanism			97-01-30	KV01-0101	25
Item.	Description		Order no.	Qty	S	Notes		
*1	Valve lever	Alavanca de valvula	800039216	3		Cummi	3064600	
**6	Valve lever	Alavanca de valvula	800039215	3		Cummi	3064597	
***7	Valve lever	Alavanca de valvula	800039220	3		Cummi	3068350	
#8	Valve lever	Alavanca de valvula	800039221	3		Cummi	3068351	
##9	Valve lever	Alavanca de valvula	800039224	6		Cummi	3069020	
11	Shaft	Eixo	800039237	2		Cummi	3803166	
13	Plug	Ficha	800038800	2		Cummi	3019630	
14	Screw	Parafuso	800039256	4		Cummi	3892105	
15	Screw	Parafuso	800038808	20		Cummi	3821846	
16	Cross piece	Cruzeta	800039227	6		Cummi	3070175	
17	Push rod	Vareta	800039222	12		Cummi	3068390	
18	Push rod	Vareta	800039219	6		Cummi	3067830	
19	Support	Suporte	800039259	4		Cummi	3892654	
20	Housing	Caixa	800039251	1		Cummi	3883241	
21	Gasket	Junta	800040939	1		Cummi	3896697	
22	Support	Suporte	800039257	2		Cummi	3892652	
23	Support	Suporte	800039258	2		Cummi	3892653	

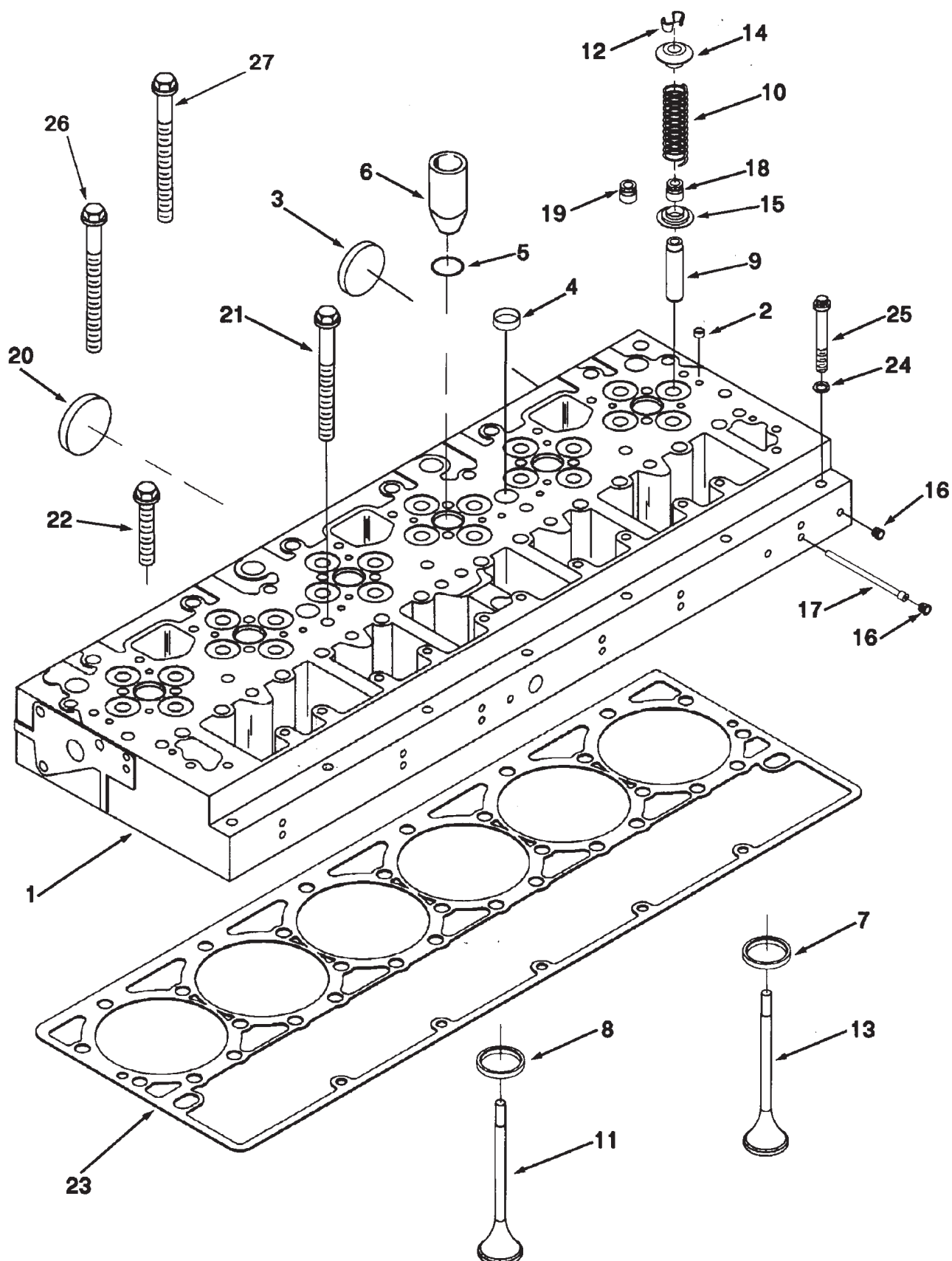
*)Incl. parts 1-5
*

**)Incl. parts 2-6
**)

***)Incl. parts 2-5.7
***)

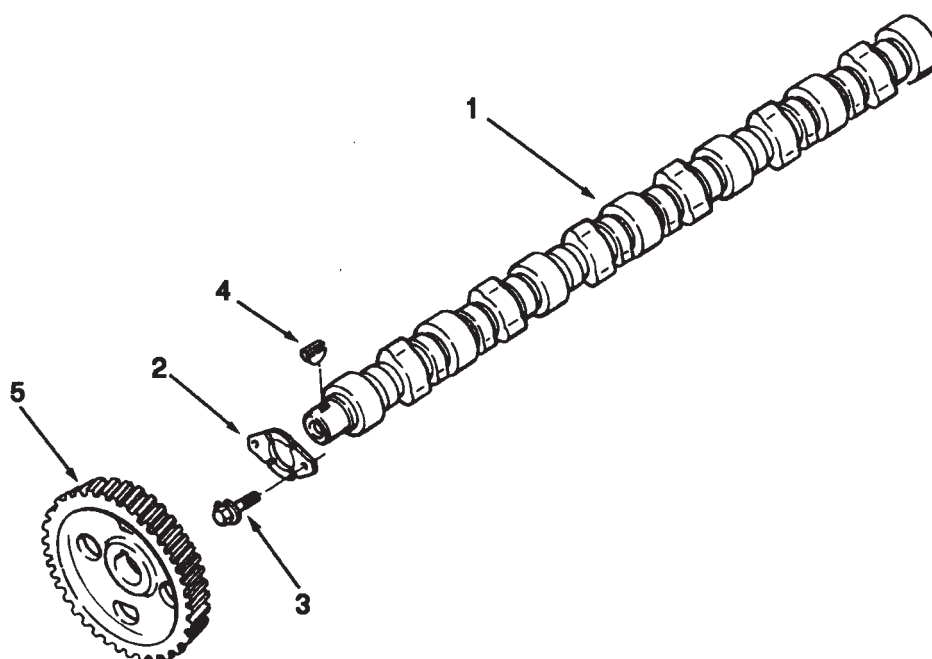
#)Incl. parts 2-5.8
#)

##)Incl. parts 2-4.9.10
##)



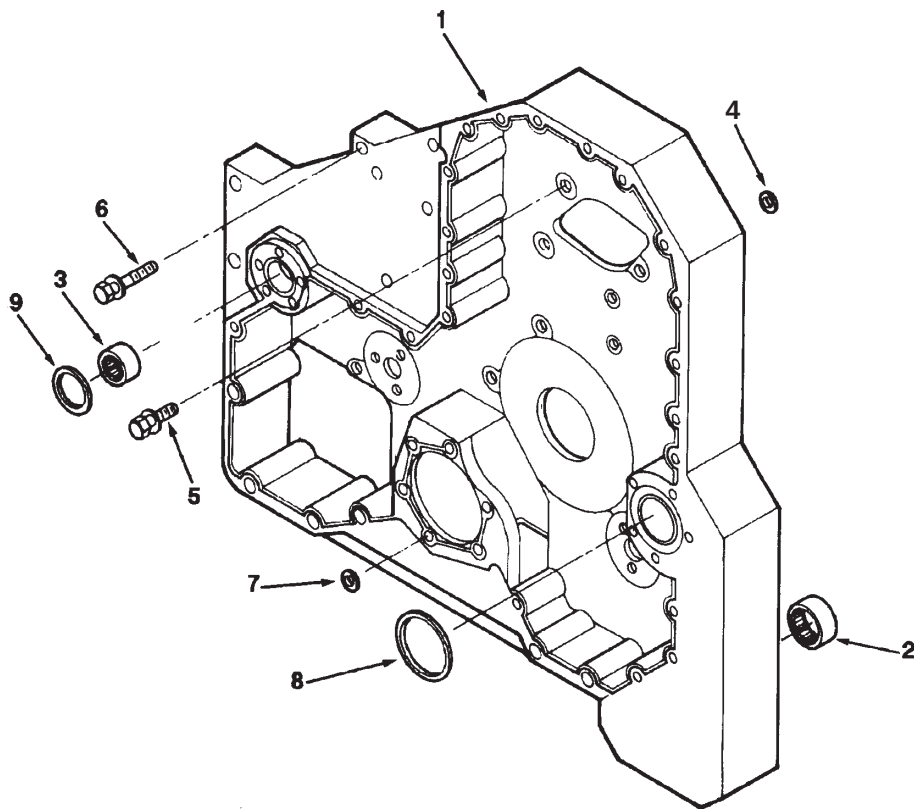
		Description Descrição Cylinder head			☐	Date Data 99-10-05	Module Módulo KV01-0101	Page Página 27
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder head	Cabeça de motor	800040940	1		Cummi	3084650	
2	Plug	Ficha	800038876	2		Cummi	3007632	
3	Plug	Ficha	800039014	2		Cummi	206741	
4	Plug	Ficha	800038875	8		Cummi	3007635	
5	O-ring	O'ring	800039016	6		Cummi	3007759	
6	Sleeve	Casquilho	800037968	6		Cummi	3070486	
7	Valve seat	Sede de valvula	800039203	12		Cummi	3028070	
8	Valve seat	Sede de valvula	800039245	12		Cummi	3820180	
9	Guide	Guia	800039019	24		Cummi	3073512	
10	Spring	Mola	800040941	24		Cummi	3895860	
11	Intake valve	Valvula admissão	800039238	12		Cummi	3803310	
12	Sleeve	Casquilho	800042193	24		Cummi	3275354	
13	Exhaust valve	Válvula de escape	800040942	12		Cummi	3803730	
14	Retainer	Retentor	800039252	24		Cummi	3883512	
15	Guide	Guia	800040943	24		Cummi	3070072	
16	Plug	Ficha	800039029	16		Cummi	3008465	
17	Plug	Ficha	800039030	6		Cummi	3820749	
18	Gasket	Junta	800039031	12		Cummi	3073509	
19	Gasket	Junta	800042201	12		Cummi	3328781	
20	Plug	Ficha	800040944	2		Cummi	3895479	
21	Screw	Parafuso	800039033	29		Cummi	3045850	
22	Screw	Parafuso	800039034	3		Cummi	3045849	
23	Gasket	Junta	800040945	1		Cummi	3899378	
24	Washer	Anilha	800039037	7		Cummi	3882885	
25	Screw	Parafuso	800039036	6		Cummi	3882793	
26	Screw	Parafuso	800040946	5		Cummi	3896712	
27	Screw	Parafuso	800040947	2		Cummi	3896839	

Page Página 28	Module Módulo KV01-0101	Date Data 97-01-31	Description Descrição Camshaft	☐	
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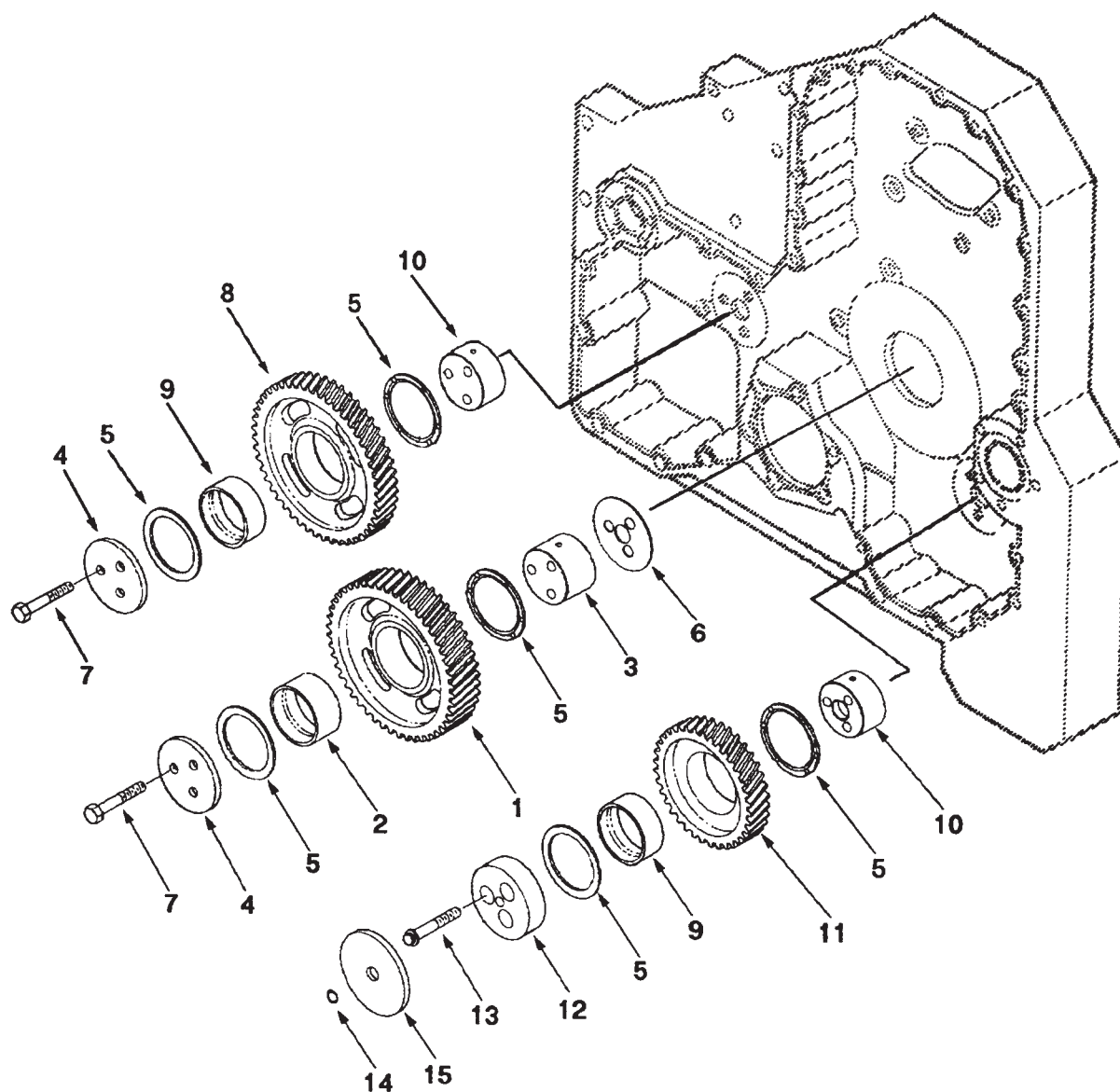


		Description Descrição Camshaft			☐	Date Data 97-01-31	Module Módulo KV01-0101	Page Página 29
Item.	Description		Order no.	Qty	S	Notes		
1	Camshaft	Veio de excentricos	800040948	1		Cummi	3087856	
2	Support	Suporte	800039268	1		Cummi	3896335	
3	Screw	Parafuso	800039040	2		Cummi	3822067	
4	Key	Chaveta	800040949	1		Cummi	3009953	
5	Gear	Engrenagem	800039007	1		Cummi	3038989	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
30	KV01-0101	97-01-30	Gear housing		



		Description Descrição Gear housing			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 31
Item.	Description		Order no.	Qty	S	Notes		
1	Housing	Caixa	800039265	1		Cummi	3895536	
2	Needle bearing	Rolamento agulhas	800039190	1		Cummi	3025354	
3	Needle bearing	Rolamento agulhas	800039262	1		Cummi	3893913	
4	O-ring	O'ring	800039249	1		Cummi	3883150	
5	Screw	Parafuso	800038823	12		Cummi	3818060	
6	Screw	Parafuso	800038824	5		Cummi	3820186	
7	Seal ring	Vedante	800038825	6		Cummi	3201659	
8	Seal ring	Vedante	800038826	1		Cummi	3820945	
9	Seal ring	Vedante	800038827	1		Cummi	3820946	



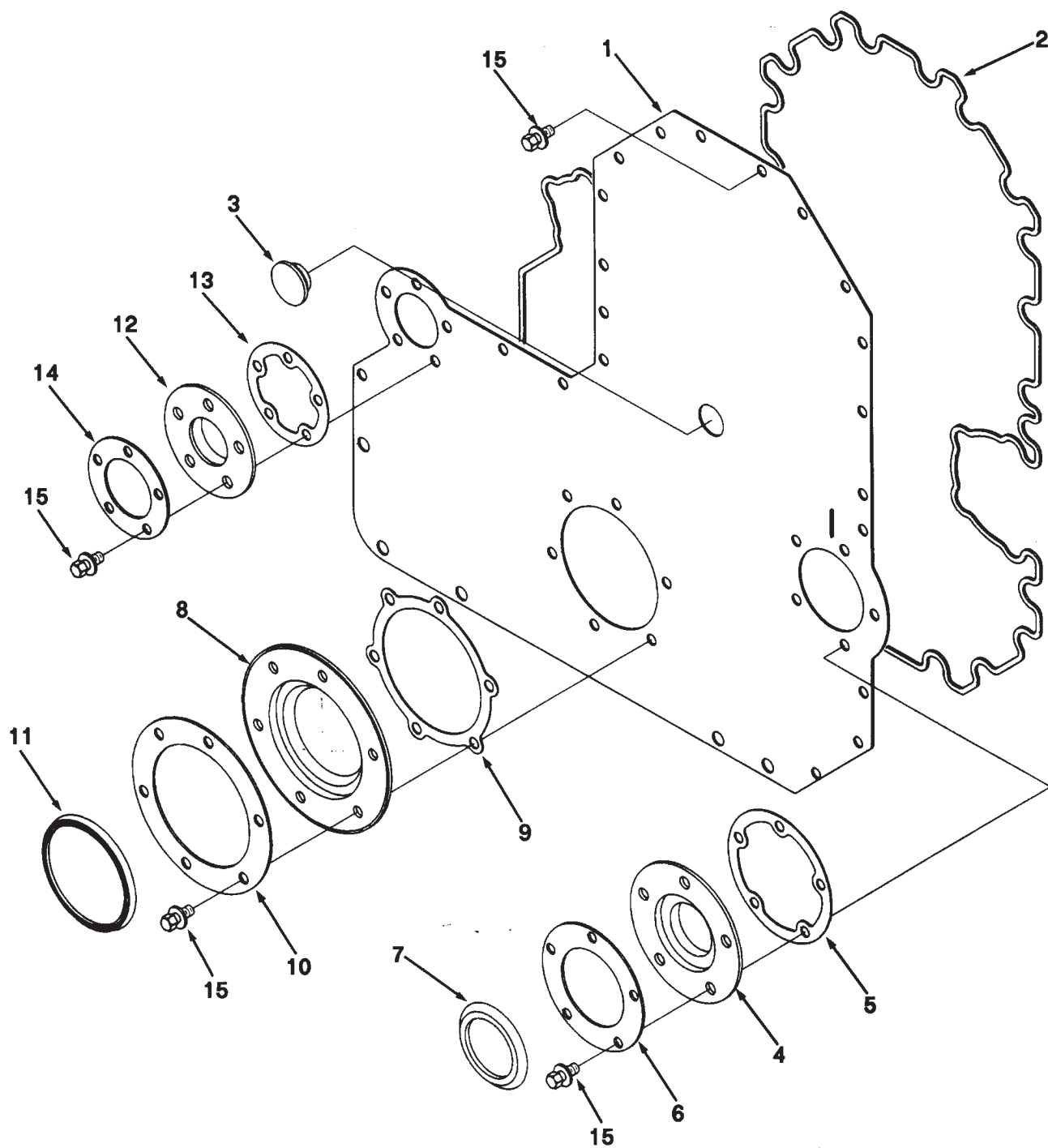
			☐		Date Data	Module Módulo	Page Página
Description Descrição Gears					97-01-30	KV01-0101	33
Item.	Description	Order no.	Qty	S	Notes		
***1	Gear	Engrenagem	800041010	1	Cummi	3084532	
2	Bushing	Casquilho	800041011	1	Cummi	3026188	
3	Shaft	Eixo	800038832	1	Cummi	3026166	
4	Lock plate	Freio	800038833	2	Cummi	3026233	
5	Thrust bearing	Rolamento axial	800039236	6	Cummi	3084899	
6	Plate	Placa	800038835	1	Cummi	3041038	
7	Screw	Parafuso	800038836	6	Cummi	3039398	
**8	Gear	Engrenagem	800038837	1	Cummi	3084533	
9	Bushing	Casquilho	800041012	1	Cummi	3026189	
10	Shaft	Eixo	800038841	1	Cummi	3026167	
*11	Gear	Engrenagem	800038842	1	Cummi	3038996	
12	Lock plate	Freio	800038845	1	Cummi	3882528	
13	Screw	Parafuso	800038846	3	Cummi	3882922	
14	Seal ring	Vedante	800038847	1	Cummi	3883510	
15	Spacer	Espaçador peça	800038848	1	Cummi	3882513	

***)Incl. parts 2–7
***)

**)Incl. parts 4.5.7.8–10
**)

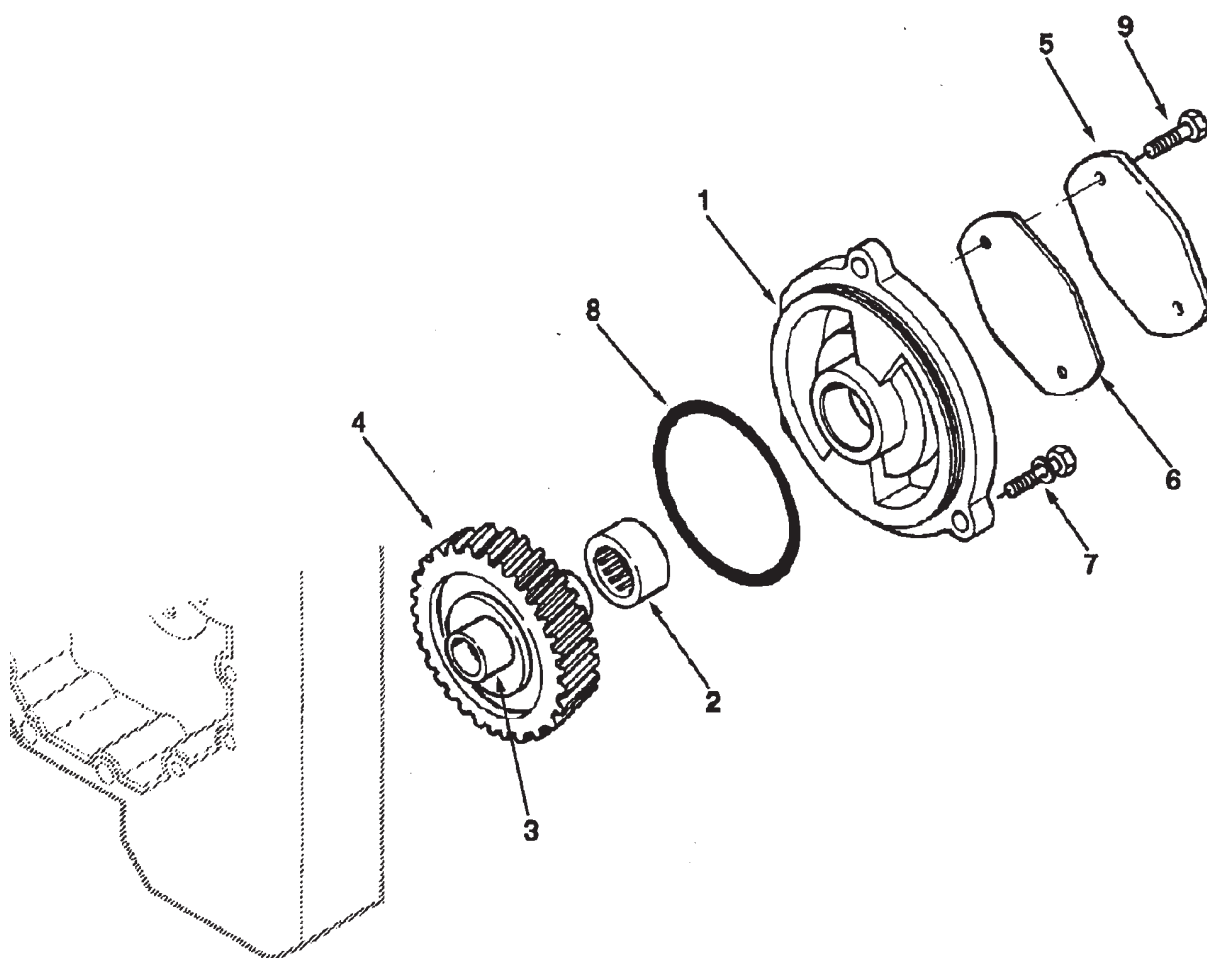
*)Incl. parts 5.9.10.12–15
*)

Page Página 34	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição Cover	☐	
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			Description Descrição Cover		Date Data 97-01-30	Module Módulo KV01-0101	Page Página 35
Item.	Description		Order no.	Qty	S	Notes	
1	Cover	Tampa	800040463	1		Cummi	3892697
2	Gasket	Junta	800039263	1		Cummi	3893964
3	Plug	Ficha	800040450	1		Cummi	3892666
4	Gasket	Junta	800040451	1		Cummi	3892794
5	Gasket	Junta	800040452	1		Cummi	3892083
6	Ring	Anel	800040453	1		Cummi	3892085
7	Seal ring	Vedante	800040454	1		Cummi	3895021
8	Gasket	Junta	800040455	1		Cummi	3892795
9	Gasket	Junta	800040456	1		Cummi	3892081
10	Ring	Anel	800040457	1		Cummi	3892086
11	Seal ring	Vedante	800040458	1		Cummi	3895023
12	Gasket	Junta	800040459	1		Cummi	3892796
13	Gasket	Junta	800040460	1		Cummi	3892082
14	Ring	Anel	800040461	1		Cummi	3892084
15	Screw+washer	Parafuso+porca	800040462	38		Cummi	3883217 M8X1.25X20

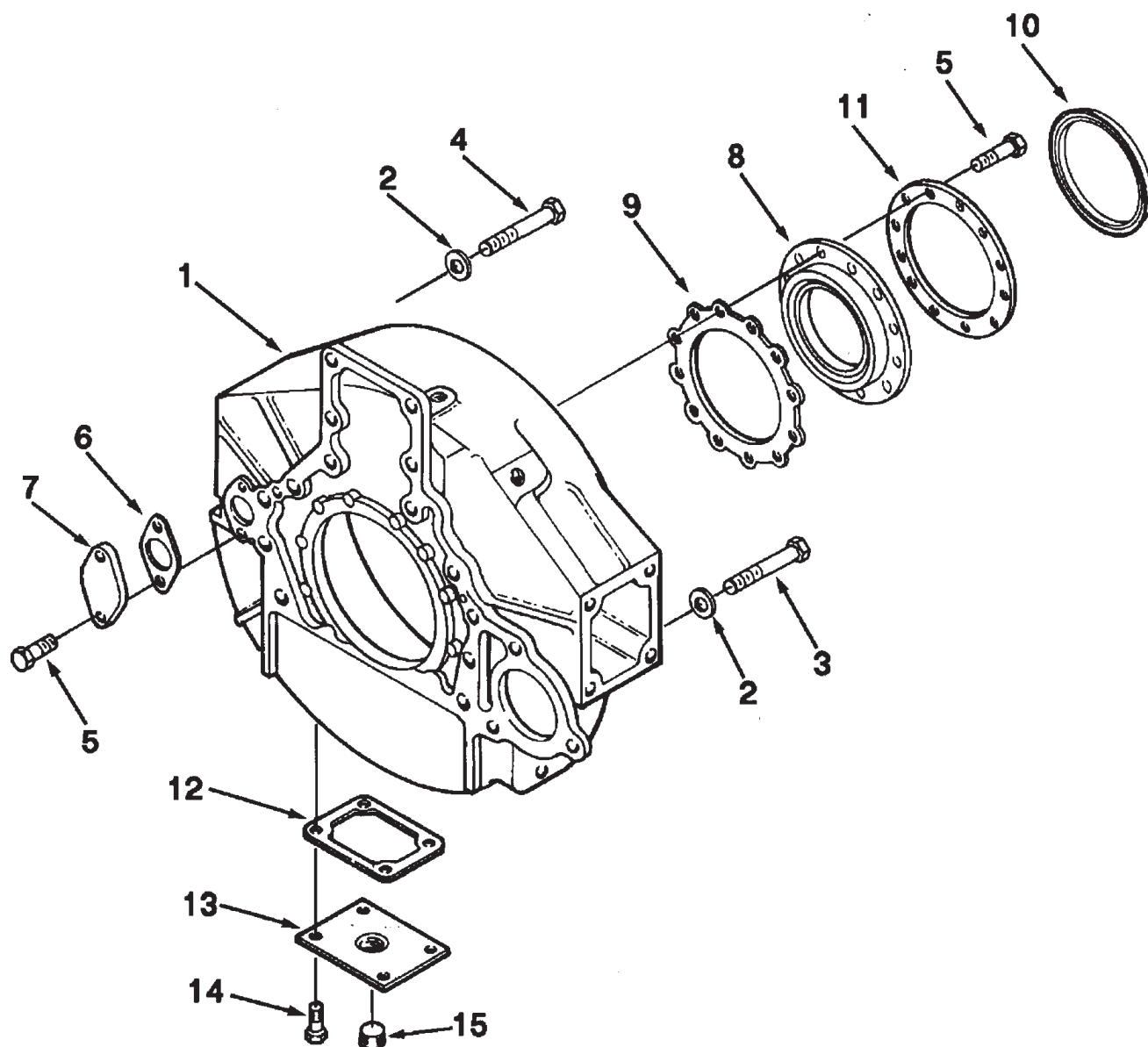
Page Página	Module Módulo	Date Data	Description Descrição	☐	
36	KV01-0101	97-02-05	Gear		



		Description Descrição Gear			Date Data 97-02-05	Module Módulo KV01-0101	Page Página 37
Item.	Description	Order no.	Qty	S	Notes		
*1	Support	Suporte	800040950	1	Cummi	3820754	
2	Needle bearing	Rolamento agulhas	800039190	1	Cummi	3025354	
3	Adapter		800040951	1	Cummi	3025321	
**4	Gear	Engrenagem	800040952	1	Cummi	3028421	
5	Plate	Placa	800033712	1	Cummi	204048	
6	Gasket	Junta	800040953	1	Cummi	3558515	
7	Screw	Parafuso	800038808	3	Cummi	3821846	
8	O-ring	O'ring	800040954	1	Cummi	3883042	
9	Screw	Parafuso	800038997	2	Cummi	3819521	

*)incl. part 2
*)

**)incl. part 3
**)

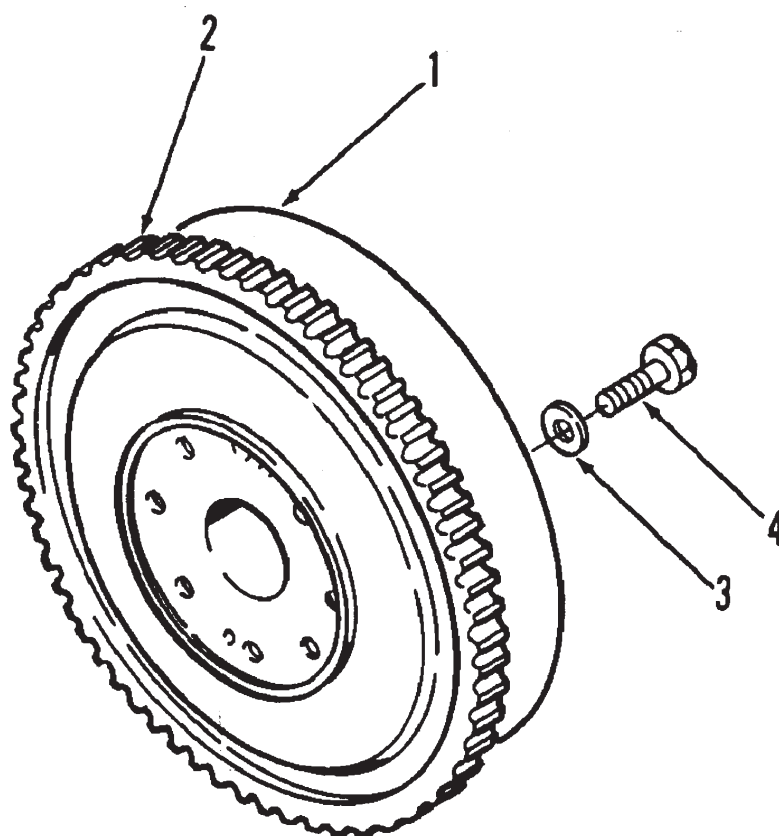


			☐			Date Data	Module Módulo	Page Página
Description Descrição			Flywheel housing			97-01-30	KV01-0101	39
Item.	Description		Order no.	Qty	S	Notes		
1	Flywheel housing	Caixa do volante	800038944	1		Cummi	3821684	
2	Washer	Anilha	800038945	14		Cummi	127316	
3	Screw	Parafuso	800038946	12		Cummi	3022148	
4	Screw	Parafuso	800038947	2		Cummi	3018006	
5	Screw	Parafuso	800038948	2		Cummi	3025802	
6	Gasket	Junta	800038949	1		Cummi	3026134	
7	Cover	Tampa	800038950	1		Cummi	3026135	
*8	Gasket set	Jogo juntas	800038951	1		Cummi	3803727	
10	Gasket	Junta	800040992	1		Cummi	3896346	
11	Ring	Anel	800040991	1		Cummi	3883622	
12	Gasket	Junta	800038952	1		Cummi	182459	
13	Cover	Tampa	800038953	1		Cummi	200685	
14	Screw	Parafuso	800038954	4		Cummi	3335044	
15	Plug	Ficha	800033612	1		Cummi	3008469	

*)incl. part 9

*)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
40	KV01-0101	97-01-30	Flywheel		

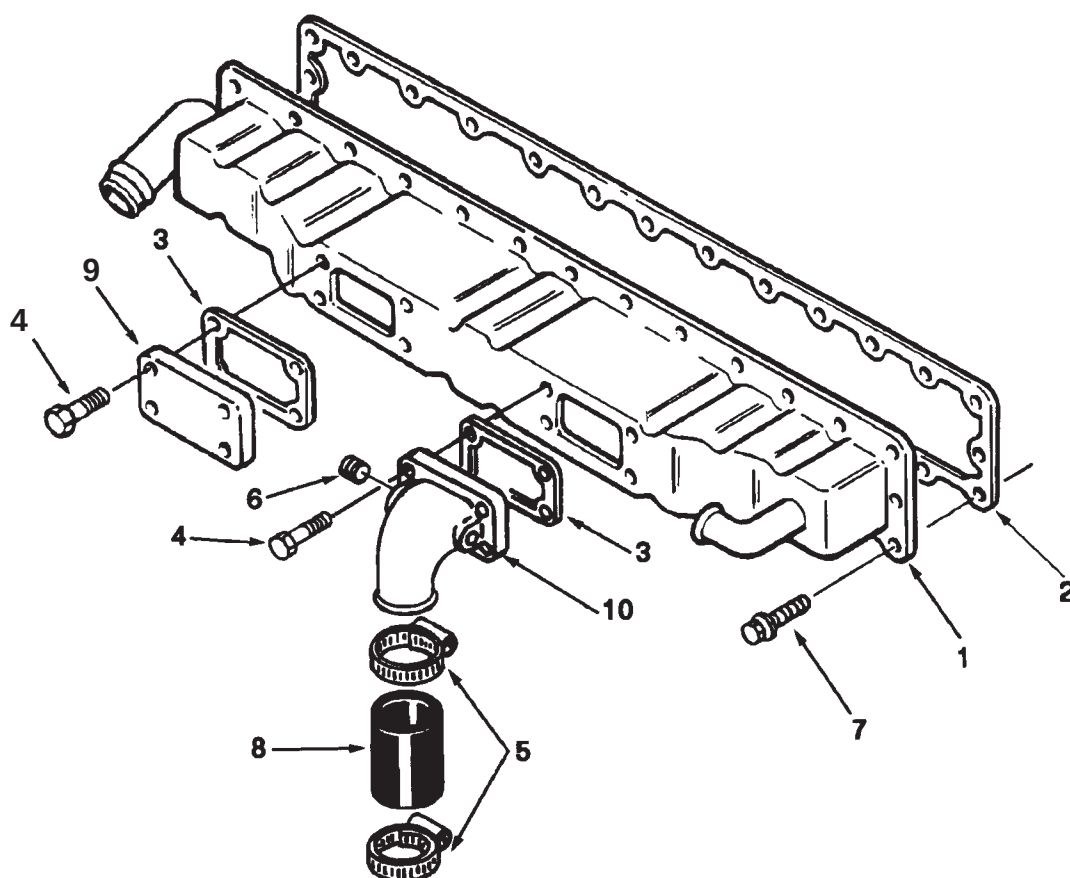


		Description Descrição Flywheel	☐		Date Data 97-01-30	Module Módulo KV01-0101	Page Página 41
Item.	Description	Order no.	Qty	S	Notes		

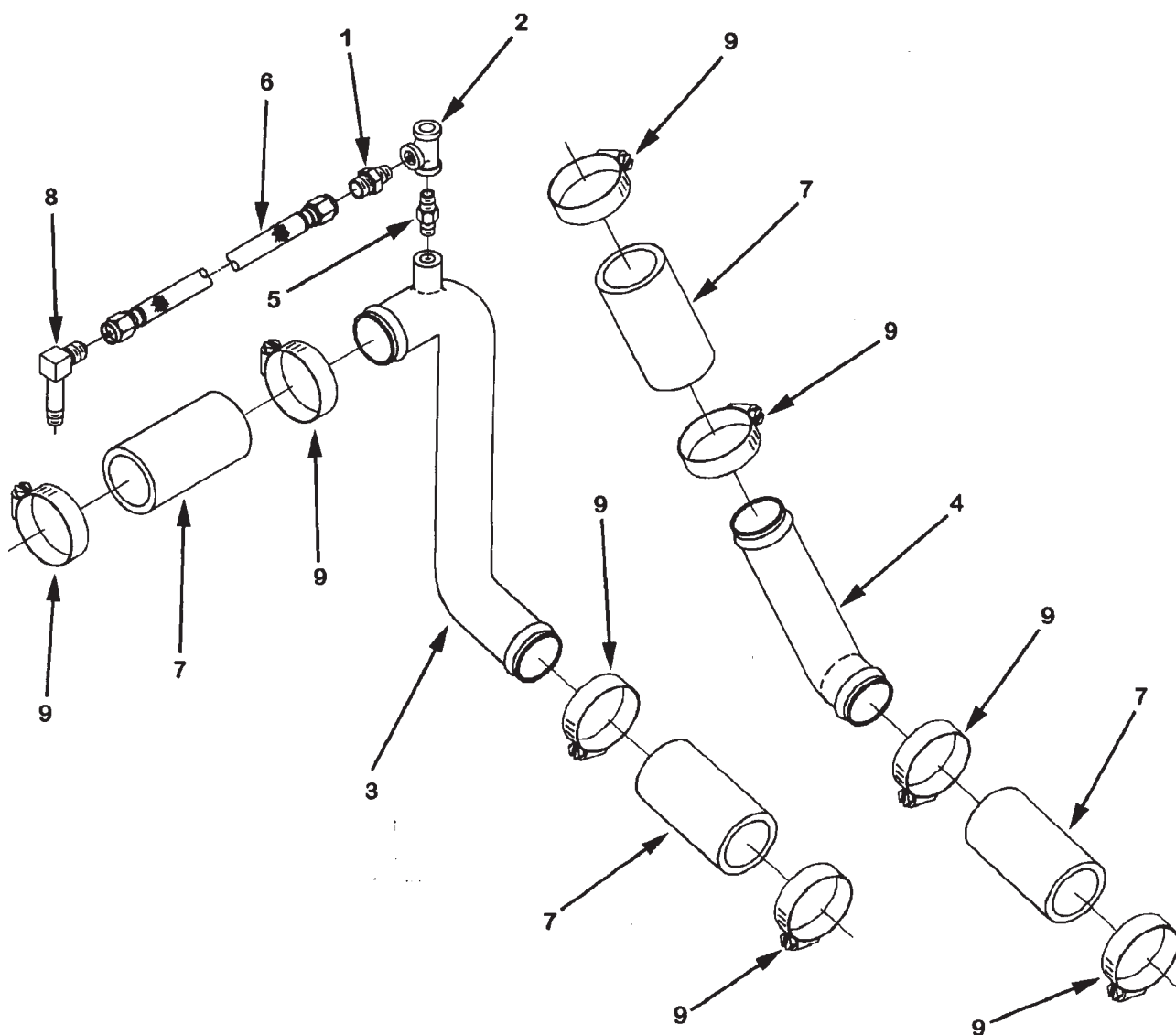
*1	Flywheel	Volante	800040955	1		Cummi	3898566
2	Gear rim	Cremalheira	800034398	1		Cummi	4851
3	Washer	Anilha	800040956	8		Cummi	3899664
4	Screw	Parafuso	800033961	8		Cummi	3009419

*)incl. part 2
*)

Page Página 42	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição After cooler	☐	
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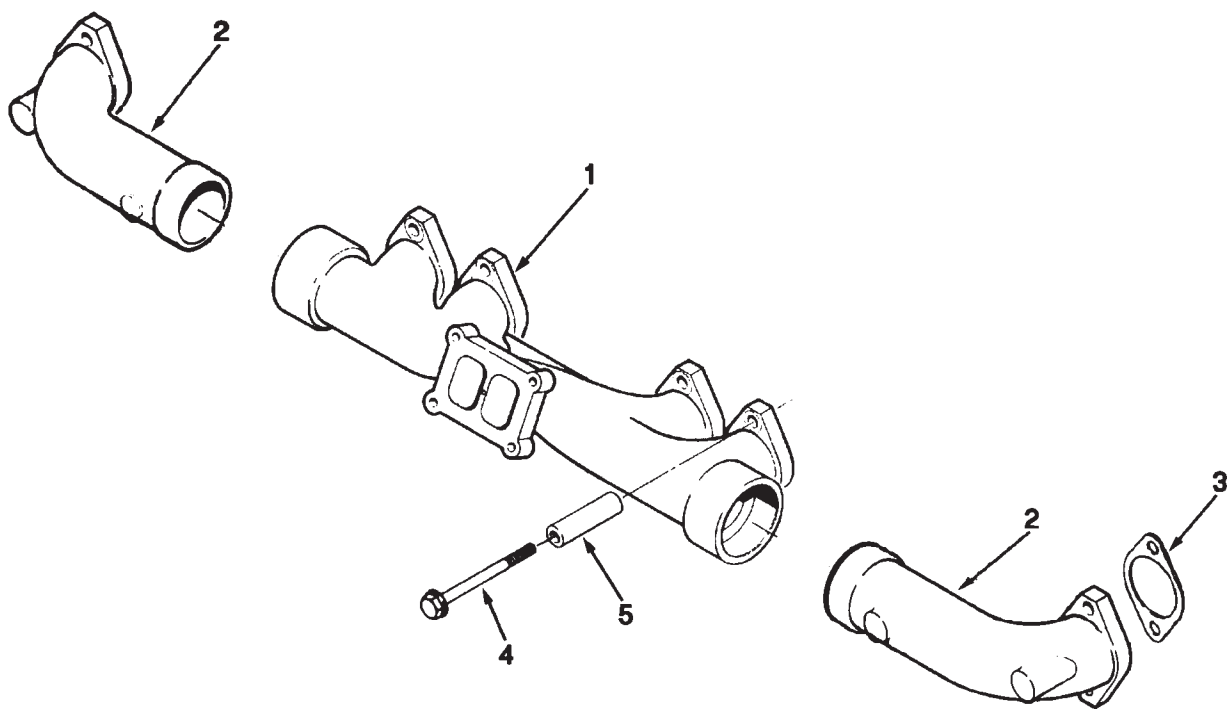


		Description Descrição After cooler			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 43
Item.	Description		Order no.	Qty	S	Notes		
1	Radiator	Radiador	800038993	1		Cummi	3801801	
2	Gasket	Junta	800039198	1		Cummi	3818843	
3	Gasket	Junta	800039199	2		Cummi	3818844	
4	Screw	Parafuso	800038994	4		Cummi	3820317	
5	Clamp	Abraçadeira	800038995	2		Cummi	3892347	
6	Plug	Ficha	800038996	2		Cummi	3031511	
7	Screw	Parafuso	800038997	22		Cummi	3819521	
8	Hose	Tubo	800038998	1		Cummi	3025152	
9	Plate	Placa	800039001	1		Cummi	3028384	
10	Connecting pipe	União	800040957	1		Cummi	3071336	



			Description Descrição		Date Data	Module Módulo	Page Página
			Aftercooler plumbing		97-01-30	KV01-0101	45
Item.	Description		Order no.	Qty	S	Notes	
1	Fitting	União	800038931	1		Cummi	68138
2	Union/T	União/T	800039106	1		Cummi	70802
3	Tube	Tubo	800040958	1		Cummi	3899396
4	Tube	Tubo	800039109	1		Cummi	3027449
5	Fitting	União	800039107	1		Cummi	3064941
6	Hose	Tubo	800039104	1		Cummi	3819787
7	Hose	Tubo	800039111	4		Cummi	3820666
8	Fitting	União	800039270	1		Cummi	3820804
9	Clamp	Abraçadeira	800039267	8		Cummi	3895734

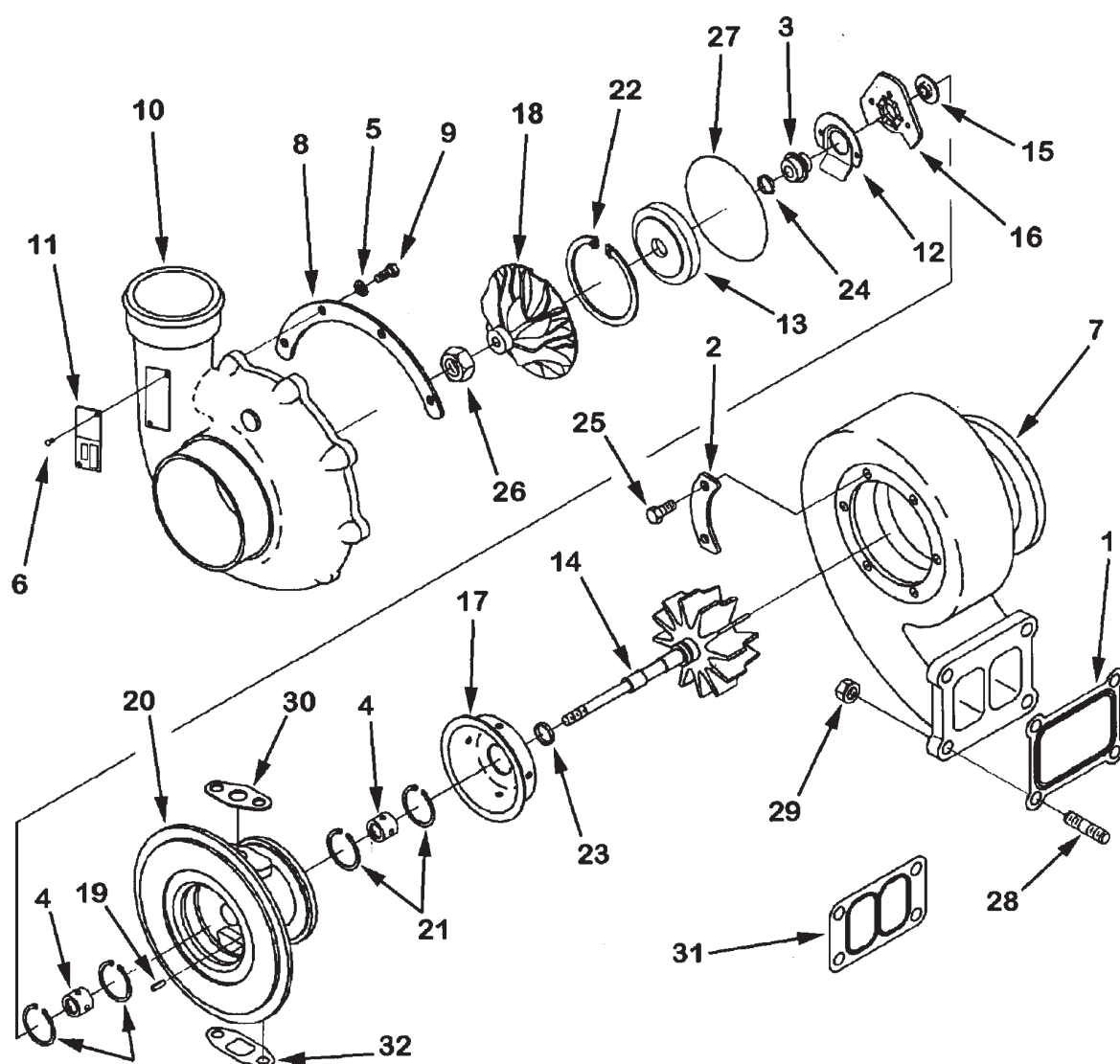
Page Página	Module Módulo	Date Data	Description Descrição	☐	
46	KV01-0101	97-01-31	Exhaust manifold		



		Description Descrição Exhaust manifold			Date Data 97-01-31	Module Módulo KV01-0101	Page Página 47
Item.	Description		Order no.	Qty	S	Notes	
1	Exhaust manifold	Colector de escape	800039269	1		Cummi	3896414
2	Exhaust manifold	Colector de escape	800039218	2		Cummi	3067406
3	Gasket	Junta	800039069	6		Cummi	3819760
4	Screw	Parafuso	800039243	12		Cummi	3818121
5	Spacer	Espaçador peça	800039244	12		Cummi	3818124

Page Página 48	Module Módulo KV01-0101	Date Data 99-10-22	Description Descrição Turbocharger	☐	
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1A



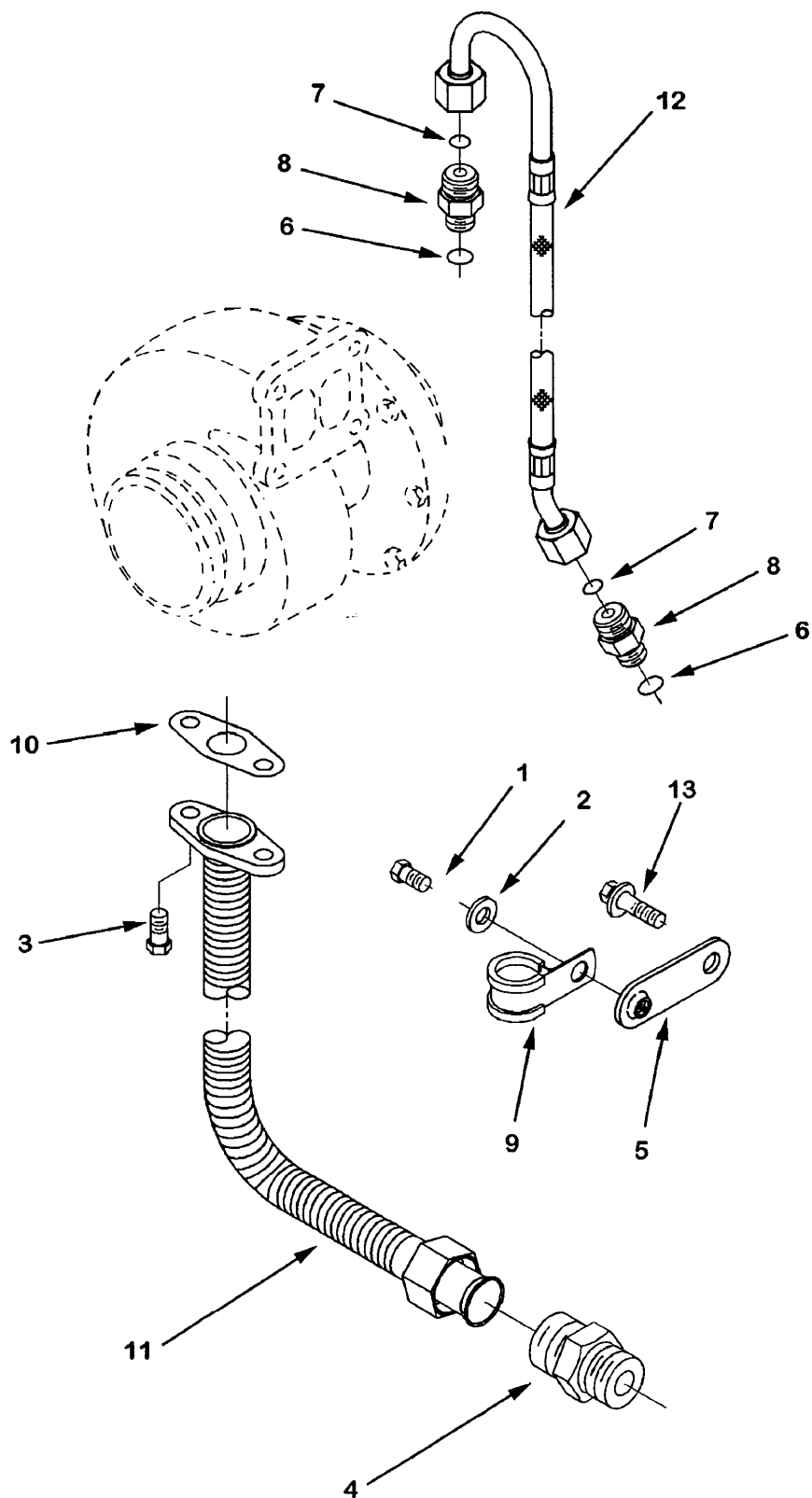
		Description Descrição Turbocharger			☐	Date Data 99-10-22	Module Módulo KV01-0101	Page Página 49
Item.	Description	Order no.	Qty	S	Notes			

*1A	Turbocharger	Turbo compressor	800042215	1		Cummi	3537245
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*) Compl.

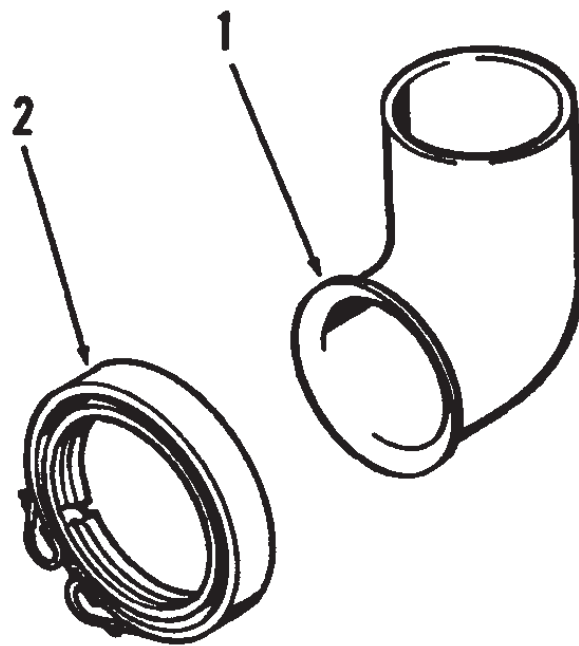
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Page Página 50	Module Módulo KV01-0101	Date Data 98-01-22	Description Descrição Turbocharger/Pipework	☐	
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			Description Descrição Turbocharger/Pipework		Date Data 98-01-22	Module Módulo KV01-0101	Page Página 51
Item.	Description		Order no.	Qty	S	Notes	
1	Screw	Parafuso	800034176	1		CUMMI	S-171-A
2	Washer	Anilha	800039130	1		CUMMI	3009329
3	Screw	Parafuso	800039089	2		CUMMI	3025802
4	Anilha	União	800039098	1		CUMMI	3819720
	Fitting	União					
	Anilha	União					
5	Support	Suporte	800041376	1		CUMMI	3883347
6	O-ring	O'ring	800038125	1		CUMMI	3037537
7	O-ring	O'ring	800041378	1		CUMMI	3922794
8	Anilha	União	800041379	1		CUMMI	3085824
	Fitting	União					
	Anilha	União					
9	O'ring	Clip	800039096	2		CUMMI	3892099
	O'ring	Grampo					
10	Gasket	Junta	800041380	1		CUMMI	3899343
11	Tube	Tubo	800041381	1		CUMMI	3899567
12	Hose	Tubo	800041382	1		CUMMI	3899849
13	Screw	Parafuso	800038823	1		CUMMI	3818060

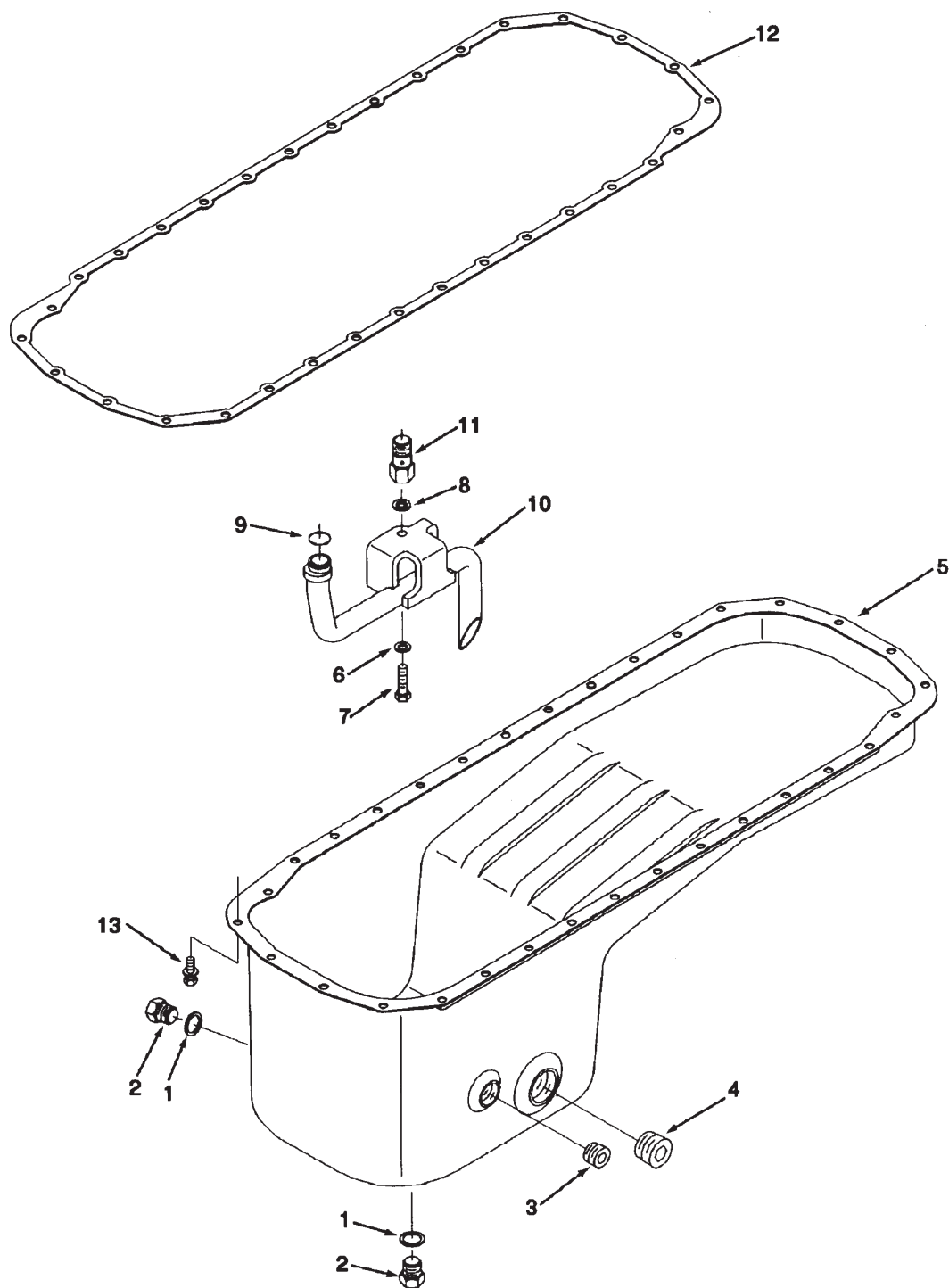
Page Página	Module Módulo	Date Data	Description Descrição	☐	
52	KV01-0101	97-01-31	Exhaust connector		



		Description Descrição Exhaust connector			☐	Date Data 97-01-31	Module Módulo KV01-0101	Page Página 53
Item.	Description		Order no.	Qty	S	Notes		

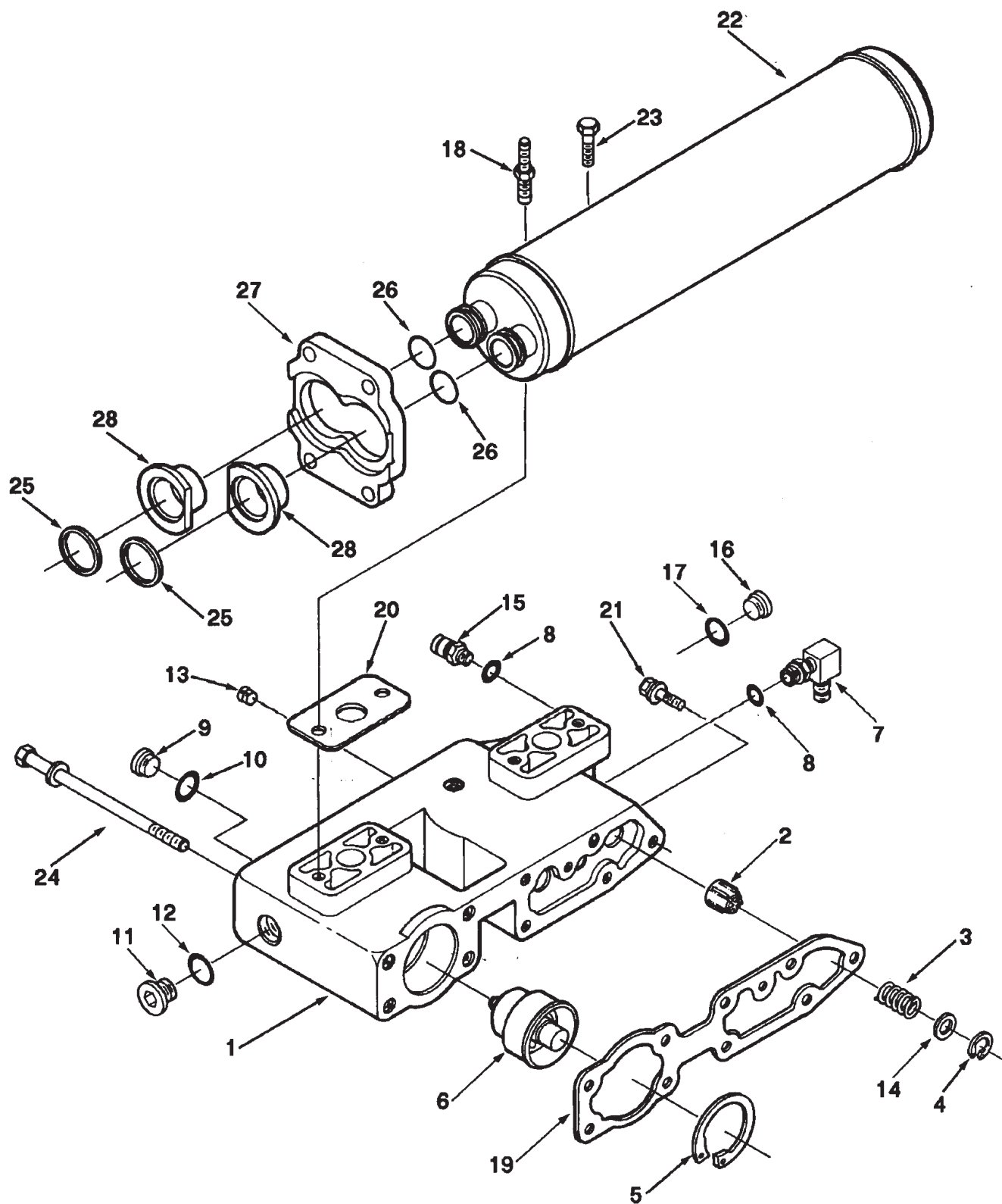
1	Connecting pipe	União	800039138	1		Cummi	200766	
2	Clamp	Abraçadeira	800040960	1		Cummi	3896337	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
54	KV01-0101	97-01-30	Oil sump		



			☐		Date Data	Module Módulo	Page Página
Description Descrição Oil sump					97-01-30	KV01-0101	55
Item.	Description		Order no.	Qty	S	Notes	
1	Washer	Anilha	800033980	2		Cummi	67946
2	Plug	Ficha	800037973	2		Cummi	3055069
3	Plug	Ficha	800038878	1		Cummi	3008468
4	Plug	Ficha	800039118	1		Cummi	3008470
5	Oil sump	Carterde óleo	800040961	1		Cummi	3896242
6	Washer	Anilha	800038885	1		Cummi	3009330
7	Screw	Parafuso	800040962	1		Cummi	3254405
8	Retainer	Retentor	800040963	1		Cummi	3896022
9	O-ring	O'ring	800039052	2		Cummi	3032787
10	Tube	Tubo	800040964	1		Cummi	3895713
11	Plug	Ficha	800039118	1		Cummi	3008470
12	Gasket	Junta	800039051	1		Cummi	3882733
13	Screw	Parafuso	800040965	32		Cummi	3896723

Page Página	Module Módulo	Date Data	Description Descrição		
56	KV01-0101	97-01-31	Oilcooler		

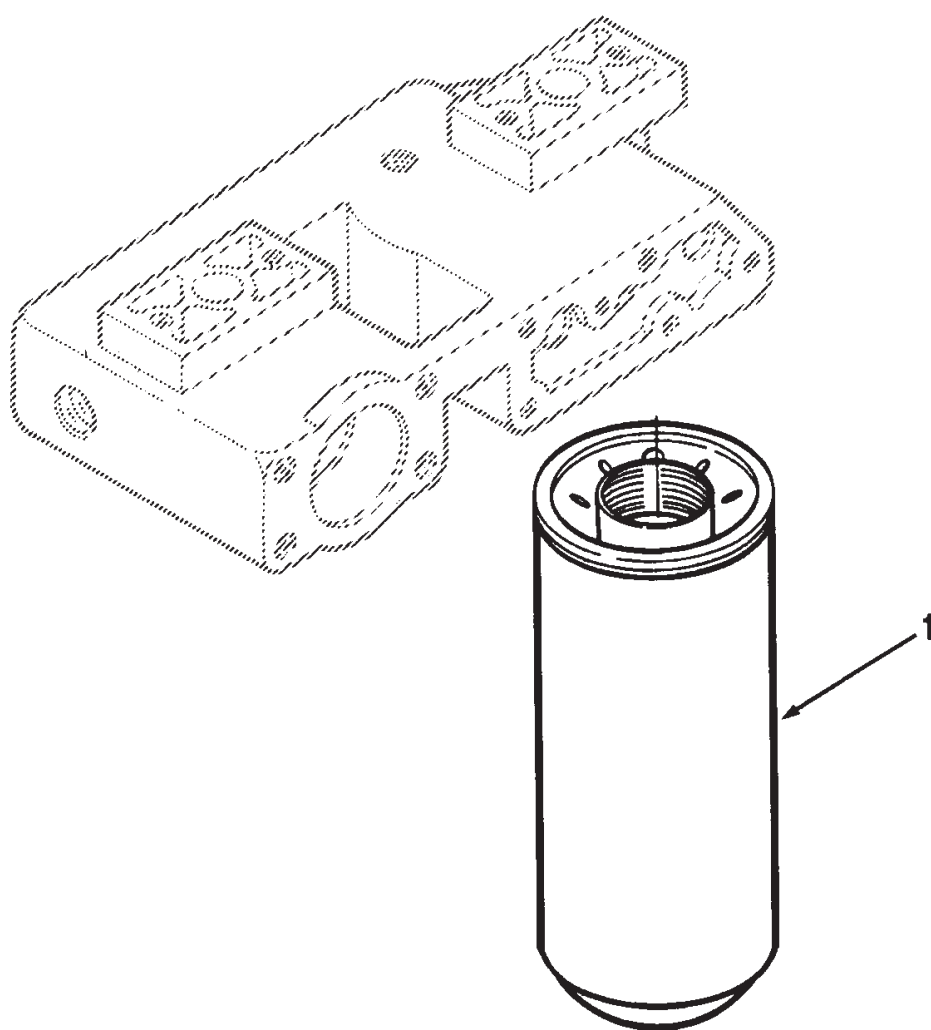


			☐		Date Data	Module Módulo	Page Página
Description Descrição Oilcooler					97-01-31	KV01-0101	57
Item.	Description		Order no.	Qty	S	Notes	
*1	Filter mount.	Suporte do filtro	800041013	1		Cummi	3895946
2	Valve	Valvula	800039246	1		Cummi	3820320
3	Spring	Mola	800039248	1		Cummi	3882586
4	Circlip	Freio	800041014	1		Cummi	3820631
5	Circlip	Freio	800041015	1		Cummi	3820782
6	Thermostat	Termostato	800039213	1		Cummi	3059408
7	Fitting	União	800041070	1		Cummi	3037537
9	Plug	Ficha	800041017	1		Cummi	3046202
10	Seal ring	Vedante	800041018	1		Cummi	3046201
12	Seal ring	Vedante	800041019	1		Cummi	3040817
11	Plug	Ficha	800041020	1		Cummi	3040815
13	Plug	Ficha	800041021	1		Cummi	3008466
14	Plug	Ficha	800041022	1		Cummi	3882585
15	Fitting	União	800041023	1		Cummi	3042619
16	Plug	Ficha	800041024	1		Cummi	3202101
17	Seal ring	Vedante	800041025	1		Cummi	3046943
18	Screw	Parafuso	800038985	2		Cummi	3883394
19	Gasket	Junta	800038987	1		Cummi	3820629
20	Gasket	Junta	800038988	2		Cummi	3892625
21	Screw	Parafuso	800038989	3		Cummi	3819448
22	Oil cooler	Radiador de oleo	800039247	1		Cummi	3081359
23	Screw	Parafuso	800038922	6		Cummi	3034836
24	Screw	Parafuso	800041026	6		Cummi	3892106
25	Seal ring	Vedante	800041027	1		Cummi	3080769
26	O-ring	O'ring	800041028	2		Cummi	109080
27	Retainer	Retentor	800041029	1		Cummi	3080400
28	Adapter		800041030	2		Cummi	3080401

*)Incl. parts 1-17

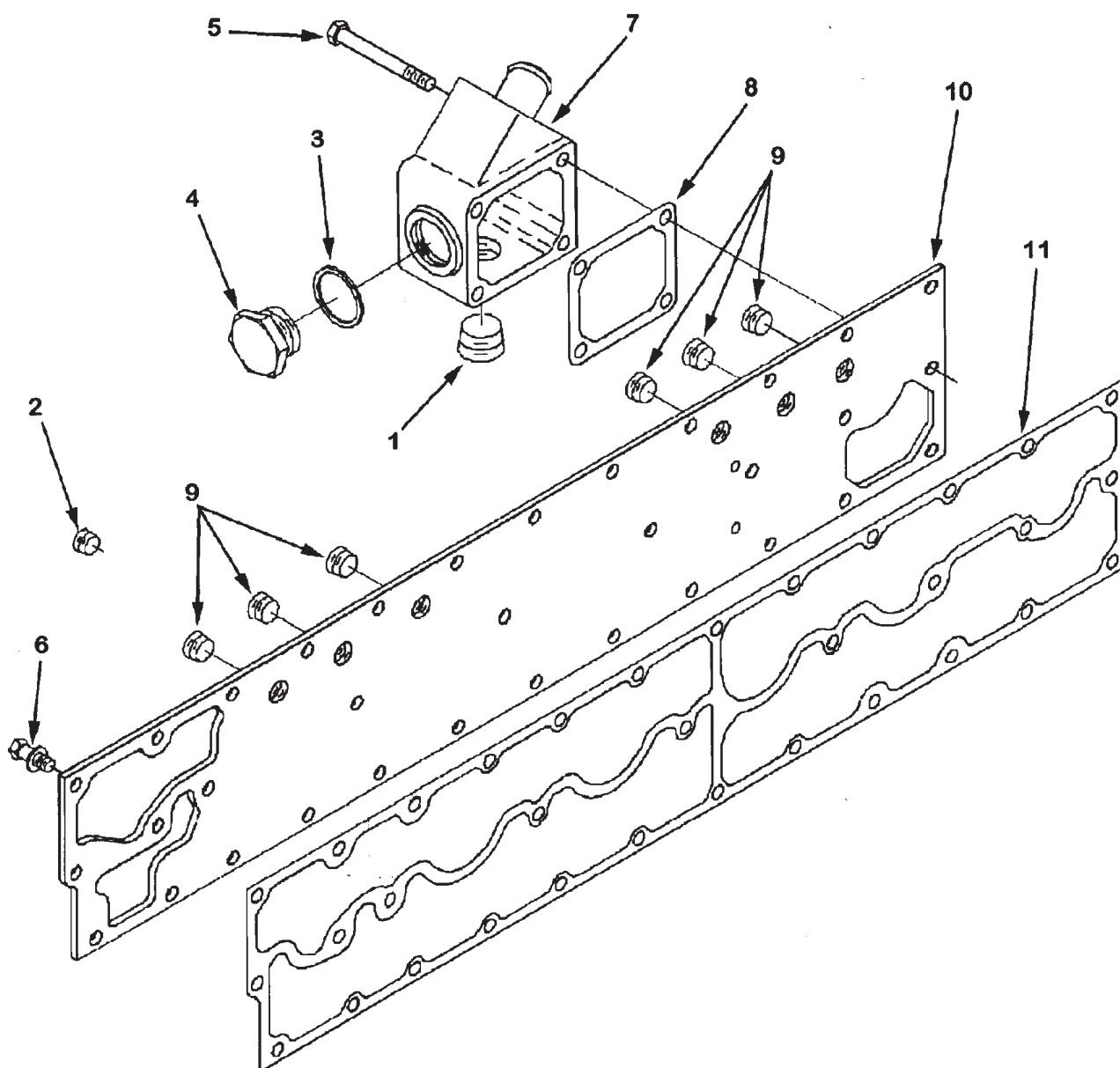
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Page Página	Module Módulo	Date Data	Description Descrição		
58	KV01-0101	00-05-10	Oil filter		



		Description Descrição Oil filter			☐	Date Data 00-05-10	Module Módulo KV01-0101	Page Página 59
Item.	Description		Order no.	Qty	S	Notes		
1	Oil filter	Filtro de óleo	807201927	1		Fleetg	LF9009	

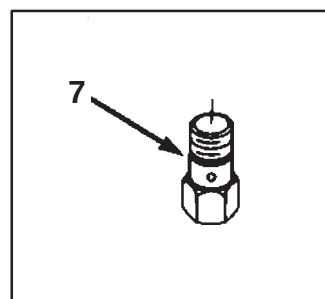
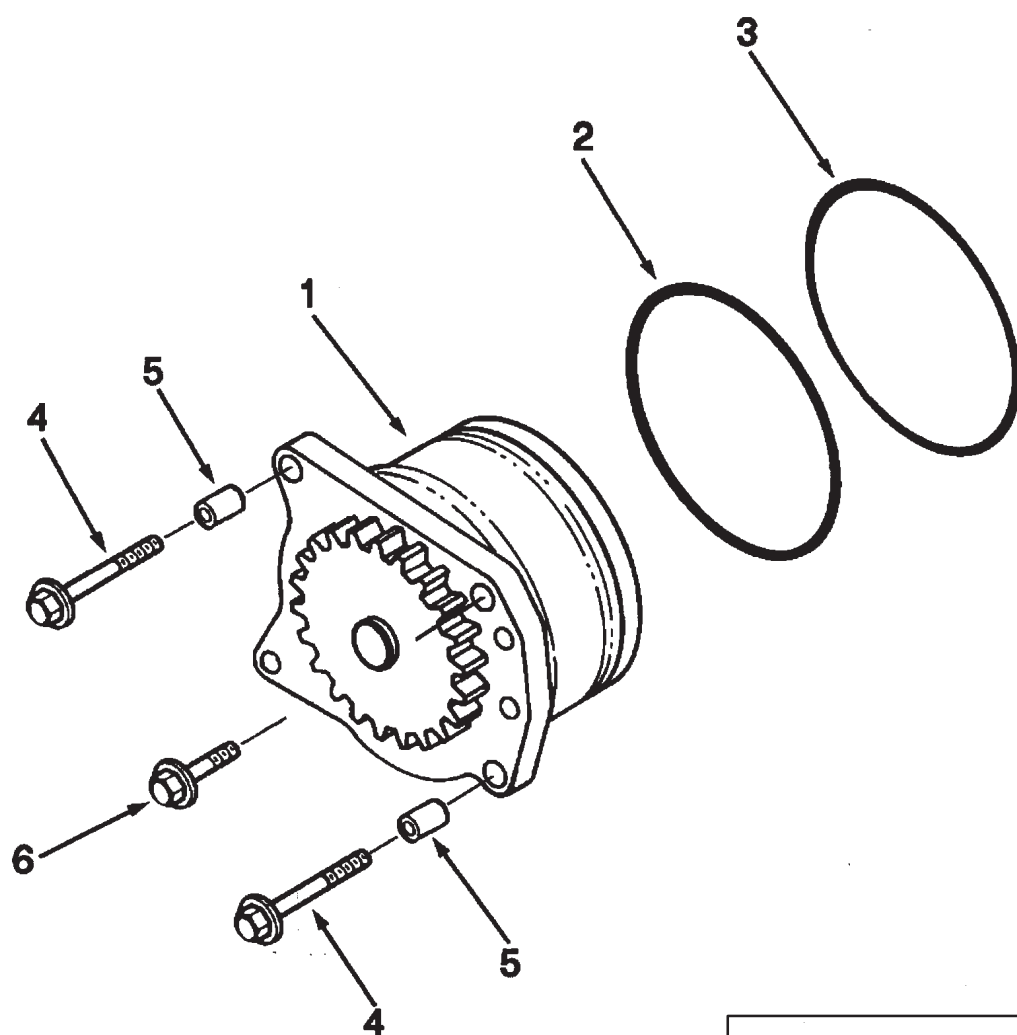
Page Página 60	Module Módulo KV01-0101	Date Data 97-02-03	Description Descrição Plumbing for oil cooler	☐	
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			Description Descrição		Date Data	Module Módulo	Page Página
			Plumbing for oil cooler		97-02-03	KV01-0101	61
Item.	Description		Order no.	Qty	S	Notes	
1	Plug	Ficha	800039118	1		Cummi	3008470
2	Plug	Ficha	800038887	1		Cummi	3013786
3	Washer	Anilha	800039120	1		Cummi	3026156
4	Plug	Ficha	800039121	1		Cummi	3026195
5	Screw	Parafuso	800040966	4		Cummi	3081348
6	Screw	Parafuso	800038823	18		Cummi	3818060
7	Housing	Caixa	800039125	1		Cummi	3821853
8	Gasket	Junta	800040967	1		Cummi	3893690
9	Plug	Ficha	800038878	6		Cummi	3008468
*10	Plate	Placa	800040968	1		Cummi	3895736
11	Gasket	Junta	800040969	1		Cummi	3899229

*)incl. part 9
*)

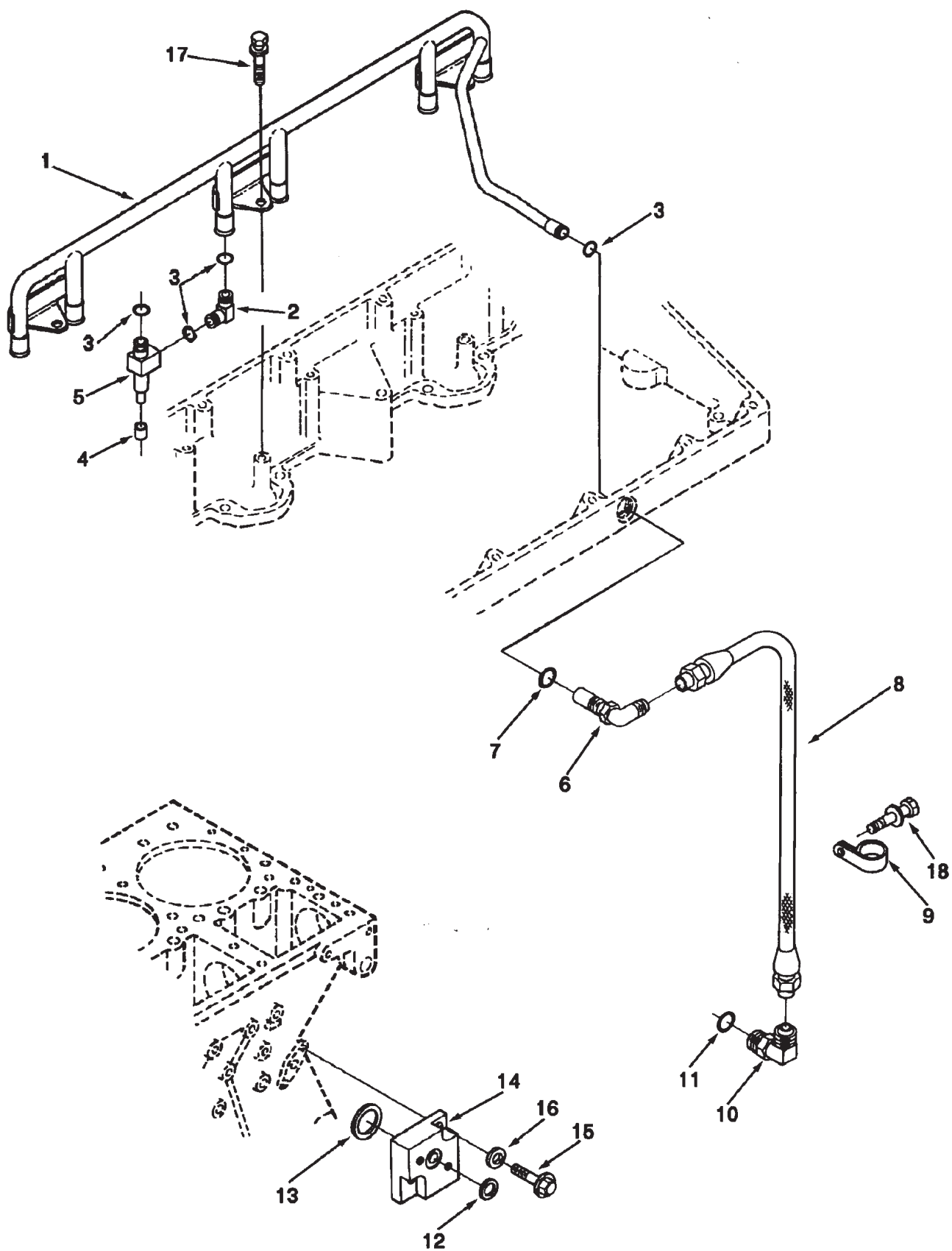
Page Página 62	Module Módulo KV01-0101	Date Data 97-02-03	Description Descrição Oil pump	☐	
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		Description Descrição Oil pump			Date Data 97-02-03	Module Módulo KV01-0101	Page Página 63
Item.	Description		Order no.	Qty	S	Notes	
*1a	Oil pump	Bomba de óleo	800040970	1		Cummi	3895756
2	O-ring	O'ring	800039206	1		Cummi	3033248
3	O-ring	O'ring	800039205	1		Cummi	3033247
4	Screw	Parafuso	800040971	2		Cummi	3895438
5	Spacer	Espaçador peça	800040972	2		Cummi	3895439
6	Screw	Parafuso	800040973	1		Cummi	3895440
7	Plug	Ficha	800039063	1		Cummi	3895718

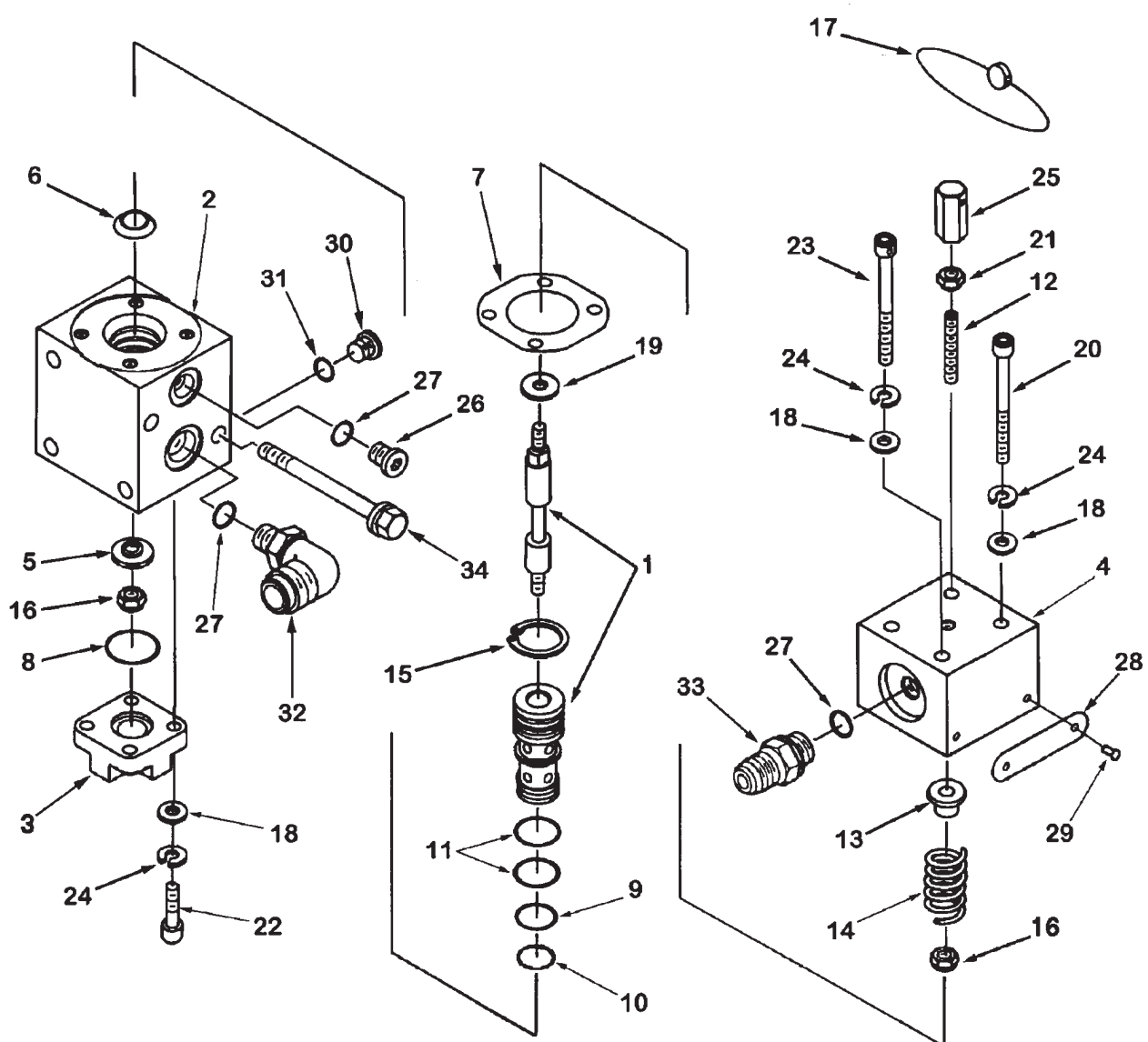
*)Incl. parts 1-11

*)



			☐		Date Data	Module Módulo	Page Página
Description Descrição Pipework					97-03-26	KV01-0101	65
Item.	Description		Order no.	Qty	S	Notes	
1	Tube	Tubo	800041166	1		Cummi	3899910
2	Fitting	União	800041032	1		Cummi	3882587
3	O-ring	O'ring	800041033	3		Cummi	3882589
4	Seal ring	Vedante	800041034	1		Cummi	3050867
5	Fitting	União	800041035	1		Cummi	3882588
6	Fitting	União	800041036	1		Cummi	3882913
7	O-ring	O'ring	800041019	1		Cummi	3040817
8	Hose	Tubo	800041038	1		Cummi	3883446
9	Clip	Grampo	800041039	1		Cummi	3821556
10	Valve	Valvula	800041040	1		Cummi	3896027
11	O-ring	O'ring	800041041	1		Cummi	3037537
12	Seal ring	Vedante	800041167	1		Cummi	3328463
13	Seal ring	Vedante	800041168	1		Cummi	3328464
14	Adapter		800041044	1		Cummi	3070130
15	Screw	Parafuso	800041045	2		Cummi	3900630
16	Washer	Anilha	800041046	2		Cummi	3009329
17	Screw	Parafuso	800041047	3		Cummi	3821783
18	Screw	Parafuso	800041048	1		Cummi	3818060

1A

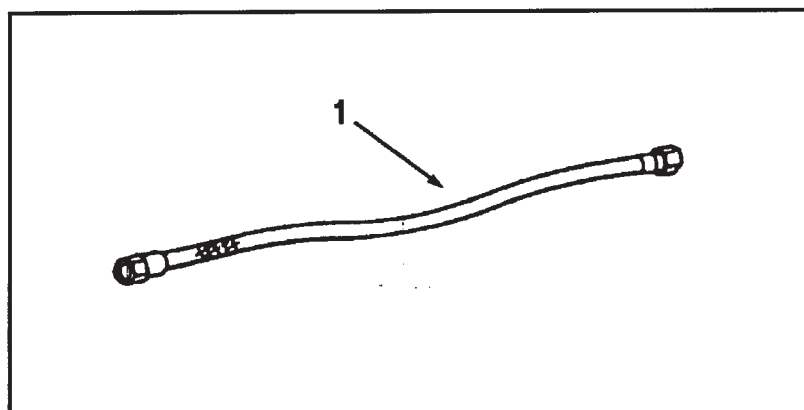
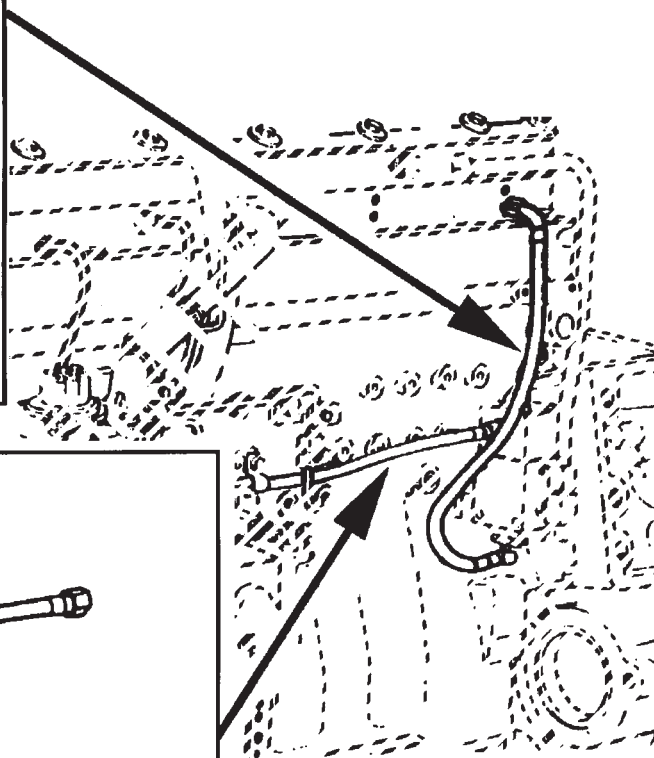
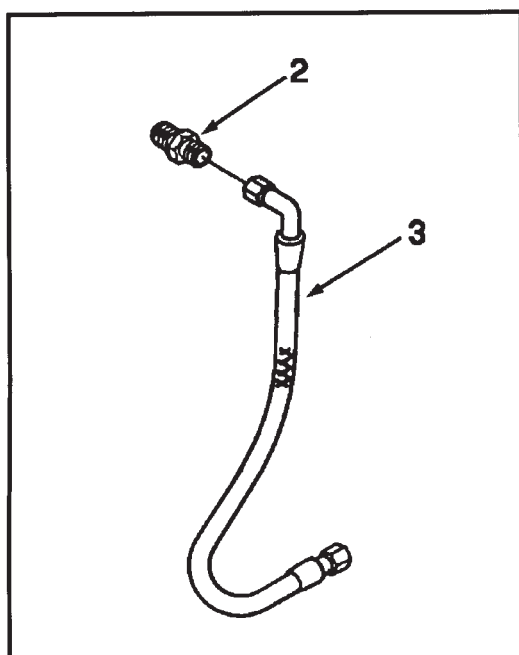


		Description Descrição Valve			☐	Date Data 97-02-03	Module Módulo KV01-0101	Page Página 67
Item.	Description		Order no.	Qty	S	Notes		
1A	Valve compl.	Válvula compl.	800041049	1		Cummi	3090731	
32	Fitting	União	800042228	1		Cummi	3037662	
*	Repair kit	Jogo de reparação	800041050	1		Cummi	3803282	

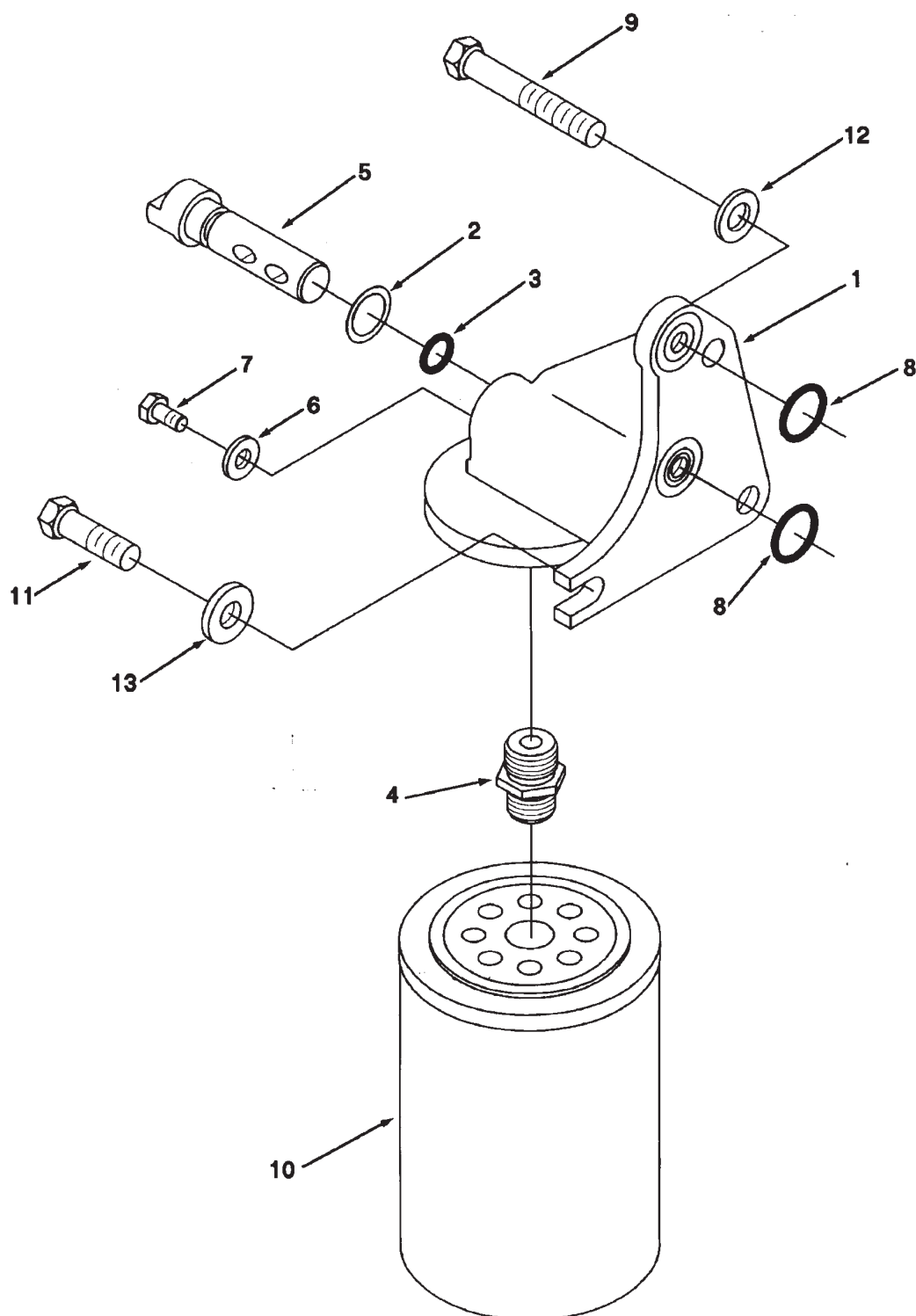
*)Incl. parts 5.7–11.14.17.19.22.27.31.27

*)

Page Página 68	Module Módulo KV01-0101	Date Data 97-02-03	Description Descrição Hoses	☐	
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		Description Descrição Hoses			☐	Date Data 97-02-03	Module Módulo KV01-0101	Page Página 69
Item.	Description		Order no.	Qty	S	Notes		
1	Hose	Tubo	800041051	1		Cummi	3892420	
2	Fitting	União	800041052	1		Cummi	68138	
3	Hose	Tubo	800041053	1		Cummi	3071583	

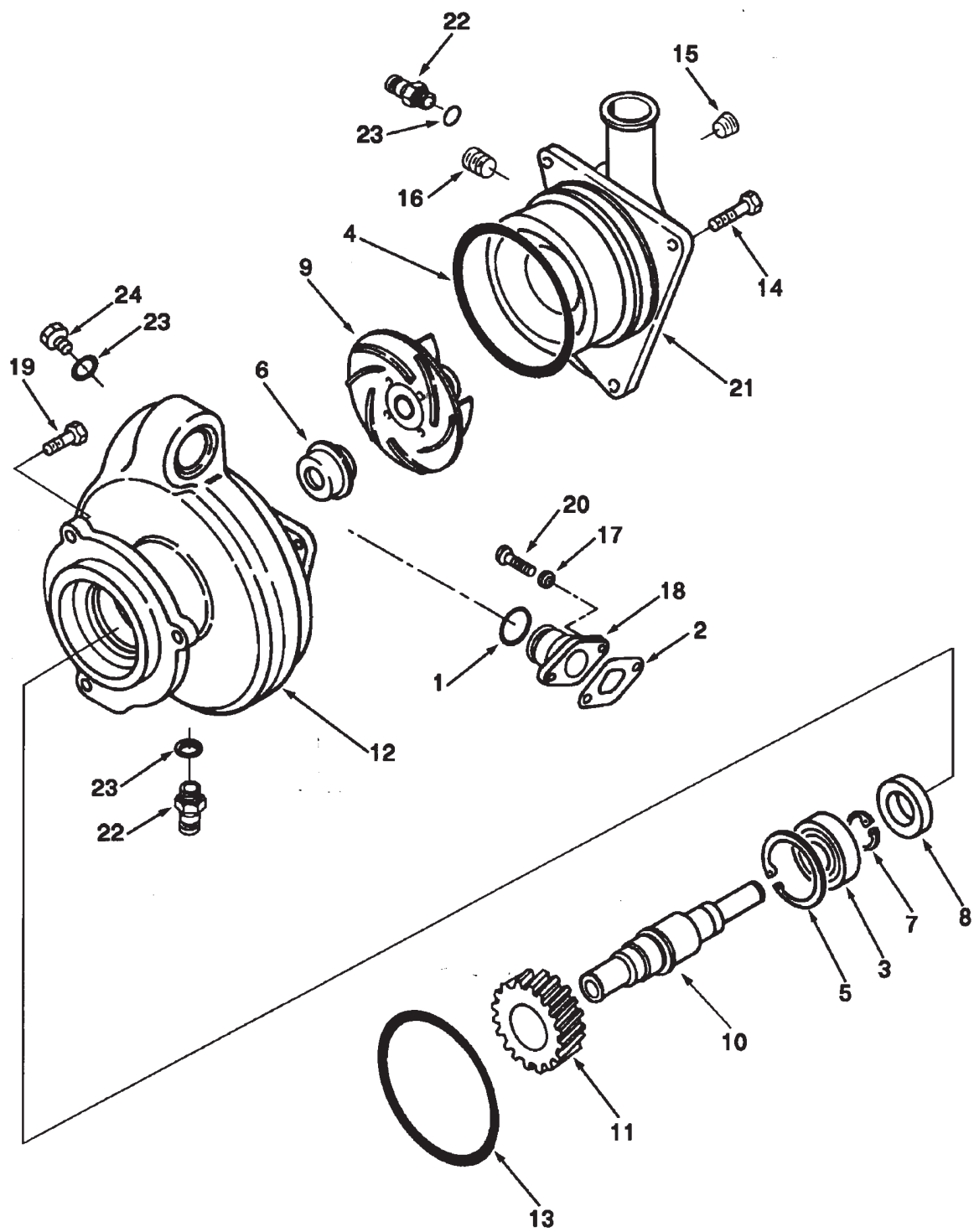


		Description Descrição Water filter			☐	Date Data 97-02-03	Module Módulo KV01-0101	Page Página 71
Item.	Description		Order no.	Qty	S	Notes		
*1	Housing	Caixa	800039113	1		Cummi	3819767	
8	O-ring	O'ring	800039114	2		Cummi	3819751	
9	Screw	Parafuso	800039115	1		Cummi	3017499	
10	Filter	Filtro	800039116	1		Cummi	3316053	
11	Screw	Parafuso	800038808	2		Cummi	3821846	
12	Washer	Anilha	800038885	1		Cummi	3009330	

*)Incl. parts 1-7

*)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
72	KV01-0101	97-02-04	Water pump		



		Description Descrição Water pump			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 73
Item.	Description	Order no.	Qty	S	Notes			
*1	Water pump compl. Bomba de água, compl.	800039127	1		Cummi	3803403		
15	Plug Ficha	800038878	1		Cummi	3008468		
16	Plug Ficha	800039118	1		Cummi	3008470		
17	Washer Anilha	800039130	2		Cummi	3009329		
18	Fitting União	800039131	1		Cummi	3821718		
19	Screw Parafuso	800038922	3		Cummi	3034836		
20	Screw Parafuso	800039133	2		Cummi	3820831		
21	Cover Tampa	800040974	1		Cummi	3073695		
22	Fitting União	800039135	1		Cummi	3042619		
24	Plug Ficha	800038880	1		Cummi	3037536		
**	Repair kit Jogo de reparação	800039137	1		Cummi	3803261		

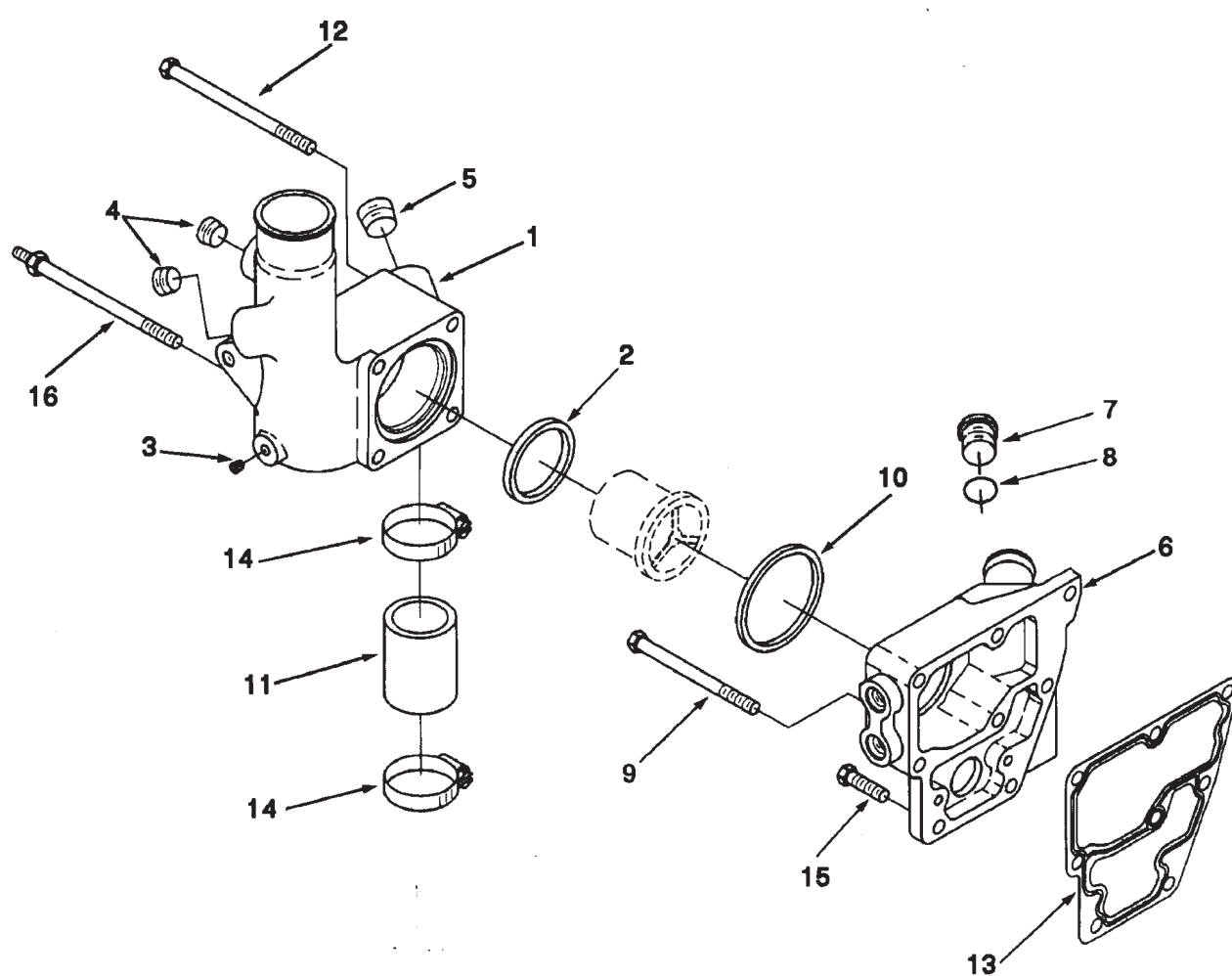
*)Incl. parts 1-14

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**)Incl. parts 3-9,13

**)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
74	KV01-0101	97-02-04	Thermostat housing		

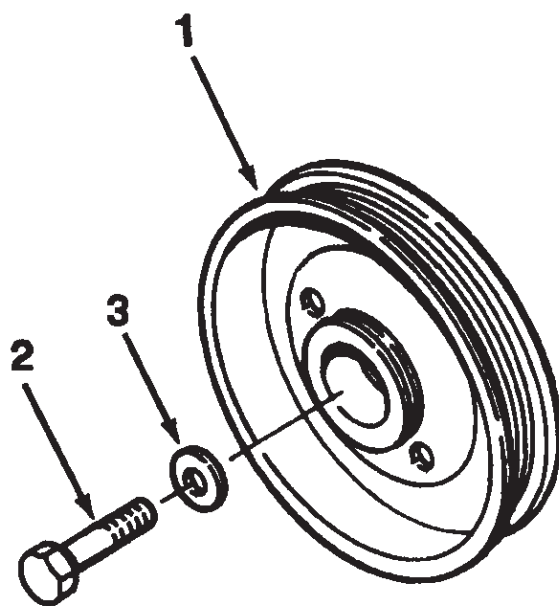


		Description Descrição Thermostat housing			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 75
Item.	Description	Order no.	Qty	S	Notes			
*1	Thermostathousing	Caixa do termostato	800040975	1		Cummi	3895455	
2	Seal ring	Vedante	800034116	1		Cummi	186780	
6	Support	Suporte	800040976	1		Cummi	3076794	
7	Plug	Ficha	800038880	1		Cummi	3037536	
8	O-ring	O'ring	800038125			Cummi	3037537	
9	Screw	Parafuso	800039078	2		Cummi	3022502	
10	Seal ring	Vedante	800040977	1		Cummi	3080770	
11	Hose	Tubo	800039077	1		Cummi	3820667	
12	Screw	Parafuso	800040978	2		Cummi	3081347	
13	Gasket	Junta	800040979	1		Cummi	3893692	
14	Clamp	Abraçadeira	800039081	2		Cummi	3008690	
15	Screw	Parafuso	800038916	3		Cummi	3820988	
16	Screw	Parafuso	800040980	3		Cummi	3081350	

*)Incl. parts 1-5

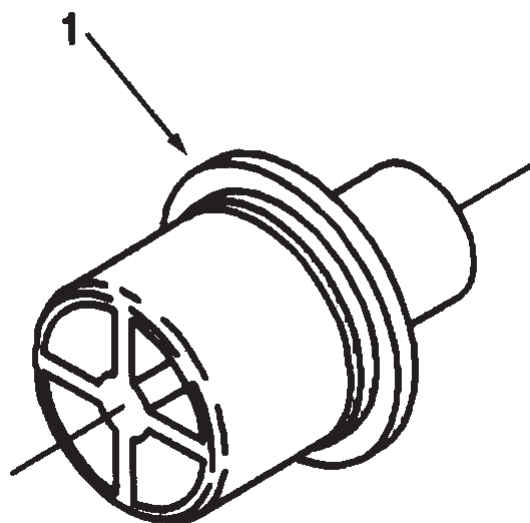
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Page Página	Module Módulo	Date Data	Description Descrição	☐	
76	KV01-0101	97-02-05	Belt pulley		



		Description Descrição Belt pulley			☐	Date Data 97-02-05	Module Módulo KV01-0101	Page Página 77
Item.	Description		Order no.	Qty	S	Notes		
1	Belt pulley	Polia	800038776	1		Cummi	3883324	
2	Screw	Parafuso	800038777	1		Cummi	3018671	
3	Washer	Anilha	800038778	1		Cummi	3041247	

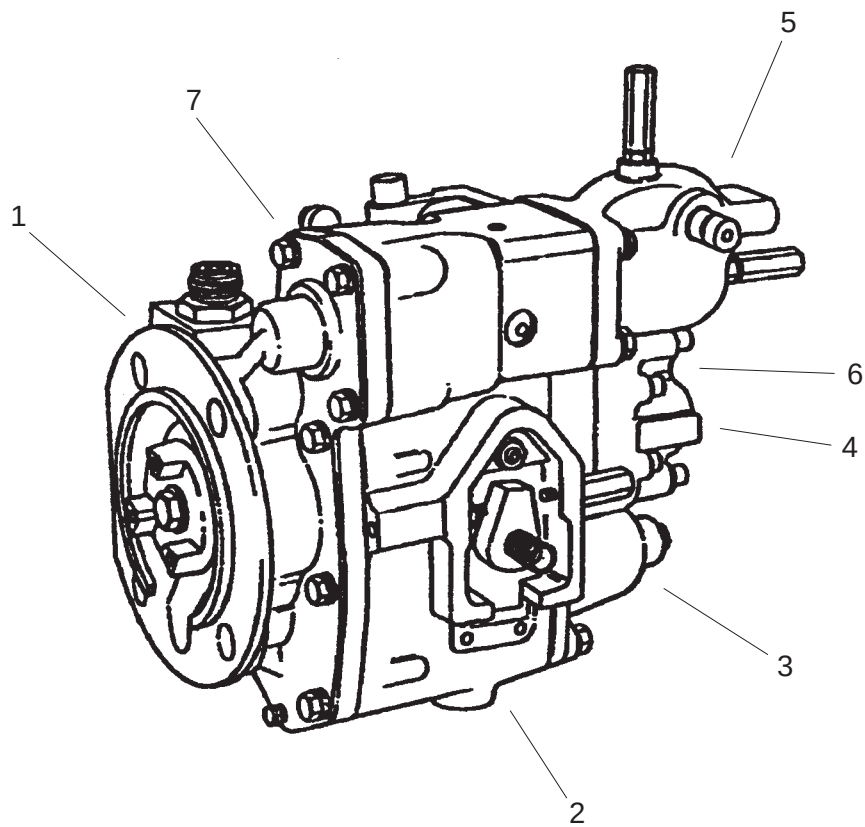
Page Página 78	Module Módulo KV01-0101	Date Data 97-02-04	Description Descrição Thermostat	☐	
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		Description Descrição Thermostat			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 79
Item.	Description		Order no.	Qty	S	Notes		
1	Thermostat	Termostato	800038897	1		Cummi	3076489	

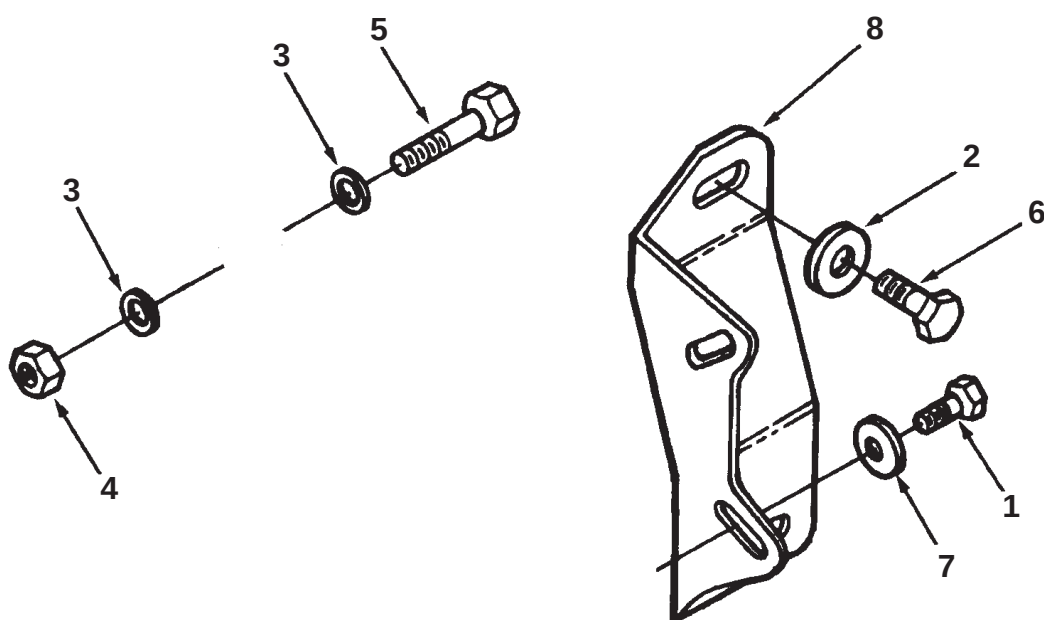
Page Página	Module Módulo	Date Data	Description Descrição	☐	
80	KV01-0101	97-02-04	Injection pump		

1A



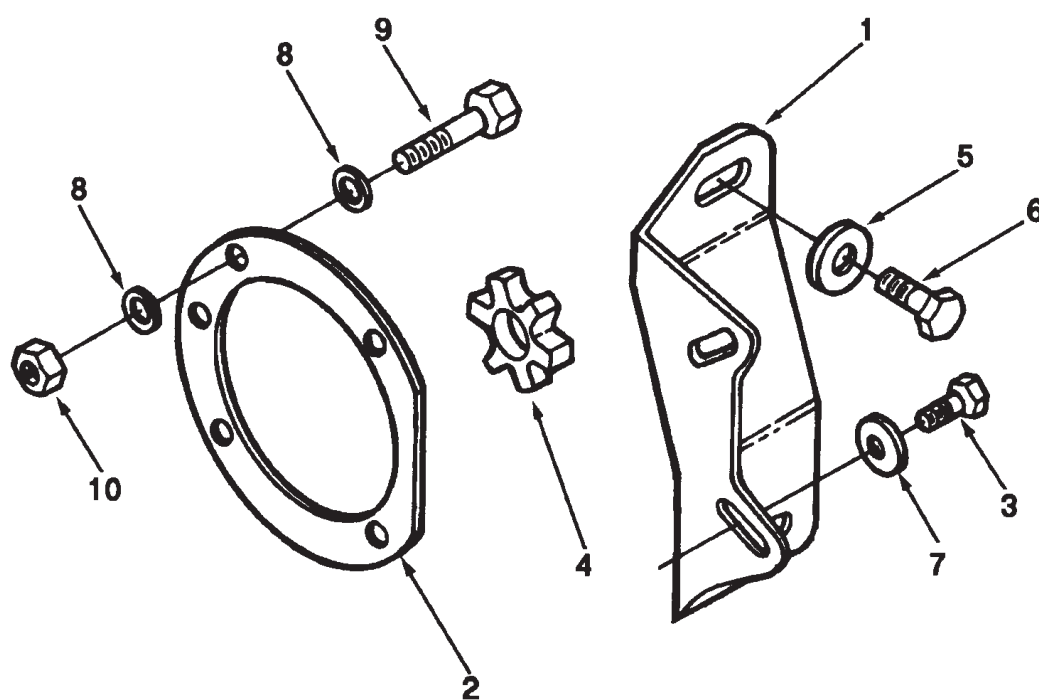
		Description Descrição Injection pump			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 81
Item.	Description		Order no.	Qty	S	Notes		
1A	Injection pump	Bomba injectora	800039254	1		Cummi	3883776	
1	Cover	Tampa	800034230	1		Cummi	3030274	
2	Housing	Caixa	800040537	1		Cummi	3069255	
3	Spring pack	Pacote de molas	800040538	1		Cummi	3021977	
4	Bearing,assy.	Rolamento, montado	800041411	1		Cummi	3034243	
5	Spring pack	Pacote de molas	800040540	1		Cummi	3020523	
6	Damper	Batente amortecedor	800040541	1		Cummi	BM76340	
7	Shim	Anilha	800040735	1		Cummi	3070751	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
82	KV01-0101	97-02-04	Fuel pump mount.		

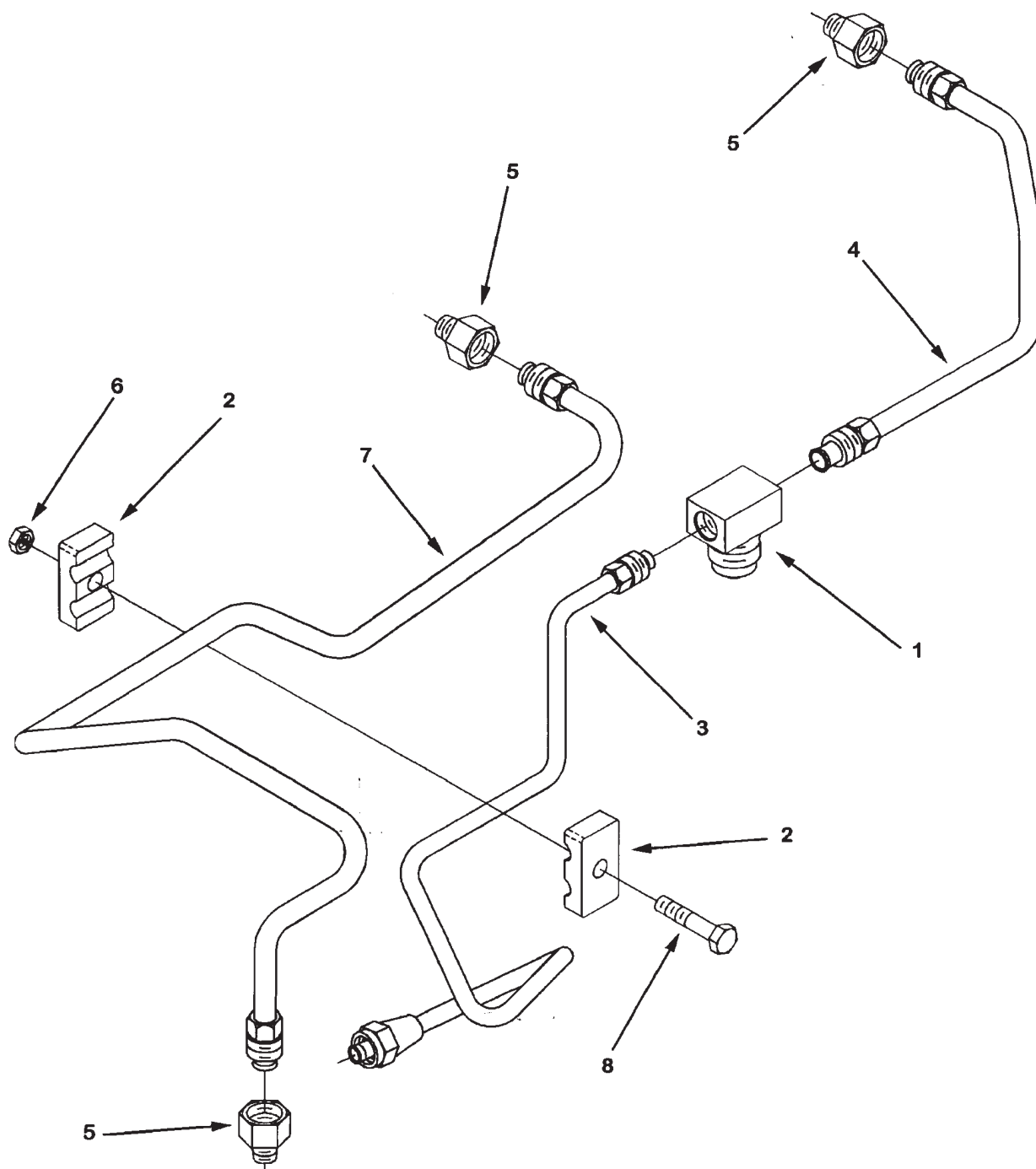


		Description Descrição Fuel pump mount.			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 83
Item.	Description		Order no.	Qty	S	Notes		
1	Screw	Parafuso	800038960	2		Cummi	S-167-A	
2	Washer	Anilha	800038962	2		Cummi	3003163	
3	Washer	Anilha	800038885	8		Cummi	3009330	
4	Nut	Porca	800038816	4		Cummi	3044360	
5	Screw	Parafuso	800038964	4		Cummi	3064109	
6	Screw	Parafuso	800038954	2		Cummi	3335044	
7	Washer	Anilha	800038963	2		Cummi	3821657	
8	Lug	Suporte	800038958	1		Cummi	3893850	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
84	KV01-0101	97-02-04	Fuel pump mount.		



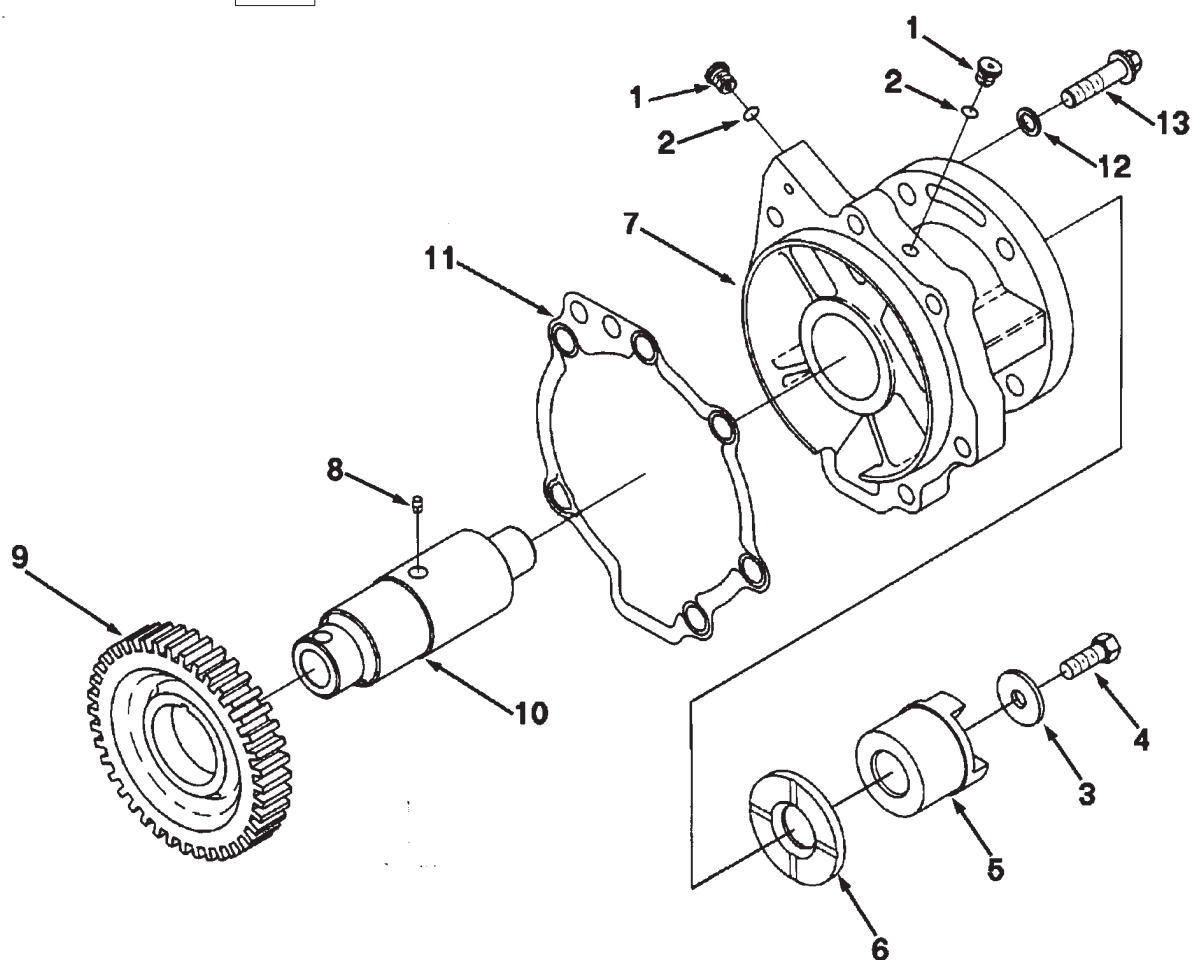
			Description Descrição		Date Data	Module Módulo	Page Página
			Fuel pump mount.		97-02-04	KV01-0101	85
Item.	Description		Order no.	Qty	S	Notes	
1	Lug	Suporte	800038958	1		Cummi	3893850
2	Gasket	Junta	800038959	1		Cummi	3069103
3	Screw	Parafuso	800038960	2		Cummi	S-167-A
4	Clutch	Embraiagem	800038961	1		Cummi	3046200
5	Washer	Anilha	800038962	2		Cummi	3003163
6	Screw	Parafuso	800038954	2		Cummi	3335044
7	Washer	Anilha	800038963	2		Cummi	3821657
8	Washer	Anilha	800038885	8		Cummi	3009330
9	Screw	Parafuso	800038964	4		Cummi	3064109
10	Nut	Porca	800038816	4		Cummi	3044360



		Description Descrição Fuel plumbing			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 87
Item.	Description		Order no.	Qty	S	Notes		
1	Union/T	União/T	800039200	1		Cummi	203862	
2	Clamp	Abraçadeira	800038971	2		Cummi	3007024	
3	Tube	Tubo	800038968	1		Cummi	3600687	
4	Tube	Tubo	800038967	1		Cummi	3600875	
5	Fitting	União	800038974	3		Cummi	3820091	
6	Nut	Porca	800038970	1		Cummi	3883244	
7	Tube	Tubo	800040981	1		Cummi	3893951	
8	Screw	Parafuso	800038973	1		Cummi	3900619	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
88	KV01-0101	97-02-04	Fuel pump drive		

1a

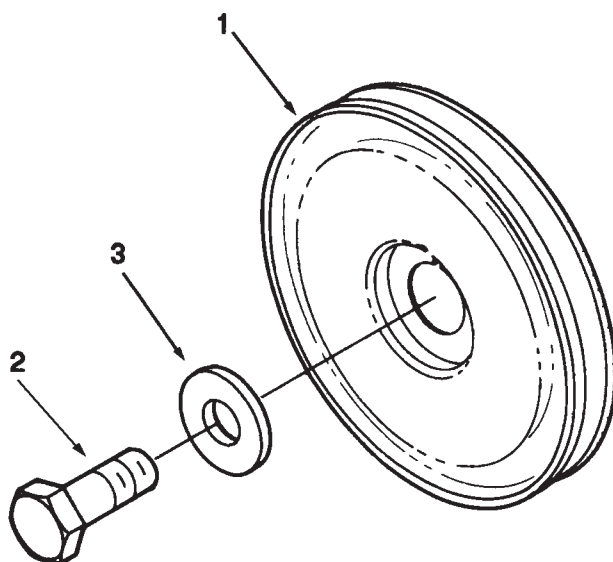


		Description Descrição Fuel pump drive			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 89
Item.	Description		Order no.	Qty	S	Notes		
*1a	Drive gear	Engrenagem motriz	800040982	1		Cummi	3896047	
11	Gasket	Junta	800040983	1		Cummi	3883538	
12	Washer	Anilha	800039037	6		Cummi	3882885	
13	Screw	Parafuso	800040984	6		Cummi	3883123	

*)Incl. parts 1-10

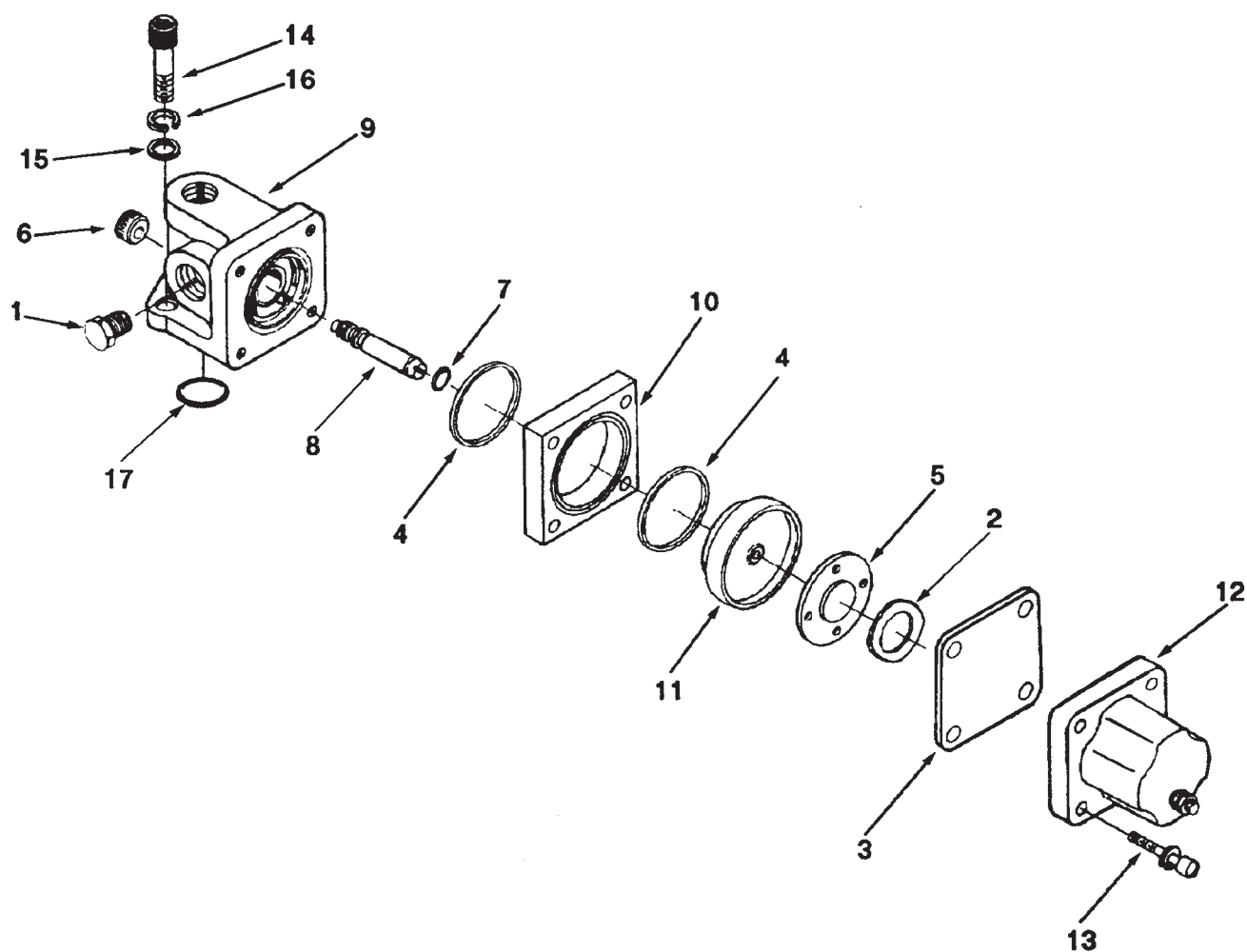
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Page Página 90	Module Módulo KV01-0101	Date Data 97-01-30	Description Descrição V-belt pulley	☐	
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		Description Descrição V-belt pulley			☐	Date Data 97-01-30	Module Módulo KV01-0101	Page Página 91
Item.	Description		Order no.	Qty	S	Notes		
1	Belt pulley	Polia	800038779	1		Cummi	3046203	
2	Screw	Parafuso	800038780	1		Cummi	3818229	
3	Washer	Anilha	800038781	1		Cummi	3818463	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
92	KV01-0101	97-02-04	Fuel valve		

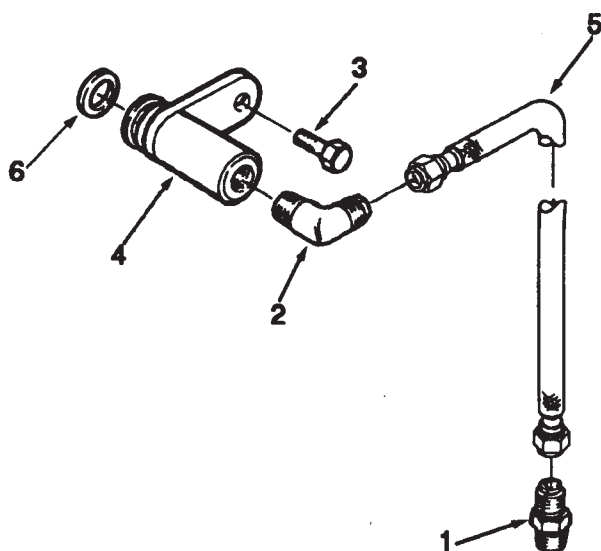


		Description Descrição Fuel valve			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 93
Item.	Description		Order no.	Qty	S	Notes		
*1	Valve compl.	Válvula compl.	800038976	1		Cummi	3018453	
12	Solenoid	Bobina	800038007	1		Cummi	3054609	
14	Screw	Parafuso	800038009	2		Cummi	S-189-C	
15	Washer	Anilha	800038010	2		Cummi	67684	
16	Washer	Anilha	800038011	2		Cummi	181466	
17	Seal ring	Vedante	800038012	1		Cummi	154087	

*)Incl. parts 1-13

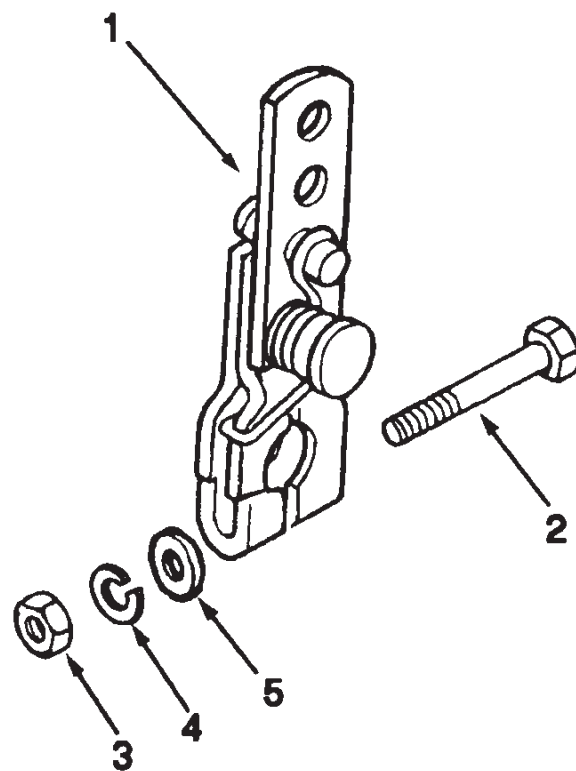
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Page Página	Module Módulo	Date Data	Description Descrição		
94	KV01-0101	97-02-04	Air pipe		



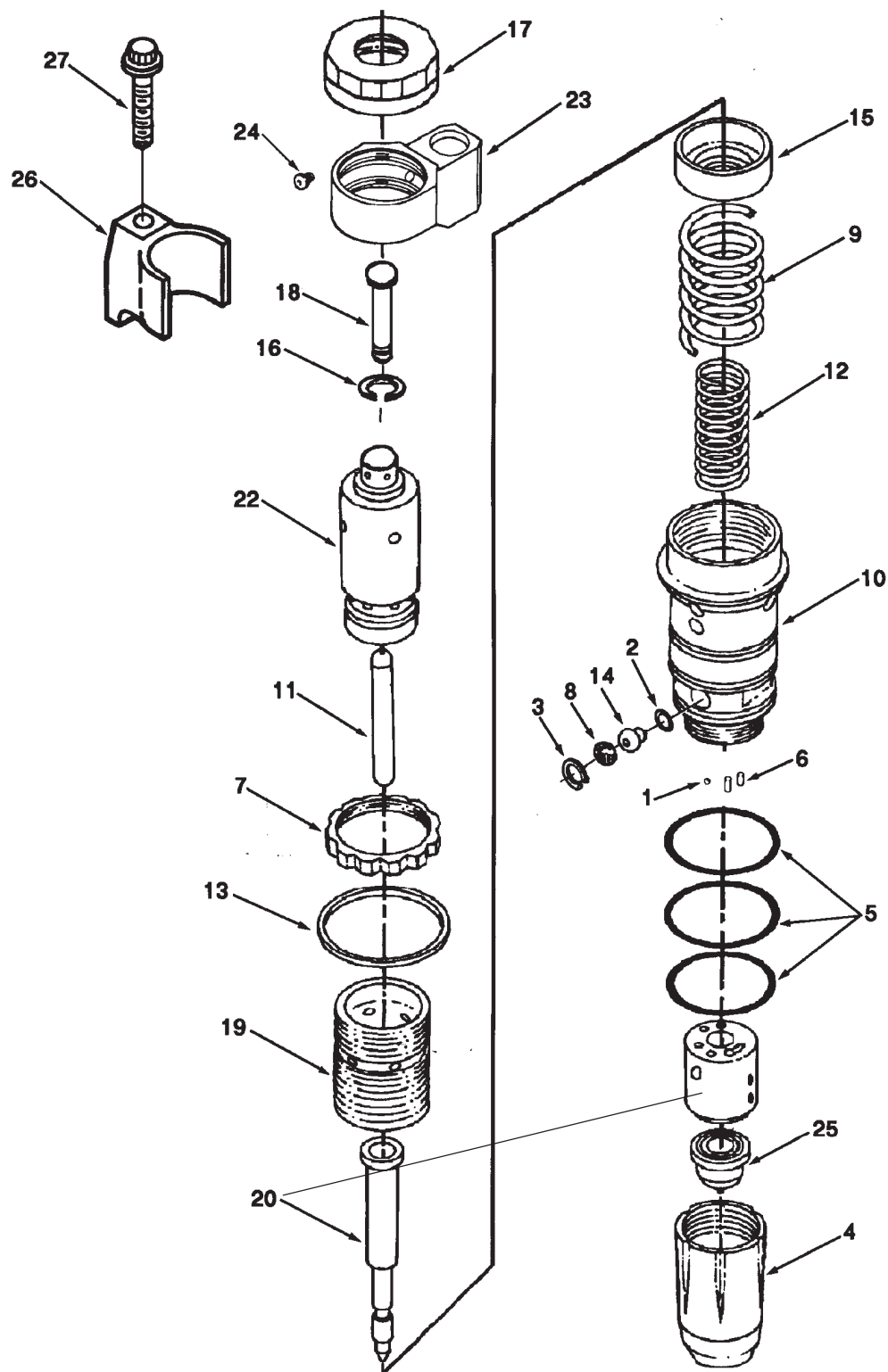
		Description Descrição Air pipe			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 95
Item.	Description		Order no.	Qty	S	Notes		
1	Fitting	União	800038931	1		Cummi	68138	
2	Elbow	União	800038932	1		Cummi	68139	
3	Screw	Parafuso	800038933	1		Cummi	3036230	
4	Connecting pipe	União	800038934	1		Cummi	3600825	
5	Hose	Tubo	800039261	1		Cummi	3893673	
6	O-ring	O'ring	800038936	1		Cummi	3819871	

Page Página	Module Módulo	Date Data	Description Descrição		
96	KV01-0101	97-02-04	Throttle linkage		



		Description Descrição Throttle linkage			Date Data 97-02-04	Module Módulo KV01-0101	Page Página 97
Item.	Description	Order no.	Qty	S	Notes		
1	Throttle linkage	800039084	1		Cummi	110481	
2	Screw	800039085	1		Cummi	S-159-B	
3	Nut	800039086	1		Cummi	S-270	
4	Washer	800039087	1		Cummi	S-600	
5	Washer	800039088	1		Cummi	70704	

Page Página 98	Module Módulo KV01-0101	Date Data 01-01-23	Description Descrição Injector	☐	
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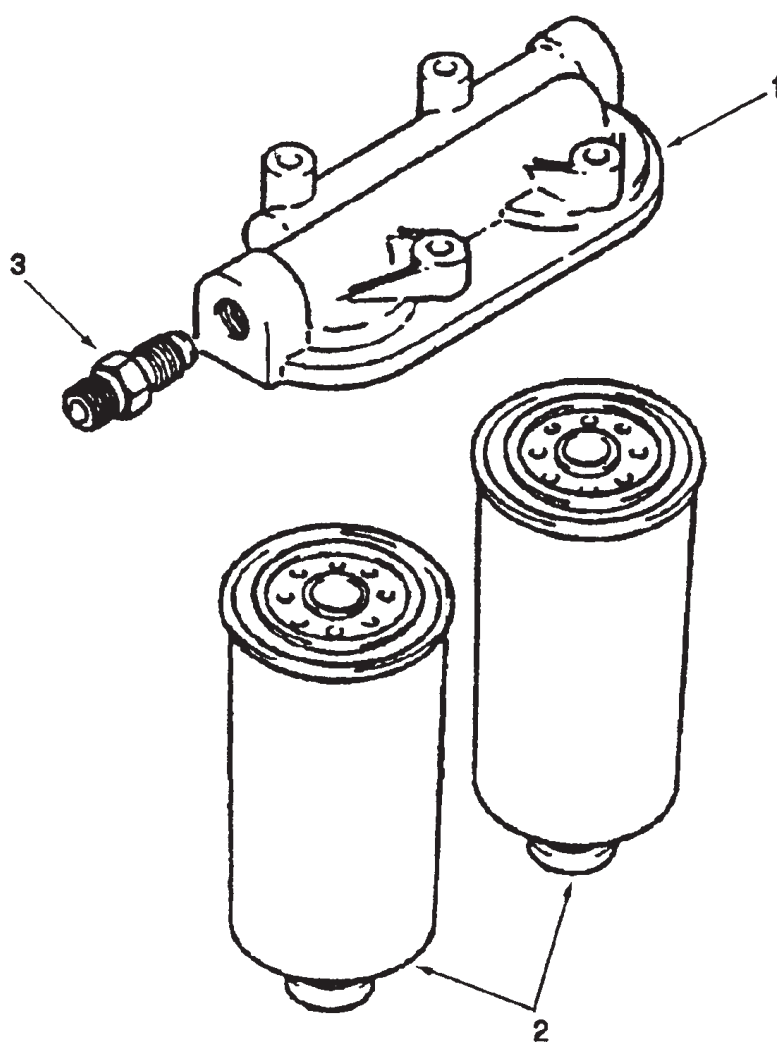


		Description Descrição Injector			☐	Date Data 01-01-23	Module Módulo KV01-0101	Page Página 99
Item.	Description		Order no.	Qty	S	Notes		
*—	Injector	Injector	800042202	6		Cummi	3406604	
1	Ball	Esfera	800034237	1		Cummi	167157	
2	Gasket	Junta	800034238	1		Cummi	173086	
3	Retainer	Retentor	800033239	1		Cummi	174299	
4	Retainer	Retentor	800041055	1		Cummi	3066693	
5	Seal ring	Vedante	800034241	3		Cummi	193736	
6	Pin	Pin	800041056	2		Cummi	203426	
7	Nut	Porca	800040605	1		Cummi	3068860	
8	Strainer	Tensor	800042203	1		Cummi	3054999	
9	Spring	Mola	800041057	1		Cummi	3060615	
10	Adapter		800041058	1		Cummi	3064881	
11	Link	Ligação	800040606	1		Cummi	3062009	
12	Spring	Mola	800041059	1		Cummi	3060614	
13	Washer	Anilha	800041060	1		Cummi	3068088	
14	Plug	Ficha	800034251	1		Cummi	3045047	
15	Retainer	Retentor	800041061	1		Cummi	3066707	
16	Retainer	Retentor	800034253	1		Cummi	3052231	
17	Cap	Tampão	800040607	1		Cummi	3068859	
18	Link	Ligação	800041062	1		Cummi	3070155	
19	Screw	Parafuso	800040609	1		Cummi	3055742	
20	Nozzle	Bico injector	800041063	1		Cummi	3069718	
22	Lifting lever	Haste	800041064	1		Cummi	3075383	
23	Nut	Porca	800041065	1		Cummi	3074258	
24	Plug	Ficha	800041066	1		Cummi	3074257	
25	Cup	Taça	800042205	1		Cummi	3406605	
26	Clip	Grampo	800041068	6		Cummi	3882991	
27	Screw	Parafuso	800041069	6		Cummi	3882793	

*)Incl. parts 1–25

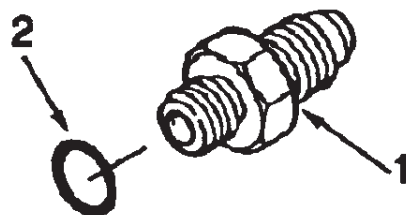
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Page Página	Module Módulo	Date Data	Description Descrição		
100	KV01-0101	97-02-04	Fuel filter		



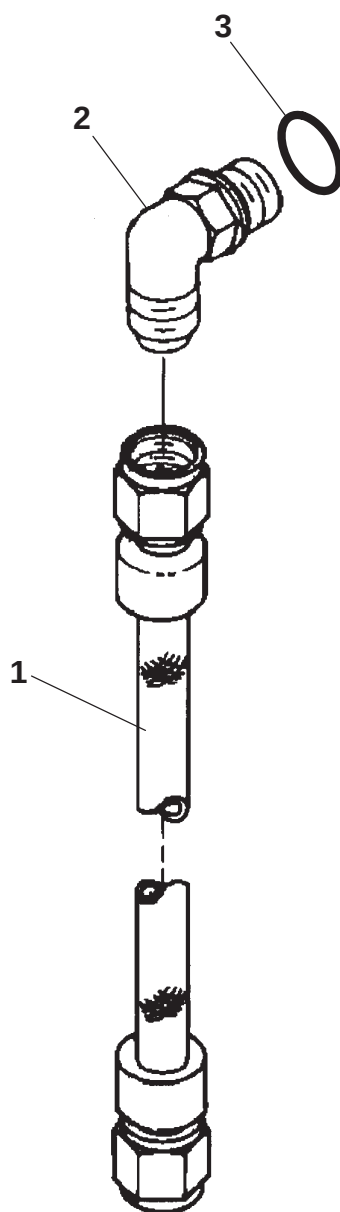
		Description Descrição Fuel filter	☐		Date Data 97-02-04	Module Módulo KV01-0101	Page Página 101
Item.	Description		Order no.	Qty	S	Notes	
1	Frame	Estrutura de suporte	800038937	1		Cummi	212013
2	Fuel filter	Filtro de combustivel	800040985	2		Cummi	3315843
3	Fitting	União	800038939	1		Cummi	129866

Page Página	Module Módulo	Date Data	Description Descrição		
102	KV01-0101	97-02-04	Fuel pump fitting		



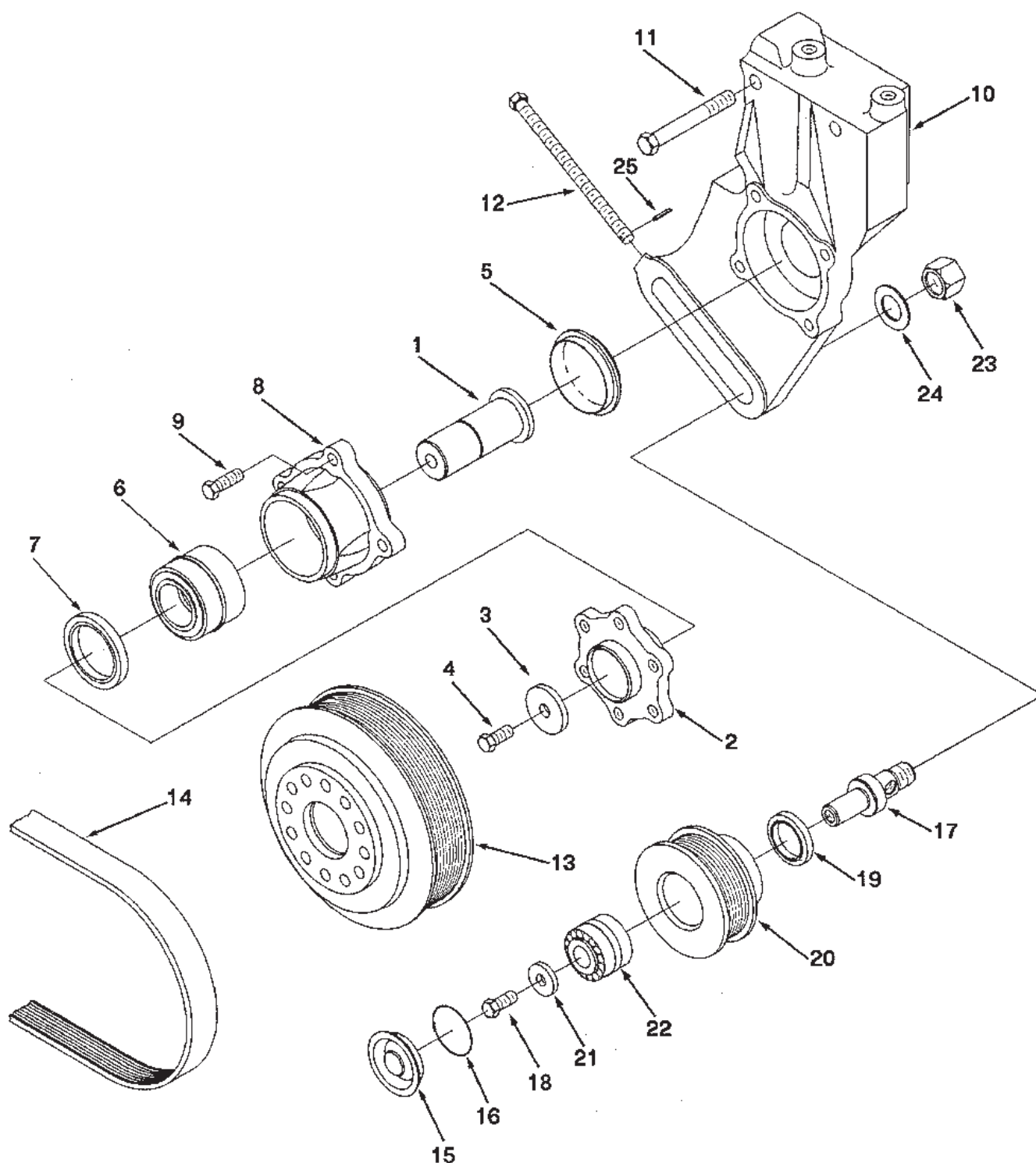
		Description Descrição Fuel pump fitting			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 103
Item.	Description		Order no.	Qty	S	Notes		
1	Fitting	União	800038943	1		Cummi	203850	
2	O-ring	O'ring	800039210	1		Cummi	3040817	

Page Página 104	Module Módulo KV01-0101	Date Data 97-02-04	Description Descrição Fuel hose	☐	
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		Description Descrição Fuel hose			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 105
Item.	Description		Order no.	Qty	S	Notes		
1	Hose	Tubo	800040986	1		Cummi	3892461	
2	Fitting	União	800034199	1		Cummi	129859	
3	O-ring	O'ring	800039210	1		Cummi	3040817	

Page Página 106	Module Módulo KV01-0101	Date Data 99-10-05	Description Descrição Fan hub	☐ Kalmar
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			☐		Date Data	Module Módulo	Page Página
Description Descrição Fan hub					99-10-05	KV01-0101	107
Item.	Description		Order no.	Qty	S	Notes	
*8	Hub	Cubo	800038921	1		Cummi	3065358
9	Screw	Parafuso	800038922	4		Cummi	3034836
10	Support	Suporte	800038923	1		Cummi	3892321
11	Screw	Parafuso	800038924	3		Cummi	3892354
12	Screw	Parafuso	800038902	1		Cummi	3040245
13	Belt pulley	Polia	800042206	1		Cummi	3046207
14	Belt	Correia	800042184	1		Cummi	3034943
**20	Belt pulley	Polia	800038927	1		Cummi	3062602
26	Nut	Porca	800038928	1		Cummi	3034319
27	Washer	Anilha	800038929	1		Cummi	3034320
28	Pin	Pin	800038930	1		Cummi	107695

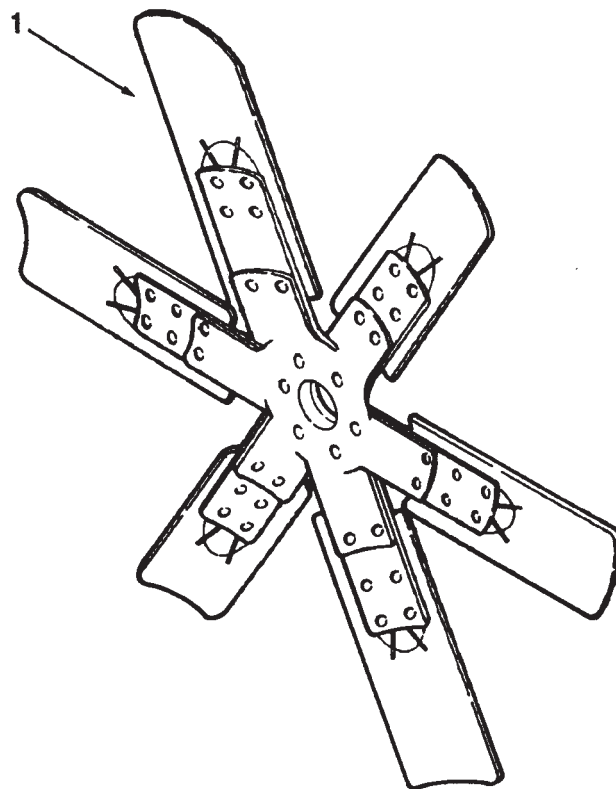
*)Incl. parts 1-8

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**)Incl. parts 15-22

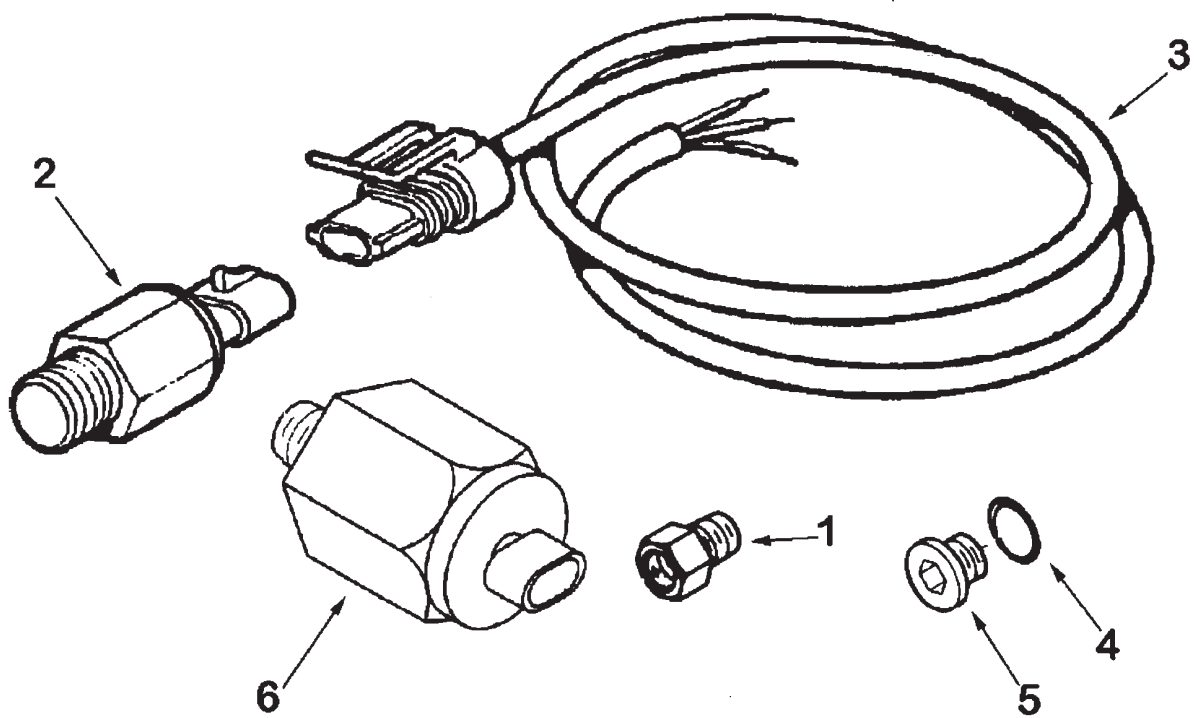
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Page Página	Module Módulo	Date Data	Description Descrição	☐	
108	KV01-0101	97-02-04	Fan		



		Description Descrição Fan			☐	Date Data 97-02-04	Module Módulo KV01-0101	Page Página 109
Item.	Description		Order no.	Qty	S	Notes		
1	Fan	Ventoinha	800038957	1		Cummi	215184	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
110	KV01-0101	97-02-05	Thermoswitch		

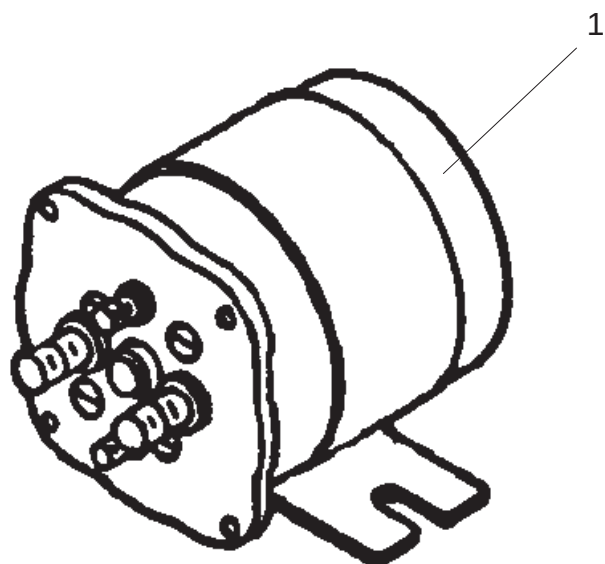


		Description Descrição Thermoswitch			☐	Date Data 97-02-05	Module Módulo KV01-0101	Page Página 111
Item.	Description		Order no.	Qty	S	Notes		
1	Fitting	União	800040518	1		Cummi	S-955	
2	Switch	Interruptor	800039005	1		Cummi	3056344	
3	Wiring set	Conjunto instalação elect.	800039006	2		Cummi	3056356	
4	O-ring	O'ring	800038125	1		Cummi	3037537	
*5	Plug	Ficha	800040987	1		Cummi	3076720	
6	Switch	Interruptor	800040988	1		Cummi	3255283	

*)incl. part 4

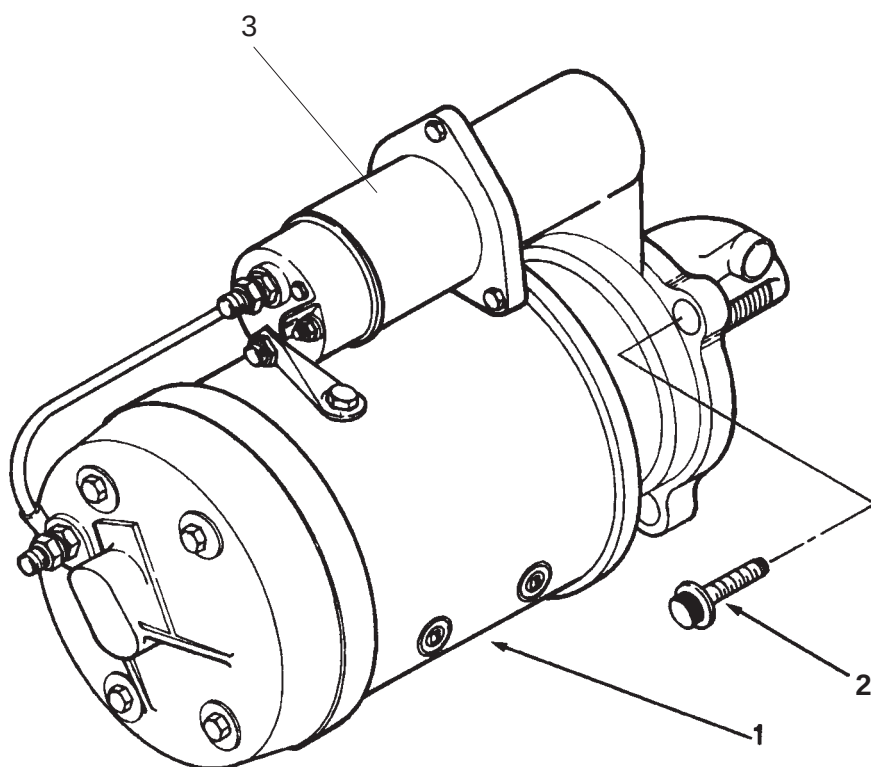
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Page Página	Module Módulo	Date Data	Description Descrição	☐	
112	KV01-0101	97-02-14	Magnetic switch		



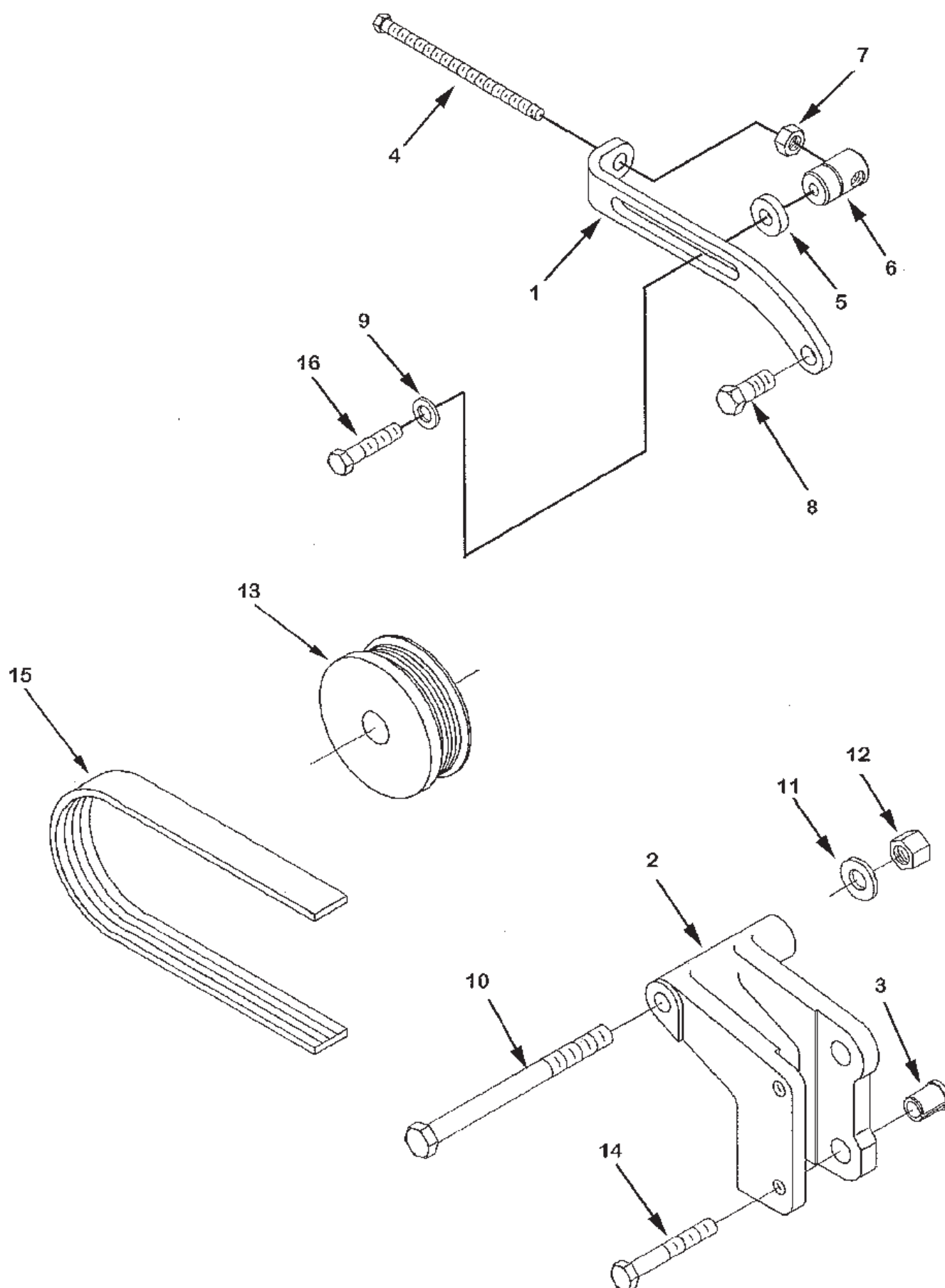
		Description Descrição Magnetic switch			☐	Date Data 97-02-14	Module Módulo KV01-0101	Page Página 113
Item.	Description	Order no.	Qty	S	Notes			
1	Magnetic coupling Acoplamento magnético	800038920	1		Cummi	3050692		

Page Página	Module Módulo	Date Data	Description Descrição		
114	KV01-0101	00-12-11	Starter motor		



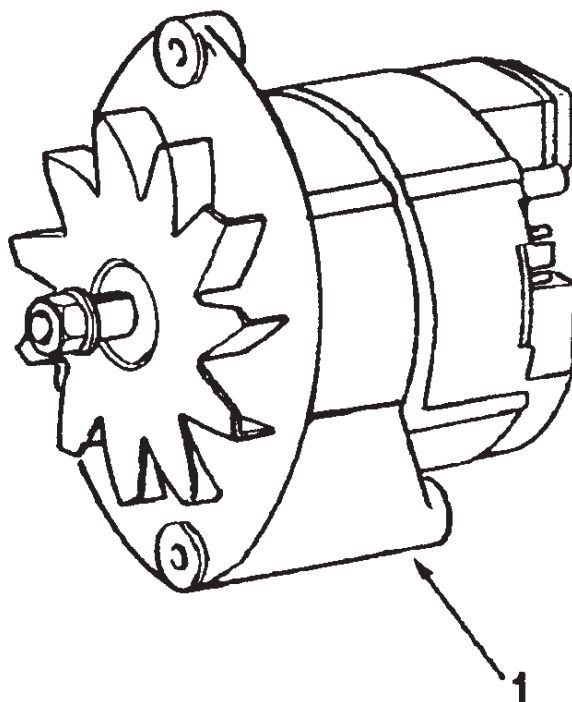
		Description Descrição Starter motor			☐	Date Data 00-12-11	Module Módulo KV01-0101	Page Página 115
Item.	Description		Order no.	Qty	S	Notes		
1	Starter motor	Motor de arranque	800042945	1		Cummi	135161	
2	Screw	Parafuso	800039004	3		Cummi	3600596	
3	Solenoid	Bobina	800043530	1		Cummi	3804755	

Page Página 116	Module Módulo KV01-0101	Date Data 99-10-05	Description Descrição Alternator mount.	☐	
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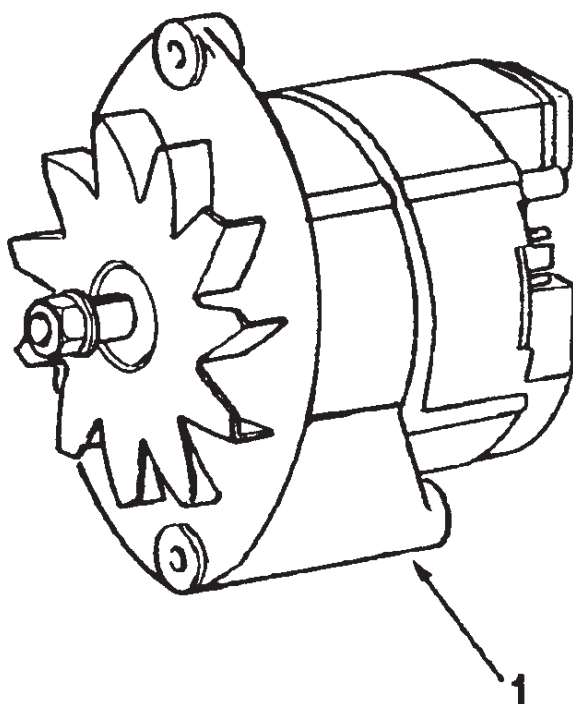
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Alternator mount.		99-10-05	KV01-0101	117
Item.	Description		Order no.	Qty	S	Notes	
1	Lever	Alavanca	800038899	1		Cummi	3821836
2	Support	Suporte	800042207	1		Cummi	3883158
3	Sleeve	Casquilho	800042208	2		Cummi	3883157
4	Screw	Parafuso	800038902	1		Cummi	3040245
5	Spacing washer	Anilha espaçadora	800038903	1		Cummi	3029507
6	Retainer	Retentor	800038904	1		Cummi	3820876
7	Nut	Porca	800042209	1		Cummi	3895300
8	Screw	Parafuso	800038900	1		Cummi	3335059
9	Washer	Anilha	800038796	1		Cummi	3009330
10	Screw	Parafuso	800042210	1		Cummi	3895516
11	Washer	Anilha	800042211	1		Cummi	3895517
12	Nut	Porca	800038909	1		Cummi	70897
13	Belt pulley	Polia	800038910	1		Cummi	3046204
14	Screw	Parafuso	800042212	2		Cummi	3081346
15	Belt	Correia	800042197	1		Cummi	3028521
16	Screw	Parafuso	800038913	1		Cummi	S-120

Page Página	Module Módulo	Date Data	Description Descrição	☐	
118	KV01-0101	00-08-10	Alternator		



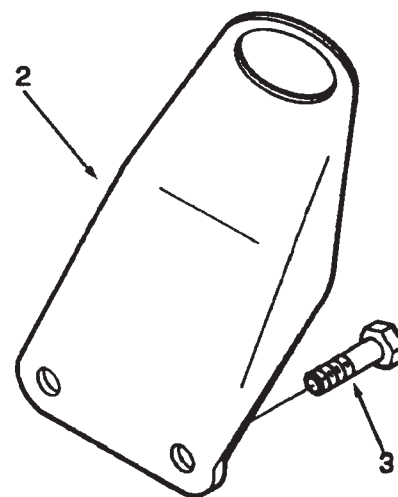
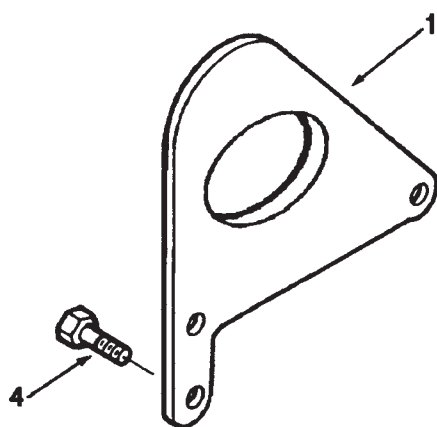
		Description Descrição Alternator			☐	Date Data 00-08-10	Module Módulo KV01-0101	Page Página 119
Item.	Description		Order no.	Qty	S	Notes		
1	Alternator	Alternador	65269874	1		Cummi EE2036 24V 100A		

Page Página	Module Módulo	Date Data	Description Descrição	☐	
120	KV01-0101	97-02-05	Alternator		



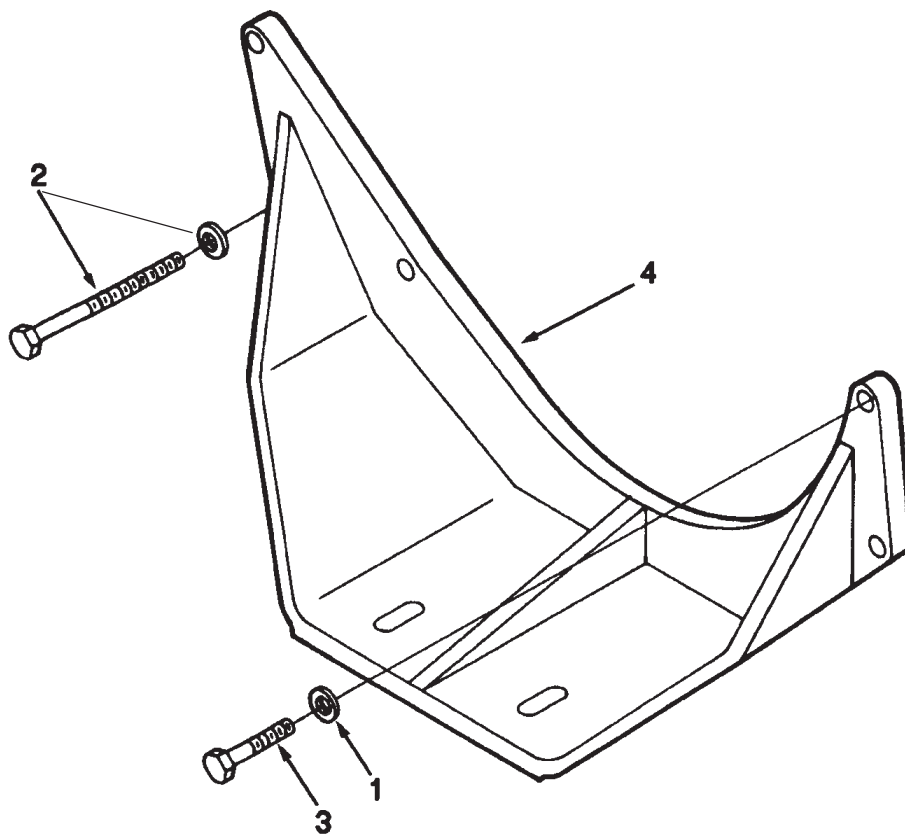
		Description Descrição Alternator			☐	Date Data 97-02-05	Module Módulo KV01-0101	Page Página 121
Item.	Description		Order no.	Qty	S	Notes		
1	Alternator	Alternador	800038898	1		Cummi	3056492	75A

Page Página	Module Módulo	Date Data	Description Descrição	☐	
122	KV01-0101	97-02-05	Lifting bracket		



		Description Descrição Lifting bracket			☐	Date Data 97-02-05	Module Módulo KV01-0101	Page Página 123
Item.	Description		Order no.	Qty	S	Notes		
1	Lug	Suporte	800040989	1		Cummi	3883586	
2	Lug	Suporte	800040990	1		Cummi	3896347	
3	Screw	Parafuso	800038981	2		Cummi	3893834	
4	Screw	Parafuso	800038954	3		Cummi	3335044	

Page Página	Module Módulo	Date Data	Description Descrição		
124	KV01-0101	97-02-05	Engine support		



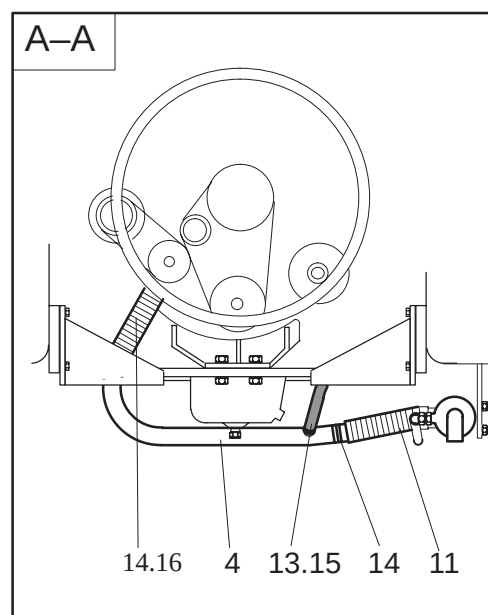
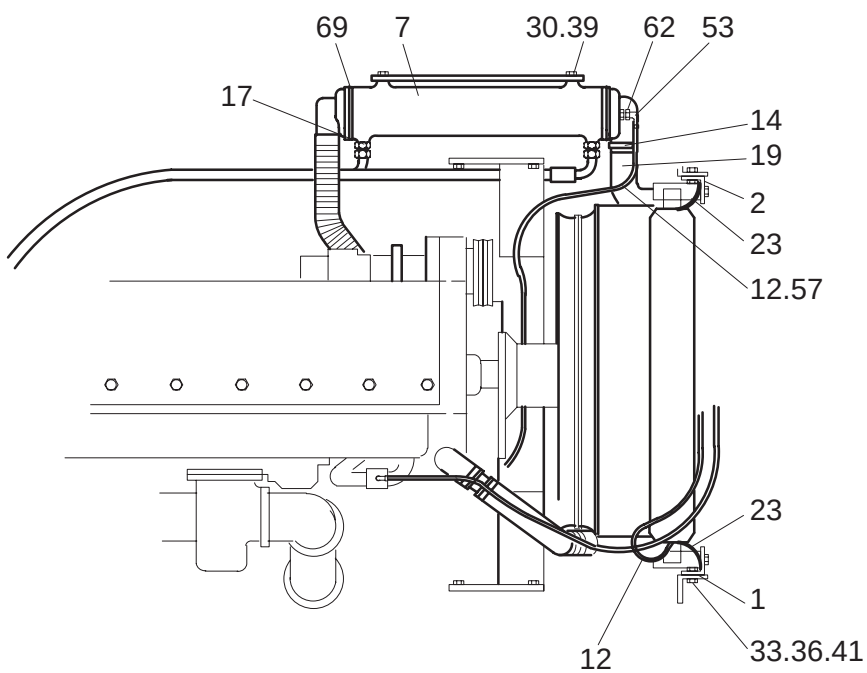
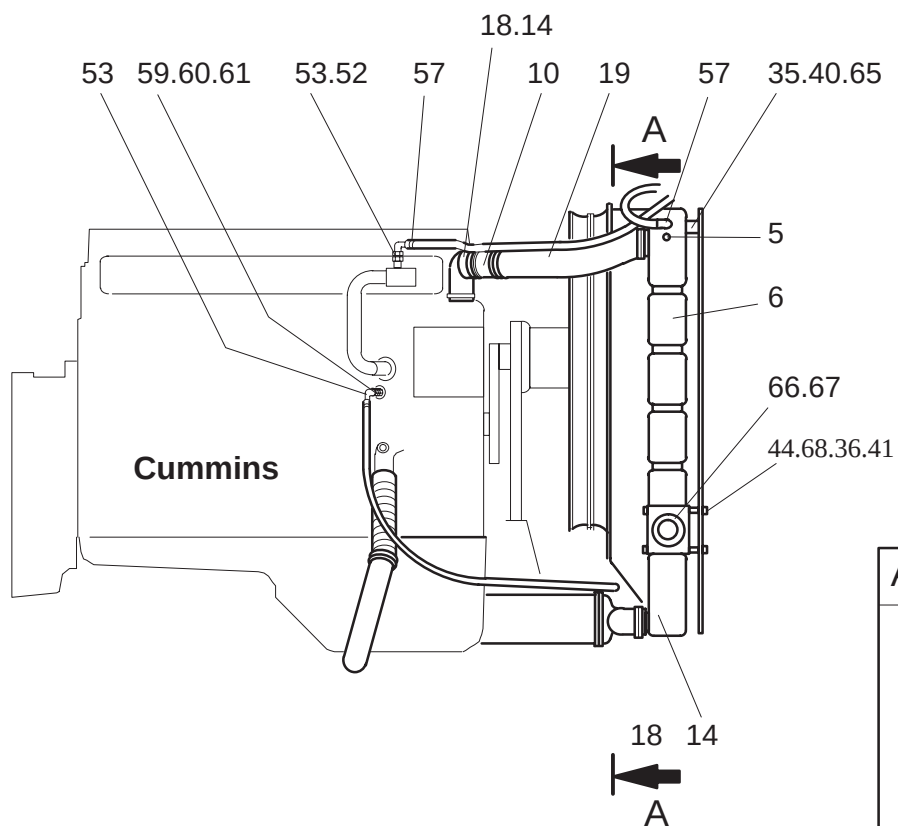
		Description Descrição Engine support			☐	Date Data 97-02-05	Module Módulo KV01-0101	Page Página 125
Item.	Description		Order no.	Qty	S	Notes		
1	Washer	Anilha	800034256	1		Cummi	203518	
2	Screw	Parafuso	800039256	5		Cummi	3892105	
3	Screw	Parafuso	800038916	1		Cummi	3820988	
4	Support	Suporte	800038917	1		Cummi	3819975	

KV01-0102

Cooling system

Sistema de arrefecimento

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV01-0102	97-03-14	Cooling system	

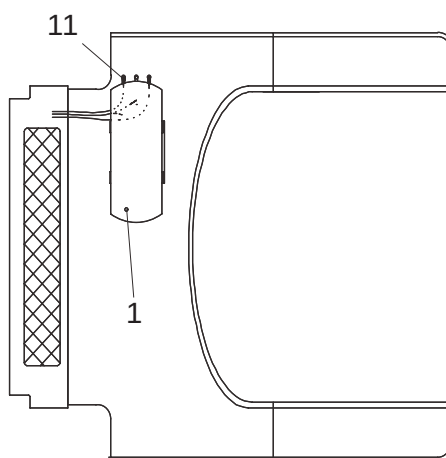
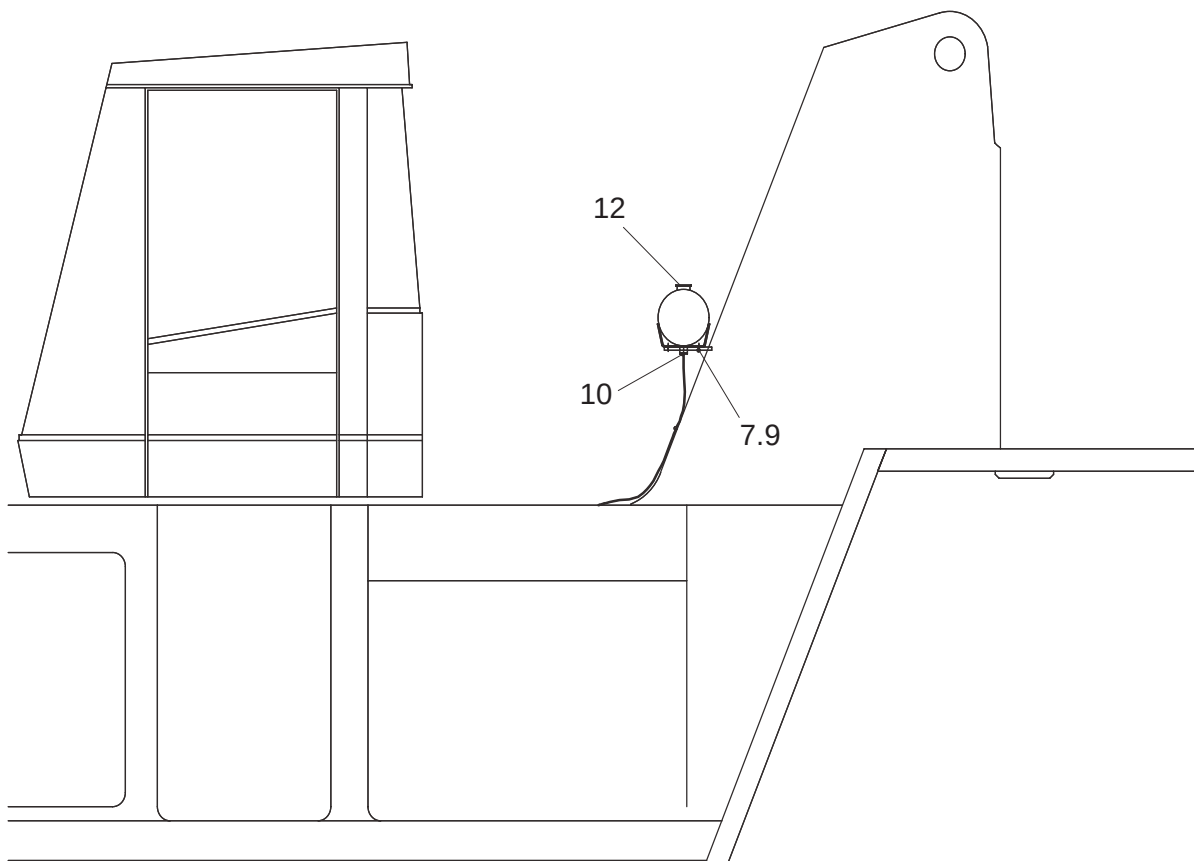


			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Cooling system			97-03-14	KV01-0102	3
Item.	Description		Order no.	Qty	S	Notes		
1	Support	Suporte	T5503330	1				
2	Support	Suporte	T5503340	1				
4	Tube	Tubo	T5512300	1				
5	Plug	Ficha	T5202910	1				
6	Radiator	Radiador	T5519810	1				
7	Oil cooler	Radiador de oleo	T1302009H	1		Bowma FG 140-3217-4		
10	Tube	Tubo	T5508380	1				
11	Hose	Tubo	770573590	1		Nyro 57x359		
12	Hose	Tubo	68511310	x		VLS616.0110		
13	Hose	Tubo	68512532	x		VLS616.04LVU 032		
14	Clip	Grampo	60275775	11		63-73		
15	Clip	Grampo	60282743	1		Norma S-43/20		
16	Hose	Tubo	68512575	x		VLS616.04LVU 075		
17	Fitting	União	643445302	2		VLS620.2130JIC/R1 1/4		
18	Hose	Tubo	T5213100	1				
19	Hose	Tubo	K5035200	2				
23	Gasket set	Jogo juntas	T5504810	1				
30	Screw	Parafuso	53060138	7		ISO4017 M8x20		
33	Screw	Parafuso	58130543	6		SFS2219 M12x30		
35	Nut	Porca	50410100	6		ISO4032 M10-8		
36	Nut	Porca	50410120	4		ISO4032 M12-8		
39	Washer	Anilha	50012080	6		DIN125 8.4		
40	Washer	Anilha	50012100	4		DIN125 10.5		
41	Washer	Anilha	50012120	4		DIN125 13		
44	Screw	Parafuso	53160239	4		ISO4014 M12x140		
52	Fitting	União	64306002	1		VLO54110/7 9/16-18UNF		
53	Fitting	União	64312206	1		Hymat PS285-6 3/8		
57	Clip	Grampo	60275720	6		16-19		
59	Fitting	União	64306013	1		VLO54110/17 7/8-14UNF		
60	Fitting	União	643461163	1		VLS620.3716/10JIC		
61	Nut	Porca	54163910	1		VLS62050 16JIC		
62	Fitting	União	64306006	1		VLO54110/8 9/16-18UNF		
65	Damper	Batente amortecedor	770001381	2		Metal 17/1381 M10		
66	Support	Suporte	T5515050	4				
67	Damper	Batente amortecedor	T5515060	2		Metal 17/1381 M10		
68	Sleeve	Casquilho	T5515070	4				
69	Seal ring	Vedante	807201617	2		BOWMAN OS52VT		

x) Order as required (min. delivery length 1 m).

Note! Cummins engine

Page Página	Module Módulo	Date Data	Description Descrição		
4	KV01-0102	97-03-14	Expansion tank		



		Description Descrição Expansion tank			☐	Date Data 97-03-14	Module Módulo KV01-0102	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1	Expansion tank	Tanque de expansão	T5518370	1				
7	Screw	Parafuso	53060178	4		ISO4017	M10X20	
9	Nut	Porca	51010100	4		DIN985	M10	
10	Clip	Grampo	60282743	1		NORMA	S-43/20	
11	Clip	Grampo	60275720	2			16-19	
12	Cap	Tampão	800041574	1		S.Jäähd.	5644 50kPa	

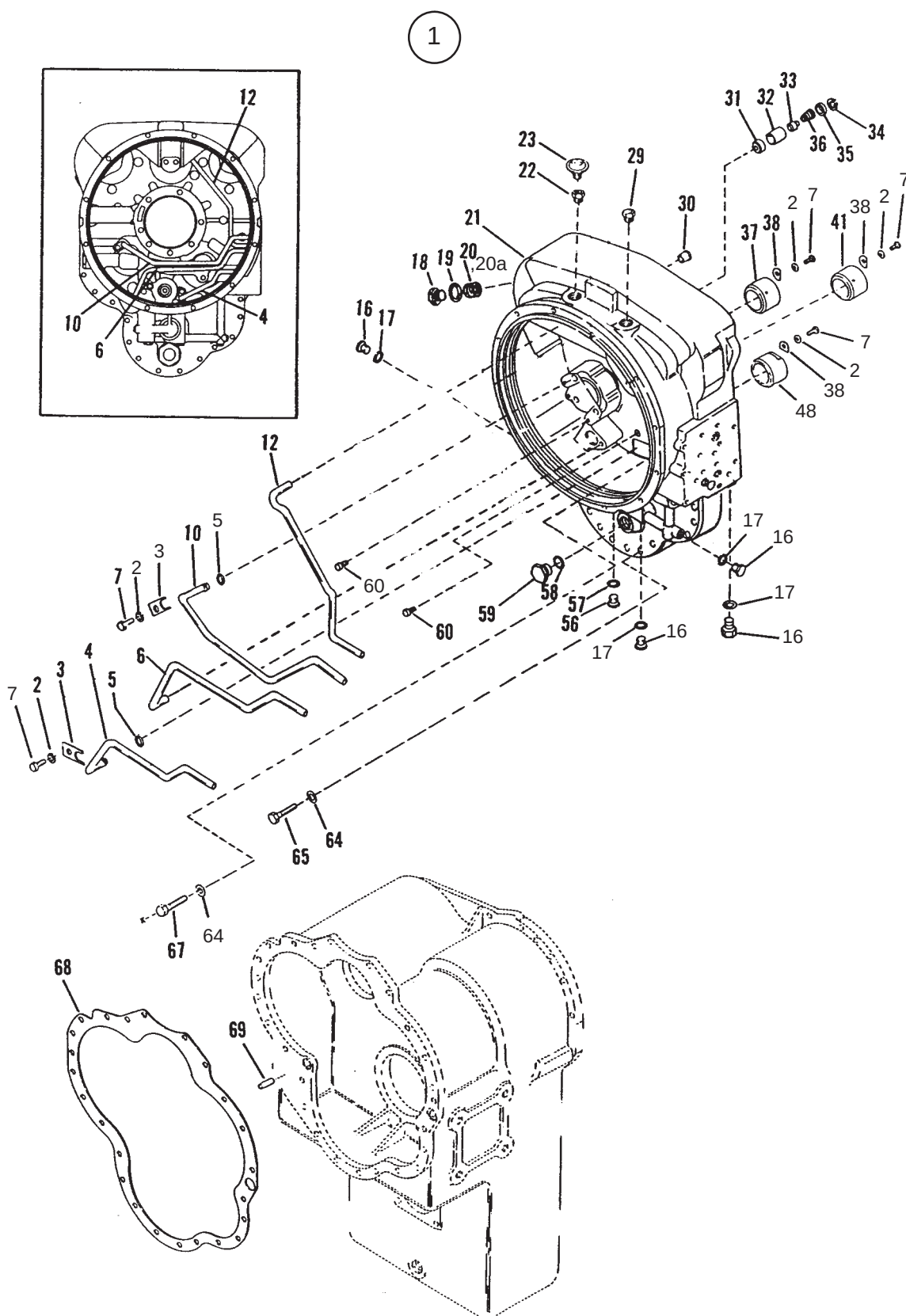
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV01-0103	Page Página 1/35
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KV01-0103

Hydraulic Transmission

Transmissão hidráulica

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV01-0103	97-02-25	Gearbox		



			☐		Date Data	Module Módulo	Page Página
Description Descrição Gearbox					97-02-25	KV01-0103	3
Item.	Description	Order no.	Qty	S	Notes		
1	Gearbox, compl. see page 3-35	K0201082H	1		Clark	15.5HR36431-3	
2	Washer Anilha	800811008	5		Clark	4E5	
3	Fastener Ligador	800820037	2		Clark	243676	
4	Tube Tubo	800820361	1		Clark	245824	
5	O-ring O'ring	800820039	2		Clark	60K30016	
6	Tube Tubo	800820038	1		Clark	245823	
7	Screw Parafuso	800811009	5		Clark	1C510	
10	Tube Tubo	800820043	1		Clark	243695	
12	Tube Tubo	800820041	1		Clark	243696	
16	Plug Ficha	800820709	5		Clark	47K3	
17	Seal ring Vedante	800820198	5		Clark	91F3	
18	Plug Ficha	800817201	1		Clark	1KM18	
19	Seal ring Vedante	800818711	1		Clark	60K30020	
20	Sleeve Casquilho	800820710	1		Clark	248166	
20a	Shim Anilha	800820711	x		Clark	248167	
*21	Converter Anilha	800821083	1		Clark	249727	
22	Sleeve Casquilho	800811227	1		Clark	19F8	
23	Breather Respirador	800815611	1		Clark	238535	
29	Plug Ficha	800815350	1		Clark	11F12	
30	Connecting pipe União	800811017	2		Clark	222067	
31	Seat Sede de valvula	800811275	1		Clark	233278	
32	Retainer Retentor	800820362	1		Clark	246884	
33	Piston Pistão	800601111	1		Clark	222318	
34	Circlip Freio	800820712	1		Clark	247474	
35	Washer Anilha	800820364	1		Clark	239609	
36	Spring Mola	800820365	1		Clark	247115	
37	Sleeve Casquilho	800820036	1		Clark	232346	
38	Lock washer Anilha de freio	800811013	3		Clark	230851	
41	Sleeve Casquilho	800814162	1		Clark	237576	
48	Sleeve Casquilho	800821084	1		Clark	249198	
56	Plug Ficha	800816736	1		Clark	24K6	
57	Seal ring Vedante	800815177	1		Clark	91F6	
58	Gasket Junta	800811025	1		Clark	219373	
59	Cover Tampa	800811024	1		Clark	219370	
60	Plug Ficha	800815614	2		Clark	239244	
64	Washer Anilha	800601139	23		Clark	4E07	
65	Screw Parafuso	800820713	14		Clark	17C728	
67	Screw Parafuso	800820714	9		Clark	17C724	
68	Gasket Junta	800820042	1		Clark	243698	
69	Dowel pin Perne-guia	800811047	2		Clark	214295	

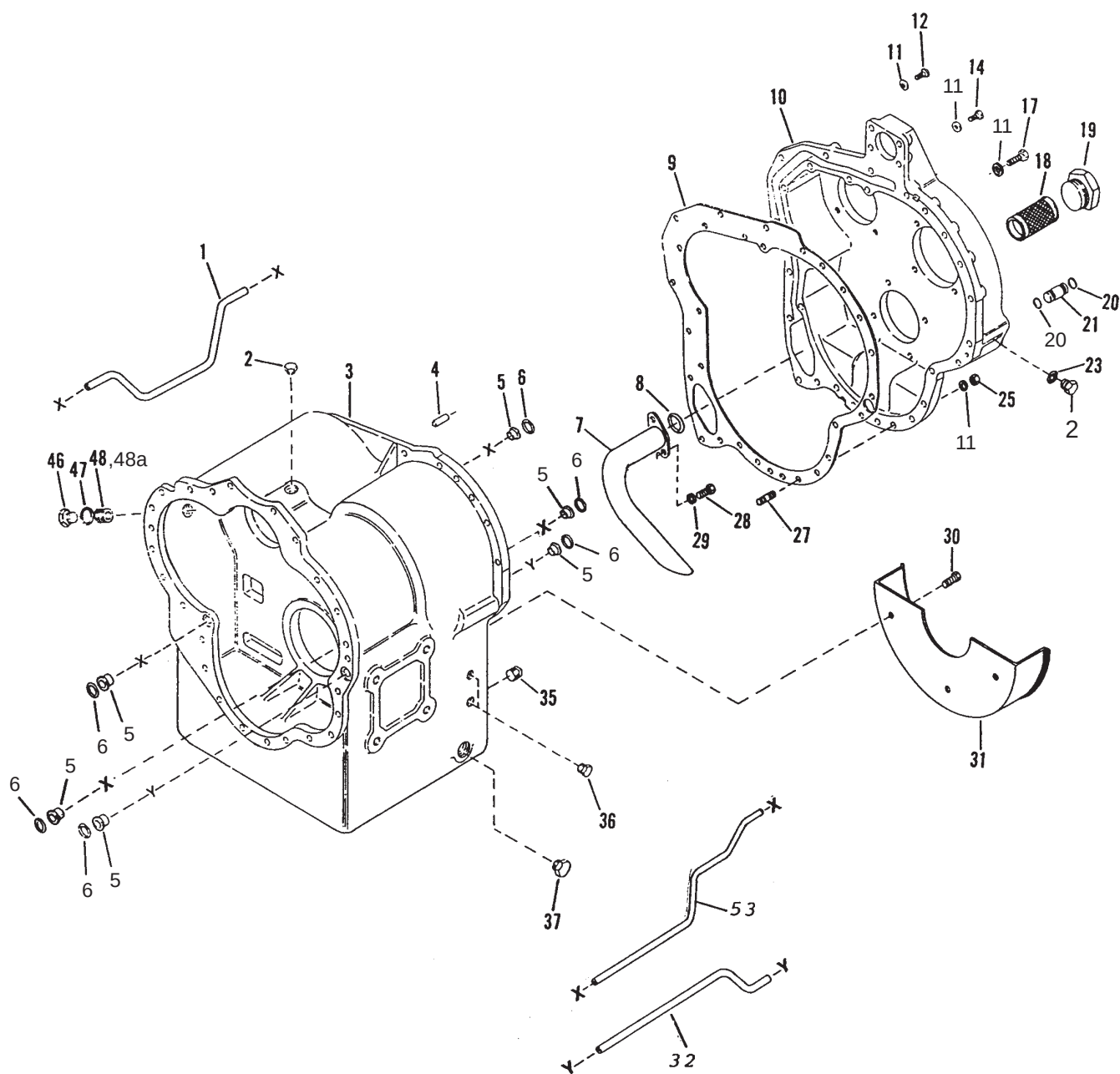
x)Order as required.

x)

*)Incl. parts 2-17,30-41,56,57,60

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Page Página	Module Módulo	Date Data	Description Descrição	☐	
4	KV01-0103	96-06-18	Transmission case		



			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Transmission case			96-06-18	KV01-0103	5
Item.	Description		Order no.	Qty	S	Notes		
1	Tube	Tubo	800820276	1		Clark	243671	
2	Plug	Ficha	800820056	2		Clark	24K-5	
*3	Housing	Caixa	800821085	1		Clark	249838	
4	Dowel pin	Perne-guia	800811047	2		Clark	214295	
5	Connecting pipe	União	800811017	6		Clark	222067	
6	O-ring	O'ring	800811208	6		Clark	60K40026	
7	Tube	Tubo	800820367	1		Clark	246687	
8	Seal ring	Vedante	800820368	1		Clark	60K40120	
9	Gasket	Junta	800820716	1		Clark	248594	
10	Cover	Tampa	800821086	1		Clark	249841	
11	Washer	Anilha	800601139	28		Clark	4E7	
12	Screw	Parafuso	800820048	3		Clark	17C724	
14	Screw	Parafuso	800820050	5		Clark	17C732	
17	Screw	Parafuso	800820051	16		Clark	17C776	
18	Strainer	Tensor	800820370	1		Clark	246852	
19	Plug	Ficha	800820053	1		Clark	24K13	
20	Seal ring	Vedante	800820054	4		Clark	60K20012	
21	Muff	Manga	800820055	1		Clark	243154	
23	O-ring	O'ring	800820371	2		Clark	91F5	
25	Nut	Porca	800814166	4		Clark	64D7	
27	Screw	Parafuso	800820255	4		Clark	246824	
28	Screw	Parafuso	800820372	2		Clark	1C612	
29	Washer	Anilha	800820373	2		Clark	4E6	
30	Screw	Parafuso	800601132	3		Clark	233128	
31	Oil baffle	Placa de óleo	800820374	1		Clark	246688	
32	Tube	Tubo	800820057	1		Clark	243713	
35	Plug	Ficha	800821087	1		Clark	119470	
36	Plug	Ficha	800811037	2		Clark	40K4	
37	Plug	Ficha	800820718	1		Clark	16F16	
46	Plug	Ficha	800818710	1		Clark	1KM18	
47	Seal ring	Vedante	800818711	1		Clark	60K30020	
48	Sleeve	Casquilho	800820710	1		Clark	248166	
48a	Shim	Anilha	800820711	x		Clark	248167	
53	Tube	Tubo	800820719	1		Clark	248595	

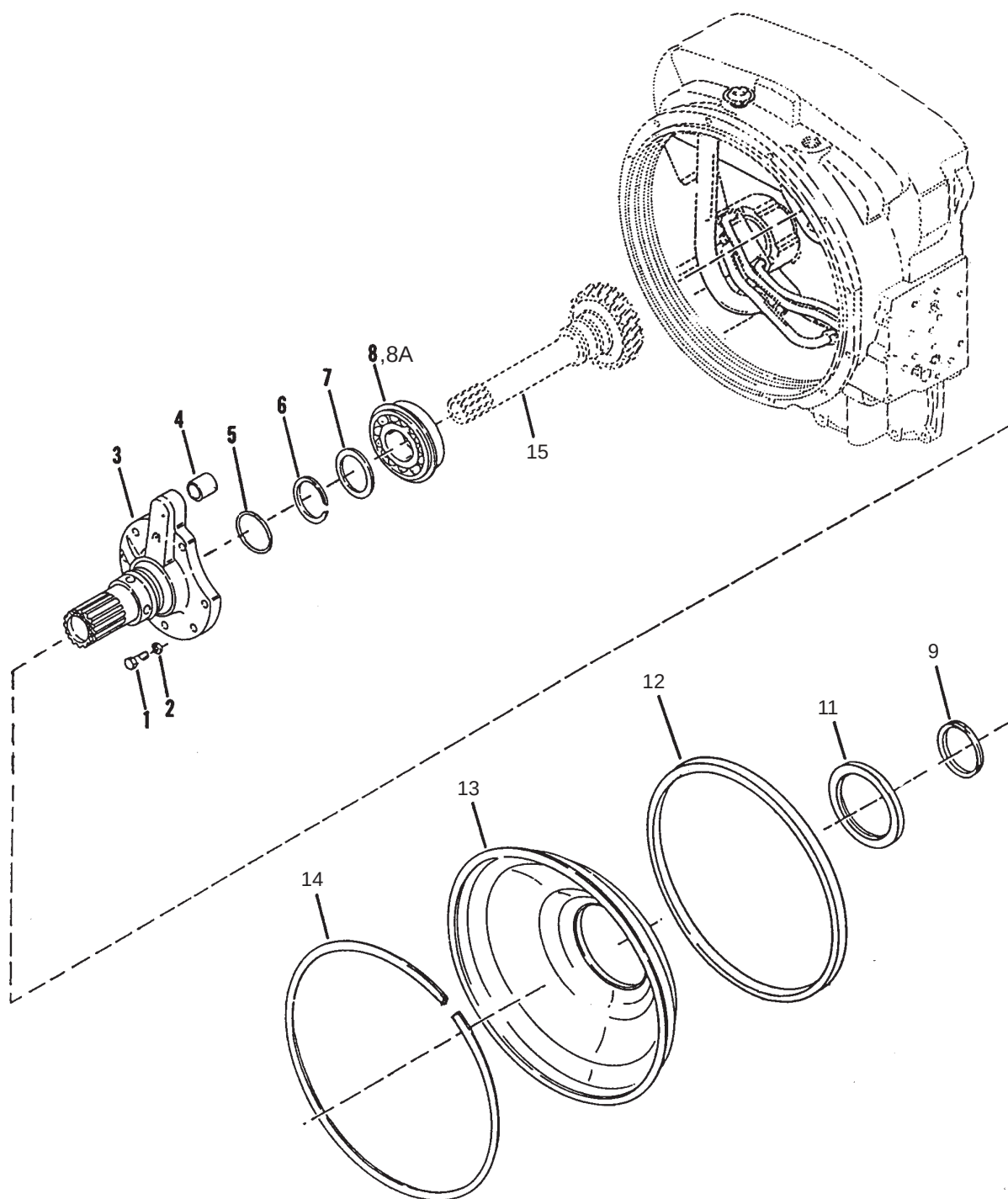
x)Order as required.

x)

*)Incl. parts 1,5,32,53

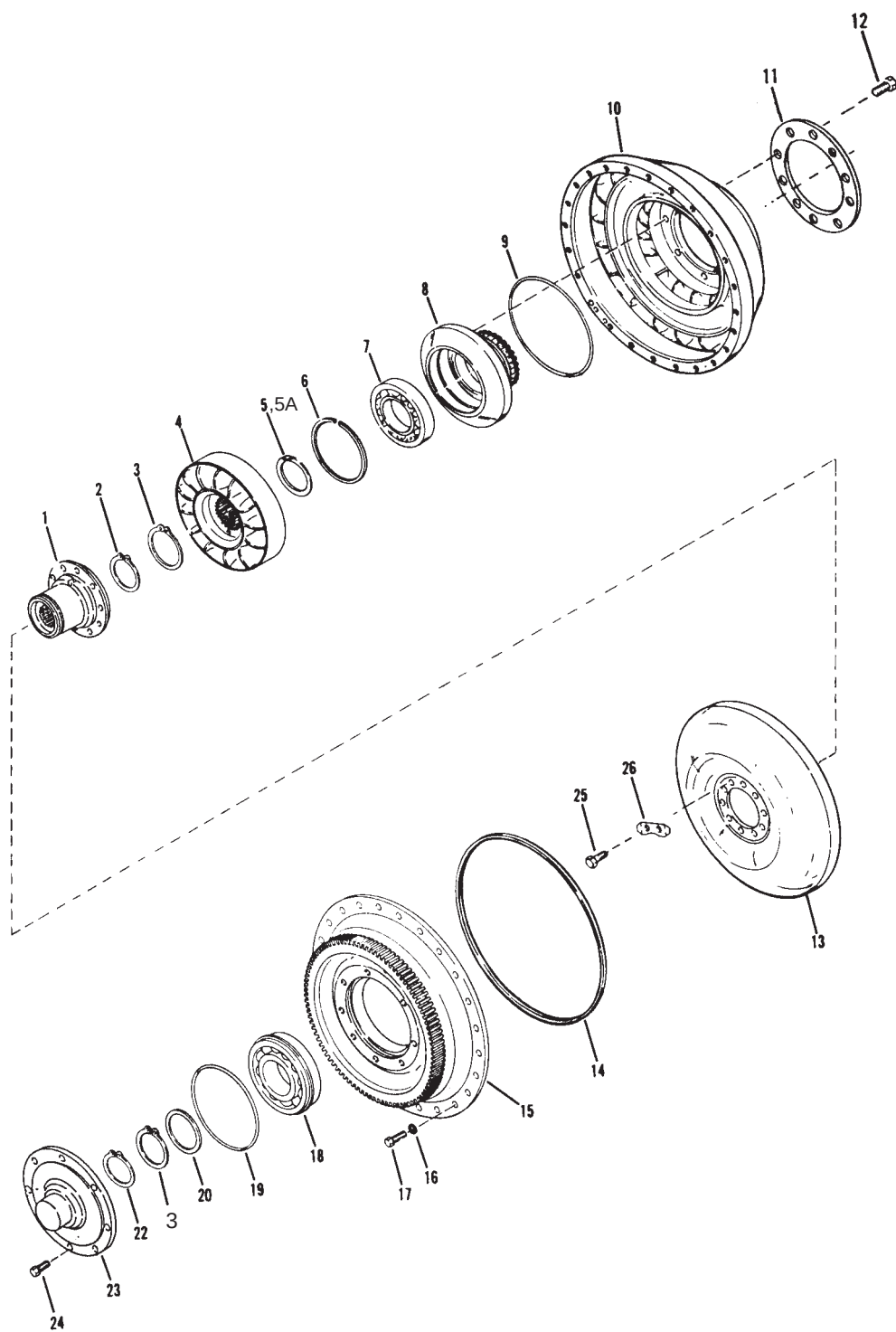
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Page Página	Module Módulo	Date Data	Description Descrição	☐	
6	KV01-0103	97-02-25	Turbine axle		



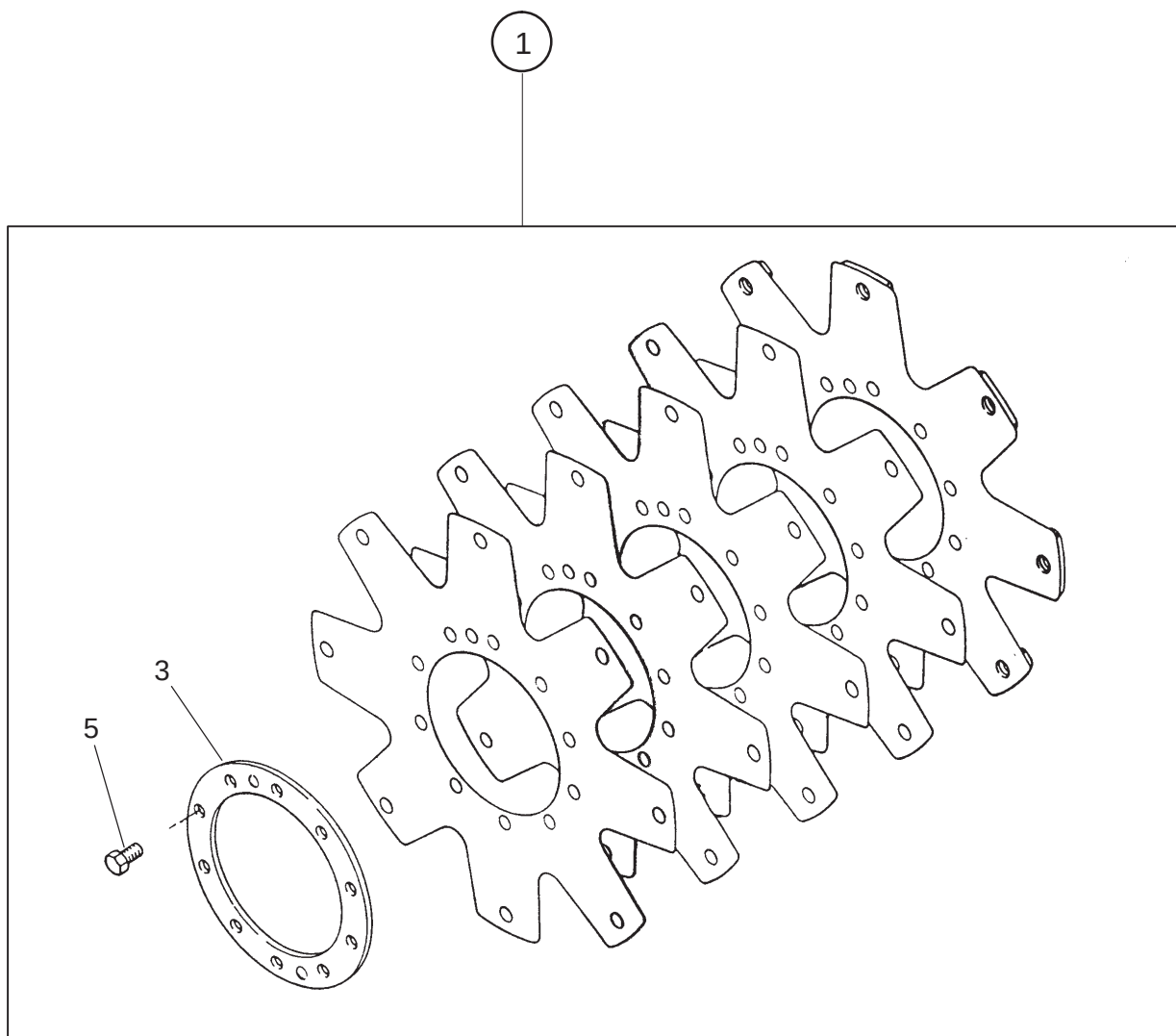
			Description Descrição			☐	Date Data	Module Módulo	Page Página
			Turbine axle				97-02-25	KV01-0103	7
Item.	Description		Order no.	Qty	S	Notes			
1	Screw	Parafuso	800821128	7		Clark	1C628		
2	Washer	Anilha	800601193	7		Clark	4E8		
3	Support	Suporte	800820059	1		Clark	243709		
4	Tube	Tubo	800820060	1		Clark	243644		
5	Piston ring	Segmento	800820720	1		Clark	248178		
6	Circlip	Freio	800820062	1		Clark	247463		
7	Washer	Anilha	800820063	1		Clark	236081		
8	Bearing	Rolamento	800820064	1		Clark	241997 Front		
8A	Bearing	Rolamento	800820064	1		Clark	249859 Rear		
9	Ring	Anel	800821088	1		Clark	250090		
11	Seal ring	Vedante	800814156	1		Clark	235593		
12	Seal ring	Vedante	800820066	1		Clark	229804		
13	Cover	Tampa	800820067	1		Clark	229813		
14	Circlip	Freio	800820068	1		Clark	229805		
15	Shaft	Eixo	800821089	1		Clark	249318		

Page Página	Module Módulo	Date Data	Description Descrição		
8	KV01-0103	97-02-25	Turbine hub		



			☐			Date Data	Module Módulo	Page Página
Description Descrição			Turbine hub			97-02-25	KV01-0103	9
Item.	Description		Order no.	Qty	S	Notes		
1	Turbine hub	Cubo da turbina	800820070	1		Clark	241993	
2	Circlip	Freio	800820743	1		Clark	248062	
3	Circlip	Freio	800820062	2		Clark	247463	
4	Wheel	Roda	800820072	1		Clark	246378	
5	Spacing ring	Anel espaçador	800820073	1		Clark	243587	
5A	Pin	Pin	800820257			Clark	302602	
6	Circlip	Freio	800820074	1		Clark	223988	
7	Bearing	Rolamento	800820075	1		Clark	225778	
8	Wheel hub	Cubo da roda	800820076	1		Clark	222266	
9	Seal ring	Vedante	800820077	1		Clark	60K40700	
10	Wheel	Roda	800820078	1		Clark	243085	
11	Support ring	Anel de suporte	800820079	1		Clark	245576	
12	Screw	Parafuso	800820080	8		Clark	245577	
13	Turbine	Turbina	800820081	1		Clark	243086	
14	Seal ring	Vedante	800820082	1		Clark	218776	
15	Cover	Tampa	800821075	1		Clark	249182	
16	Washer	Anilha	800601139	32		Clark	4E7	
17	Screw	Parafuso	800811286	32		Clark	1C724	
18	Bearing	Rolamento	800820084	1		Clark	225781	
19	Seal ring	Vedante	800820085	1		Clark	60K40608	
20	Spacing ring	Anel espaçador	800820063	1		Clark	236081	
22	Circlip	Freio	800820090	1		Clark	246238	
23	Cover	Tampa	800821076	1		Clark	249181	
24	Screw	Parafuso	800821074	14		Clark	249055	
25	Screw	Parafuso	800820088	10		Clark	2C712	
26	Lock washer	Anilha de freio	800820089	5		Clark	241368	

Page Página 10	Module Módulo KV01-0103	Date Data 97-11-07	Description Descrição Flex-plate kit	☐	
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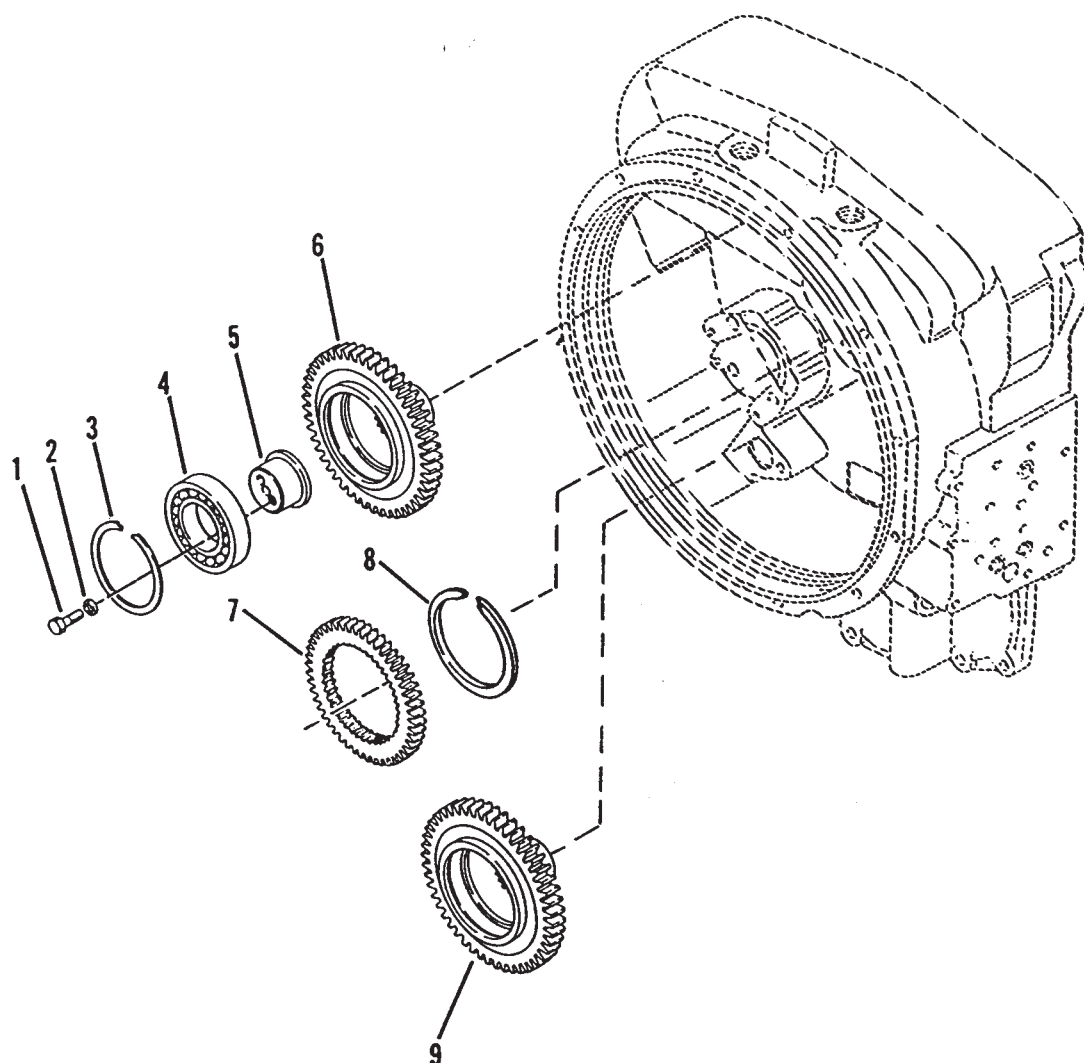


		Description Descrição Flex-plate kit			☐	Date Data 97-11-07	Module Módulo KV01-0103	Page Página 11
Item.	Description		Order no.	Qty	S	Notes		
x1	Disc set	Jogo de discos	T0209036H	1		Clark	802558	16"
xx1	Disc set	Jogo de discos	T0209037H	1		Clark	802587	15"
3	Ring	Anel	800821073	1		Clark	249054	
5	Screw	Parafuso	800821074	14		Clark	249055	

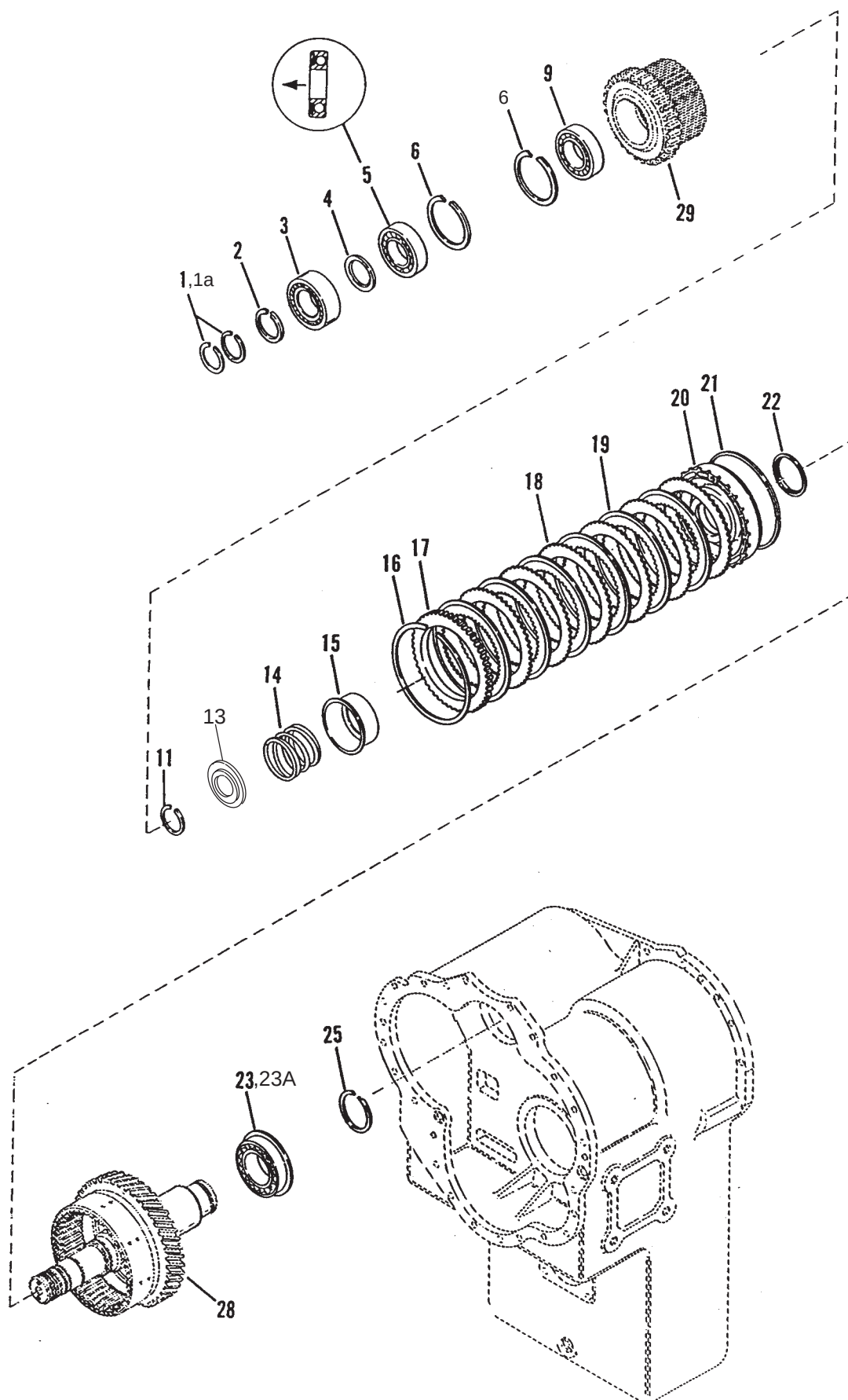
x) Use only with Cummins engine
x)

xx) Use only with Scania engine
xx)

Page Página 12	Module Módulo KV01-0103	Date Data 94-09-23	Description Descrição Gears	☐	
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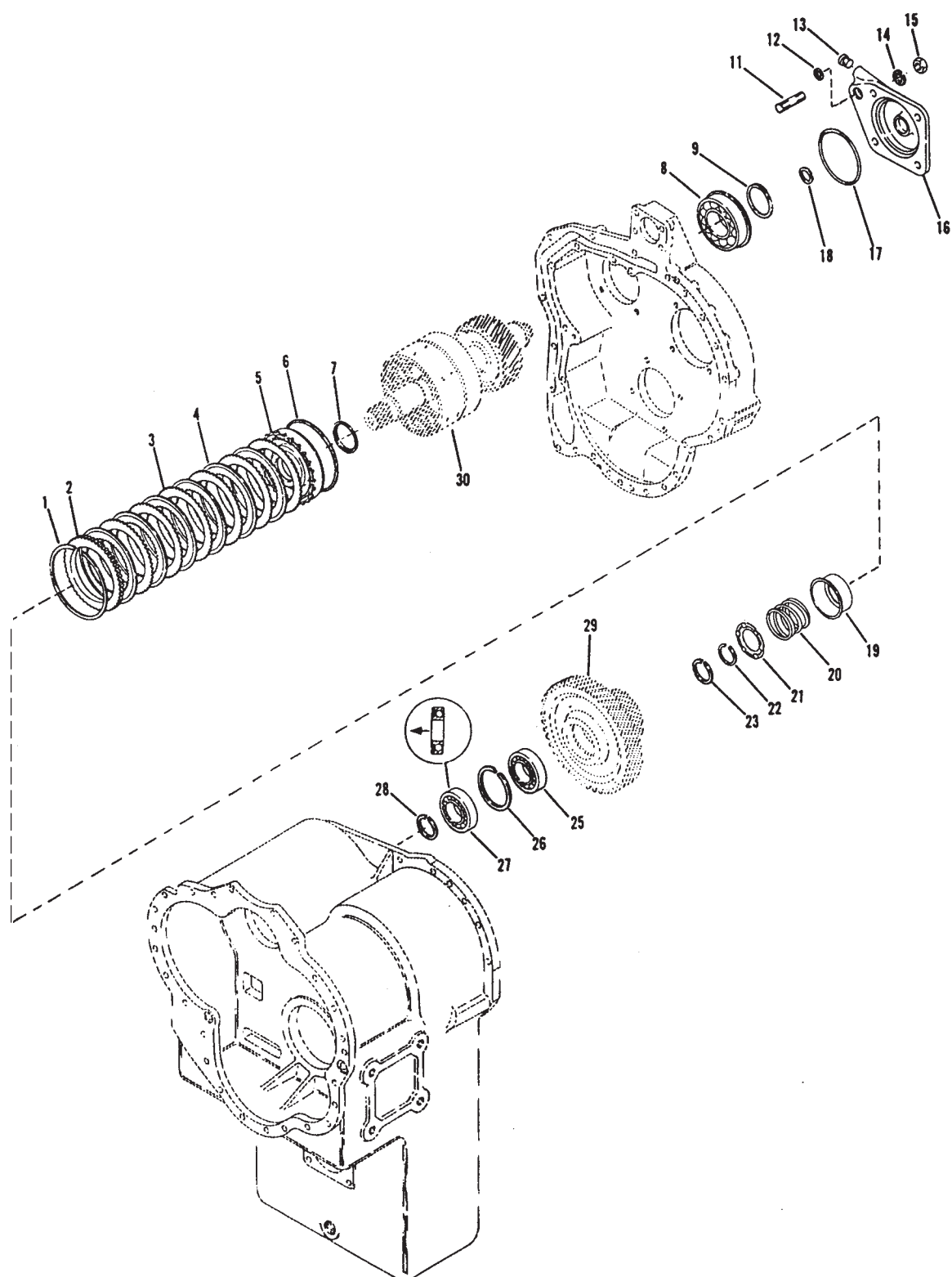


		Description Descrição Gears			☐	Date Data 94-09-23	Module Módulo KV01-0103	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		
1	Screw	Parafuso	800820091	6		Clark	2C824	
2	Washer	Anilha	800601193	6		Clark	4E8	
3	Circlip	Freio	800820375	3		Clark	247483	
4	Bearing	Rolamento	800815648	3		Clark	225605	
5	Support ring	Anel de suporte	800820093	3		Clark	243674	
6	Gear	Engrenagem	800820094	1		Clark	243699	
7	Gear	Engrenagem	800820095	1		Clark	243700	
8	Circlip	Freio	800601161	1		Clark	224009	
9	Gear	Engrenagem	800820096	2		Clark	243648	



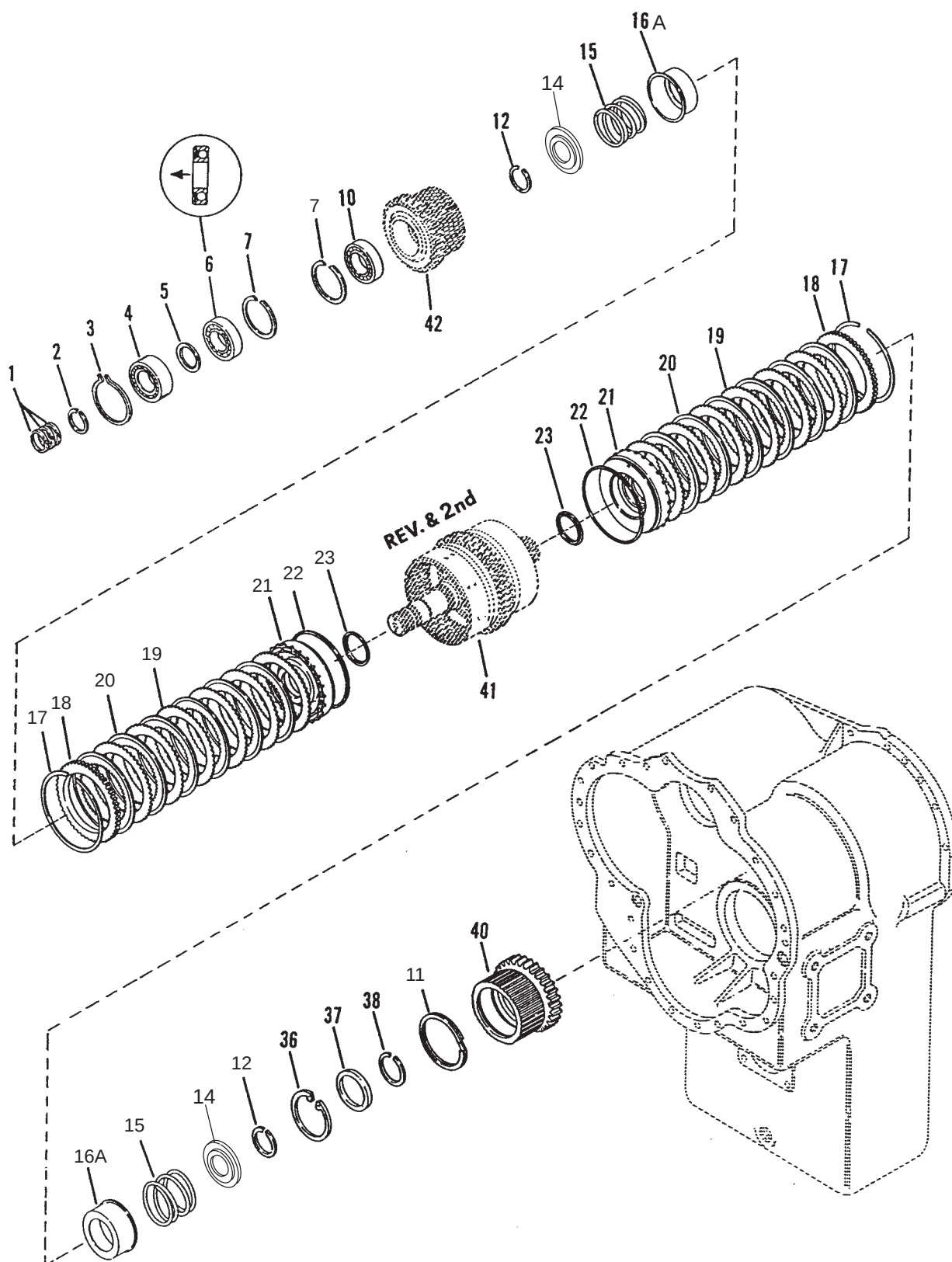
			☐			Date Data	Module Módulo	Page Página
Description Descrição			Clutch shaft			96-06-18	KV01-0103	15
Item.	Description		Order no.	Qty	S	Notes		
1	Piston ring	Segmento	800821050	2		Clark	249779	
2	Circlip	Freio	800820090	1		Clark	246238	
3	Bearing	Rolamento	800820097	1		Clark	244345	
4	Spacing ring	Anel espaçador	800820098	1		Clark	243663	
5	Bearing	Rolamento	800816827	1		Clark	233488	
6	Circlip	Freio	800816828	2		Clark	223881	
9	Bearing	Rolamento	800820100	1		Clark	237972	
11	Circlip	Freio	800815640	1		Clark	234350	
13	Retainer	Retentor	800821091	1		Clark	250260	
14	Spring	Mola	800821092	1		Clark	250259	
15	Retainer	Retentor	800821093	1		Clark	249852	
16	Circlip	Freio	800820103	1		Clark	243636	
17	Ring	Anel	800820376	1		Clark	247276	
18	Clutch disc	Disco de embraiagem	800820377	6		Clark	247273	
19	Clutch disc	Disco de embraiagem	800820378	6		Clark	244979	
20	Piston	Pistão	800820107	1		Clark	245927	
21	Seal ring	Vedante	800820108	1		Clark	245915	
22	Seal ring	Vedante	800811153	1		Clark	230857	
23	Bearing	Rolamento	800811082	1		Clark	230968	
23A	Circlip	Freio	800821094	1		Clark	249843	
25	Circlip	Freio	800820296	1		Clark	249936	
28	Shaft	Eixo	800821095	1		Clark	249926	
29	Gear	Engrenagem	800821096	1		Clark	249920	

Page Página 16	Module Módulo KV01-0103	Date Data 97-02-25	Description Descrição Clutch shaft	☐	
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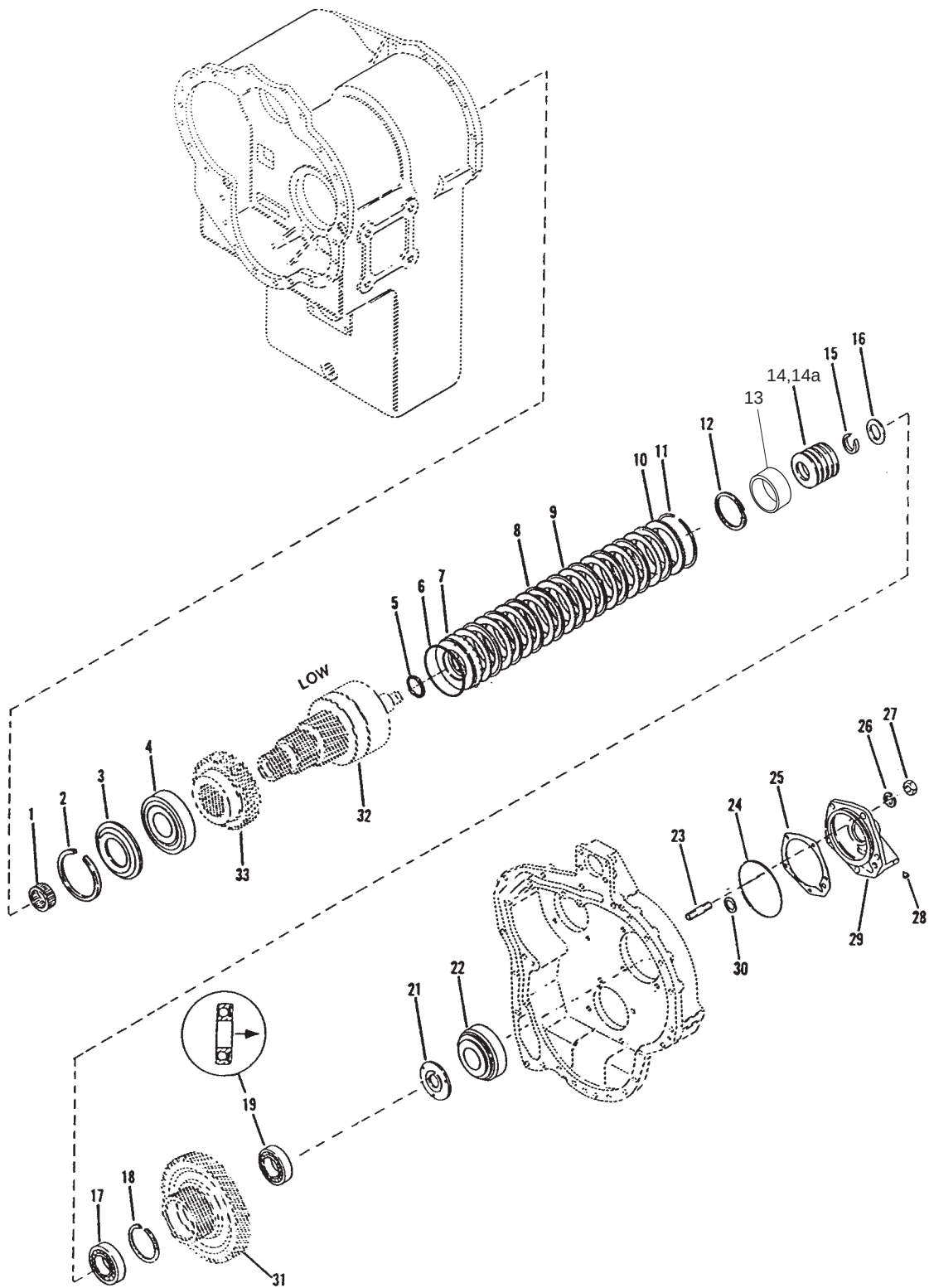


			Description Descrição Clutch shaft			Date Data 97-02-25	Module Módulo KV01-0103	Page Página 17
Item.	Description		Order no.	Qty	S	Notes		
1	Circlip	Freio	800811147	1		Clark	215190	
2	Plate	Placa	800816832	1		Clark	236810	
3	Clutch disc	Disco de embraiagem	800820380	6		Clark	247274	
4	Clutch disc	Disco de embraiagem	800816831	6		Clark	236989	
5	Piston	Pistão	800820143	1		Clark	245925	
6	Gasket	Junta	800811152	1		Clark	224771	
7	Gasket	Junta	800811153	1		Clark	230857	
8	Bearing	Rolamento	800811082	1		Clark	230968	
9	Washer	Anilha	800820110	1		Clark	237384	
11	Screw	Parafuso	800815680	4		Clark	238903	
12	Seal ring	Vedante	800820262	1		Clark	60K30016	
13	Plug	Ficha	800820139	1		Clark	47K3	
14	Washer	Anilha	800811090	4		Clark	4E9	
15	Nut	Porca	802305878	4		Clark	64D9	
16	Cover	Tampa	800821247	1		Clark	249842	
17	Seal ring	Vedante	800816986	1		Clark	60K40520	
18	Piston ring	Segmento	800821053	1		Clark	250215	
19	Spring plate	Prato de mola	800820102	1		Clark	245655	
20	Spring	Mola	800821092	1		Clark	250259	
21	Spring plate	Prato de mola	800820264	1		Clark	247297	
22	Circlip	Freio	800811245	1		Clark	232076	
23	Circlip	Freio	800811073	1		Clark	230888	
25	Bearing	Rolamento	800820265	1		Clark	244093	
26	Circlip	Freio	800601147	1		Clark	223901	
27	Bearing	Rolamento	800820132	1		Clark	244242	
28	Circlip	Freio	800811073	1		Clark	230888	
29	Gear	Engrenagem	800821245	1		Clark	249930	
30	Shaft	Eixo	800821246	1		Clark	249867	

Page Página 18	Module Módulo KV01-0103	Date Data 96-06-18	Description Descrição Clutch shaft	☐	Kalmar
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			☐			Date Data	Module Módulo	Page Página
Description Descrição			Clutch shaft			96-06-18	KV01-0103	19
Item.	Description		Order no.	Qty	S	Notes		
1	Piston ring	Segmento	800821050	3		Clark	249779	
2	Circlip	Freio	800820090	1		Clark	246238	
3	Circlip	Freio	800811244	1		Clark	230889	
4	Bearing	Rolamento	800820121	1		Clark	243200	
5	Spacing ring	Anel espaçador	800820098	1		Clark	243663	
6	Bearing	Rolamento	800816827	1		Clark	233488	
7	Circlip	Freio	800816828	2		Clark	223881	
10	Bearing	Rolamento	800820100	1		Clark	237972	
12	Circlip	Freio	800815640	2		Clark	234350	
14	Retainer	Retentor	800821097	2		Clark	250260	
15	Spring	Mola	800821098	2		Clark	250259	
16	Retainer	Retentor	800821099	2		Clark	249852	
17	Circlip	Freio	800820103	2		Clark	243636	
18	Ring	Anel	800820376	2		Clark	247276	
19	Clutch disc	Disco de embraiagem	800820377	12		Clark	247273	
20	Clutch disc	Disco de embraiagem	800820378	12		Clark	244979	
21	Piston	Pistão	800820107	2		Clark	245927	
22	Seal ring	Vedante	800820108	2		Clark	245915	
23	Seal ring	Vedante	800811153	2		Clark	230857	
36	Circlip	Freio	800820122	1		Clark	223859	
37	Ring	Anel	800820123	1		Clark	243726	
38	Circlip	Freio	800820124	1		Clark	243204	
40	Hub	Cubo	800821100	1		Clark	249865	
41	Shaft	Eixo	800821101	1		Clark	249924	
42	Gear	Engrenagem	800821096	1		Clark	249920	

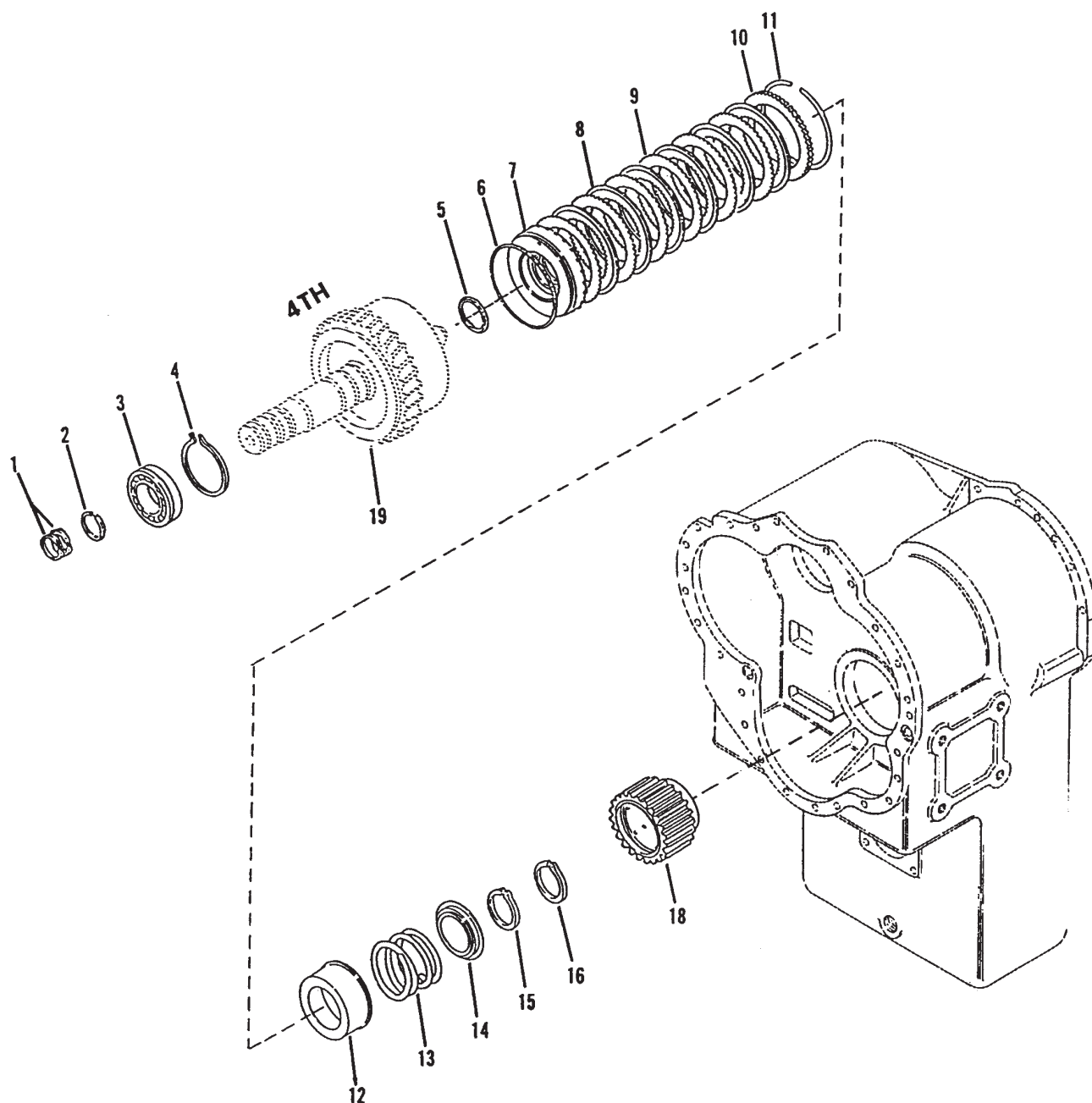


			Description Descrição Clutch shaft			Date Data 97-02-25	Module Módulo KV01-0103	Page Página 21
Item.	Description		Order no.	Qty	S	Notes		
1	Bearing	Rolamento	800815359	1		Clark	230469	
2	Circlip	Freio	800815654	1		Clark	223997	
3	Spacing ring	Anel espaçador	800820127	1		Clark	243160	
4	Bearing	Rolamento	800821103	1		Clark	249851+249850	
5	Seal ring	Vedante	800811153	1		Clark	230857	
6	Seal ring	Vedante	800820108	1		Clark	245915	
7	Piston	Pistão	800820129	1		Clark	245928	
8	Clutch disc	Disco de embraiagem	800820378	9		Clark	244979	
9	Clutch disc	Disco de embraiagem	800820377	9		Clark	247273	
10	Ring	Anel	800820376	1		Clark	247276	
11	Circlip	Freio	800820103	1		Clark	243636	
13	Retainer	Retentor	800820102	1		Clark	245655	
14	Spring	Mola	800821105	1		Clark	250259	
14a	Retainer	Retentor	800820264	1		Clark	247297	
15	Circlip	Freio	800811245	1		Clark	232076	
16	Spacing ring	Anel espaçador	800821107	1		Clark	249935	
17	Bearing	Rolamento	800820131	1		Clark	244093	
18	Circlip	Freio	800601147	1		Clark	223901	
19	Bearing	Rolamento	800820132	1		Clark	244242	
21	Washer	Anilha	800821108	1		Clark	249225	
22	Bearing	Rolamento	800820134	1		Clark	243255	
23	Stud bolt	Perne-parafuso	800815671	4		Clark	247988	
24	Seal ring	Vedante	800815670	1		Clark	60K40420	
25	Spacing plate	Disco separador	800820730	x		Clark	247547.004	
25	Spacing plate	Disco separador	800820731	x		Clark	247548.007	
25	Spacing plate	Disco separador	800820732	x		Clark	247549.010	
25	Spacing plate	Disco separador	800820733	x		Clark	247550.020	
26	Washer	Anilha	800601139	4		Clark	4E7	
27	Nut	Porca	800814166	4		Clark	64D7	
28	Plug	Ficha	800820139	1		Clark	47K3	
29	Bearing housing	Caixa rolamento	800821109	1		Clark	249226	
30	Piston ring	Segmento	800821050	1		Clark	249779	
31	Gear	Engrenagem	800821110	1		Clark	249860	
32	Shaft	Eixo	800821111	1		Clark	249858	
33	Gear	Engrenagem	800821112	1		Clark	249884	

x)Order as required.

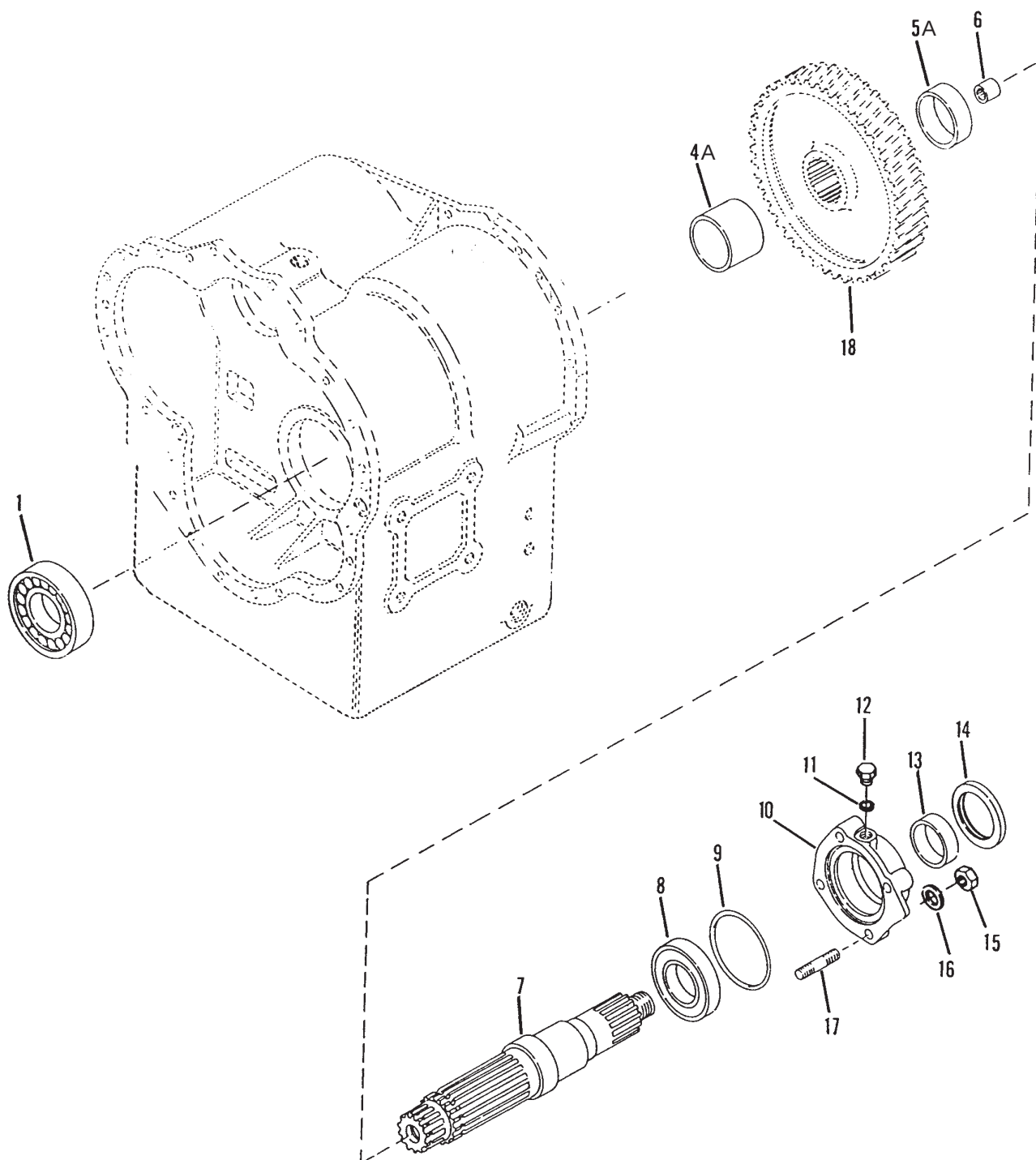
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Page Página 22	Module Módulo KV01-0103	Date Data 97-02-25	Description Descrição Clutch shaft	☐	
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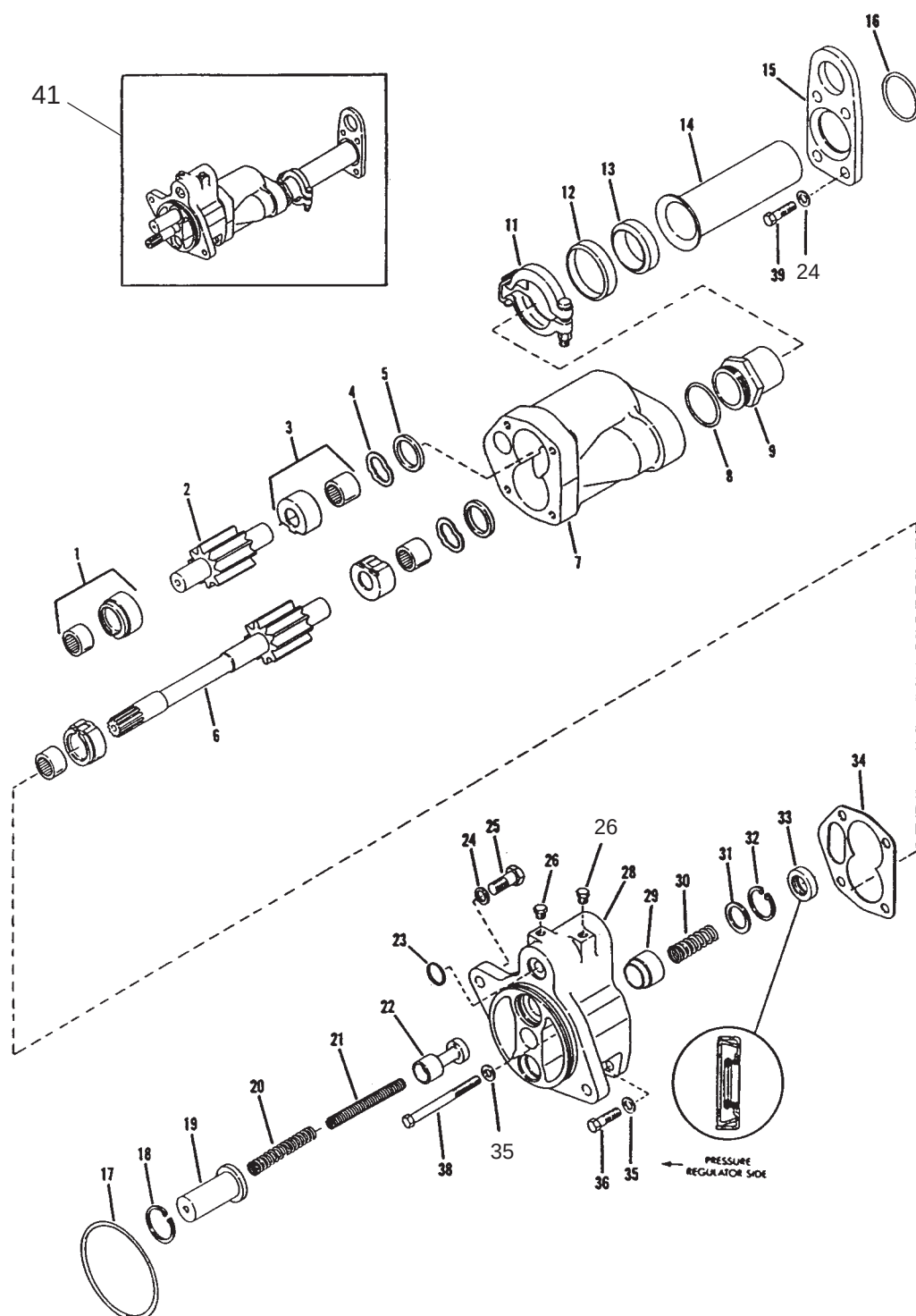
			☐			Date Data	Module Módulo	Page Página
Description Descrição			Clutch shaft			97-02-25	KV01-0103	23
Item.	Description		Order no.	Qty	S	Notes		
1	Piston ring	Segmento	800821050	2		Clark	249779	
2	Circlip	Freio	800821113	1		Clark	239003	
3	Bearing	Rolamento	800821114	1		Clark	249199	
4	Circlip	Freio	800815568	1		Clark	234229	
5	Seal ring	Vedante	800811153	1		Clark	230857	
6	Seal ring	Vedante	800820108	1		Clark	245915	
7	Piston	Pistão	800820107	1		Clark	245927	
8	Clutch disc	Disco de embraiagem	800820378	6		Clark	244979	
9	Clutch disc	Disco de embraiagem	800820259	6		Clark	247273	
10	Plate	Placa	800820104	1		Clark	247276	
11	Circlip	Freio	800820103	1		Clark	243636	
12	Washer	Anilha	800811060	1		Clark	232088	
13	Spring	Mola	800821116	1		Clark	250259	
14	Retainer	Retentor	800811058	1		Clark	232089	
15	Circlip	Freio	800815640	1		Clark	234350	
16	Circlip	Freio	800820145	1		Clark	243979	
18	Hub	Cubo	800821118	1		Clark	249866	
19	Shaft	Eixo	800821119	1		Clark	249928	

Page Página 24	Module Módulo KV01-0103	Date Data 97-02-26	Description Descrição Output shaft	☐	
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			Description Descrição Output shaft			Date Data 97-02-26	Module Módulo KV01-0103	Page Página 25
Item.	Description		Order no.	Qty	S	Notes		
1	Bearing	Rolamento	800820148	1		Clark	243977	
4A	Spacing ring	Anel espaçador	800821120	1		Clark	249931	
5A	Spacing ring	Anel espaçador	800821120	1		Clark	249931	
6	Bearing	Rolamento	800811072	1		Clark	230886	
7	Shaft	Eixo	800821121	1		Clark	249933	
8	Bearing	Rolamento	800821122	1		Clark	249934	
9	Seal ring	Vedante	800821123	1		Clark	60K40600	
10	Cover	Tampa	800821124	1		Clark	249932	
11	Seal ring	Vedante	800818711	1		Clark	60K30020	
12	Plug	Ficha	800817201	1		Clark	1KM18	
13	Spacing ring	Anel espaçador	800820343	1		Clark	244441	
14	Seal ring	Vedante	800820157	1		Clark	225763	
15	Nut	Porca	802305878	4		Clark	64D9	
16	Washer	Anilha	800821125	4		Clark	4E9	
17	Stud bolt	Perne-parafuso	800820158	4		Clark	244078	
18	Gear	Engrenagem	800820159	1		Clark	244420	

Page Página 26	Module Módulo KV01-0103	Date Data 97-02-25	Description Descrição Pump and valve	☐	
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			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Pump and valve			97-02-25	KV01-0103	27
Item.	Description		Order no.	Qty	S	Notes		
1	Bearing	Rolamento	800816738	2		Clark	233283	
2	Shaft	Eixo	800820161	1		Clark	238119	
3	Bearing	Rolamento	800816740	2		Clark	234641	
4	Ring	Anel	800813987	2		Clark	234640	
5	Seal ring	Vedante	800813968	2		Clark	234643	
6	Shaft	Eixo	800820162	1		Clark	243731	
*7	Pump	Bomba	800821248	1		Clark	250227	
8	Seal ring	Vedante	800820164	1		Clark	91F12	
9	Fitting	União	800820165	1		Clark	243642	
11	Clip	Grampo	800820166	1		Clark	243641	
12	Circlip	Freio	800820167	1		Clark	243640	
13	Gasket	Junta	800820168	1		Clark	243639	
14	Tube	Tubo	800821249	1		Clark	250226	
15	Flange	União	800820170	1		Clark	243702	
16	Seal ring	Vedante	800820171	1		Clark	60K60124	
17	Seal ring	Vedante	800820118	1		Clark	60K40424	
18	Circlip	Freio	800820172	1		Clark	244718	
19	Retainer	Retentor	800820173	1		Clark	243974	
20	Spring	Mola	800820389	1		Clark	247801	
21	Spring	Mola	800820390	1		Clark	247802	
22	Spool	Bobina	800820176	1		Clark	243688	
23	O-ring	O'ring	800811208	1		Clark	60K40026	
24	Washer	Anilha	800601193	6		Clark	4E8	
25	Screw	Parafuso	800820177	2		Clark	1C824	
26	Plug	Ficha	800820178	2		Clark	24K3	
**28	Valve	Valvula	800820391	1		Clark	247755	
29	Safety valve	Valvula segurança	800820392	1		Clark	247752	
30	Spring	Mola	800820181	1		Clark	243646	
31	Circlip	Freio	800820182	1		Clark	243722	
32	Circlip	Freio	800820868	1		Clark	247486	
33	Seal ring	Vedante	800811287	1		Clark	456294	
34	Gasket	Junta	800815806	1		Clark	238116	
35	Washer	Anilha	800601119	4		Clark	4E6	
36	Screw	Parafuso	800815801	2		Clark	1C620	
38	Screw	Parafuso	800820184	2		Clark	1C664	
39	Screw	Parafuso	800601163	4		Clark	1C820	
♦41	Pump+valve		800821250	1		Clark	250228	

*)Incl. parts 1 –6,10

*)

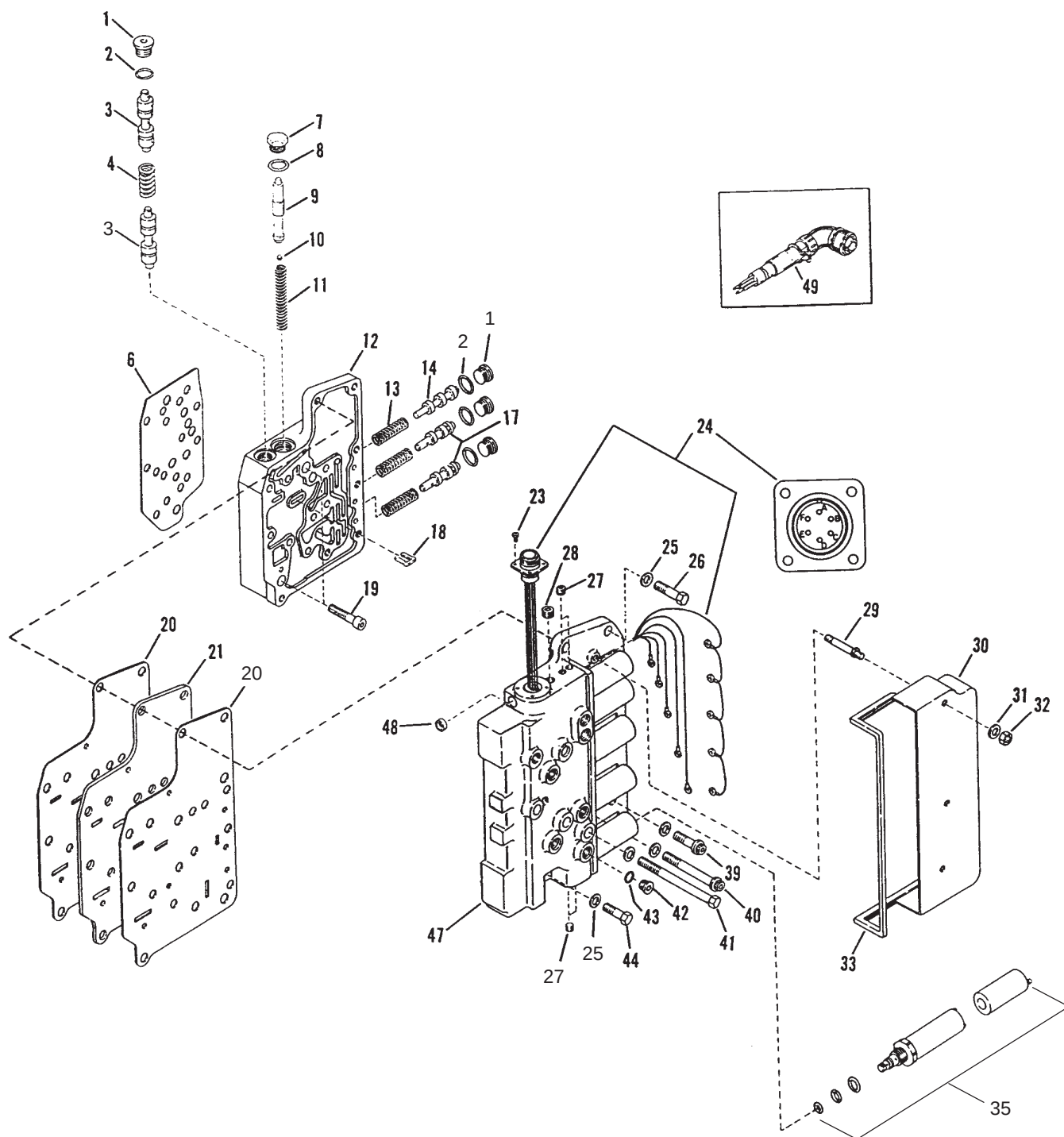
**)Incl. parts 18 –22,26 –33

**))

♦)Incl. parts 7,28,34 –38

♦)

Page Página 28	Module Módulo KV01-0103	Date Data 94-09-27	Description Descrição Valve housing	☐	
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			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Valve housing			94-09-27	KV01-0103	29
Item.	Description		Order no.	Qty	S	Notes		
1	Plug	Ficha	800816556	4		Clark	47K6	
2	Seal ring	Vedante	800815177	4		Clark	91F6	
3	Spool	Bobina	800820202	2		Clark	246015	
4	Spring	Mola	800820203	1		Clark	246016	
6	Gasket	Junta	800820736	1		Clark	248461	
7	Plug	Ficha	800816847	1		Clark	47K7	
8	O-ring	O'ring	800811160	1		Clark	91F7	
*9	Spool	Bobina	800820205	1		Clark	244038	
10	Plug	Ficha	800816837	1		Clark	239243	
11	Spring	Mola	800816578	1		Clark	234181	
**12	Housing	Caixa	800820274	1		Clark	246147	
13	Spring	Mola	800816558	3		Clark	240381	
14	Spool	Bobina	800820275	1		Clark	244037	
17	Spool	Bobina	800820208	2		Clark	244036	
18	Guard	Proteccáo	800815711	1		Clark	234170	
19	Screw	Parafuso	800820209	2		Clark	73G628	
20	Gasket	Junta	800820737	2		Clark	248460	
21	Gasket	Junta	800820186	1		Clark	244062	
23	Screw	Parafuso	800820187	4		Clark	42G404	
24	Wiring set	Conjunto instalação elect.	800820188	1		Clark	244057	
25	Washer	Anilha	800601119	14		Clark	4E6	
26	Screw	Parafuso	800815801	2		Clark	1C620	
27	Plug	Ficha	800811162	4		Clark	16F1	
28	Plug	Ficha	800811035	1		Clark	16F2	
29	Screw	Parafuso	800820191	3		Clark	244060	
30	Cover	Tampa	800820192	1		Clark	244058	
31	Washer	Anilha	800811041	3		Clark	25E13	
32	Nut	Porca	800820193	3		Clark	64D4	
33	Gasket	Junta	800820194	1		Clark	244059	
35	Solenoid	Bobina	800816715	4		Clark	240224	
39	Screw	Parafuso	800820195	4		Clark	93G620	
40	Screw	Parafuso	800820196	2		Clark	93G648	
41	Screw	Parafuso	800820197	5		Clark	1C668	
42	Plug	Ficha	800820139	8		Clark	47K3	
43	Seal ring	Vedante	800820198	8		Clark	91F3	
44	Screw	Parafuso	800601192	1		Clark	1C616	
♦47	Housing	Caixa	800820199	1		Clark	245092	
48	Plug	Ficha	800815621	1		Clark	16F6	
49	Wire	Fio electrico	800818740	1		Clark	242156	

*)Incl. parts 10

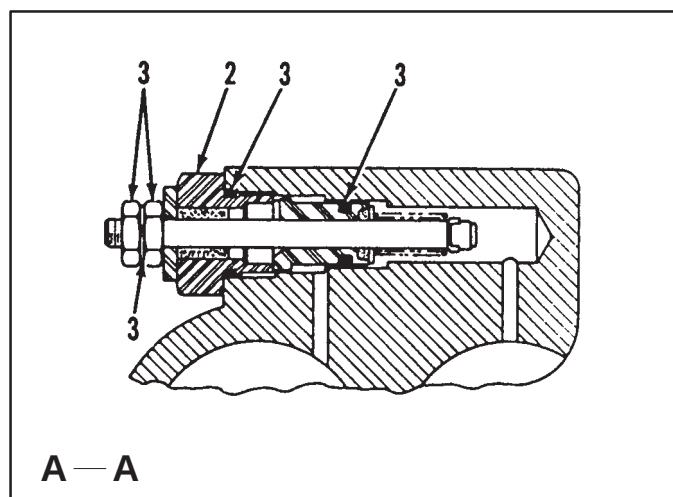
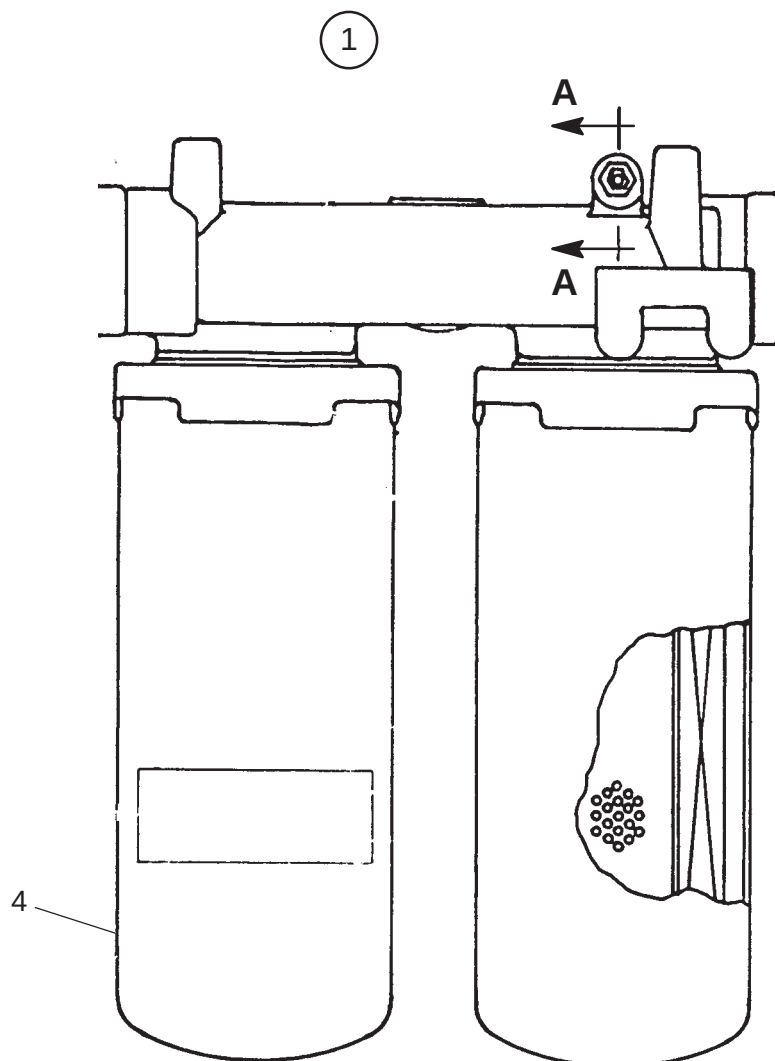
*)

**)Incl. parts 1-4,13-17

**)

♦)Incl. parts 27,28,42,43

♦)



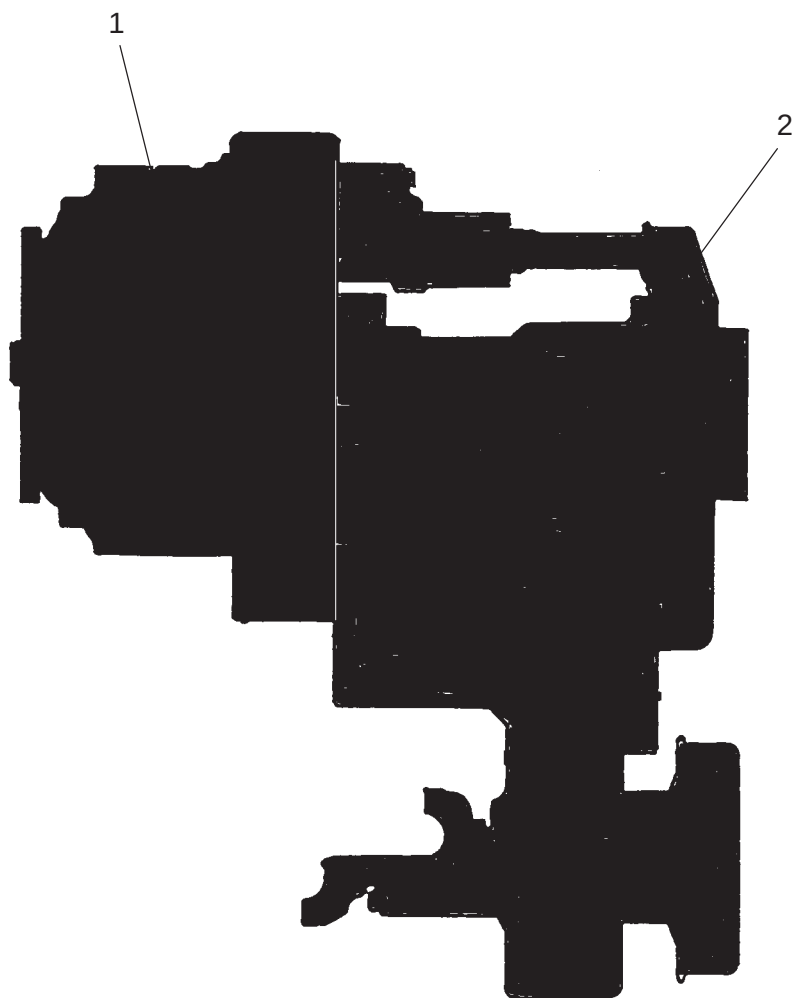
		Description Descrição Oil filter			☐	Date Data 94-09-28	Module Módulo KV01-0103	Page Página 31
Item.	Description		Order no.	Qty	S	Notes		

1	Oil filter	Filtro de óleo	800820210	1		Clark	246787
**2	Indicator	Indicador	800820212	1		Clark	244780
3	Gasket+nut	Junta+porca	800820213	1		Clark	244781
4	Filter element	Elemento de filtro	800820026	2		Clark	243622

**incl. part 3

**)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
32	KV01-0103	94-09-29	Sealing kit		



		Description Descrição Sealing kit			☐	Date Data 94-09-29	Module Módulo KV01-0103	Page Página 33
Item.	Description	Order no.	Qty	S	Notes			

*1	Gasket set Jogo juntas	800820214	1		Clark	802371		
**2	Gasket set Jogo juntas	800820215	1		Clark	802374		

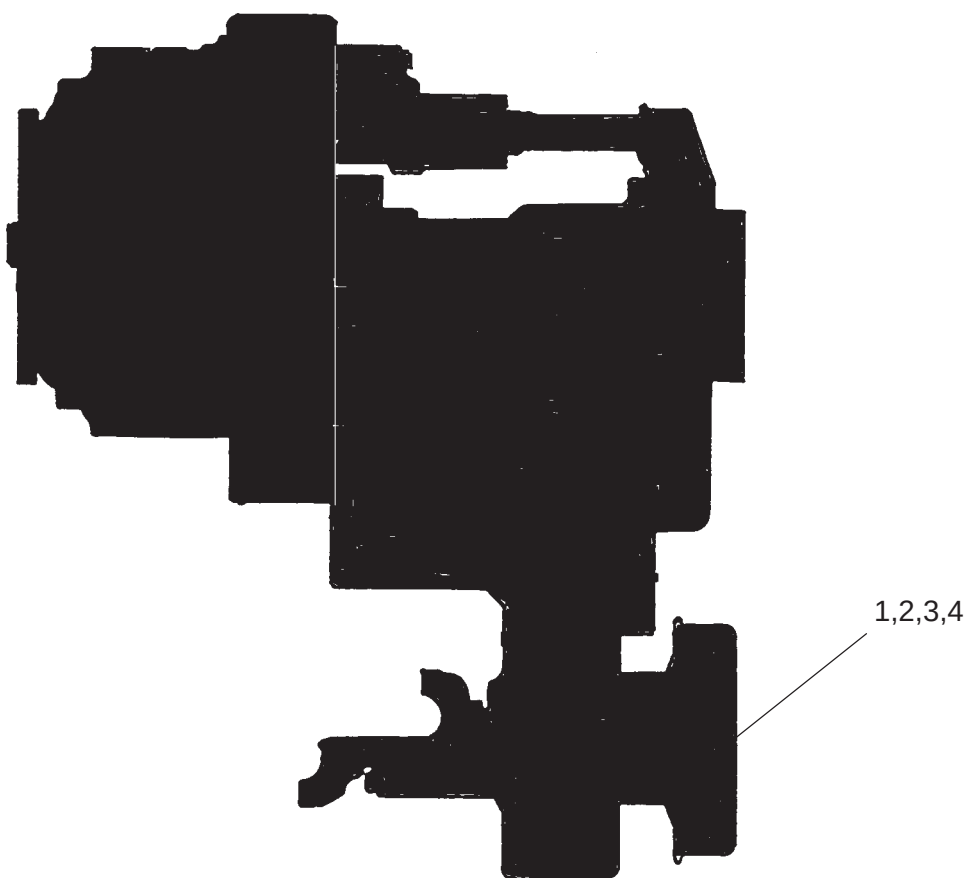
*)Gasket set for converter

*)

**)Gasket set for transmission

**)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
34	KV01-0103	94-10-03	Flange		



		Description Descrição Flange			☐	Date Data 94-10-03	Module Módulo KV01-0103	Page Página 35
Item.	Description		Order no.	Qty	S	Notes		
1	Flange	União	800820277	1		Clark	219365	
2	Nut	Porca	800811094	1		Clark	215634	
3	Washer	Anilha	800820217	1		Clark	222181	
4	Seal ring	Vedante	800820278	1		Clark	25K60204	

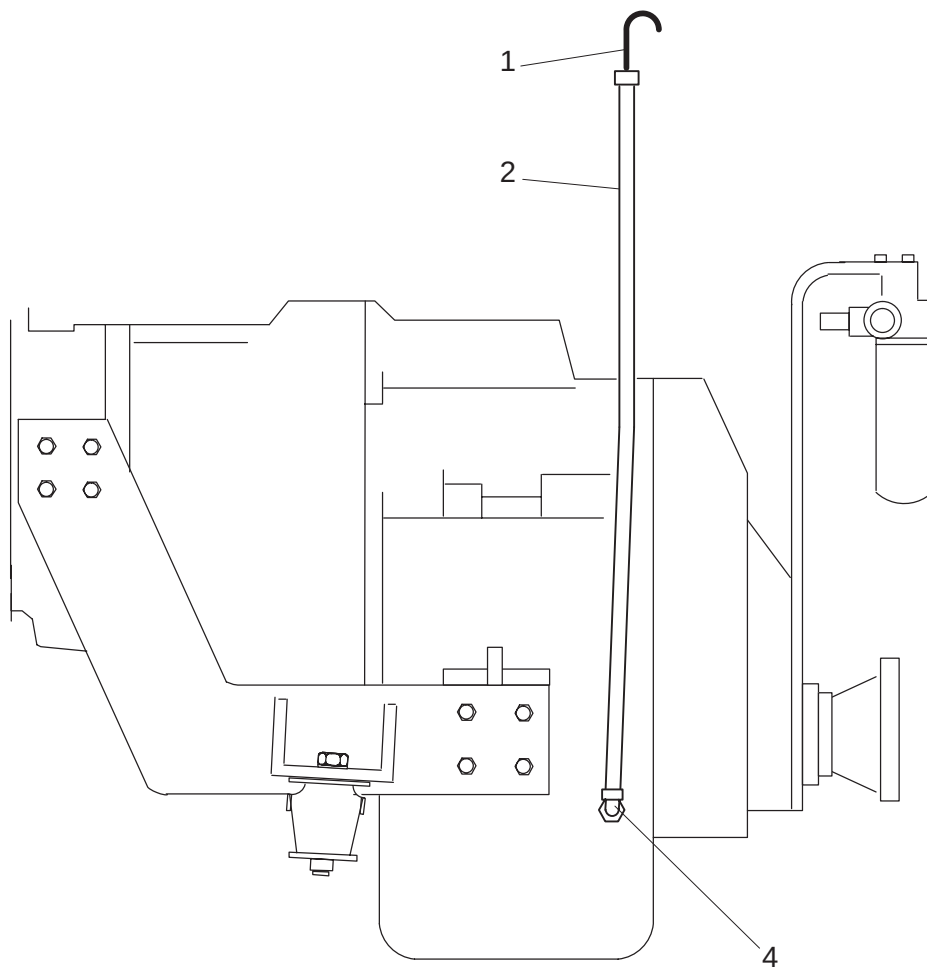
	Revision Revisão	☐ Date Data 98-10-15	Module Módulo KV01-0110	Page Página 1/3
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KV01-0110

Dipstick/ Gearbox

Vareta de óleo/caixa de câmbio

Page Página	Module Módulo	Date Data	Description Descrição		
2	KV01-0110	98-10-15	Power take-off,mount.		



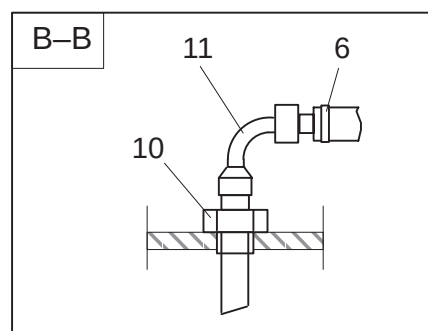
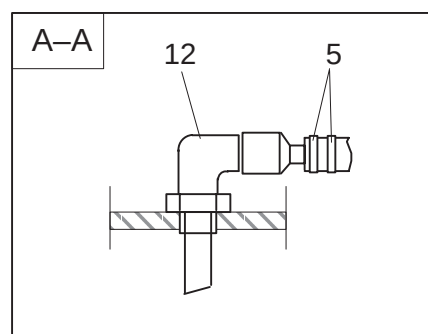
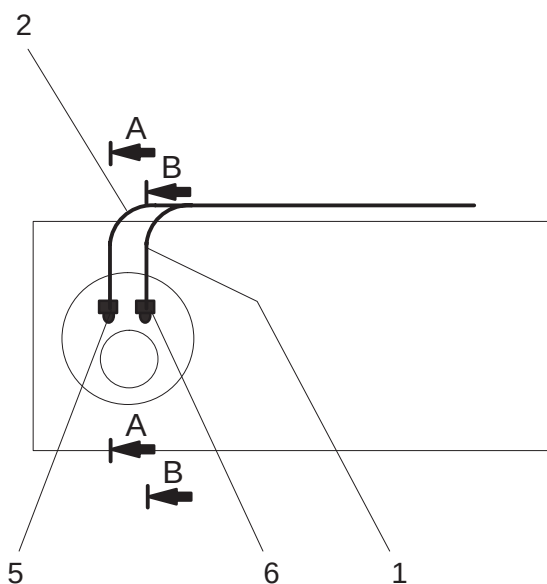
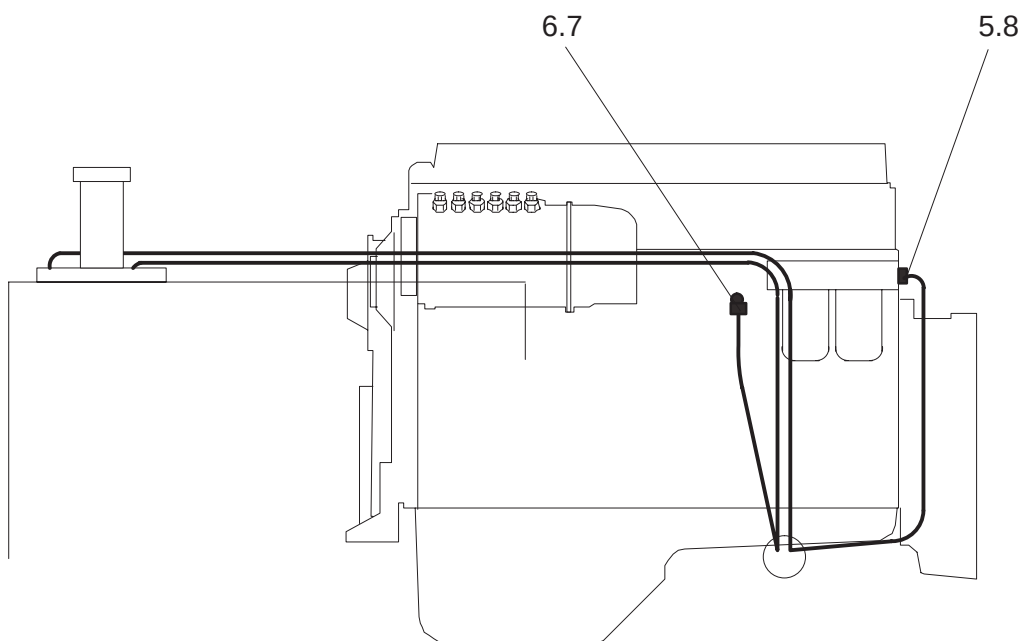
		Description Descrição Power take-off,mount.			☐	Date Data 98-10-15	Module Módulo KV01-0110	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Dipstick	Vareta	K5680601	1		VL054110/11 3/4-16UNF		
2	Tube	Tubo	K5680610	1				
4	Fitting	União	64306015	1				

KV01-0105

Fuel System

Sistema de combustível

Page Página 2	Module Módulo KV01-0105	Date Data 93-04-07	Description Descrição Fuel system	
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		Description Descrição Fuel system	☐		Date Data 93-04-07	Module Módulo KV01-0105	Page Página 3
Item.	Description		Order no.	Qty	S	Notes	
1	Hose	Tubo	68510313	x		OILI	10013 B+Ö
2	Hose	Tubo	68510316	x		OILI	10016 B+Ö
5	Hose clip	Abraçadeira	60275729	3			23-27
6	Hose clip	Abraçadeira	60275722	2			19-23
7	Fitting	União	64302208	1		Aeroq	4797-8
8	Fitting	União	64302210	1		Aeroq	4797-10
10	Fitting	União	643445162	1			VLS62021 16JIC/R1/2
11	Fitting	União	64312208	1		HYMAT	PS285-10-8 1/2
12	Tube	Tubo	T5519040	1			

x) Order as required (min. delivery length 1 m).

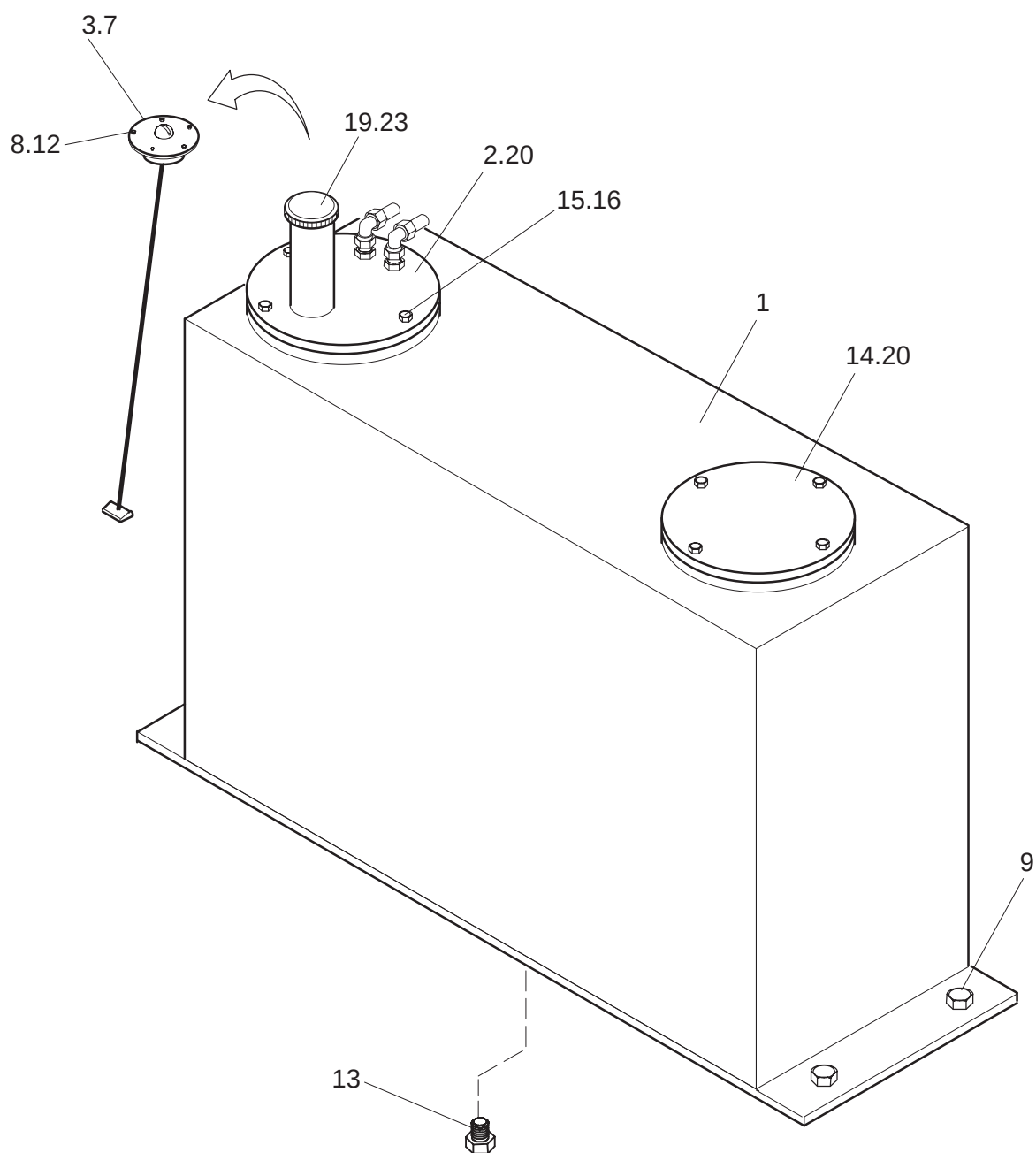
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV01-0106	Page Página 1/3
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KV01-0106

Fuel System

Sistema de combustível

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV01-0106	97-03-18	Fuel Tank		



			☐		Date Data	Module Módulo	Page Página
Description Descrição Fuel Tank					97-03-18	KV01-0106	3
Item.	Description		Order no.	Qty	S	Notes	
1	Fuel tank	Depósito de combustível	T5506350	1			
*2	Cover	Tampa	T5519010	1			
3	Seal ring	Vedante	65494371	1		VDO	2251006
7	Sensor	Sensor	654612571	1		VDO	224.082/014/002 686mm
8	Screw	Parafuso	53060104	6		ISO4017	M6x10
9	Screw	Parafuso	53060180	4		ISO4017	M10x25
12	Washer	Anilha	50052060	6		DIN7980	6
13	Plug	Ficha	730000610	1			No61 M22x1.5
14	Cover	Tampa	T5047970	1			
15	Screw	Parafuso	53060138	8		ISO4017	M8x20
16	Seal ring	Vedante	61588081	8		DIN7603	A8x11.5
19	Cap	Tampão	K2309057H	1		Sisu	0954006040
20	Seal ring	Vedante	61442990	2		SMS1586	O299.3X5.7
23	Pin	Pino	59415178	1		DIN94	3.2x16

* incl. parts 19.20.23

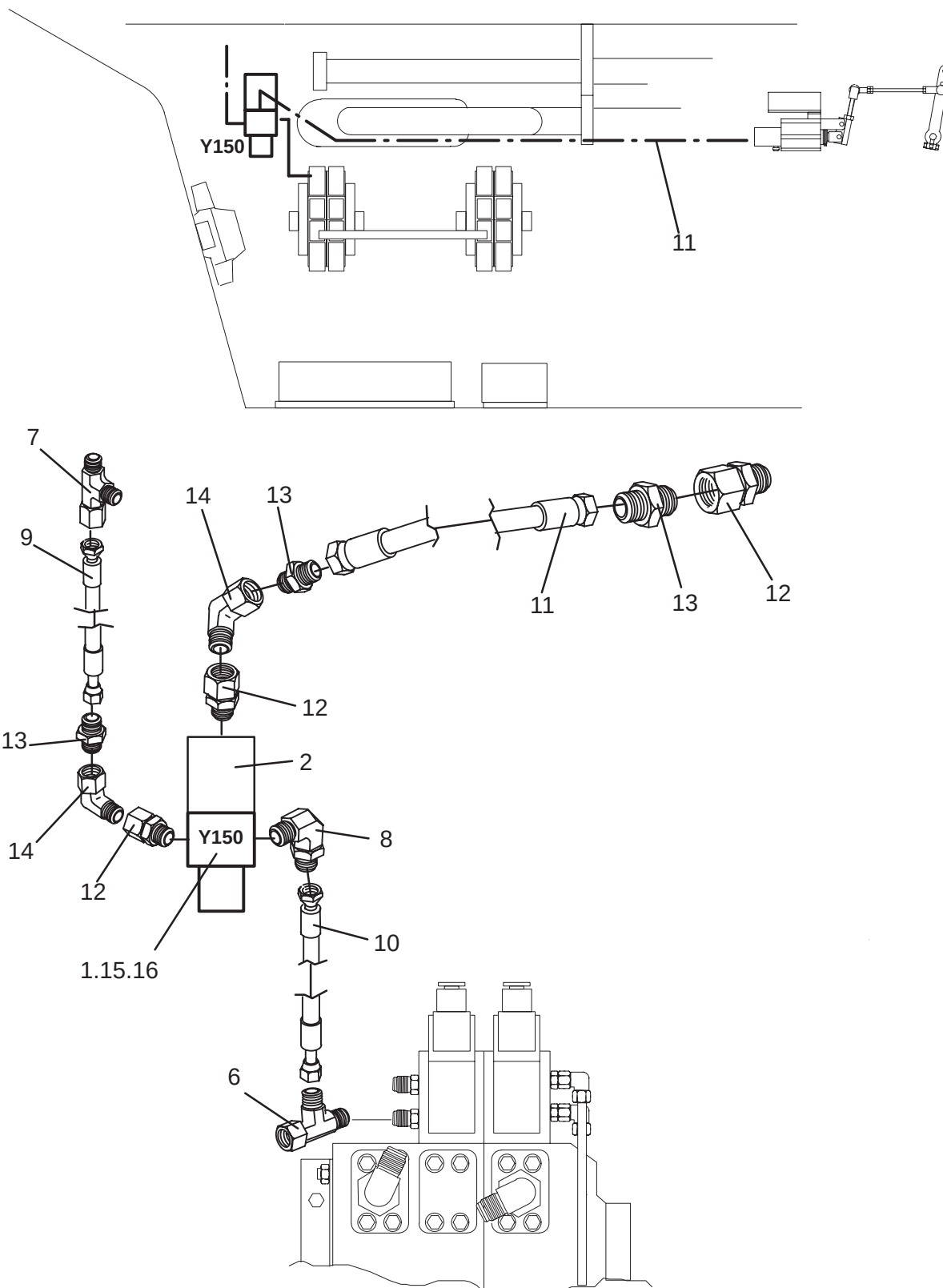
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV01-0107	Page Página 1/5
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KV01-0107

Control equipment for power unit

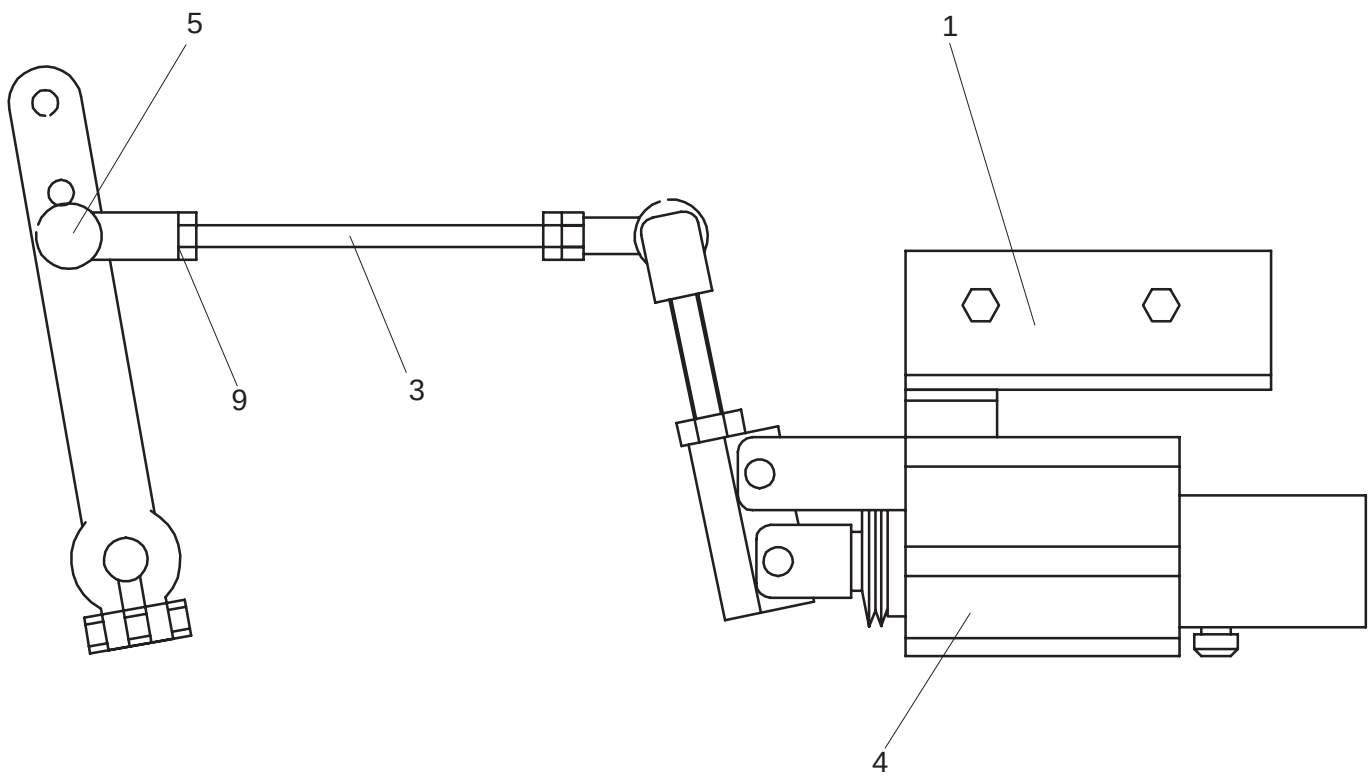
Equipamento de controle da unidade de potência

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV01-0107	96-02-09	Valve, mounth.	



		Description Descrição Valve, mounth.	☐		Date Data 96-02-09	Module Módulo KV01-0107	Page Página 3
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	65267363	1		CONVER G 068541-0124	
2	Support	Suporte	T5613840	1			
6	Union/T	União/T	643485101	1		PARKE 6R6XS	
7	Union/T	União/T	643485102	1		PARKE 10R6XS	
8	Fitting	União	643449101	1		VLS62025 10JIC/R1/4	
9	Hose	Tubo	VL5402906	1			
10	Hose	Tubo	VL5400005	1			
11	Hose	Tubo	VL5403629	1			
12	Fitting	União	642559101	3		VLS62022 10JIC/R1/4	
13	Union/reducer	União/	643056062	3		VLS62038 16/10JIC	
14	Fitting	União	64345710	2		VLS62033 10JIC/9/16-18	
15	Solenoid	Bobina	800041414	1		RMH 68540-24	
16	Gasket set	Jogo juntas	800041413	1		RMH R685	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
4	KV01-0107	96-02-09	Adjusting device		



		Description Descrição Adjustingdevice			☐	Date Data 96-02-09	Module Módulo KV01-0107	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1	Support	Suporte	T5613690	1				
3	Rod	Veio	T5613810	1				
4	Cylinder	Cilindro	65267364	1		876400-002		
5	Elbow	Cotovelo	769014268	1		DIN71802 A10		
9	Nut	Porca	50410060	2		ISO4032 M6-8		

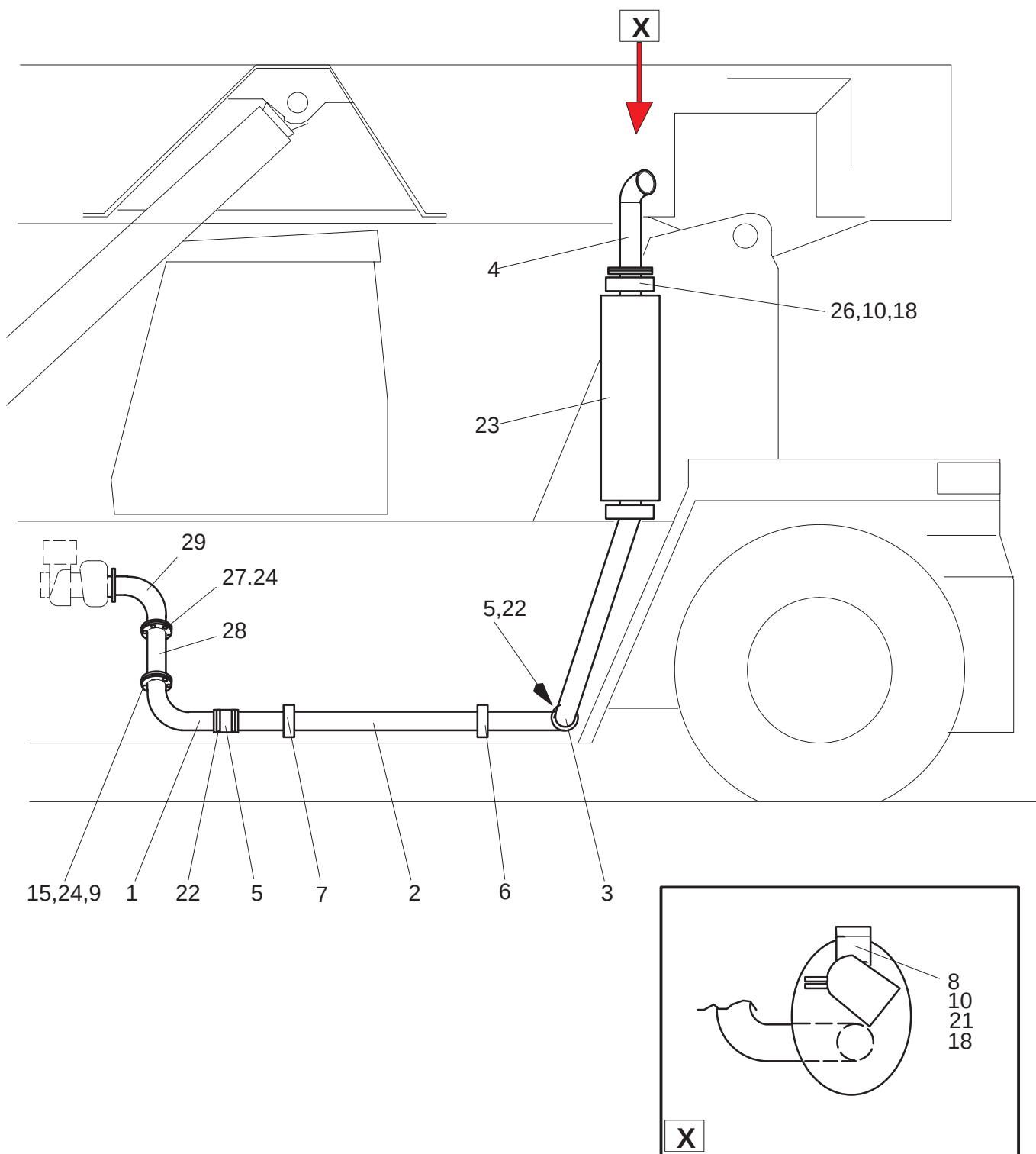
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV01-0108	Page Página 1/3
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KV01-0108

Exhaust Manifold

Tubulação de escape

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV01-0108	97-10-08	Exhaust manifold		



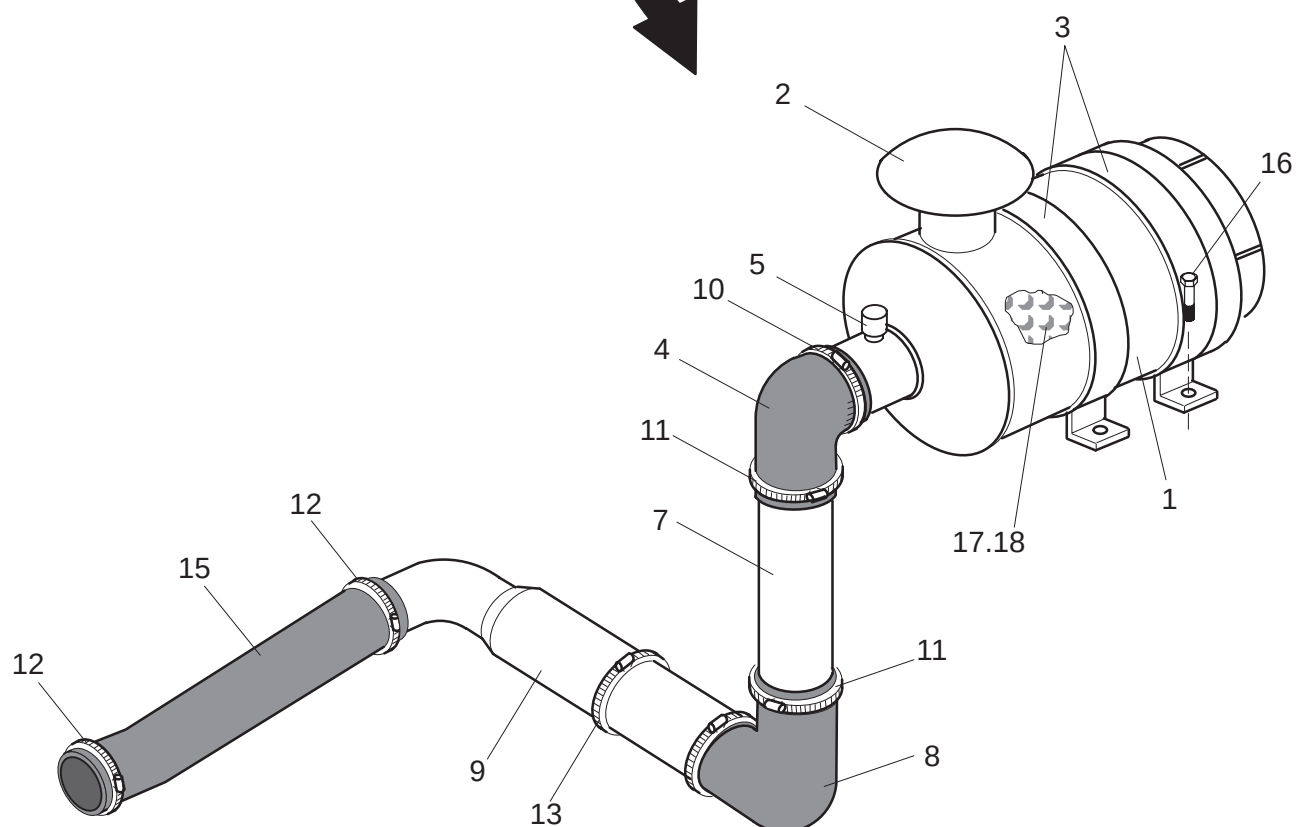
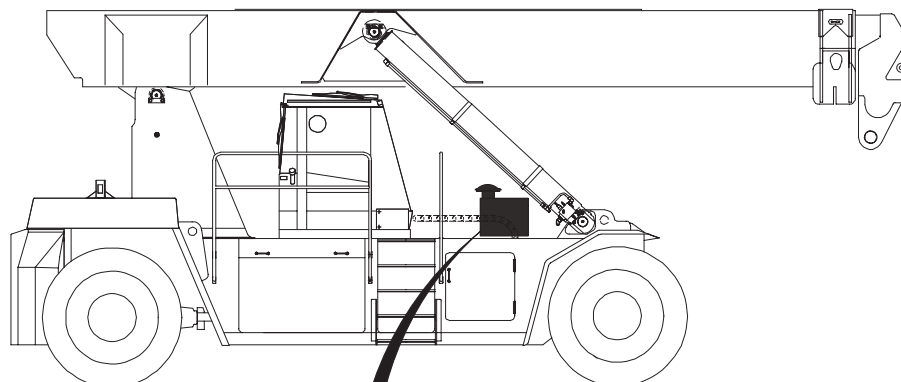
			Description Descrição Exhaust manifold		Date Data 97-10-08	Module Módulo KV01-0108	Page Página 3
Item.	Description		Order no.	Qty	S	Notes	
1	Tube	Tubo	K5672190	1			
2	Tube	Tubo	K5672180	1			
3	Tube	Tubo	K5673100	1			
4	Tube	Tubo	K5673590	1			
5	Sleeve	Casquilho	T5506120	2			
6	Support	Suporte	T5612710	2			
7	Fastener	Ligador	N5512780	3			
8	Support	Suporte	K5673390	1			
9	Support	Suporte	K5673110	1			
10	Screw	Parafuso	53060182	6		ISO4017	M10x35
13	Screw	Parafuso	53060181	6		ISO4017	M10x30
15	Screw	Parafuso	58130503	6		SFS2219	M10x30
18	Nut	Porca	50410100	20		ISO4032	M10-8
21	Washer	Anilha	50012100	16		DIN125	10;5
22	Clip	Grampo	T0909036H	4		Starl	1845 110-114
23	Muffler	Silenciador	T0909052H	1		Turbof	5"
24	Gasket	Junta	807001270	2		Scani	222499
26	Clamp	Grampo	T5612920	2			
27	Flange	União	T5506160	1			
28	Flexible pipe	Tubo flexível	807001271	1		Scani	232006
29	Tube	Tubo	800039138	1		Cummi	200766

KV01-0109

Air Filter

Filtro de ar

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV01-0109	98-02-02	Air Filter	



			☐			Date Data	Module Módulo	Page Página
Description Descrição Air Filter						98-02-02	KV01-0109	3
Item.	Description		Order no.	Qty	S	Notes		
*1	Air filter, compl.	Filtro de ar	K1001086H	1		DONAL	FRG15-0092	
2	Rain protection	Protecção contra a chuva	K1001087H	1		DONAL	GAH00-0607	
3	Clamp	Grampo	K1001089H	2		DONAL	P01-6845	
4	Rubber bend	Curva de borracha	K1001102H	1		DONAL	P14-3895	
5	Vacuum gauge	Indicador de vácuo	M1009001H	1		DONAL	RA-XOO-2351	
7	Tube	Tubo	K5671420	1				
8	Rubber bend	Curva de borracha	K5154670	1				
9	Tube	Tubo	K5671370	1				
10	Clip	Grampo	602817170	1		NORMA	GBS170/25-2TLG	
11	Clip	Grampo	602817146	3		NORMA	GBS146/20-2TLG	
12	Clip	Grampo	602827915	2		NORMA	S115/25 SK	
13	Clip	Grampo	602817165	2		NORMA	136-163 (130-65ABA)	
15	Hose	Tubo	68512597	x			VLS616.04100	
16	Screw	Parafuso	53060176	4		ISO4017	M10x16	
15	Washer	Anilha	50012120	8		DIN125	13	
16	Screw	Parafuso	53060216	8		ISO4017	M12x16	
17	Filter element	Elemento de filtro	800041164	1		DONAL	P77-7768	
18	Safety cartridge	Cartucho de segurança	800041165	1		DONAL	P77-7869	

*incl. parts 17-18

x) Order as required (min. delivery length 1 m).

02

POWER TRANSMISSION

KV02-0109

Drive shaft

Eixo motriz

KV02-0101

Propeller Shaft

Eixo cardã

KV02-0111

Steering axle

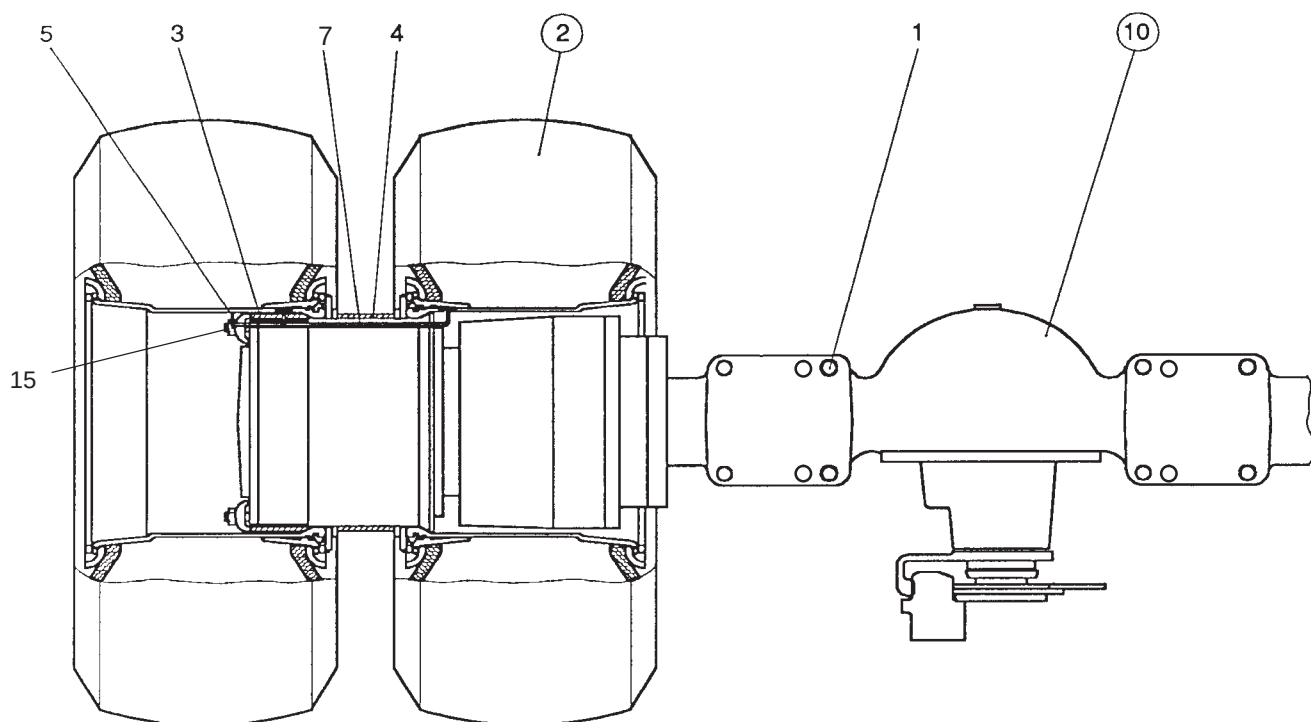
Eixo da direcção

KV02-0109

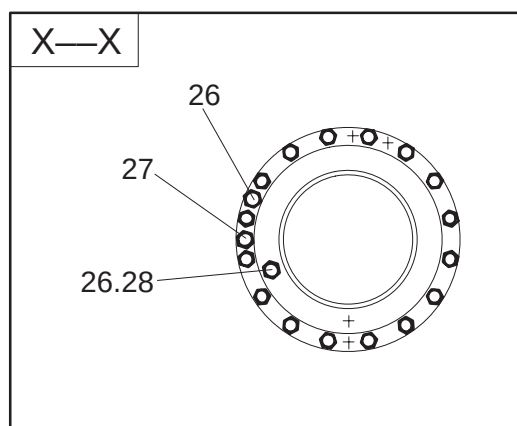
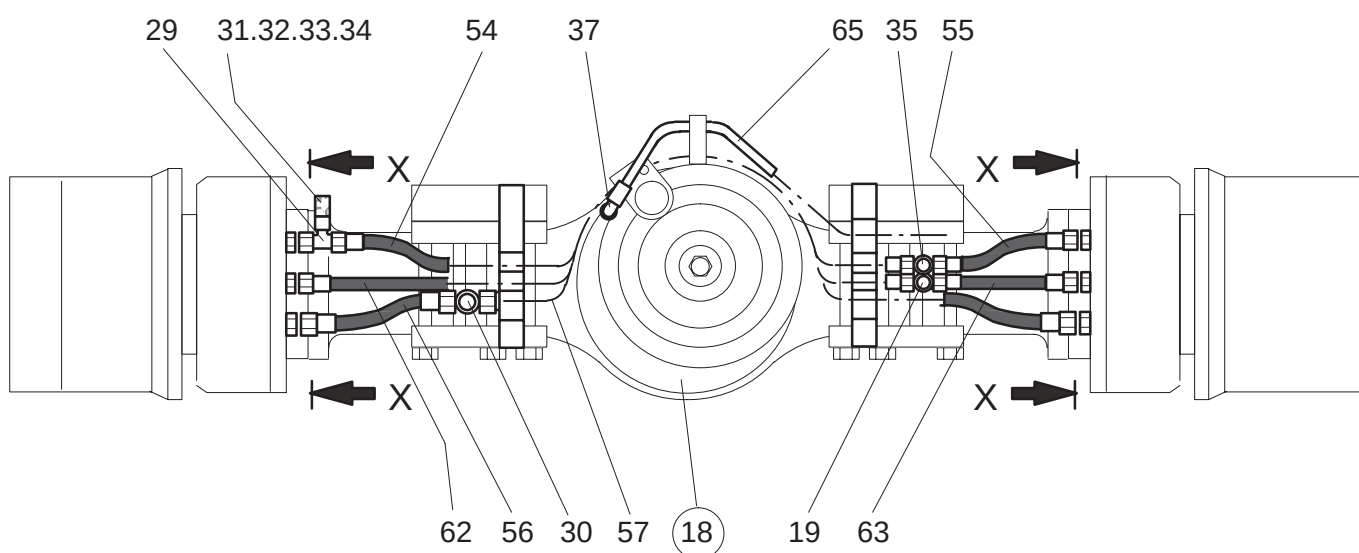
Drive shaft

Eixo motriz

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV02-0109	00-04-06	Drive shaft, mount.		

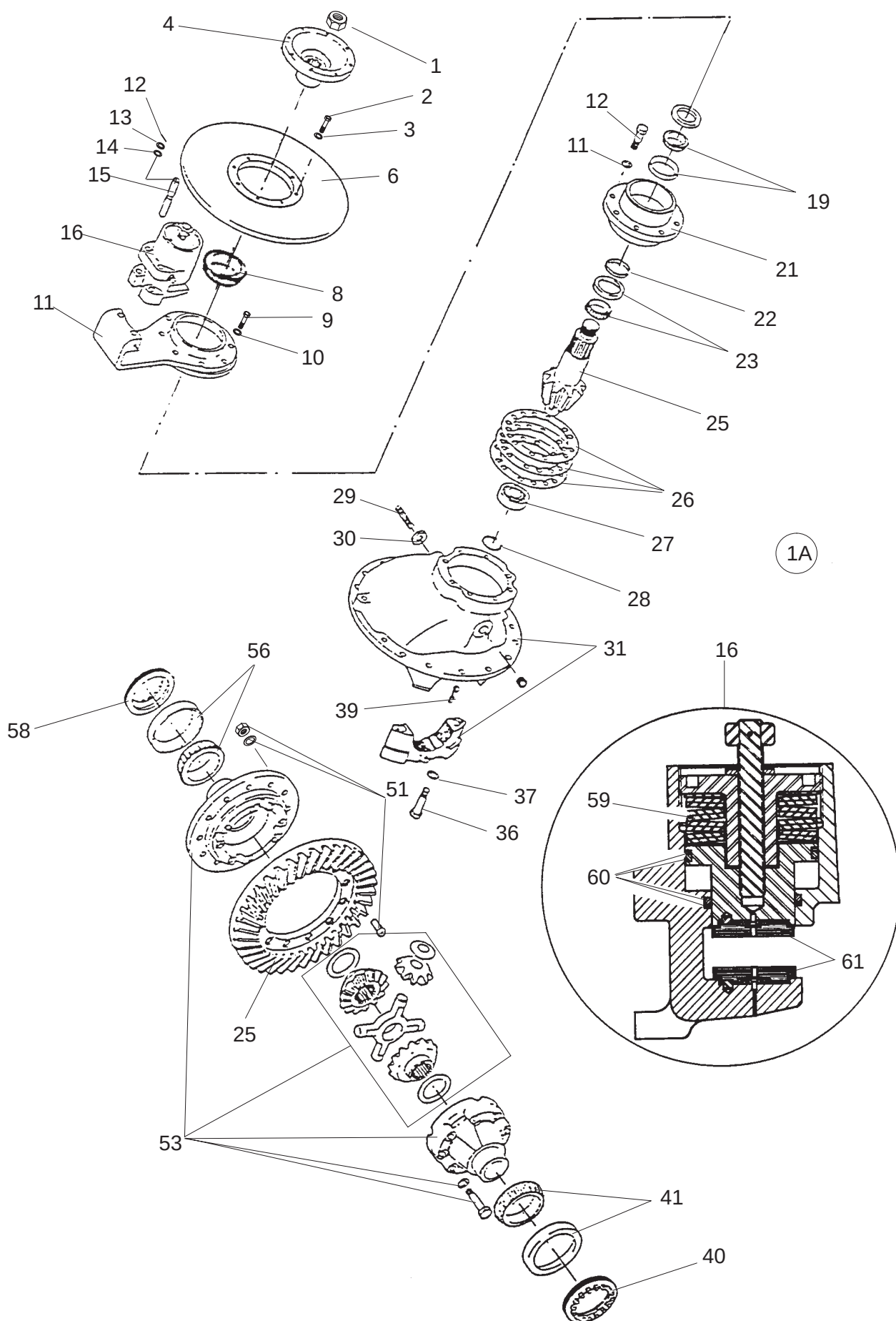


		Description Descrição Drive shaft, mount.			☐ Date Data 00-04-06		Module Módulo KV02-0109	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Screw	Parafuso	53160658	12	150	ISO4014	M36x400	
2	Wheel	Roda	T5514563	4	100			
	see page 17							
3	Ring	Anel	K5680650	2	150			
4	Ring	Anel	T5377560	2	150			
5	Plate	Placa	K5149190	2		EHA 1462		
7	Extension	Extensão	T0409081H	2	50			
10	Drive shaft	Veio de transmissão		1				
	see page 5					EHA 1500		
15	Extension	Extensão	T0409060H	2	50			



			☐			Date Data	Module Módulo	Page Página
Description Descrição			Hoses			00-04-06	KV02-0109	5
Item.	Description		Order no.	Qty	S	Notes		
18	Drive axle, compl. see page 7-15	Eixo motor, compl.	K0401203H	1		Rockw	PRC7534W4H132	
19	Fitting	União	64306906	2			VLS620.31 10JIC	
26	Fitting	União	64308014	4			VLO54100/10-7/8-14UNF	
27	Fitting	União	64308006	2			VLO54100/3-9/16-18UNF	
28	Fitting	União	K5146010	2				
29	Fitting	União	643485102	1		Parke	LS 10R6XS	
30	Fitting	União	64306916	1			VLS620.31 25JIC	
31	Fitting	União	64332191	1		EMA	3/R1/4-ED/A3C	
32	Fitting	União	64348521	2		Parke	6TT4MXS	
33	Fitting	União	64348526	1		Parke	10TT4MXS	
34	Nut	Porca	64163910	1			VLS620.50 16JIC	
35	Fitting	União	K5142290	1			5.0	
37	Fitting	União	64306005	1		Parke	6-4F50XS 7/16	
54	Hose	Tubo	VL5402923	1				
55	Hose	Tubo	VL5402904	1				
56	Hose	Tubo	VL5405504	1				
57	Hose	Tubo	VL5405523	1				
62	Hose	Tubo	VL5400024	1				
63	Hose	Tubo	VL5400004	1				
65	Hose	Tubo	VL5400543	1				

Page Página	Module Módulo	Date Data	Description Descrição	
6	KV02-0109	00-04-03	Differential, compl.	



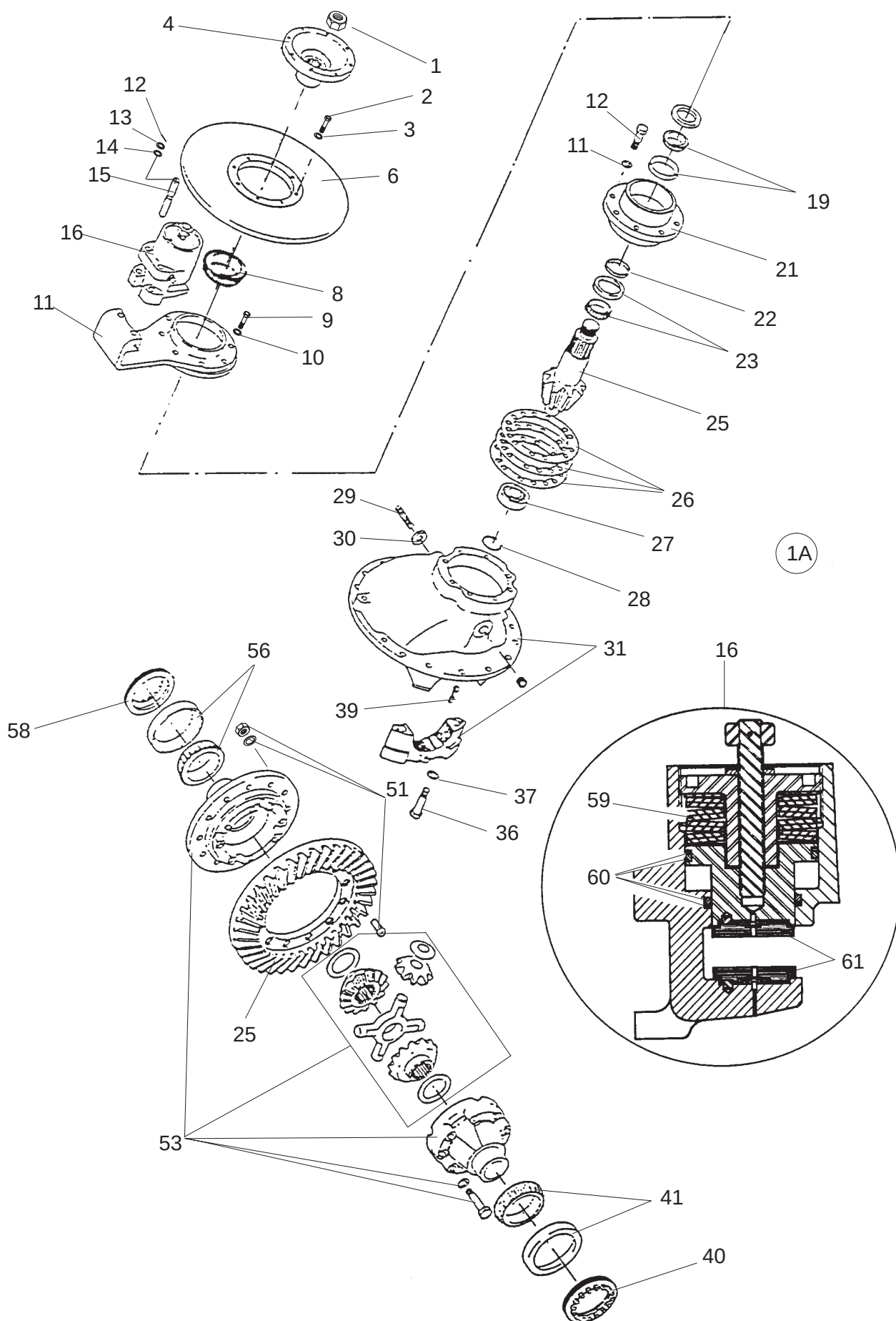
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Differential, compl.		00-04-03	KV02-0109	7
Item.	Description		Order no.	Qty	S	Notes	
1A	Differential	Diferencial	801904141	1		Rockw	A73200J1752
1	Nut	Porca	801903981	1		Rockw	40X1233
*1	Washer	Anilha	801903982	1		Rockw	1229N1730
2	Screw	Parafuso	801904142	8		Rockw	S18121
3	Washer	Anilha	802305472	8		Rockw	1229C1511
4	Flange	União	801903984	1		Rockw	3260K1753
6	Brake disc	Disco do travão	801904143	1		Rockw	3218X1428
8	Seal ring	Vedante	801904144	1		Rockw	A1205Q2591
9	Screw	Parafuso	801903987	8		Rockw	MS2120751
10	Washer	Anilha	801904145	8		Rockw	MWA512
11	Fastener	Ligador	801903988	1		Rockw	3268V1712
12	Pin	Pino	801903989	4		Rockw	2297V6106
13	Washer	Anilha	802307734	4		Rockw	1229V1504Z
14	Ring	Anel	802310530	4		Rockw	3780U151
15	Pin	Pin	802310543	2		Rockw	1259A1041
16	Brake,compl.	Travão, compl.	801904146	1		Good Y	PD1591-16-3
19	Bearing	Rolamento	801904147	1		Rockw	1228S591,1228T592
**21	Bearing housing	Caixa rolamento	801904148	1		Rockw	A3226D1356
22A	Spacing ring	Anel espaçador	801904149	x		Rockw	2203Q8389 .13.35
22A	Spacing ring	Anel espaçador	801904150	x		Rockw	2203R8390 .13.38
22A	Spacing ring	Anel espaçador	801904151	x		Rockw	2203H8536 .12.70
22A	Spacing ring	Anel espaçador	801904152	x		Rockw	2203J8538 .13.73
22A	Spacing ring	Anel espaçador	801904153	x		Rockw	2203H8539 .12.75
22A	Spacing ring	Anel espaçador	801904154	x		Rockw	2203L8540 .12.78
22A	Spacing ring	Anel espaçador	801904155	x		Rockw	2203M8541 .12.80
22A	Spacing ring	Anel espaçador	801904156	x		Rockw	2203N8542 .13.83
22A	Spacing ring	Anel espaçador	801904157	x		Rockw	2203P8544 .12.85
22A	Spacing ring	Anel espaçador	801904158	x		Rockw	2203Q8545 .12.88
22A	Spacing ring	Anel espaçador	801904159	x		Rockw	2203R8546 .12.90
22A	Spacing ring	Anel espaçador	801904160	x		Rockw	2203S8547 .12.93
22A	Spacing ring	Anel espaçador	801904161	x		Rockw	2203T8548 .12.95
22A	Spacing ring	Anel espaçador	801904162	x		Rockw	2203U8549 .12.98
22A	Spacing ring	Anel espaçador	801904163	x		Rockw	2203V8550 .13.00
22A	Spacing ring	Anel espaçador	801904164	x		Rockw	2203W8551 .13.03
22A	Spacing ring	Anel espaçador	801904165	x		Rockw	2203X8552 .13.02
22A	Spacing ring	Anel espaçador	801904166	x		Rockw	2203Y8553 .13.08
22A	Spacing ring	Anel espaçador	801904167	x		Rockw	2203Z8554 .13.10
22A	Spacing ring	Anel espaçador	801904168	x		Rockw	2203H8555 .13.13
22A	Spacing ring	Anel espaçador	801904169	x		Rockw	2203H8556 .13.15

*Alternative
)

**Incl. parts 19,23
**)

x)Order as required.
x)

Page Página	Module Módulo	Date Data	Description Descrição	
8	KV02-0109	00-04-03	Differential, compl.	



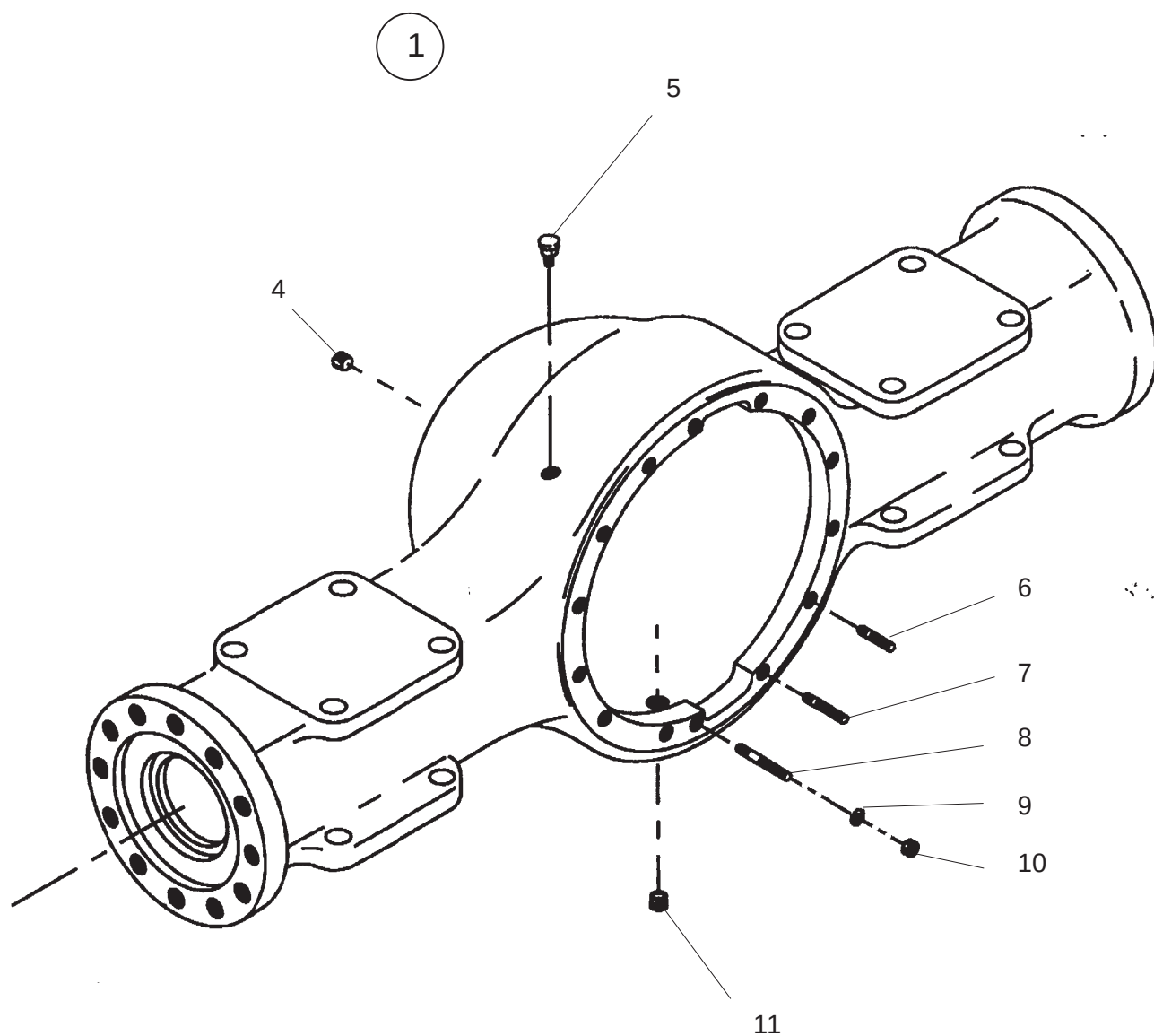
			☐			Date Data	Module Módulo	Page Página
Description Descrição			Differential, compl.			00-04-03	KV02-0109	9
Item.	Description		Order no.	Qty	S	Notes		
22A	Spacing ring	Anel espaçador	801904170	x		Rockw	2203H8557 .13.18	
22A	Spacing ring	Anel espaçador	801904171	x		Rockw	2203H8558 .13.20	
22A	Spacing ring	Anel espaçador	801904172	x		Rockw	2203H8559 .13.23	
22A	Spacing ring	Anel espaçador	801904173	x		Rockw	2203H8560 .13.25	
22A	Spacing ring	Anel espaçador	801904174	x		Rockw	2203H8561 .13.28	
22A	Spacing ring	Anel espaçador	801904175	x		Rockw	2203H8562 .13.31	
22A	Spacing ring	Anel espaçador	801904176	x		Rockw	2203J8564 .13.33	
22A	Spacing ring	Anel espaçador	801904177	x		Rockw	2203J9422 .12.965	
22A	Spacing ring	Anel espaçador	801904178	x		Rockw	2203K9423 .13.015	
22A	Spacing ring	Anel espaçador	801904179	x		Rockw	2203L9424 .13.065	
22A	Spacing ring	Anel espaçador	801904180	x		Rockw	2203M9425 .13.115	
22A	Spacing ring	Anel espaçador	801904181	x		Rockw	2203N9426 .13.165	
23	Bearing	Rolamento	801904182	1		Rockw	1228U593,1228V594	
25	Gear set	Conjunto engrenagens	801904183	1		Rockw	A410102512	
26A	Spacing washer	Anilha espaçadora	801904184	x		Rockw	2203A8815 ..125	
26A	Spacing washer	Anilha espaçadora	801904185	x		Rockw	2203B8816 ..200	
26A	Spacing washer	Anilha espaçadora	801904186	x		Rockw	2203C8817 ..500	
27	Bearing	Rolamento	801904012	1		Rockw	1228S1267	
28	Circlip	Freio	802308719	1		Rockw	1229-L-1624	
29	Screw	Parafuso	802308725	1		Rockw	15-X-1167	
30	Nut	Porca	802308724	1		Rockw	1227-D-472	
31	Housing	Caixa	801904187	1		Rockw	A23200J1752	
36	Screw	Parafuso	801904014	4		Rockw	41X1018	
37	Washer	Anilha	801904015	4		Rockw	42X1024	
39	Pin	Pin	801904188	4		Rockw	1246F656	
40	Adjusting ring	Anel de afinação	801904189	1		Rockw	2214X1012	
41	Bearing	Rolamento	801904190	2		Rockw	1228Y597+1228Z598	
51	Through bolt kit	Jogo de parafusos	801904021	1		Rockw	2608	
*53	Differential	Diferencial	801904191	1		Rockw	ks. Baan	
56	Bearing	Rolamento	801904192	1		Rockw	1228X596+1228W595	
58	Adjusting ring	Anel de afinação	801904193	1		Rockw	2214W1011	
59	Spring	Mola	802704916	8		Rockw	9684003 Good year	
60	Gasket set	Jogo juntas	801904194	1		Rockw	Good year	
61	Brake pad set	Jogo de calços do travão	801903566	1		Rockw	9640323 Good year	

*)Incl. parts 43-50

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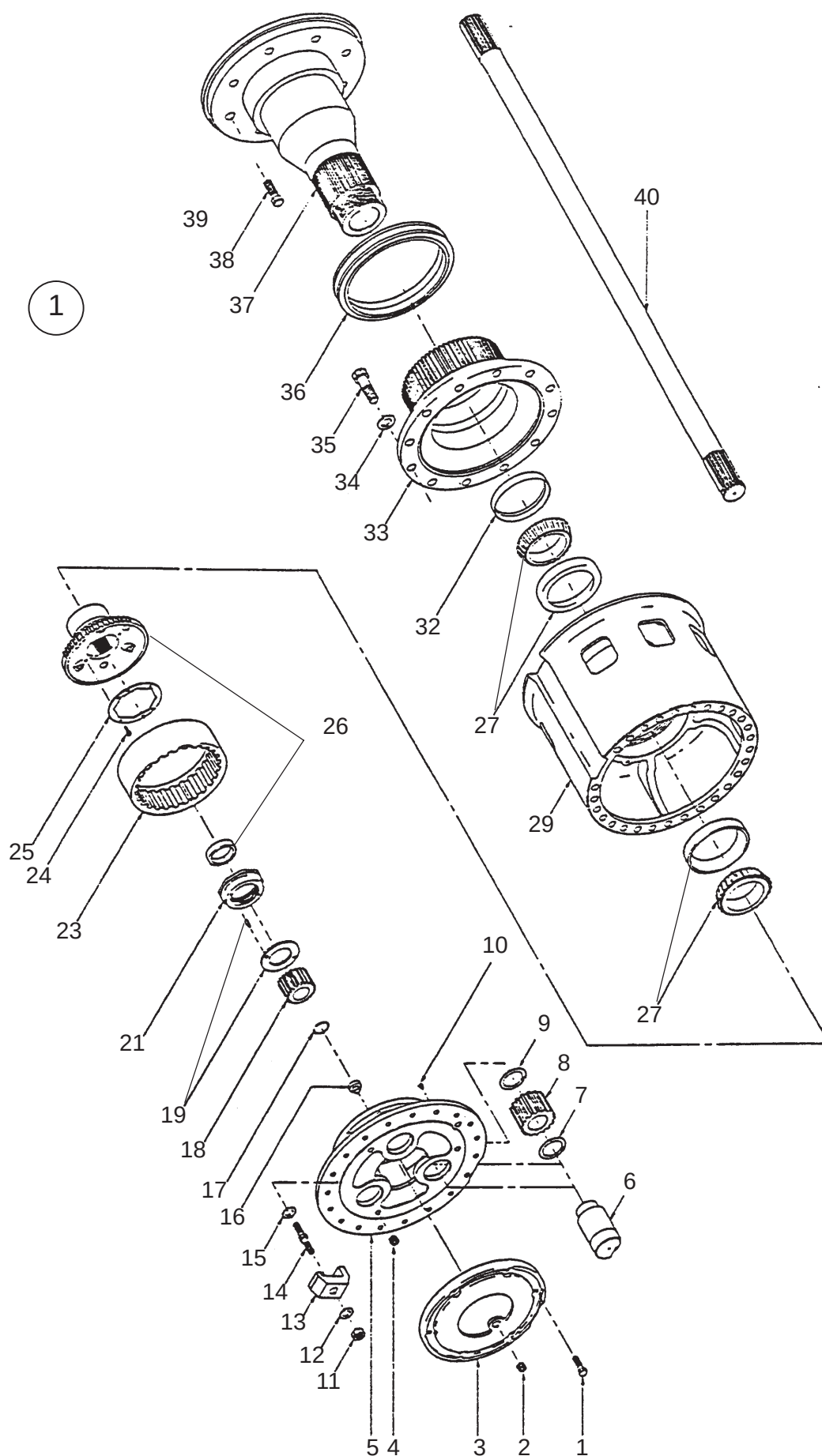
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x)



		Description Descrição Frame, assy	☐		Date Data 00-03-31	Module Módulo KV02-0109	Page Página 11
Item.	Description		Order no.	Qty	S	Notes	
1	Frame	Estrutura de suporte	801904104	1		Rockw	A-3201-V-8524
4	Plug	Ficha	802305323	1		Rockw	P-212
5	Breather	Respirador	802307763	1		Rockw	A-1199-P-1394
6	Screw	Parafuso	801904136	2		Rockw	SN1020 1
7	Screw	Parafuso	802305314	6		Rockw	4-X-1445
8	Screw	Parafuso	801904137	4		Rockw	SN1034 1
9	Washer	Anilha	802308737	14		Rockw	1229-W-1557
10	Nut	Porca	802305316	14		Rockw	NL.110-1
11	Plug	Ficha	802308024	1		Rockw	1850-T-150

Page Página 12	Module Módulo KV02-0109	Date Data 00-03-31	Description Descrição Wheel end	☐	
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			Description Descrição Wheel end		☐	Date Data 00-03-31	Module Módulo KV02-0109	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		
1A	Wheel hub	Cubo da roda	801904140	1		Rockw	S 763 6 EVS-C77	
1	Screw	Parafuso	801903676	6		Rockw	S-289A 1	
2	Plug	Ficha	802305323	1		Rockw	P-212	
*3	Cover	Tampa	801904105	1		Rockw	A3262G1260	
4	Plug	Ficha	802308024	1		Rockw	1850-T-150	
**5	Hub	Cubo	801904026	1		Rockw	A1 3298H1178	
6	Shaft	Eixo	801904027	3		Rockw	3198-Q-95	
7	Washer	Anilha	802308752	3		Rockw	1229-G-3101	
8	Gear	Engrenagem	801904028	3		Rockw	3891W1921	
9	Washer	Anilha	801904030	3		Rockw	1829M897	
10	Plug	Ficha	802305446	3		Rockw	1898-S-1137	
11	Nut	Porca	802308751	7		Rockw	N-112-1	
12	Washer	Anilha	801903679	7		Rockw	1229V1556	
13	Fastener	Ligador	802308761	7		Rockw	2257H1074	
14	Screw	Parafuso	802309630	7		Rockw	20-X-2044	
15	Washer	Anilha	802305281	7		Rockw	1229M1625	
16	Plug	Ficha	802308742	1		Rockw	2297-T-4570	
17	Circlip	Freio	801904029	1		Rockw	1229U3141	
18	Gear	Engrenagem	801904030	1		Rockw	3892S5531	
19	Washer	Anilha	801904031	1		Rockw	A1229S3113	
21	Nut	Porca	801904032	1		Rockw	1227U1555	
23	Gear	Engrenagem	801904033	1		Rockw	3892Y5537	
24	Screw	Parafuso	802308754	2		Rockw	S-277-A-1	
25	Circlip	Freio	801904034	1		Rockw	1220U1087	
26	Hub	Cubo	801904035	1		Rockw	A3204N1054	
27	Bearing	Rolamento	801904036	2		Rockw	M238849+M238810	
29	Hub	Cubo	801904037	1		Rockw	A333U4285	
32	Seal ring	Vedante	801904038	1		Rockw	A1205B2082	
33	Driver	Pinhão motriz	802308759	1		Rockw	3267-R-1032	
34	Washer	Anilha	802310546	6		Rockw	1229S4413	
35	Screw	Parafuso	801904138	6		Rockw	S-11622A-1	
36	Seal ring	Vedante	801904139	1		Rockw	A1205G2581	
37	Shaft	Eixo	801904039	1		Rockw	3213T1892	
38	Screw	Parafuso	801903680	18		Rockw	SP 1042	
40	Shaft LH	Eixo	801904041	1		Rockw	3802G1957SHORT LH	
40	Shaft RH	Eixo	801904040	1		Rockw	3802H1958 LONG RH	

x)Order as required.

x)

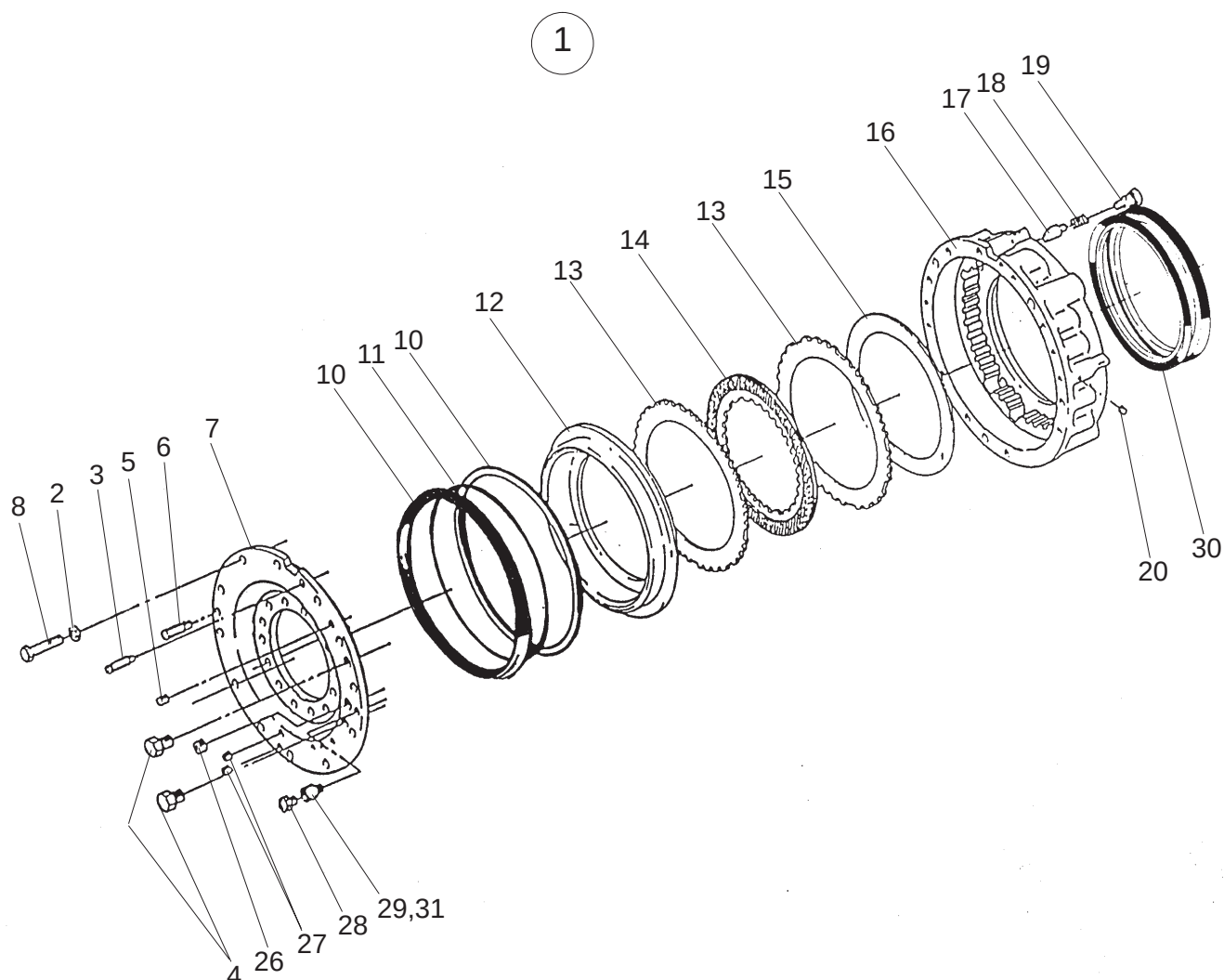
*)incl. part 16

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**)Incl. parts 6-10

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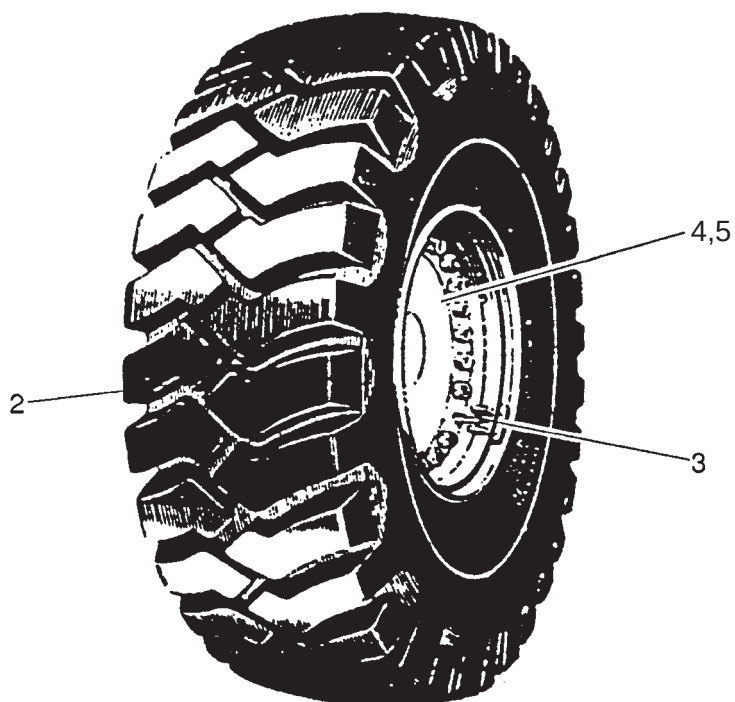
Page Página 14	Module Módulo KV02-0109	Date Data 00-04-06	Description Descrição Wet disc brake	☐	
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		Description Descrição Wet disc brake			☐	Date Data 00-04-06	Module Módulo KV02-0109	Page Página 15
Item.	Description	Order no.	Qty	S	Notes			
1	Wet disc brake compl Travão de disco húmido, compl.	801904195	1		Rockw	B149A4		
2	Washer Anilha	802305281	32		Rockw	1229-M-1625		
3	Valve Valvula	801904196	2		Rockw	1199-K-1337Z		
4	Plug Ficha	801904197	4		Rockw	P212		
5	Plug Ficha	801904198	2		Rockw	1705F292		
6	Plug Ficha	802308769	2		Rockw	A-1250-Q-1083		
7	Cover Tampa	801904200	1		Rockw	3267W1193		
7	Cover, LH Tampa	801904273	1		Rockw	3267X1194		
8	Screw Parafuso	802308764	32		Rockw	S-21424-1		
10	Gasket Junta	802308774	4		Rockw	1205-X-1714		
11	Seal ring Vedante	801904273	2		Rockw	2258U1321		
12	Piston Pistão	801904274	2		Rockw	2230J218		
13	Plate Placa	802308777	20		Rockw	3281-W-23		
14	Plate Placa	802309501	20		Rockw	A-3281-K-37		
15	Plate Placa	801904275	2		Rockw	1244B1588		
16	Housing Caixa	801904276	2		Rockw	3267N1054		
17	Guide Guia	802308781	8		Rockw	2297-T-5012		
18	Spring Mola	802309502	8		Rockw	2258-V-802		
19	Plug Ficha	802308766	8		Rockw	A-1250-L-1000		
20	Plug Ficha	802305369	6		Rockw	P-42		
26	Plug Ficha	802305323	2		Rockw	P-212		
27	Plug Ficha	802309618	4		Rockw	1850-T-124		
28	Plug Ficha	801904277	4		Rockw	A61250E1019		
29	Intermediate piece Peça intermedia	802309620	2		Rockw	A-2206-P-1004		
30	Gasket Junta	801904139	1		Rockw	A1205G2581		
31	Seal ring Vedante	802308770	4		Rockw	OR5-X-889		

Page Página 16	Module Módulo KV02-0109	Date Data 97-04-18	Description Descrição Wheel 18.00"	☐	
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1



			☐		Date Data	Module Módulo	Page Página
Description Descrição			Wheel 18.00"		97-04-18	KV02-0109	17
Item.	Description		Order no.	Qty	S	Notes	
1	Wheel, compl.	Roda, compl.	T5514560	1		DUNLOP PG6D	
1	Wheel, compl.	Roda, compl.	T5514561	1		TOYO 18.00	
1	Wheel, compl.	Roda, compl.	T5514562	1		GOODYEAR 18.00-R25	
1	Wheel, compl.	Roda, compl.	T5514563	1		BRIDGESTONE 18.00-R25	
1	Wheel, compl.	Roda, compl.	T5514564	1		MICHELIN 18.00-R25	
2	Tyre	Pneu	686919372	1		DUNLOP PG6D 18.00-25/40	
2	Tyre	Pneu	C0100006	1		TOYO 18.00 18.00-25-36 G18 E4TL	
2	Tyre	Pneu	686919386	1		GOODYEAR 18.00-R25	
2	Tyre	Pneu	686919389	1		BRIDGESTONE 18.00-25PR40ELS2	
2	Tyre	Pneu	6869193741	1		MICHELIN 18.00R25 XZM	
3	Valve	Valvula	T0409059H	1		Valme EHA 3100 TR650	
4	Rim	Anel metalico	T0406019H	1		NAGB 13,00-25/2.5 NO 25052	
4	Rim	Anel metalico	T0406048H	1		LEMMERZ 13,00-25 52005157	
5	O-ring	O'ring	61443255	1		OR 325	

Note!

The manufacturer of tyre
must be mentioned in spare part order!

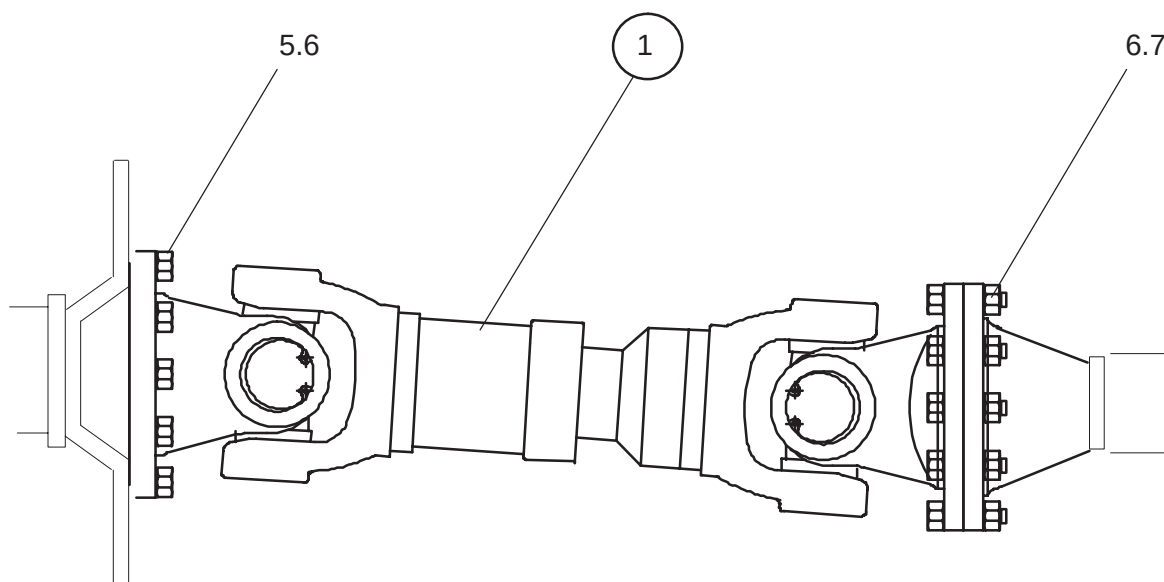
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV02-0101	Page Página 1/3
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KV02-0101

Propeller Shaft

Eixo cardã

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV02-0101	97-10-08	Propell. shaft		

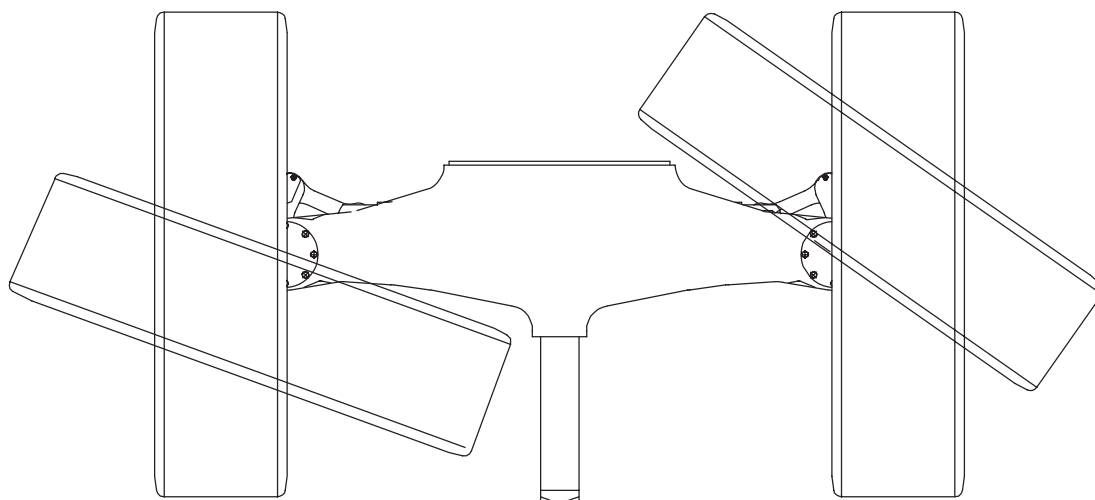
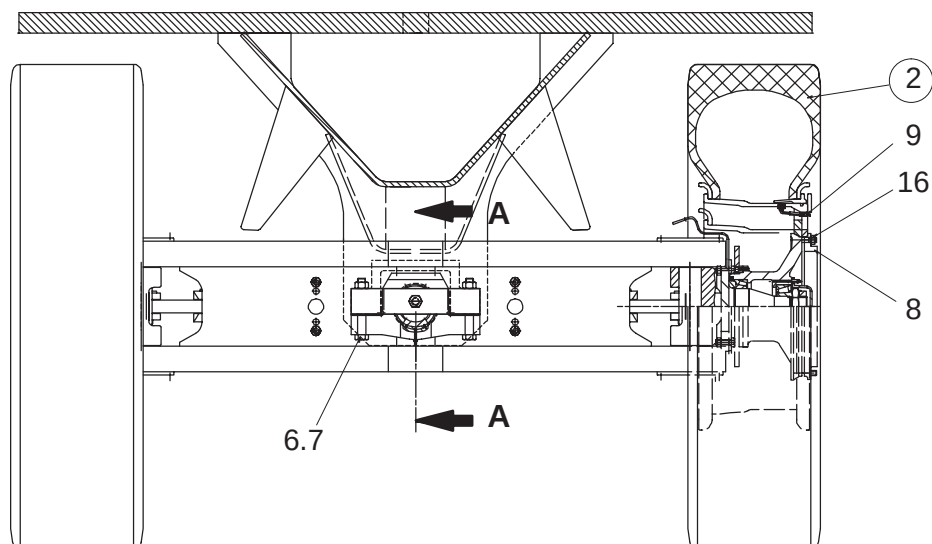
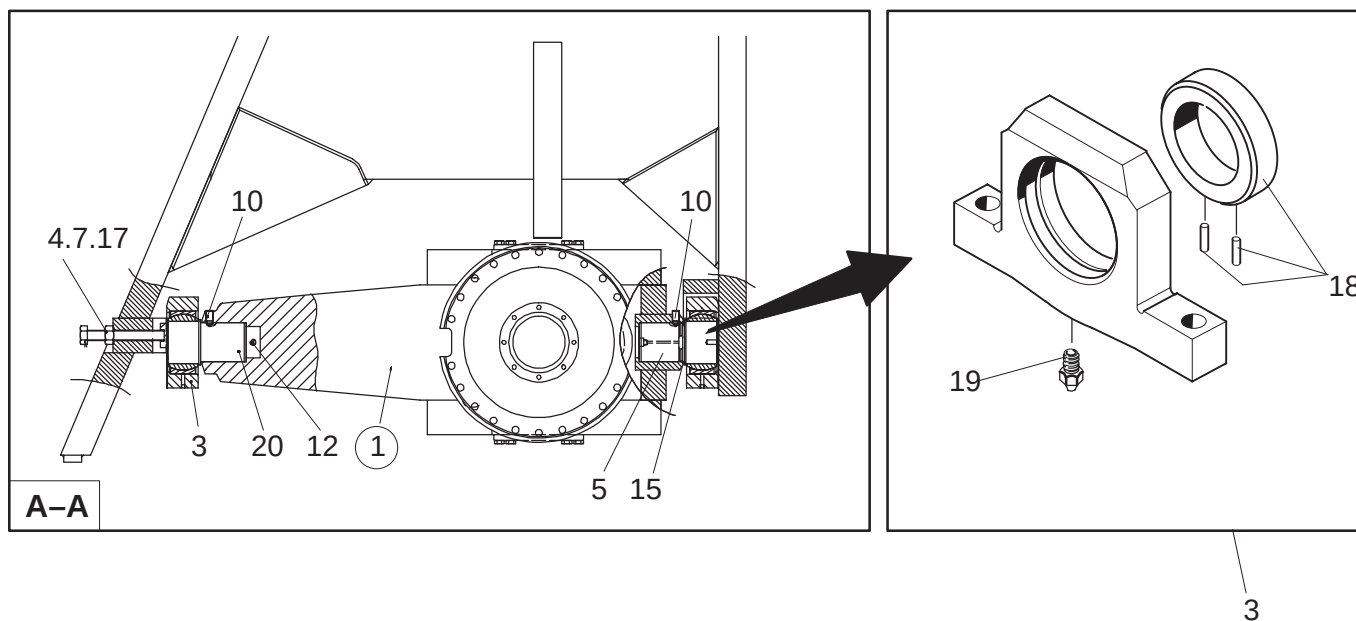


		Description Descrição Propell. shaft			Date Data 97-10-08	Module Módulo KV02-0101	Page Página 3
Item.	Description		Order no.	Qty	S	Notes	
1	Propeller shaft	Veio transmissão	T2001121H	1		GWB	0.687.45.01.00.403-0001
5	Sleeve	Casquilho	T5508030	12		L=529	
6	Screw	Parafuso	T5508040	24		SFS2064	M 10.9 M14x40
7	Nut	Porca	50414111	24		BS1768	7/16UNF 8

KV02-0111

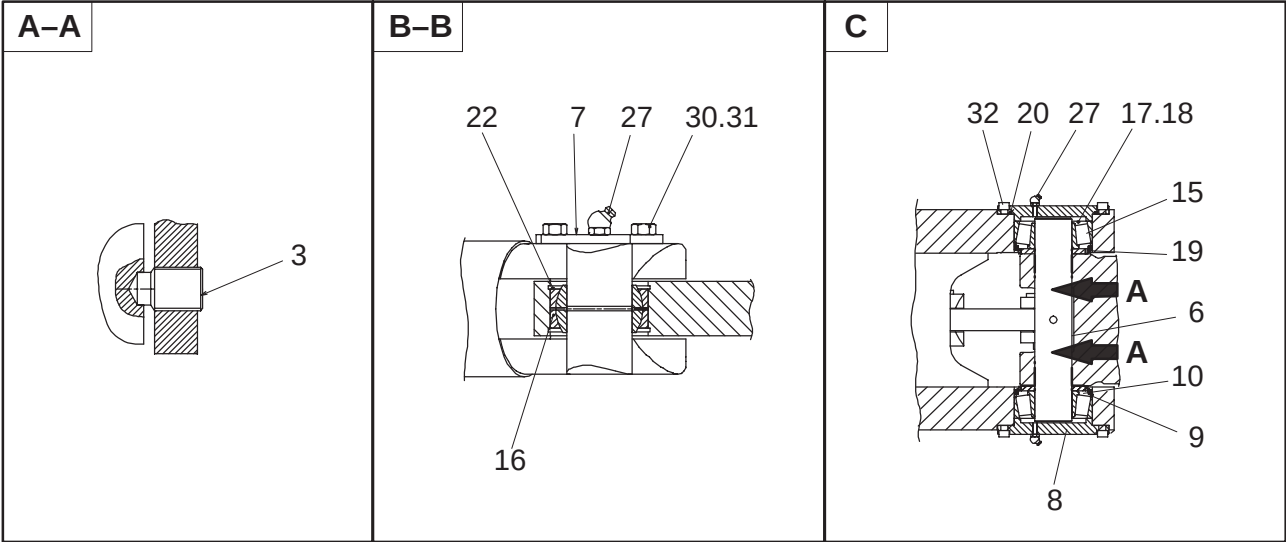
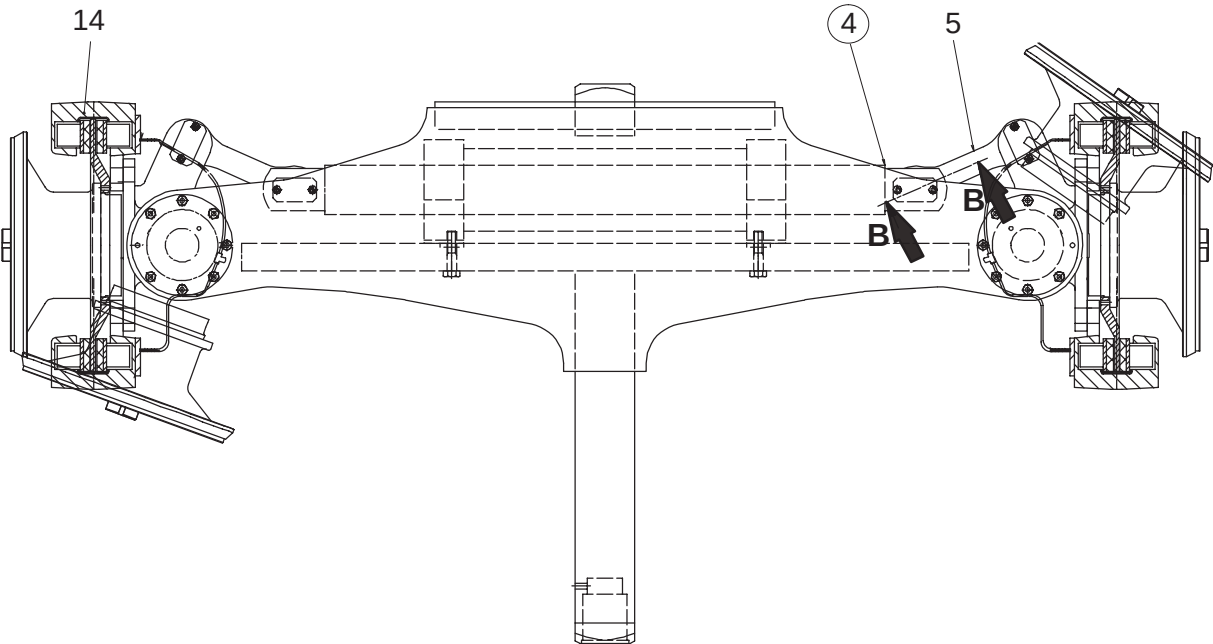
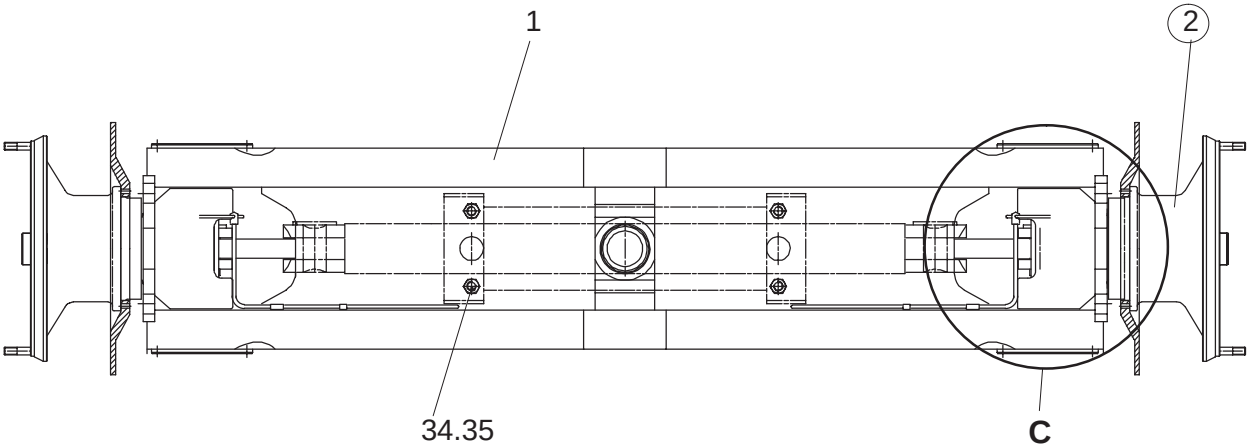
Steering axle

Eixo da direcção



		Description Descrição Steering axle			Date Data 99-09-21	Module Módulo KV02-0111	Page Página 3
Item.	Description	Order no.	Qty	S	Notes		
1	Steering axle, assy Eixo da direcção see page 5		1				
2	Wheel Roda see page 11	T5514563	2				
*3	Bearing Rolamento	K5680290	2				
4	Screw Parafuso	T5469320	1				
5	Shaft+sensor Eixo	K5677690	1		TAMTR	ATLK40T	
6	Screw Parafuso	53160567	4		ISO4014	M30X220	
7	Nut Porca	50410300	5		ISO4032	M30-8	
8	Mounting plate Prato de suporte	T5298940	2				
9	Extension Extensão	T0409060H	2		EHA	1500 56mm	
10	Screw Parafuso	T5276510	2		SIMRI	AS110-120-7/10	
15	Scraper Vedante raspador	61441092	1		SMS1586	O109.1X5.7	
16	Nut Porca	50410200	46		ISO4032	M20-8	
17	Washer Anilha	K5673160	1				
18	Bearing+pin Rolamento+pin	801904053	1		61132992(1kpl)+K5680200(2kpl)		
19	Grease fitting Bico de lubrificação	64411203	2		DIN71412 A R 1/8		
20	Shaft Eixo	K5677890	1				

*incl. part 18.19

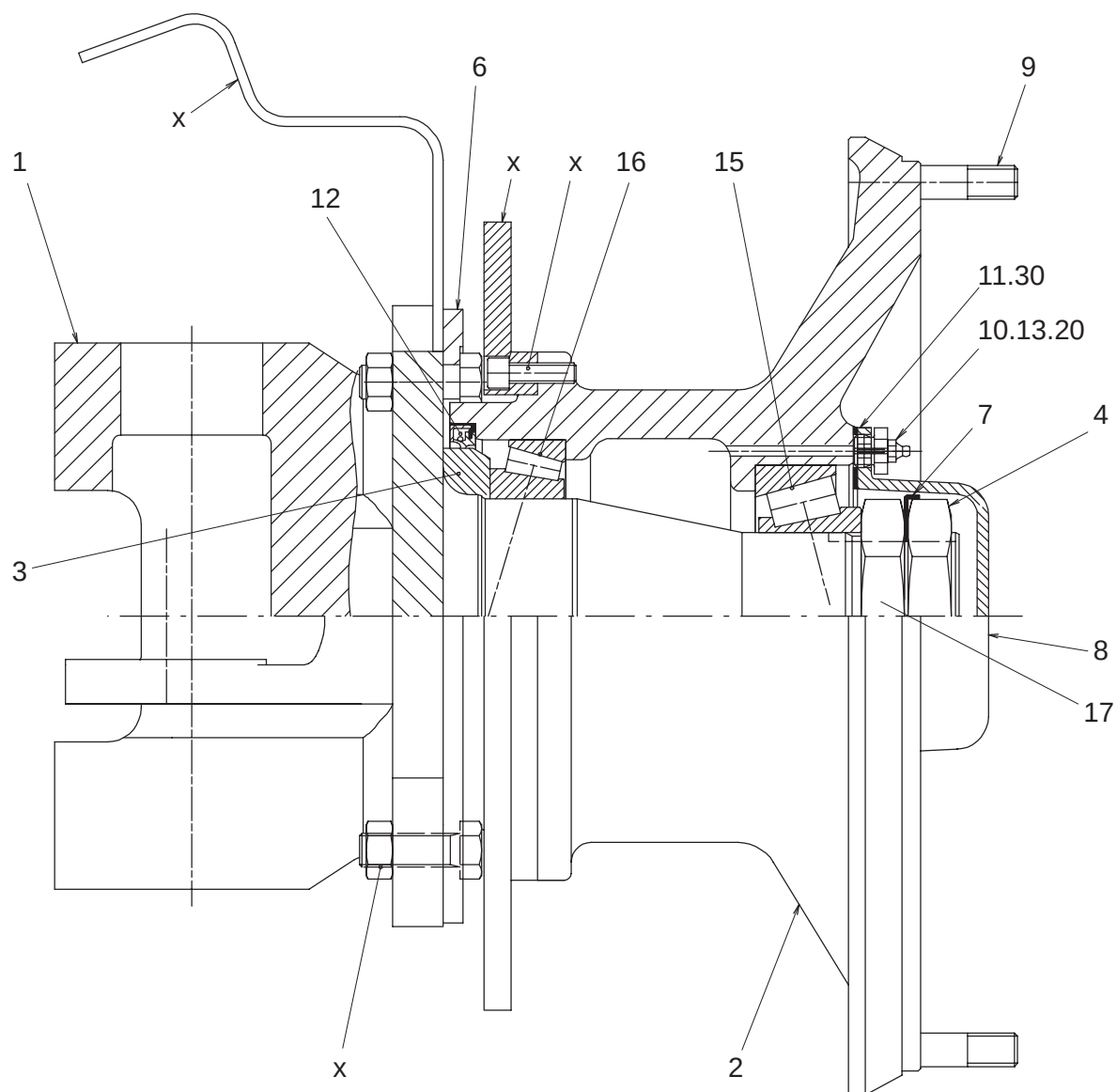


			☐		Date Data	Module Módulo	Page Página
Description Descrição Steering axle					00-06-27	KV02-0111	5
Item.	Description	Order no.	Qty	S	Notes		
1	Shaft Eixo	K5680310	1				
2	Wheel hub Cubo da roda	K5670363	2				
3	Screw Parafuso	T5276510	2				
4	Cylinder Cilindro	C5592581R	1				
	see page 9						
5	Lever Alavanca	K5670440	2				
6	Pin Pin	K5670380	2				
7	Shaft Eixo	K5670430	4				
8	Cover Tampa	K5670390	4				
9	Sleeve Casquilho	K5670400	4				
10	Sleeve Casquilho	K5670410	4				
*14	Brake Travão						
15	Bearing Rolamento	61261170	4		SKF	32317 B12/CL7A	
16	Bearing Rolamento	611326031	4			GE 60 DO.2RS	
17	Shim Anilha	616571501	20		Seege	PS 150x180x0.1	
18	Shim Anilha	616571505	8		Seege	PS 150x180x0.5	
19	Scraper Vedante raspador	61461601	4		Simri	AS160-175-9-12	
20	O-ring O'ring	61441893	4		SMS1586	189.3X5.7	
22	Circlip Freio	61733090	8		DIN472/1	90x3	
27	Grease fitting Bico de lubrificação	64411110	8		TES8085	M10X1	
30	Screw Parafuso	53060220	8		ISO4017	M12x25	
31	Washer Anilha	50082120	8		DIN137	12	
32	Screw Parafuso	58170629	32		DIN912	M16X60 12.9	
34	Screw Parafuso	53160477	4		ISO4014	M24x120	
35	Washer Anilha	50042240	4		DIN127	24	

*) Only by special order .

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Page Página	Module Módulo	Date Data	Description Descrição	
6	KV02-0111	98-08-27	Wheel hub	

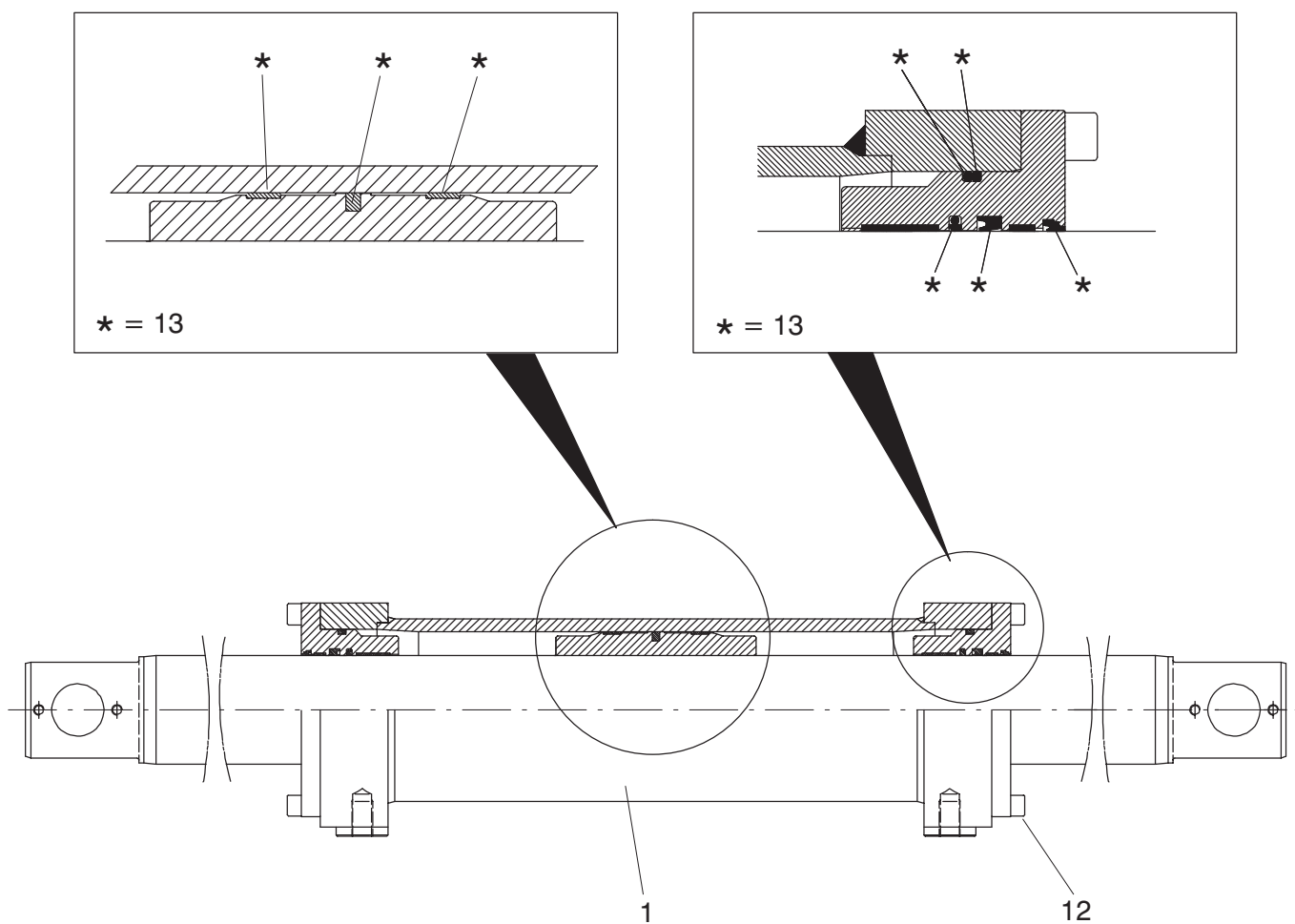


			☐		Date Data	Module Módulo	Page Página
Description Descrição			Wheel hub		98-08-27	KV02-0111	7
Item.	Description		Order no.	Qty	S	Notes	
1	Stub axle	Manga de eixo	K5670370	1			
2	Wheel hub	Cubo da roda	K5670880	1			
3	Slide ring	Anel guia	K5680190	1			
4	Nut	Porca	K5670860	1			
7	Washer	Anilha	K5680170	1			
8	Cover	Tampa	T5085790	1			
9	Screw	Parafuso	T5519190	23			
10	Fitting	União	K5673050	1			
11	Gasket	Junta	T5019160	1			
12	Gasket	Junta	61420015	1		DIN3760	C200x230x15
13	Seal ring	Vedante	61588210	1		DIN7603	A21X26
15	Bearing	Rolamento	61261200	1		SKF	33220
16	Bearing	Rolamento	61260280	1		SKF	32028 X
17	Nut	Porca	K5680220	1			
20	Grease fitting	Bico de lubrificação	64411203	1		DIN71412	AR1/8
30	Screw	Parafuso	53060220	8		ISO4017	M12x25

x) Only by special order .

x)

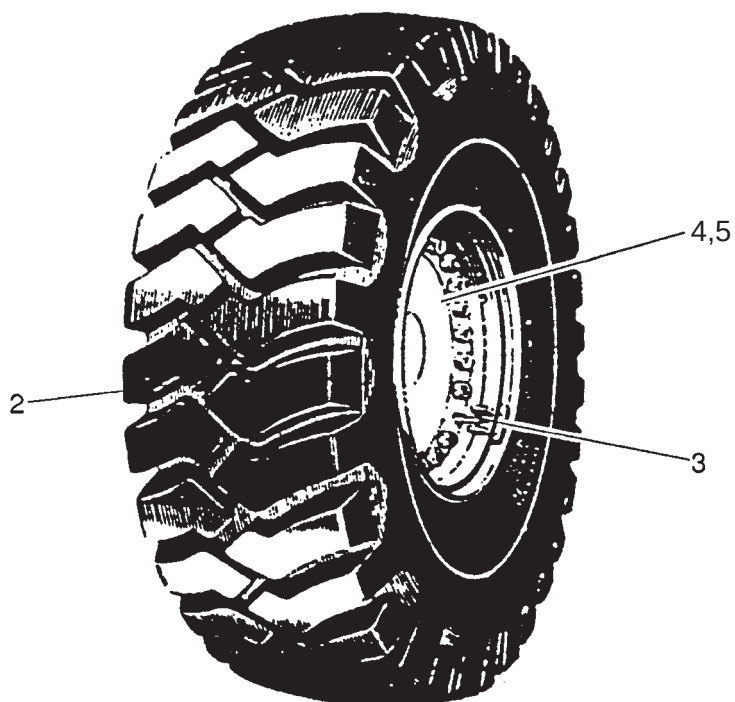
Page Página	Module Módulo	Date Data	Description Descrição	
8	KV02-0111	00-06-26	Cylinder	



		Description Descrição Cylinder			☐	Date Data 00-06-26	Module Módulo KV02-0111	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder	Cilindro	C5592581R	1		Ruotsissa tehty, tiiv. sarja eril. kuin ennen DIN912 M16X50		
12	Screw	Parafuso	58130627	24				
13	Gasket set	Jogo juntas	A26334.4000	1				

Page Página 10	Module Módulo KV02-0111	Date Data 97-04-18	Description Descrição Wheel 18.00"	☐	
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1



			☐		Date Data	Module Módulo	Page Página
Description Descrição			Wheel 18.00"		97-04-18	KV02-0111	11
Item.	Description		Order no.	Qty	S	Notes	
1	Wheel, compl.	Roda, compl.	T5514560	1		DUNLOP PG6D	
1	Wheel, compl.	Roda, compl.	T5514561	1		TOYO 18.00	
1	Wheel, compl.	Roda, compl.	T5514562	1		GOODYEAR 18.00-R25	
1	Wheel, compl.	Roda, compl.	T5514563	1		BRIDGESTONE 18.00-R25	
1	Wheel, compl.	Roda, compl.	T5514564	1		MICHELIN 18.00-R25	
2	Tyre	Pneu	686919372	1		DUNLOP PG6D 18.00-25/40	
2	Tyre	Pneu	C0100006	1		TOYO 18.00 18.00-25-36 G18 E4TL	
2	Tyre	Pneu	686919386	1		GOODYEAR 18.00-R25	
2	Tyre	Pneu	686919389	1		BRIDGESTONE 18.00-25PR40ELS2	
2	Tyre	Pneu	6869193741	1		MICHELIN 18.00R25 XZM	
3	Valve	Valvula	T0409059H	1		Valme EHA 3100 TR650	
4	Rim	Anel metalico	T0406019H	1		NAGB 13,00-25/2.5 NO 25052	
4	Rim	Anel metalico	T0406048H	1		LEMMERZ 13,00-25 52005157	
5	O-ring	O'ring	61443255	1		OR 325	

Note!

The manufacturer of tyre
must be mentioned in spare part order!

03

HYDRAULIC SYSTEM

KV03—0117

Hydr. Equipment for Frame

Equipamento hidráulico

KV03—0118

Hydr. equipment for steering device

Equipamento hidráulico do sistema de direção

KV03—0102

Hydr. tank

Reservatório de óleo hidráulico

KV03—0103

Oil cooler

Radiateur de óleo

KV03—0119

Hydr.valve

Válvula hidráulica

KV03—0105

Hydr. pump

Bomba hidráulica

KV03—0116

Brake equipment

Equipamento de travão

KV03—0107

Hydr.brake pump

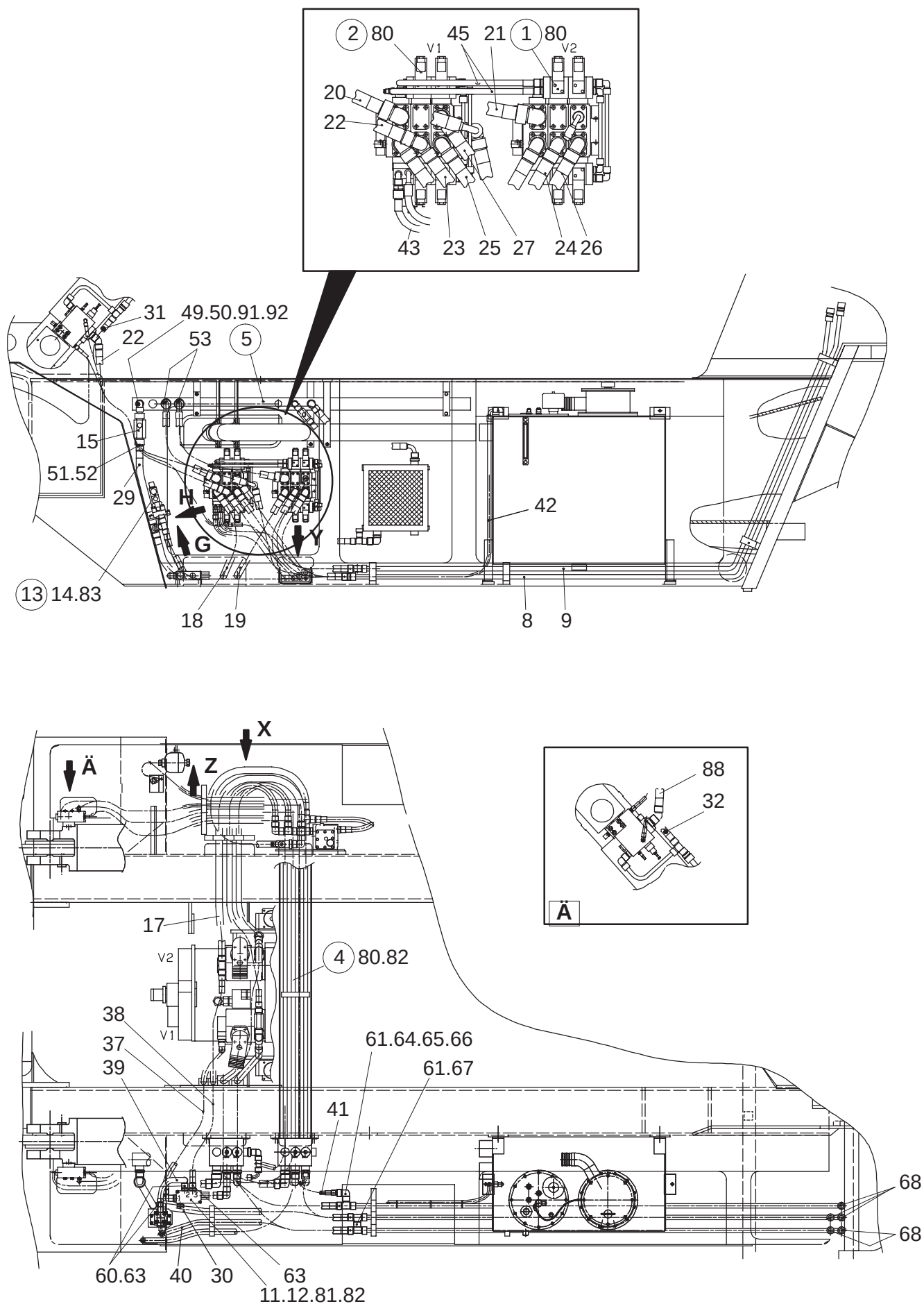
Bomba do freio hidráulico

KV03-0117

Hydr. Equipment for Frame

Equipamento hidráulico

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV03-0117	00-03-15	Hydraulics for frame	

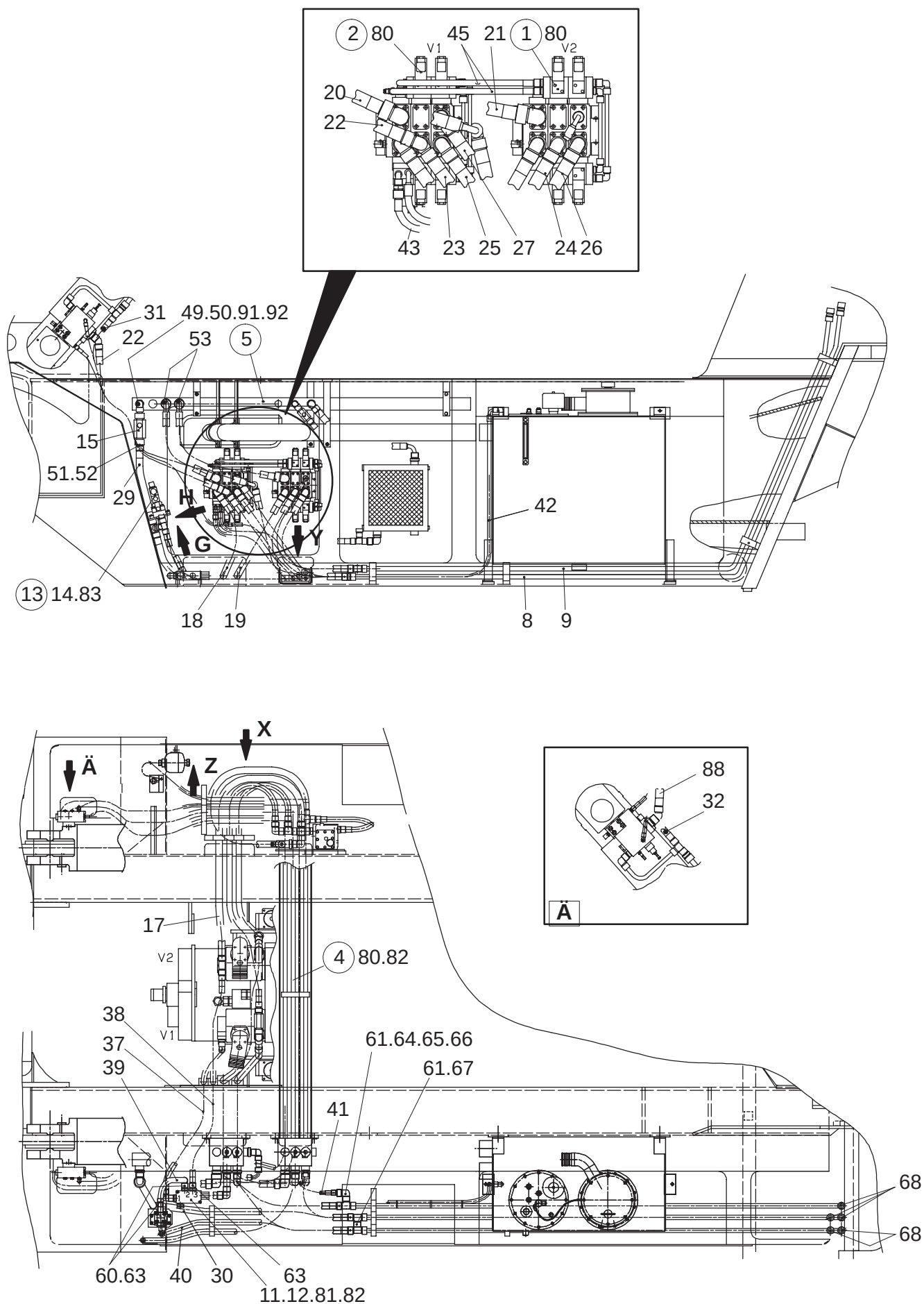


			☐		Date Data	Module Módulo	Page Página
Description Descrição			Hydraulics for frame		00-03-15	KV03-0117	3
Item.	Description	Order no.	Qty	S	Notes		
**1	Valve	Valvula	1		K5671380		
**2	Valve	Valvula	1		K5688250		
4	Pipework	Tubagem	1		K5677160		
5	Pipework see page 13		1		K5671070		
8	Tube	Tubo	T5504130	3			
9	Tube	Tubo	T5504140	2			
11	Sleeve	Casquilho	T5517220	2			
12	Valve	Valvula	T0807040H	1	FLUID	2F96-P-6W-6W-25	
13	Valve	Valvula	N0806059H	1	REXRO	DB10B2-5X/315	
14	Plate	Placa	N0809032H	1	REXRO	G17/1	
15	Valve	Valvula	K0807033H	1	PARKE	VCL20F-65-A-A	
17	Hose	Tubo	VL5405521	1			
18	Hose	Tubo	VL5405528	1			
19	Hose	Tubo	VL5405521	1			
20	Hose	Tubo	T5537224	1			
21	Hose	Tubo	T5537221	1			
22	Hose	Tubo	VL5405518	1			
23	Hose	Tubo	VL5405510	1			
24	Hose	Tubo	VL5405509	1			
25	Hose	Tubo	VL5405514	1			
26	Hose	Tubo	VL5405511	1			
27	Hose	Tubo	VL5405513	1			
29	Hose	Tubo	VL5404510	1			
30	Hose	Tubo	VL5405522	1			
31	Hose	Tubo	VL5405020	1			
32	Hose	Tubo	VL5404526	1			
37	Hose	Tubo	VL5405017	1			
38	Hose	Tubo	VL5404521	1			
39	Hose	Tubo	VL5404511	1			
40	Hose	Tubo	VL5404517	1			
41	Hose	Tubo	VL5403612	1			
42	Hose	Tubo	VL5403632	1			
43	Hose	Tubo	VL5403611	1			
45	Hose	Tubo	VL5400011	2			

**) See valve module

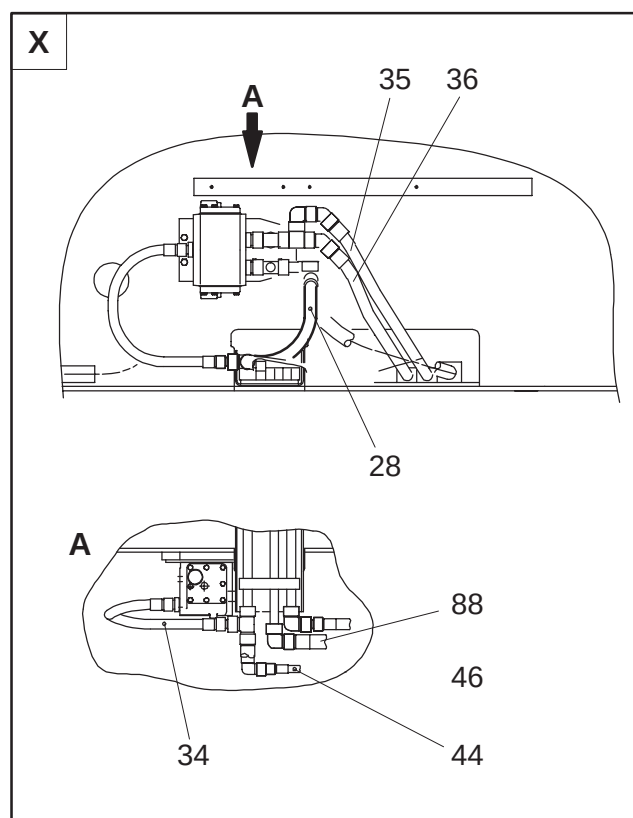
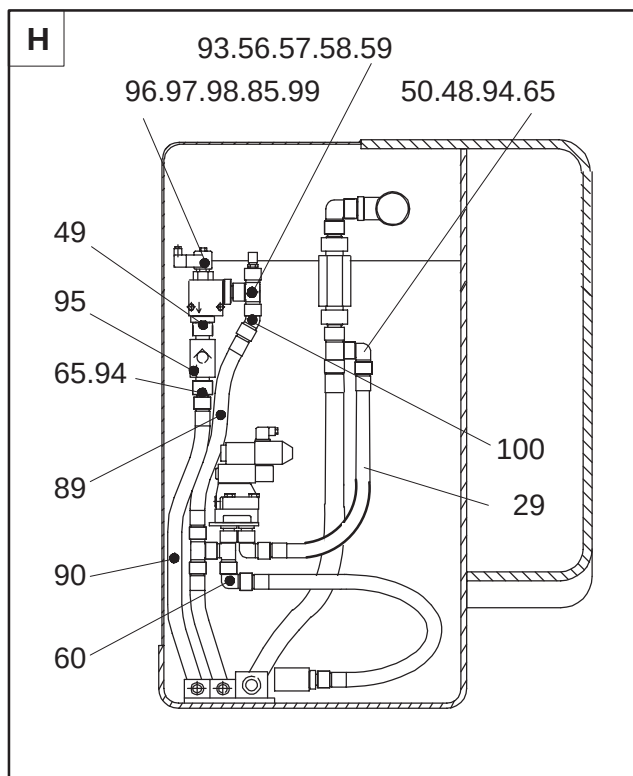
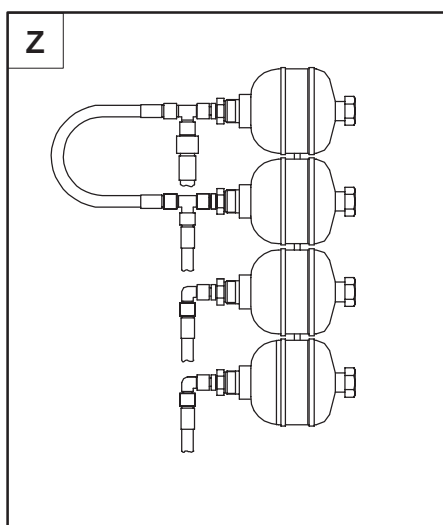
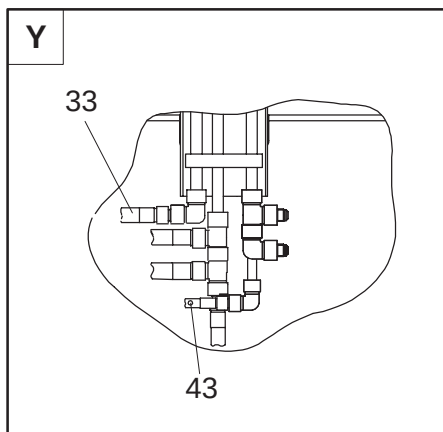
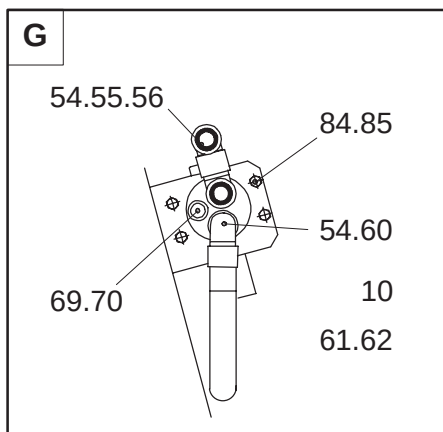
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Page Página 4	Module Módulo KV03-0117	Date Data 00-03-15	Description Descrição Hydraulics for frame	
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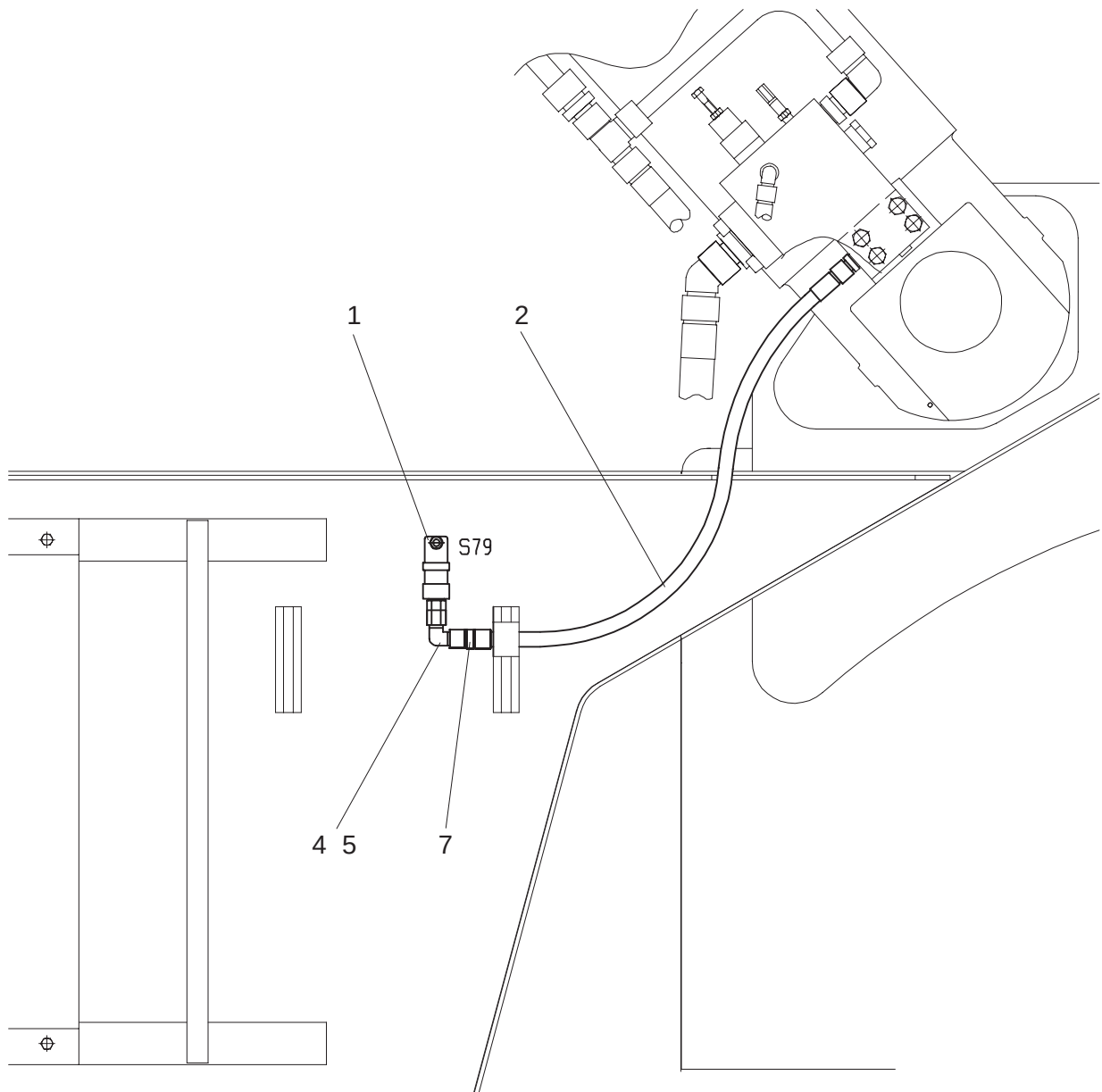
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Hydraulics for frame		00-03-15	KV03-0117	5
Item.	Description		Order no.	Qty	S	Notes	
48	Fitting	União	643485122	1		Parke	16R6XS
49	Fitting	União	64255925	2			VLS62022 25JIC/R1
50	Fitting	União	64345725	3			VLS62033 25JIC/1 5/16
51	Nut	Porca	64163931	1			VLS620.50 30JIC
52	Fitting	União	643461309	1			VLS620.37 30/ 25JIC
53	Fitting	União	643445302	1			VLS620.21 30JIC/R1/ 1/4
60	Fitting	União	64345720	3			VLS62033 20JIC/1 1/16
61	Fitting	União	64345925	2			VLS62035 25JIC/1 5/16
62	Fitting	União	643065121	1			VLS62038 25/20JIC
63	Fitting	União	643445202	3			VLS62021 20JIC/R3/4
64	Fitting	União	64345325	1			VLS62029 25JIC
65	Nut	Porca	64163926	3			VLS620.50 25JIC
66	Fitting	União	643461257	1			VLS62037 25/16JIC
67	Fitting	União	64306916	1			VLS62031 25JIC
68	Fitting	União	64306516	1			VLS62027 25JIC
80	Screw	Parafuso	53060178	12		ISO4017	M10X20
81	Screw	Parafuso	53060196	2		ISO4014	M10X110
82	Nut	Porca	51010100	6		DIN985	M10
83	Screw	Parafuso	58130547	4		DIN912	M12X50
88	Hose	Tubo	VL5405527	1			
91	Nut	Porca	64163931	1			VLS620.50 30JIC
92	Fitting	União	643461309	1			VLS62037 30/25JIC

Page Página	Module Módulo	Date Data	Description Descrição	
6	KV03-0117	00-03-15	Hydraulics for frame	



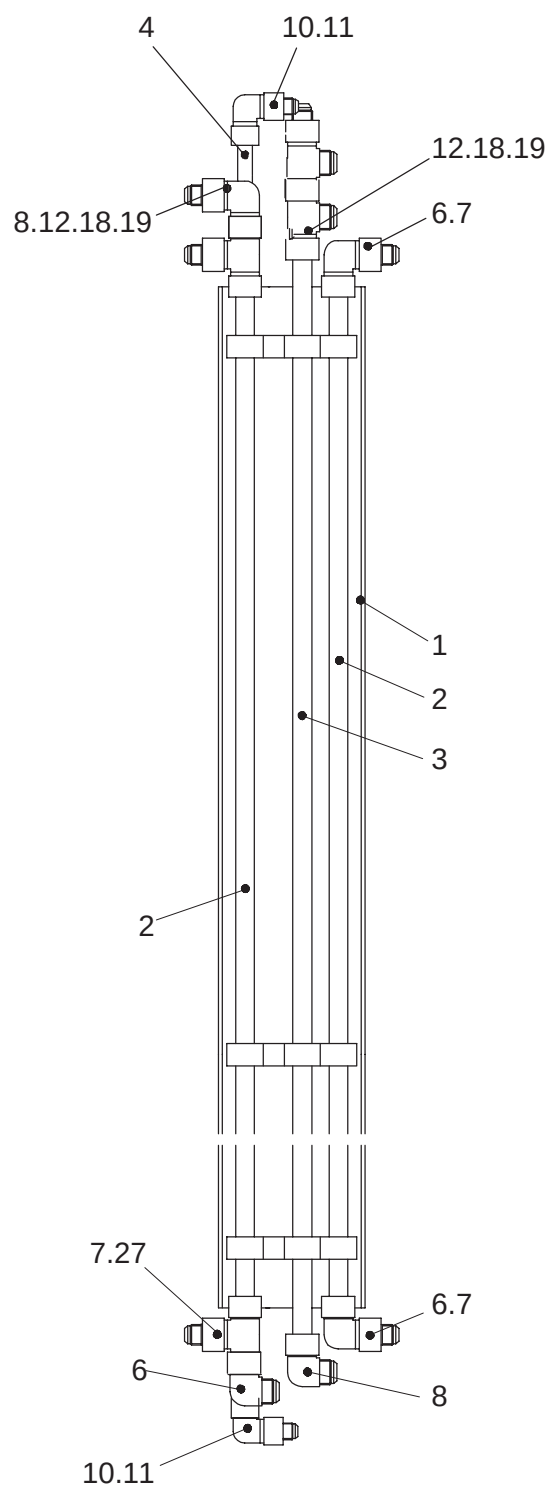
		Description Descrição Hydraulics for frame			☐	Date Data 00-03-15	Module Módulo KV03-0117	Page Página 7
Item.	Description		Order no.	Qty	S	Notes		
28	Hose	Tubo	VL5405509	1	100			
33	Hose	Tubo	VL5404509	1	100			
34	Hose	Tubo	VL5404513	1	100			
35	Hose	Tubo	VL5404524	1	100			
36	Hose	Tubo	VL5404518	1	100			
43	Hose	Tubo	VL5403611	1	100			
44	Hose	Tubo	VL5402924	1	100			
48	Fitting	União	643485122	1	100	Parke	16R6XS	
49	Fitting	União	64255925	2			VLS62022 25JIC/R1	
50	Fitting	União	64345725	3			VLS62033 25JIC/1 5/16	
51	Nut	Porca	64163931	1			VLS620.50 30JIC	
52	Fitting	União	643461309	1			VLS620.37 30/ 25JIC	
53	Fitting	União	643445302	1			VLS620.21 30JIC/R1/ 1/4	
54	Fitting	União	643445201	2			VLS620.21 20JIC/R1/2	
55	Fitting	União	64348512	1		Parke	12R6XS	
56	Fitting	União	64345920	2			VLS62035 20JIC/1 1/16	
57	Fitting	União	64348528	1		Parke	TT4XS20-1/4	
58	Nut	Porca	64163920	1	100		VLS620.50 20JIC	
59	Fitting	União	64332191	1			EMA3/R1/4-ED/A3C	
60	Fitting	União	64345720	3			VLS62033 20JIC/1 1/16	
61	Fitting	União	64345925	2			VLS62035 25JIC/1 5/16	
62	Fitting	União	643065121	1			VLS62038 25/20JIC	
63	Fitting	União	643445202	3			VLS62021 20JIC/R3/4	
64	Fitting	União	64345325	1			VLS62029 25JIC	
65	Nut	Porca	64163926	3			VLS620.50 25JIC	
66	Fitting	União	643461257	1			VLS62037 25/16JIC	
67	Fitting	União	64306916	1			VLS62031 25JIC	
68	Fitting	União	64306516	6	100		VLS62027 25JIC	
69	Gasket	Junta	61450147	1			VLS623.02 U14.7X22X1.5	
70	Plug	Ficha	64002608	1		DIN908	G1/4A	
84	Screw	Parafuso	58130465	4		DIN912	M8X40	
85	Nut	Porca	50410080	6		ISO4032	M8-8	
88	Hose	Tubo	VL5405527	1				
89	Hose	Tubo	VL5404509	1				
90	Hose	Tubo	VL5404519	1				
92	Fitting	União	643461309	1			VLS62037 30/25JIC	
93	Fitting	União	643445203	1		Parke	12-16F40X-S G1	
94	Fitting	União	643461259	2	100		VLS62037 25/20JIC	
95	Valve	Valvula	638381605	1		Parke	VCL-16F-05-A-A	
96	Valve	Valvula	K0808027H	1		STERL	GS06-08-OON	
97	Frame	Estrutura de suporte	K0808028H	1		STERL	LB1-0575S	
98	Coil	Indutora	K0808029H	1		STERL	CCS-24V	
99	Screw	Parafuso	53060145	2		ISO4017	M8X50	
100	Fitting	União	64348912	1		Parke	45A 12V6XS1.1/16-12	
101	Fitting	União	64348916	1		Parke	45A 16V6XS1.5/16-12	

Page Página	Module Módulo	Date Data	Description Descrição		
8	KV03-0117	00-03-16	Pressure switch/ lift		



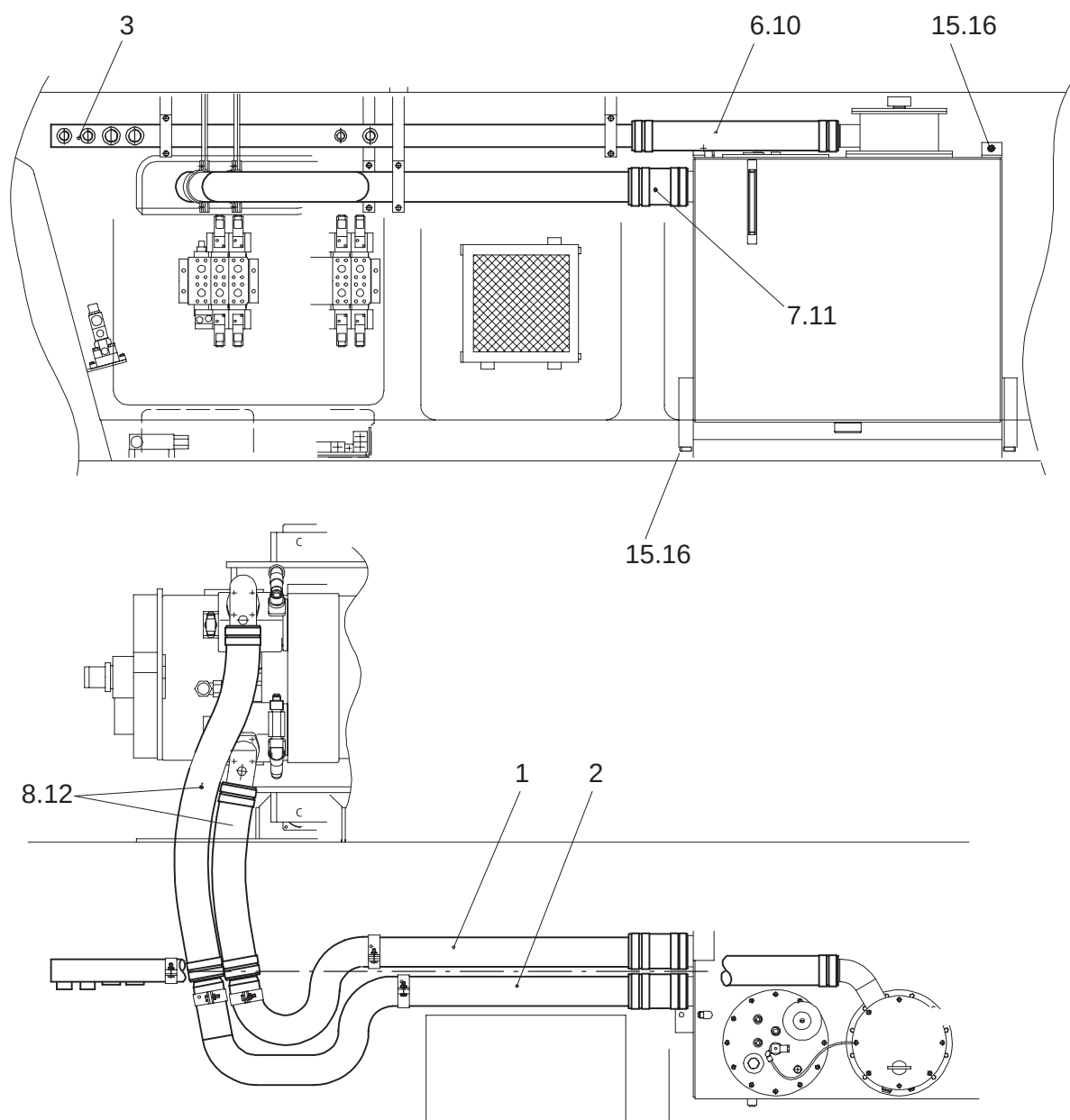
		Description Descrição Pressure switch/ lift			☐	Date Data 00-03-16	Module Módulo KV03-0117	Page Página 9
Item.	Description	Order no.	Qty	S	Notes			
1	Pressure switch Interruptor de pressão	65238773	1		181-46003-1 90bar VLS62029 10JIC PARKE 6TT4XS			
2	Hose Tubo	VL5400012	1					
4	Fitting União	64345710	1					
5	Measuring connector Ligação para manómetros	64348521	1					
7	Fitting União	K5680131	1					

Page Página 10	Module Módulo KV03-0117	Date Data 00-03-15	Description Descrição Hydraulics for frame	☐	
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		Description Descrição Hydraulics for frame			☐	Date Data 00-03-15	Module Módulo KV03-0117	Page Página 11
Item.	Description		Order no.	Qty	S	Notes		
1	Housing	Caixa	K5671560	1				
2	Tube	Tubo	VL5532040	2				
3	Tube	Tubo	VL5532140	1				
4	Tube	Tubo	VL5522290	1				
6	Fitting	União	64345725	3		VLS62033 25JIC/1 5/16		
7	Fitting	União	643065121	3		VLS62038 25/20JIC		
8	Fitting	União	64345325	2		VLS62029 25JIC		
10	Fitting	União	64345720	2		VLS62033 20JIC/1 1/16		
11	Fitting	União	643065101	2		VLS62038 20/16JIC		
12	Fitting	União	643485122	3		Parke 16R6XS		
18	Nut	Porca	64163926	3		VLS620.50 25JIC		
19	Fitting	União	643461259	3		VLS62037 25/20JIC		
27	Fitting	União	64345925	1		VLS62035 25JIC/1 5/16		

Page Página 12	Module Módulo KV03-0117	Date Data 98-02-02	Description Descrição Hydraulics for frame	
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			☐		Date Data	Module Módulo	Page Página
Description Descrição			Hydraulics for frame		98-02-02	KV03-0117	13
Item.	Description		Order no.	Qty	S	Notes	
1	Tube	Tubo	K5671170	1			
2	Tube	Tubo	K5671160	1			
3	Tube	Tubo	K5671270	1			
6	Hose	Tubo	68512575	X		ARES	HEL075
7	Hose	Tubo	68512597	X			VLS61604 100 L=200MM
8	Hose	Tubo	68510289	X		MALMÖ	090
10	Clip	Grampo	60282794	4		NORMA	S-94/25
11	Clip	Grampo	602827915	8		NORMA	S-115/25
12	Clip	Grampo	60282796	8		KERKO	2R105
15	Screw	Parafuso	53060220	4		ISO4017	M12X25
16	Washer	Anilha	50032120	4		DIN1440	12

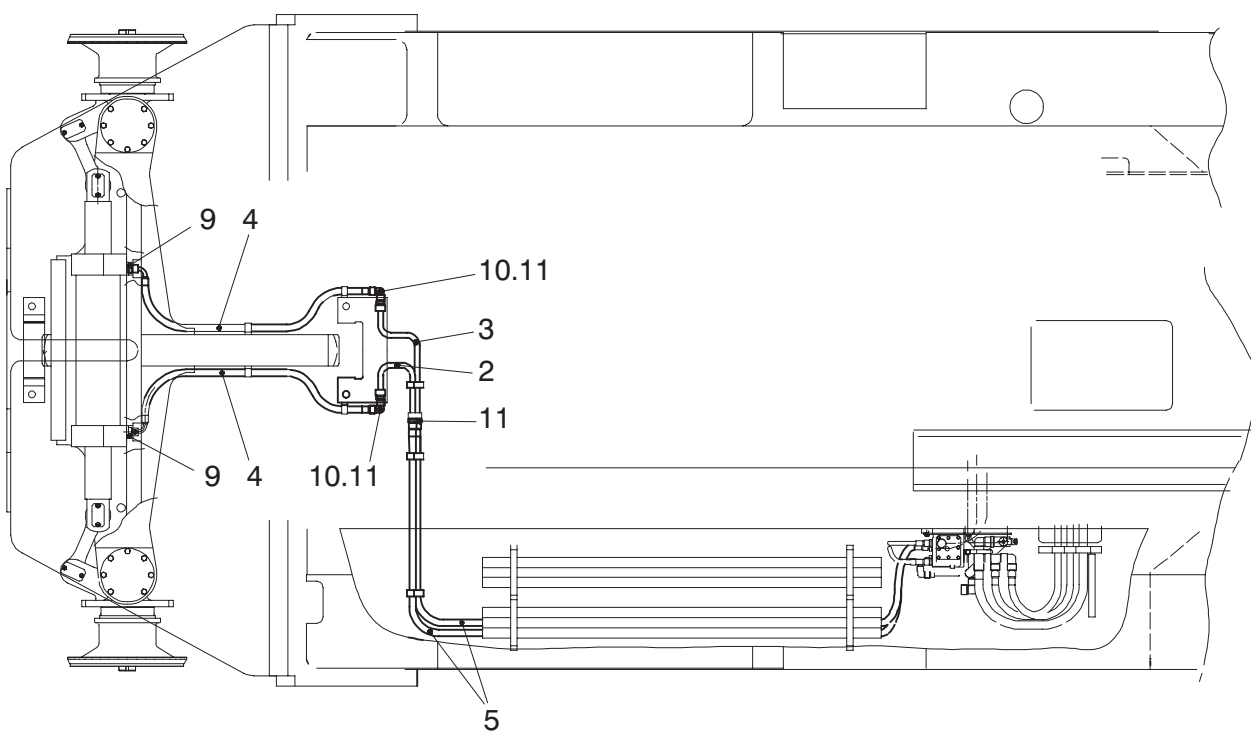
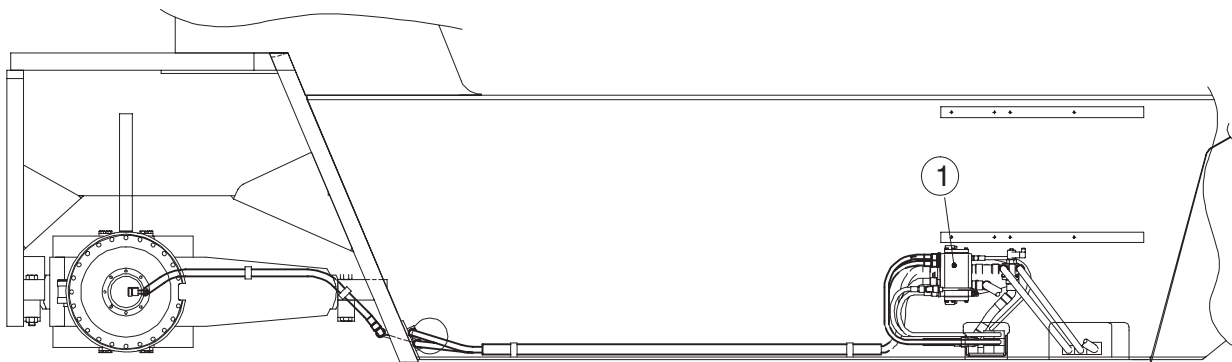
	Revision Revisão	☐ Date Data 00-03-16	Module Módulo KV03-0118	Page Página 1/7
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KV03-0118

Hydr. equipment for steering device

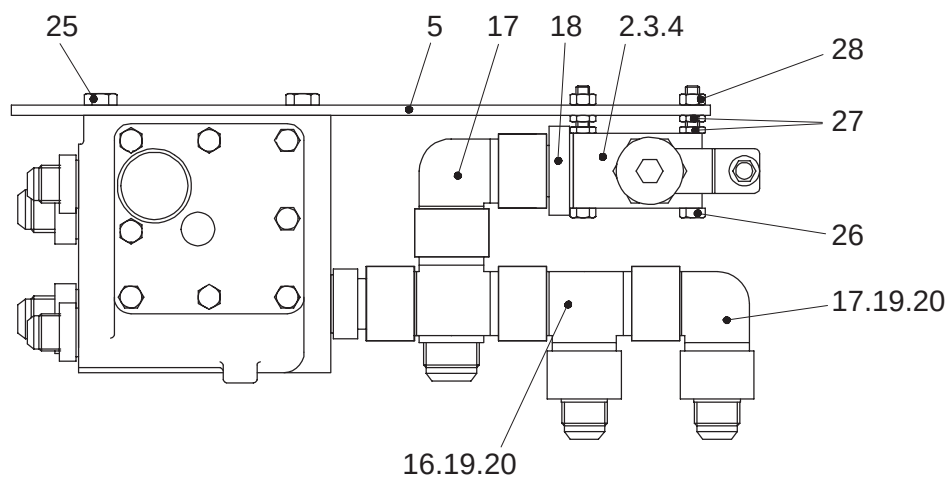
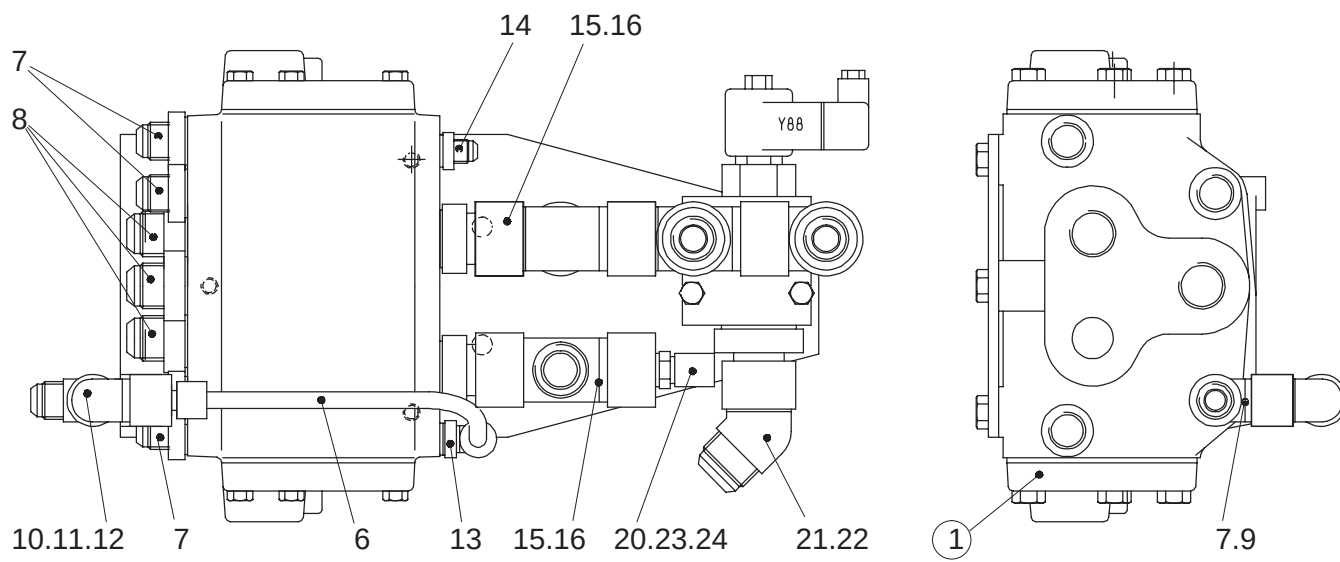
Equipamento hidráulico do sistema de direção

Page Página 2	Module Módulo KV03-0118	Date Data 00-03-15	Description Descrição Hydr.tubing for steer.	☐	
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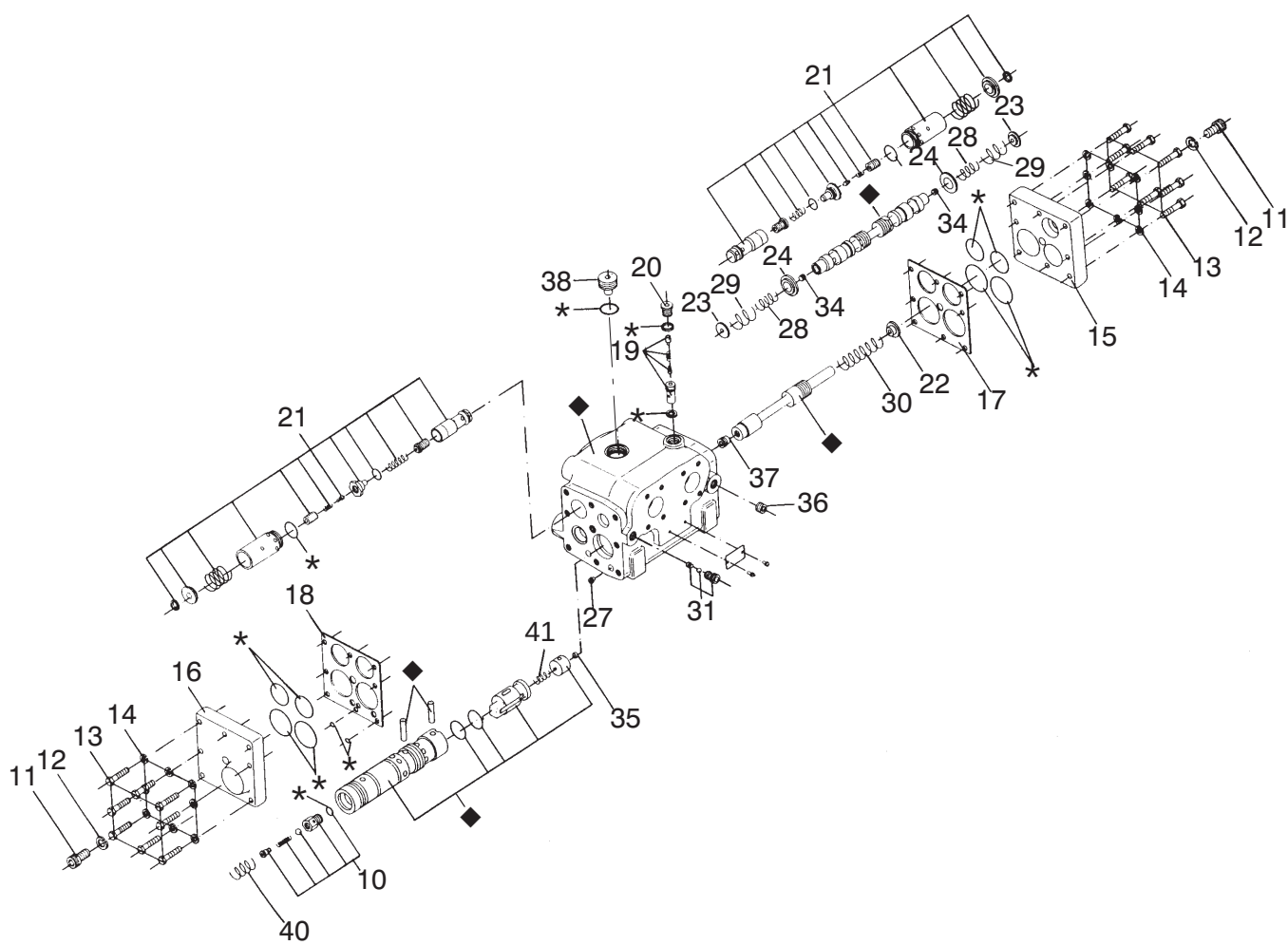
		Description Descrição Hydr.tubing for steer.			☐	Date Data 00-03-15	Module Módulo KV03-0118	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Valve	Valvula		1		K5671400		
2	Tube	Tubo	K5672110	1				
3	Tube	Tubo	K5672120	1				
4	Hose	Tubo	VL5405019	2				
5	Hose	Tubo	VL5404545	2				
9	Fitting	União	643445202	2		VLS62021 20J1C/R3/4		
10	Fitting	União	64345720	2		VLS62033 20JIC/1 1/16		
11	Fitting	União	643065121	4		VLS62038 25/20JIC		

Page Página 4	Module Módulo KV03-0118	Date Data 93-01-12	Description Descrição Valve	
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			Description Descrição Valve		Date Data 93-01-12	Module Módulo KV03-0118	Page Página 5
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	T1209025H	1		Danfo	OSQA5CN
	see page 7						
2	Valve	Valvula	K0808042H	1		STERL	GS06-16-0-ON
3	Coil	Indutora	K0808029H	1		STERL	CCS-24V
4	Frame	Estrutura de suporte	K0808028	1		STERL	LB1-0575S
5	Plate	Placa	K5671530	1			
6	Tube	Tubo	K5671540	1			
7	Fitting	União	643445162	4			VLS620.21 20JIC/R1/2
8	Fitting	União	643445202	3			VLS620.21 20JIC/R3/4
9	Fitting	União	643485102	1		Parke	10R6XS
10	Fitting	União	64345716	1			VLS620.33 16JIC/7/8-14
11	Fitting	União	643461163	1			VLS620.37 16/10JIC
12	Nut	Porca	64163910	1			VLS620.50 16JIC
13	Fitting	União	643449101	1			VLS620.25 10JIC/R1/4
14	Fitting	União	643445101	1			VLS620.21 10JIC/R1/4
15	Fitting	União	643445251	2			VLS620.21 25JIC/R3/4
16	Fitting	União	643485122	3		Parke	16R6XS
17	Fitting	União	64345725	2			VLS620.33 25/1 5/16JIC
18	Fitting	União	64255925	1			VLS620.22 25JIC/R1
19	Fitting	União	642461259	2			VLS620.37 25/20JIC
20	Nut	Porca	64163926	3			VLS620.50 25JIC
21	Fitting	União	643445252	1			VLS620.21 25JIC/R1
22	Fitting	União	64348916	4		Parke	45A 16V6XS1.5/16-12
23	Measuring connector		64348529	1		Parke	16TT4XS25-1/4
	Ligação para manómetros						
24	Measuring connector		64332191	1		EMA	3/R1/4-ED/A3C
	Ligação para manómetros						
25	Screw	Parafuso	53060178	3		ISO4017	M10X20
26	Screw	Parafuso	53160149	2		ISO4014	M8X70
27	Nut	Porca	50510080	4		ISO4035	M8-04
28	Nut	Porca	51010080	2		DIN985	M8

Page Página	Module Módulo	Date Data	Description Descrição		
6	KV03-0118	99-08-27	Valve		



			Description Descrição Valve		Date Data 99-08-27	Module Módulo KV03-0118	Page Página 7
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	T1209025H	1		Danfo	OSQA5CN 150F0041
10	Valve	Valvula	804106736	1		Danfo	150F0245
11	Screw	Parafuso	804106737	2		Danfo	681X1150
12	Washer	Anilha	804106738	2		Danfo	684X9010
13	Screw	Parafuso	804301231	16		Danfo	681X1578
14	Washer	Anilha	804106739	16		Danfo	684X9062
15	Cover	Tampa	804106740	1		Danfo	150F0405
16	Cover	Tampa	804106741	1		Danfo	150F0406
17	Plate	Placa	804106742	1		Danfo	150F0439
18	Plate	Placa	804106743	1		Danfo	150F0438
19	Valve	Valvula	804106744	1		Danfo	150F0252
20	Plug	Ficha	804106745	1		Danfo	631X2026
21	Valve	Valvula	804106746	1		Danfo	150F0252
22	Retainer	Retentor	804106747	1		Danfo	150F0422
23	Retainer	Retentor	804106748	2		Danfo	150F0430
24	Guide	Guia	804106749	2		Danfo	150F0429
27	Nozzle	Bico injector	804106750	1		Danfo	150F0426
28	Spring	Mola	804106751	2		Danfo	663X1031
29	Spring	Mola	804106752	2		Danfo	663X1033
30	Spring	Mola	804106753	1		Danfo	663X1030
31	Valve	Valvula	804106754	1		Danfo	150F0478
32	Plug	Ficha	804106755	1		Danfo	631X2036
33	Washer	Anilha	804106756	1		Danfo	684X2120
34	Nozzle	Bico injector	804106757	2		Danfo	155B8308
35	Nozzle	Bico injector	804106758	1		Danfo	155B8308
36	Nozzle	Bico injector	804106759	1		Danfo	150F0456
38	Plug	Ficha	804106760	1		Danfo	150F0506
40	Spring	Mola	804106761	1		Danfo	663X1032
41	Spring	Mola	804106762	1		Danfo	663X1028
*	Gasket set	Jogo juntas	804106962	1		Danfo	150F0278

◆) Not spare part
)

	Revision Revisão VOK47/00-09-12	☐ Date Data 98-10-06	Module Módulo KV03-0102	Page Página 1/5
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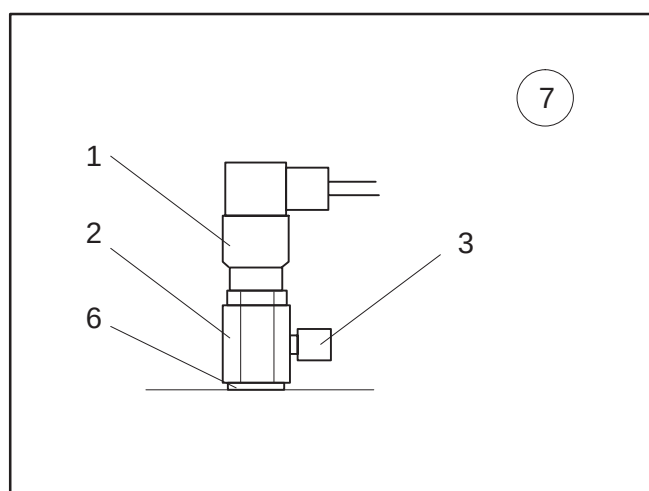
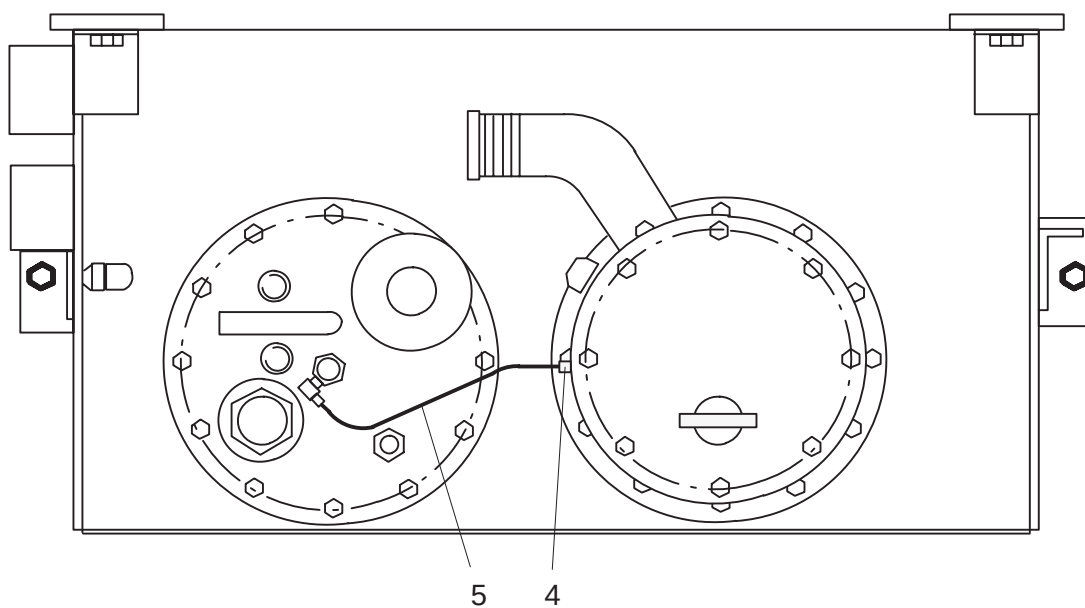
KV03-0102

Hydr. tank

Reservatório de óleo hidráulico

			☐		Date Data	Module Módulo	Page Página
Description Descrição			Hydr. tank, compl.		99-08-26	KV03-0102	3
Item.	Description		Order no.	Qty	S	Notes	
1	Container	Deposito	K5671310	1	06		
2	Cover	Tampa	K5181050	1			
3	Cover	Tampa	T5516770	1			
4	Gasket	Junta	T5014410	3			
5	Gasket	Junta	T5014420	1			
6	Tube	Tubo	T5506870	1			
7	Flange	União	T5506880	1			
10	Switch see page 5	Interruptor		1			
11	Plug	Ficha	T5516800	1	100	VLS623.02 U42.7X53X3	
12	Gasket	Junta	61450427	1			
13	Gasket	Junta	T3209050H	1	100	2" kupariasbesti	
14	Plug	Ficha	730000610	1		NO 61 M22x1.5 kartio	
15	Breather	Respirador	T1001012H	1		Finnf	FF2025.F025-X52
16	Filter	Filtro	K1001059H	1		Finnf	FFPAVL-21113-10
16a	Filter element	Elemento de filtro	K1001060H	1		Finnf	FFPAVL-11113-10
17	Plug	Ficha	64002650	1		DIN908ST G 2 A	
18	Screw	Parafuso	53060138	20	06	ISO4017	M8x20 8.8
19	Screw	Parafuso	53060143	12		ISO4017	M8x40 8.8
20	Seal ring	Vedante	61588141	24		DIN7603	8x11.5
23	Graduated glass	Vidro graduado	63865254	1		Hytar	LM254-1T
24	Gasket set	Jogo juntas	804107072	1		Parker	918045040

Page Página	Module Módulo	Date Data	Description Descrição		
4	KV03-0102	93-01-12	Indicator		



		Description Descrição Indicator			Date Data 93-01-12	Module Módulo KV03-0102	Page Página 5
Item.	Description	Order no.	Qty	S	Notes		
1	Switch	Interruptor	T1009067H	1	Finne	FPC E1050919010	
2	Fitting	União	T1009066H	1	Finne	FPC 1050910003	
3	Fitting	União	64120006	1	DIN2353	GL 6	
4	Fitting	União	64104006	1	DIN2353	BLL 6	
5	Tube	Tubo	68585903	x		PA11 6x3	
6	Gasket	Junta	61450107	1		VLS 623.02 U 10.7x18x1.5	
**7	Signal light module	Módulo da luz de sinalização	K5167140	1			

x) Order as required (min. delivery length hoses 1 m, pipes 3 m).
x)

**) See cabin module
**)

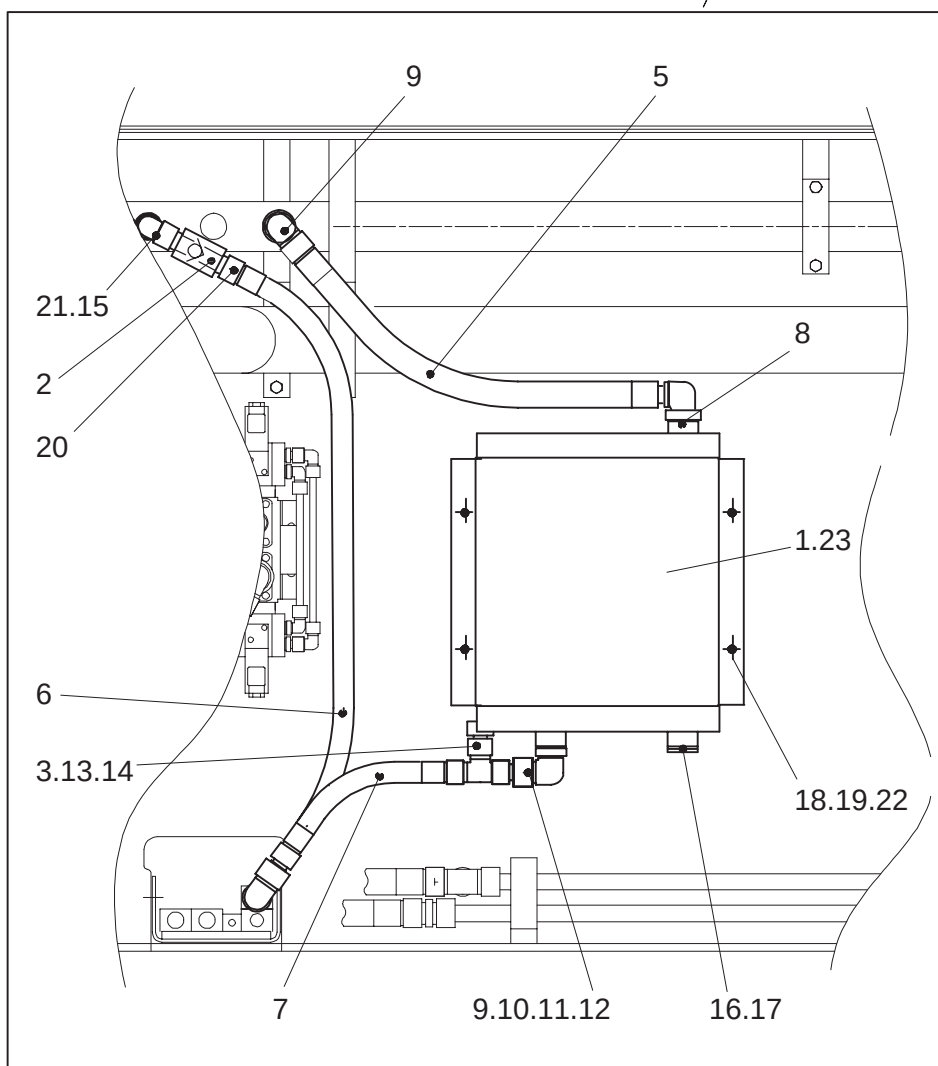
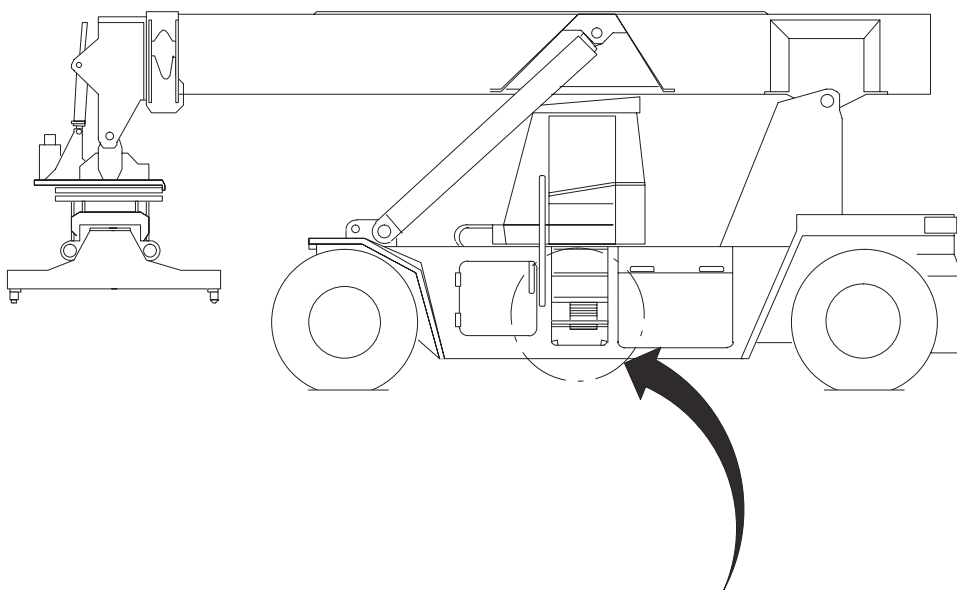
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV03-0103	Page Página 1/3
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KV03-0103

Oil cooler

Radiateur de óleo

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV03-0103	98-09-01	Oil cooler	

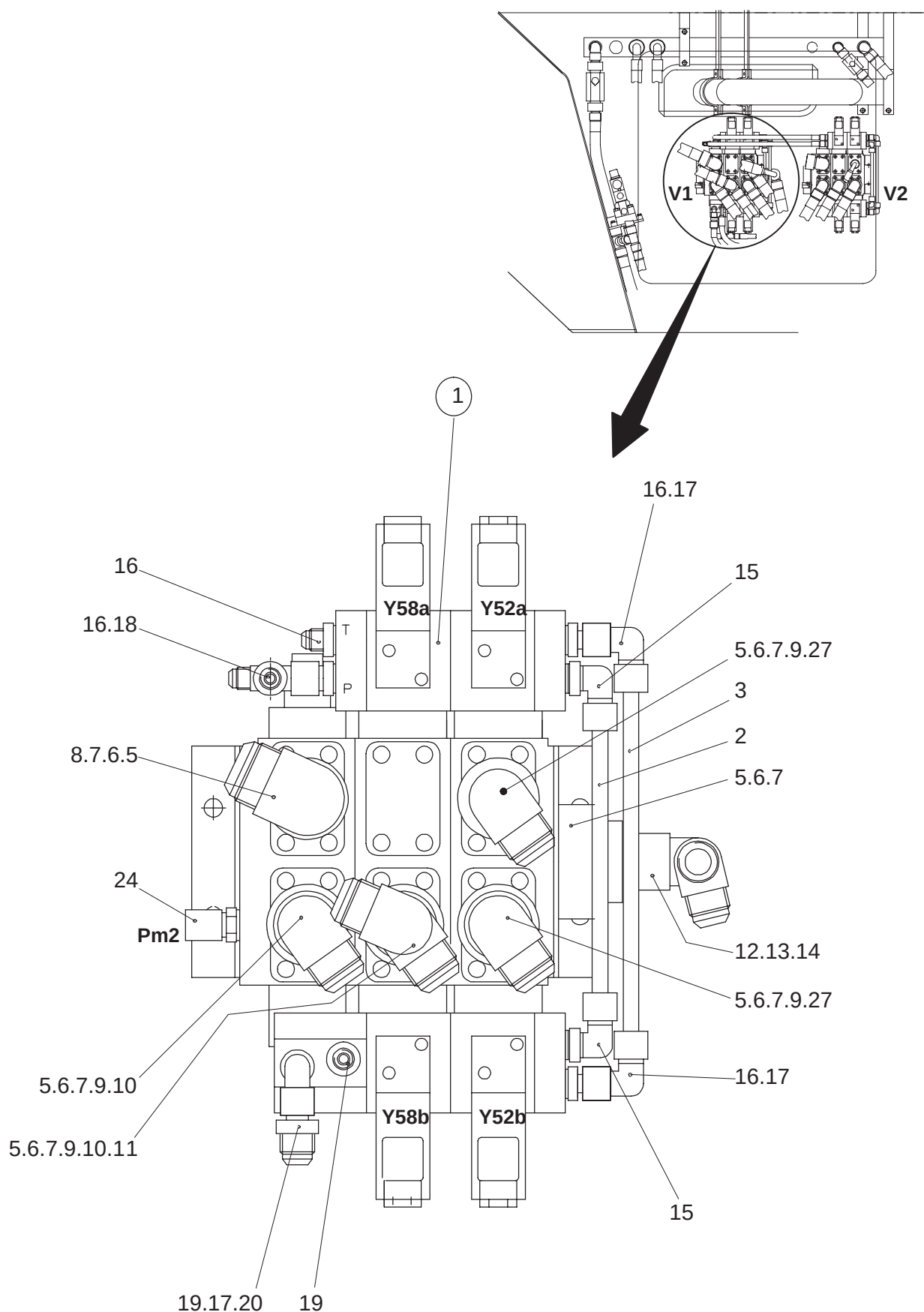


			☐			Date Data	Module Módulo	Page Página
Description Descrição Oil cooler						98-09-01	KV03-0103	3
Item.	Description		Order no.	Qty	S	Notes		
1	Oil cooler	Radiador de oleo	T1302017H	1	400	OLAER	TBBBBBD-16-24V	
2	Valve	Valvula	T0808067H	1		REXRO	S20A5X 5BAR	
3	Thermoswitch	Interruptortermico	65238838	1	200		TK-70 R1/4	
4	Shield	Proteccão	K5671710	1				
5	Hose	Tubo	VL5406012	1	100			
6	Hose	Tubo	VL5404516	1	100			
7	Hose	Tubo	VL5404510	1	100			
8	Fitting	União	643445252	1			VLS62021 25JIC/R1	
9	Fitting	União	643449252	2			VLS62025 25JIC/R1	
10	Nut	Porca	64163926	1			VLS62050 25JIC	
11	Fitting	União	643461259	1			VLS62037 25/20JIC	
12	Fitting	União	64348512	1		Parke	12R6X-S	
13	Nut	Porca	64163920	1			VLS62050 20JIC	
14	Measuring connector		64348528	1		Parke	TT4XS20-1/4	
	Ligação para manômetros							
15	Fitting	União	64345720	1			VLS62033 20JIC/1 1/16	
16	Plug	Ficha	64002625	1		DIN908	R1	
17	Gasket	Junta	61450343	1	100		U 34.3x43x2	
18	Screw	Parafuso	53060221	4		SFS2064	M12x30	
19	Nut	Porca	51010120	4		DIN985	M12	
20	Fitting	União	643445203	1		Parke	12-16F40X	
21	Fitting	União	64255921	1			VLS62022 20JIC/R3/4	
22	Washer	Anilha	50012120	4		DIN125	13	
23	Fan,compl	Ventilador, compl.	806601600	1		T&B	VA01-24	

KV03-0119

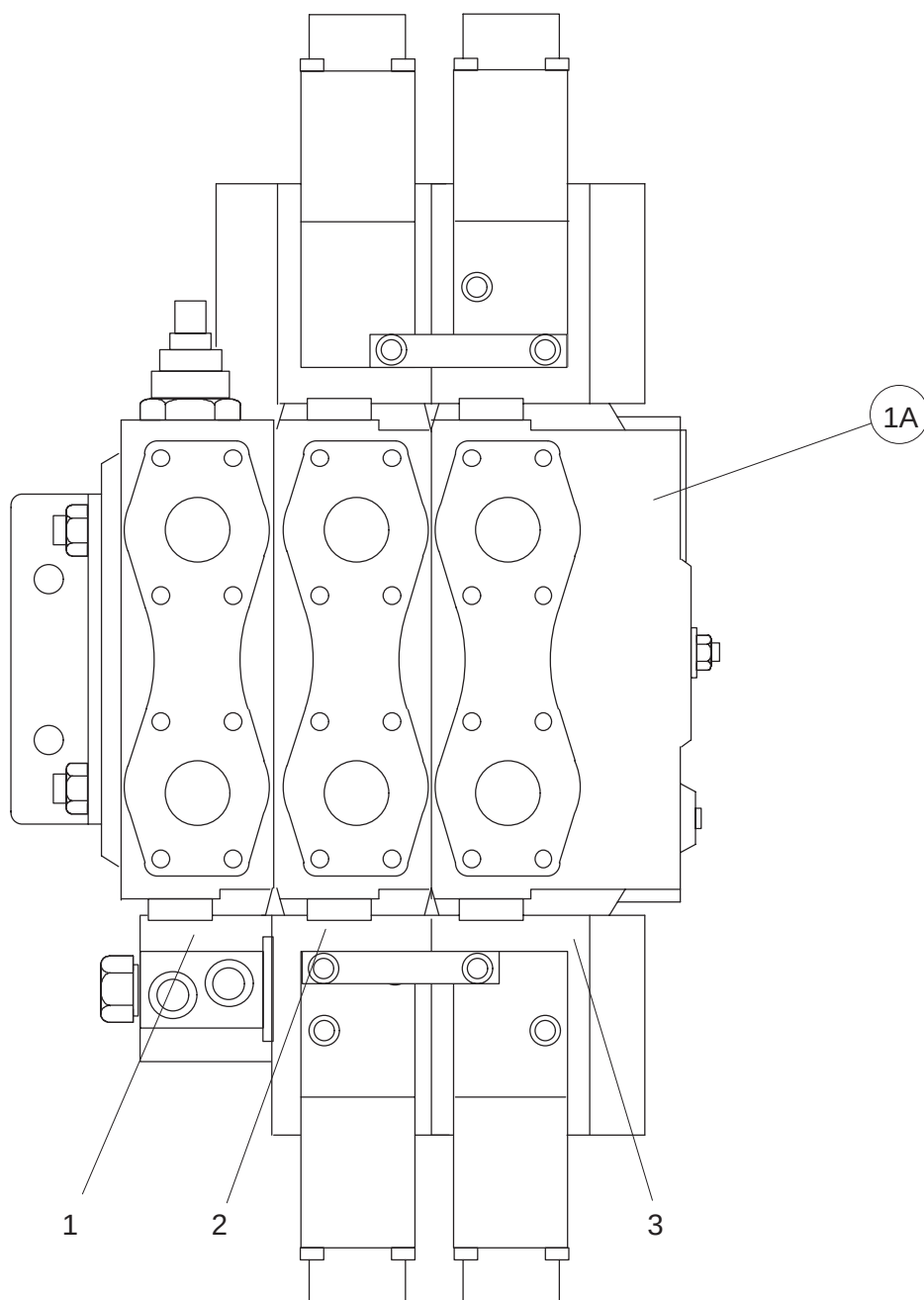
Hydr.valve

Válvula hidráulica



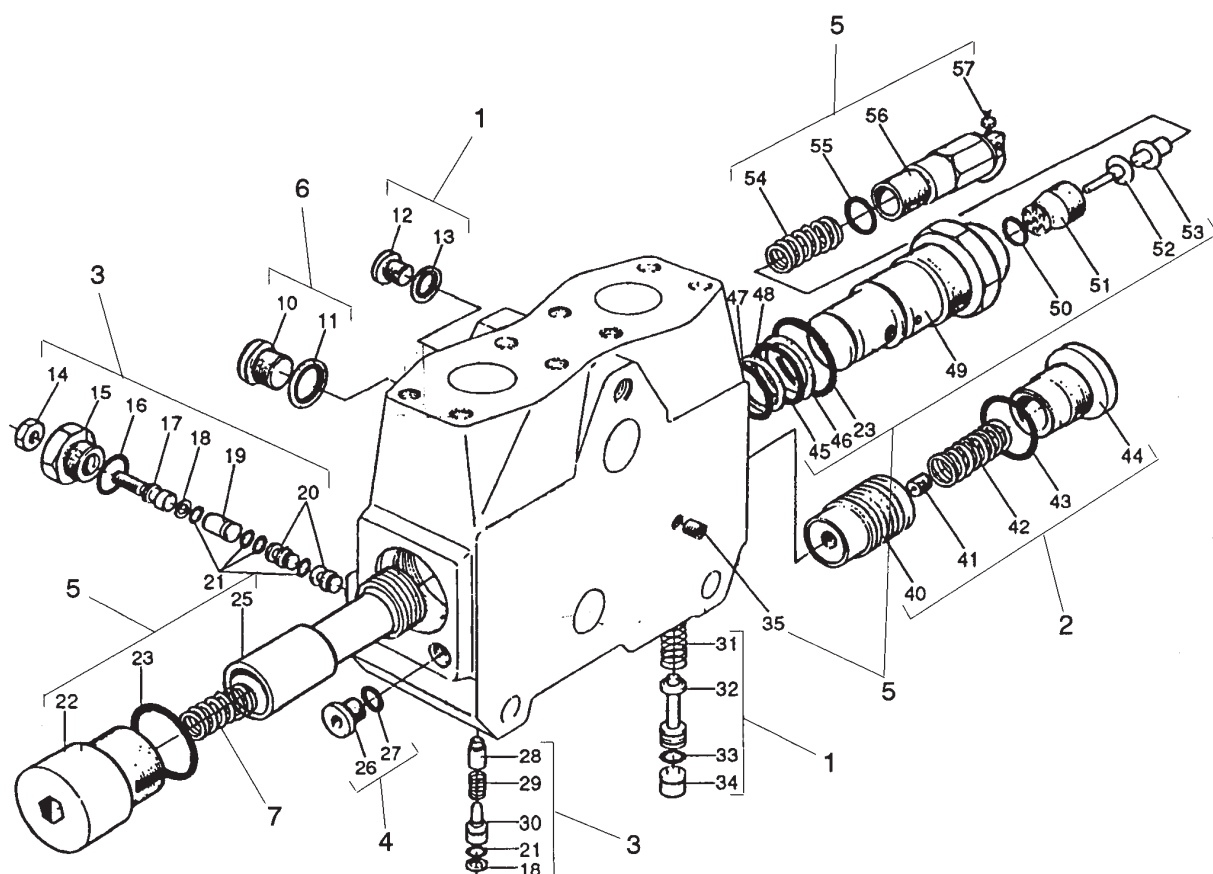
			☐		Date Data	Module Módulo	Page Página
Description Descrição					00-03-15	KV03-0119	3
I-valve, compl.							
Item.	Description	Order no.	Qty	S	Notes		
1	Valve compl. see page 5-17	K0808071H	1	100	VOAC	HV08-20213C	
2	Tube	T5635141	1				
3	Tube	T5635142	1				
5	Fitting	K5132250	6				
6	Gasket	61450343	6			U34,3x43x2	
7	Screw	58190502	24		SFS2219	M10x25	
8	Fitting	643449301	1			VLS62025 30JIC/R1	
9	Fitting	643445252	4			VLS62021 25JIC/R1	
10	Fitting	64345725	2			LS62033 25JIC/1 5/16	
11	Fitting	643485122	1		Parke	16-R6X-S	
12	Fitting	643445203	1		Parke	12-16F40X-S G1	
13	Fitting	64345720	1			VLS62033 25JIC/1 5/16	
14	Fitting	64348512	1		Parke	12R6XS	
15	Fitting	643449101	2			VLS62025 10JIC/R1/4	
16	Fitting	643445101	4			VLS62021 10JIC/R1/4	
17	Fitting	64345710	3			VLS62033 10JIC/9/16-18	
18	Fitting	643485101	1		Parke	6R6XS	
19	Fitting	642559101	2			VLS62022 10/R1/4	
20	Fitting	643065062	2			VLS62038 16/10JIC	
24	Measuring connector Ligação para manômetros	64332191	1			EMA 3/R1/4-ED/A3C	
27	Fitting	64348916	2		Parke	45A 16V6XS1.5/16-12	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
4	KV03-0119	93-01-12	Valve		



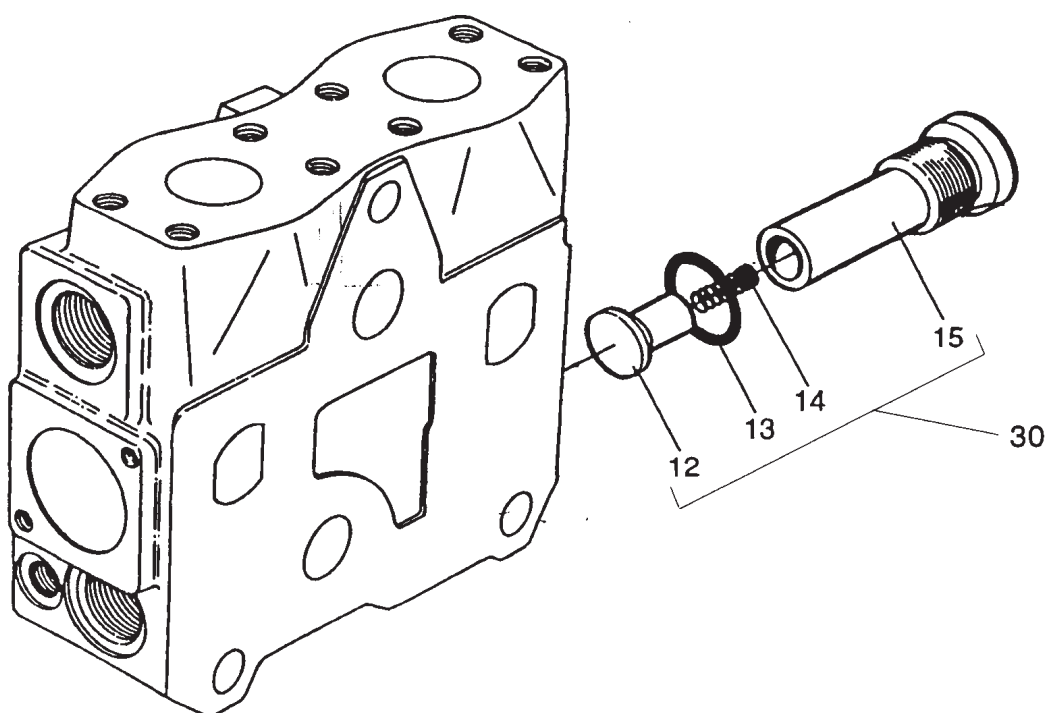
		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1A	Valve compl. see page 7-17	Válvula compl.	K0808071H	1		VOAC HV08-20213C		
1	Block	Bloco	804106553	1		VOAC HV08-00175A		
2	Block	Bloco	804106552	1		VOAC HV08-00232		
3	Block	Bloco	804106563	1		VOAC HV08-00174		

Page Página	Module Módulo	Date Data	Description Descrição	☐	
6	KV03-0119	93-01-12	Valve, compl.		



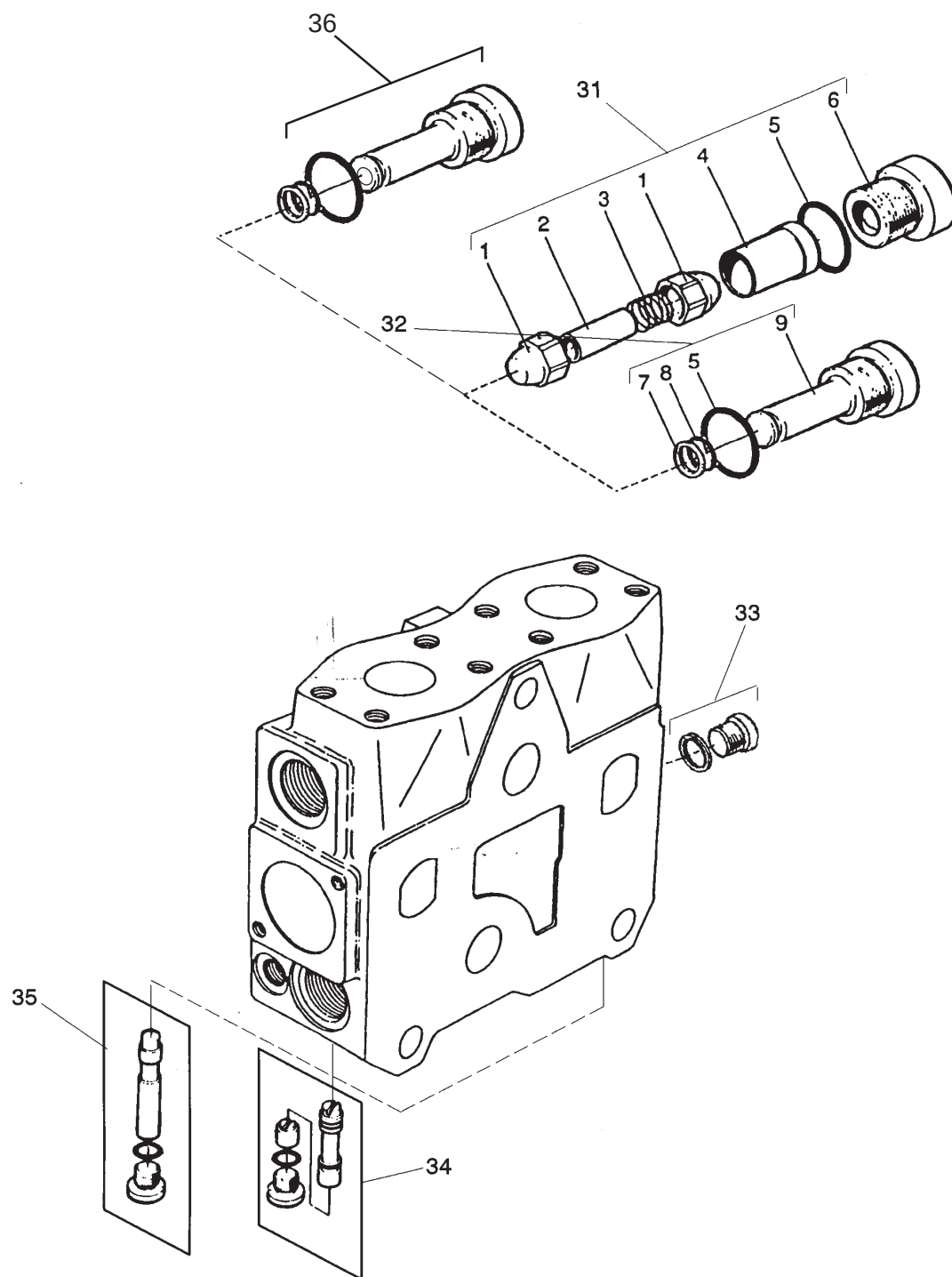
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Valve, compl.		93-01-12	KV03-0119	7
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	804705425	1		VOAC	91200892-01
2	Valve	Valvula	804705446	1		VOAC	91200892-36
3	Valve	Valvula	804705433	1		VOAC	91200892-02
4	Plug	Ficha	804705442	1		VOAC	91200892-23
5	Valve	Valvula	804705441	1		VOAC	91215810-24
6	Plug	Ficha	804705422	1		VOAC	91215810-30
7	Spring	Mola	804705469	1		VOAC	91282344 19BAR
*	Gasket set	Jogo juntas	804106881	1		VOAC	91256287 1kpl 91256286 1kpl 91266014 2kpl 91256045 5kpl 91256243 2kpl 91256185 1kpl 91256047 1kpl 91256990 1kpl 06632125 1kpl 91256707 1kpl 91256088 1kpl 06611521 1kpl 91256188 1kpl 91256320 1kpl

Page Página	Module Módulo	Date Data	Description Descrição	☐	
8	KV03-0119	93-01-12	One way valve		



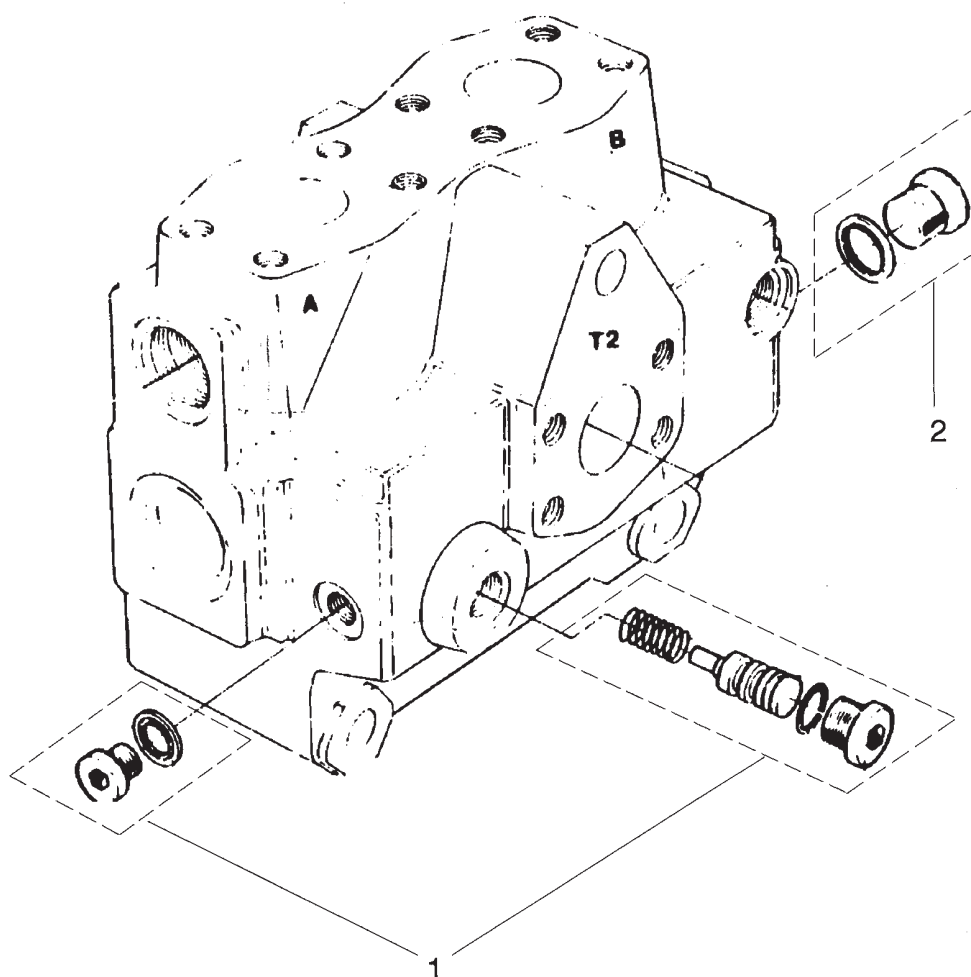
		Description Descrição One way valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
30	Valve compl.	Válvula compl.	804705450	2		VOAC	91200892-19	

Page Página 10	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição Valve	☐	
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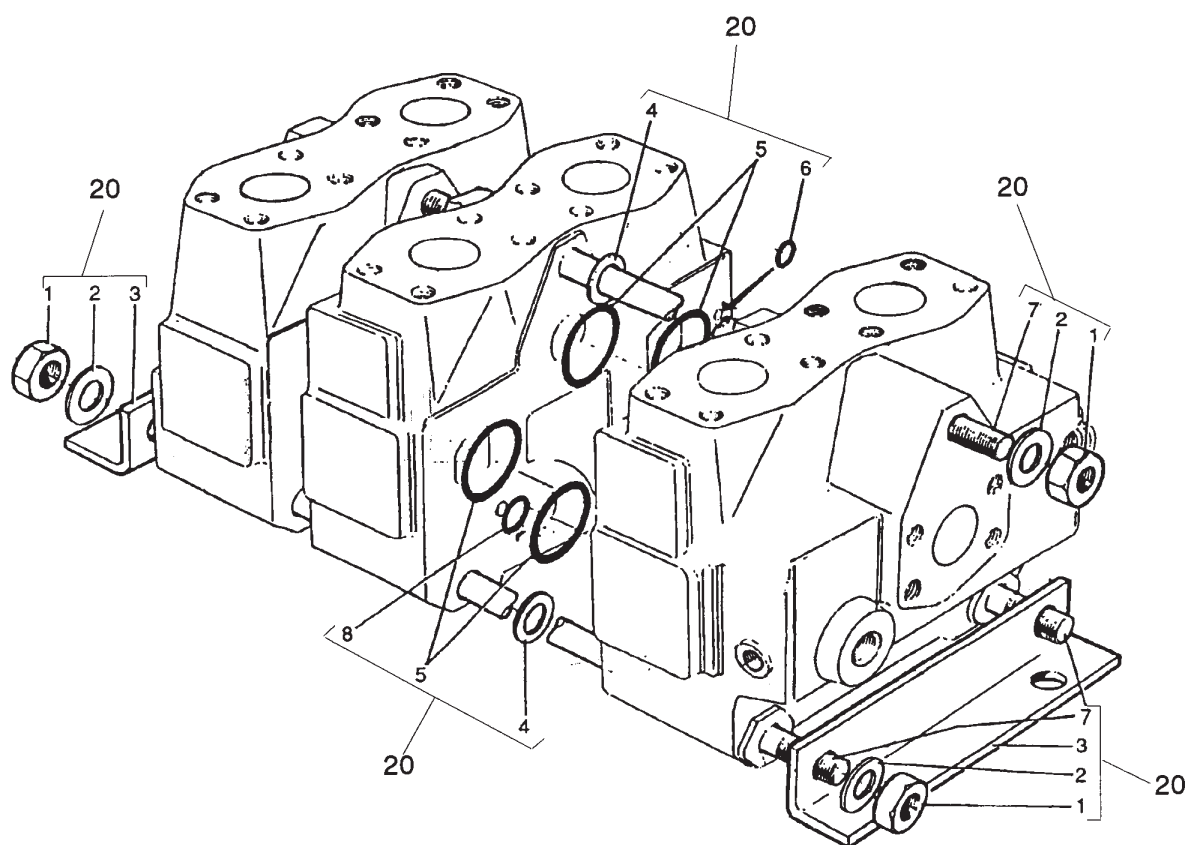
		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 11
Item.	Description		Order no.	Qty	S	Notes		
31	Valve compl.	Válvula compl.	804705452	1		VOAC	91215810-42	
32	Plug	Ficha	804705732	3		VOAC	91215810-41	
33	Plug	Ficha	804705442	1		VOAC	91200892-23	
34	Spindle	Veio	806815643	3		VOAC	91200892-34	
35	Plug	Ficha	806815642	1		VOAC	91200892-33	
36	Plug	Ficha	804106830	1		VOAC	38997-02	
*	Gasket set	Jogo juntas	804106883	1		VOAC	91256889 4kpl 06611500-23 2kpl 91256215 2kpl 91256185 6kpl	

Page Página 12	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição Valve	☐	
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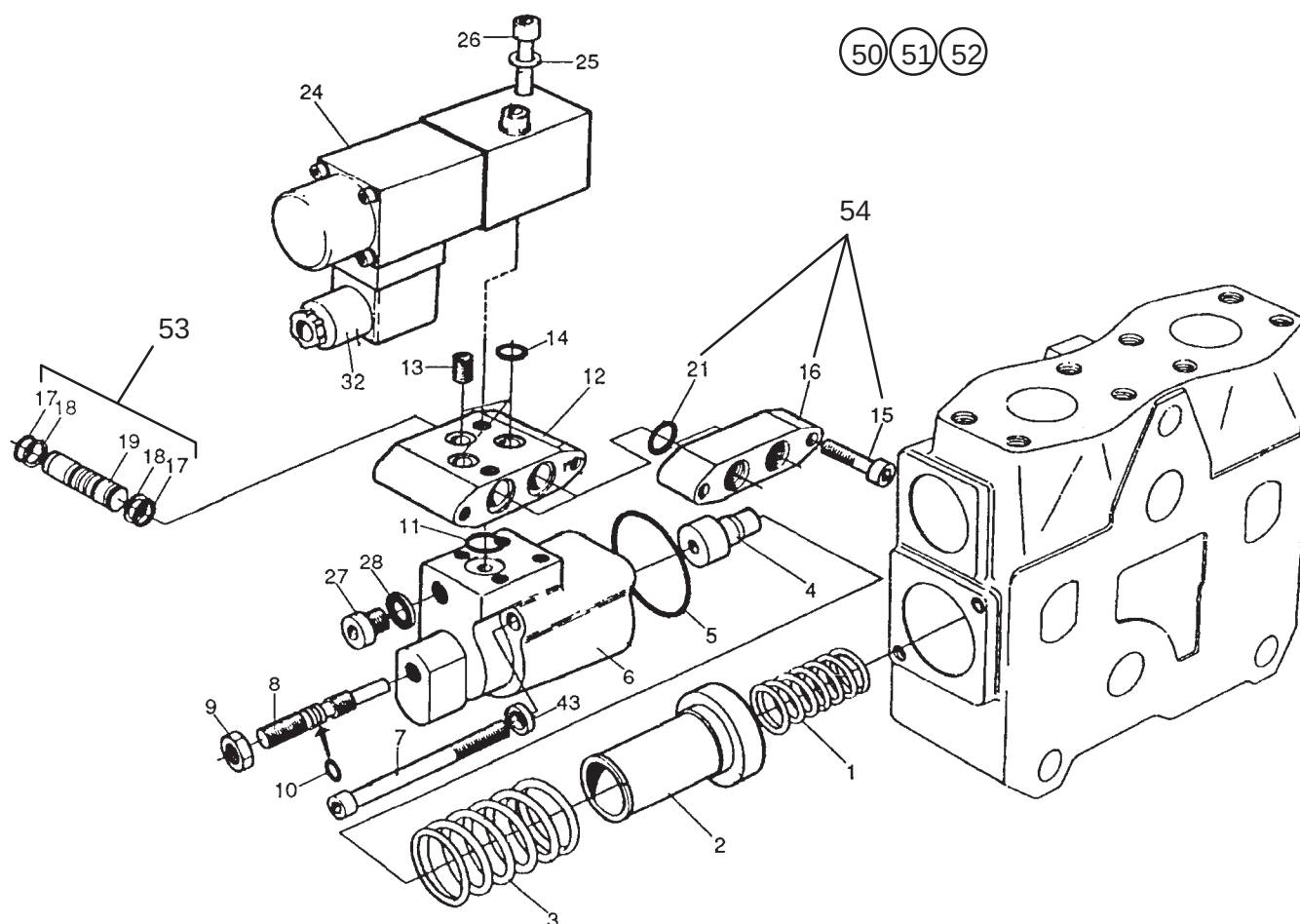
		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		
1	Plug	Ficha	804705490	3		VOAC	91215810-21	
2	Plug	Ficha	804705422	1		VOAC	91215810-30	

Page Página 14	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição Valve	☐	
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		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 15
Item.	Description		Order no.	Qty	S	Notes		
20	Mounting set	Conjunto suporte	804705781	1	100	Monsu	91200892-07	
*	Gasket set	Jogo juntas	T0809139H	1		VOAC	91200892-12	

Page Página 16	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição Valve	☐	
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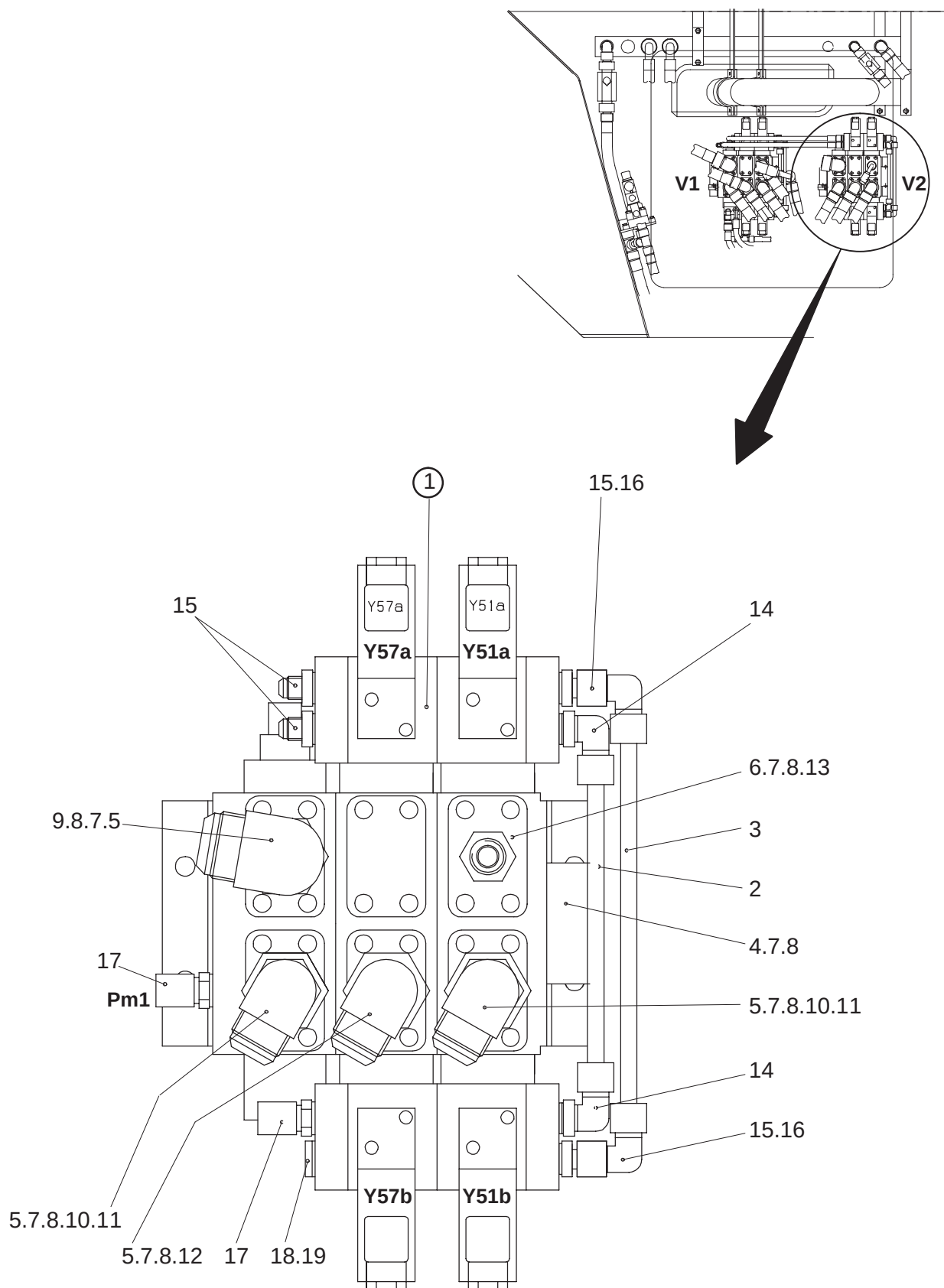
		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 17
Item.	Description	Order no.	Qty	S	Notes			
*50	Valve compl.	Válvula compl.	N0806090H	4		VOAC	PVE101-N-24	
**51	Spring set	Jogo de molas	804705458	1		VOAC	91200892-58	
◆52	Cylinder	Cilindro	804705461	1		VOAC	91200892-59	
53	Spindle	Veio	804705472	2		VOAC	91200892-60	
54	Fitting	União	804705466	1		VOAC	91200791-32	
◆◆	Gasket set	Jogo juntas	804106884	1		VOAC	06632100-03 4kpl	
							91256045 4kpl	
							91256049 4kpl	
							91256003 12kpl	
							06636114 8kpl	
							91283315 8kpl	
							91256009 8kpl	
							91256286 4kpl	

*)incl. parts 24-26,32

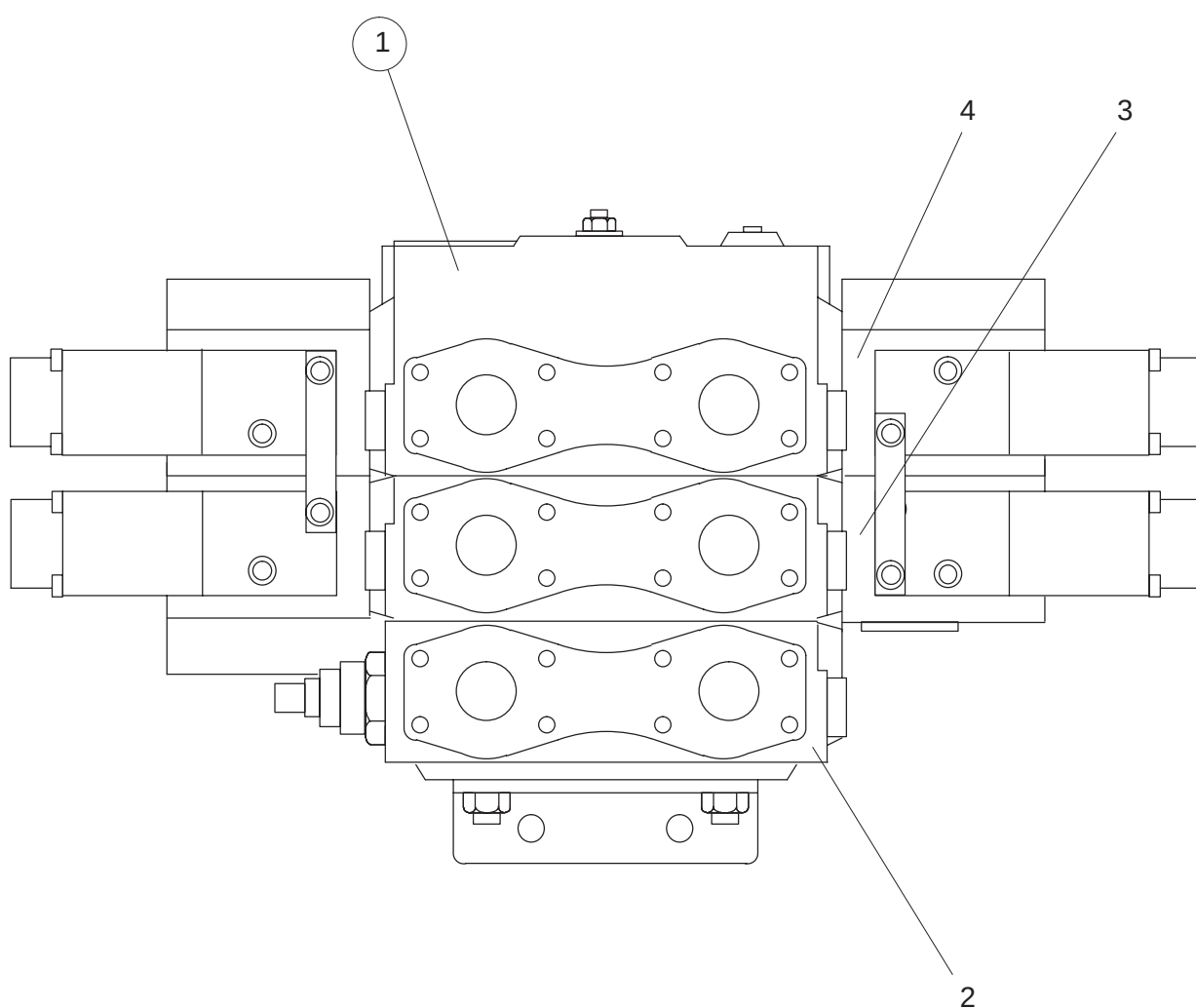
**)incl. parts 1-4

◆)incl. parts 5-12,14,27,28,43

Page Página 18	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição II-valve, compl.	
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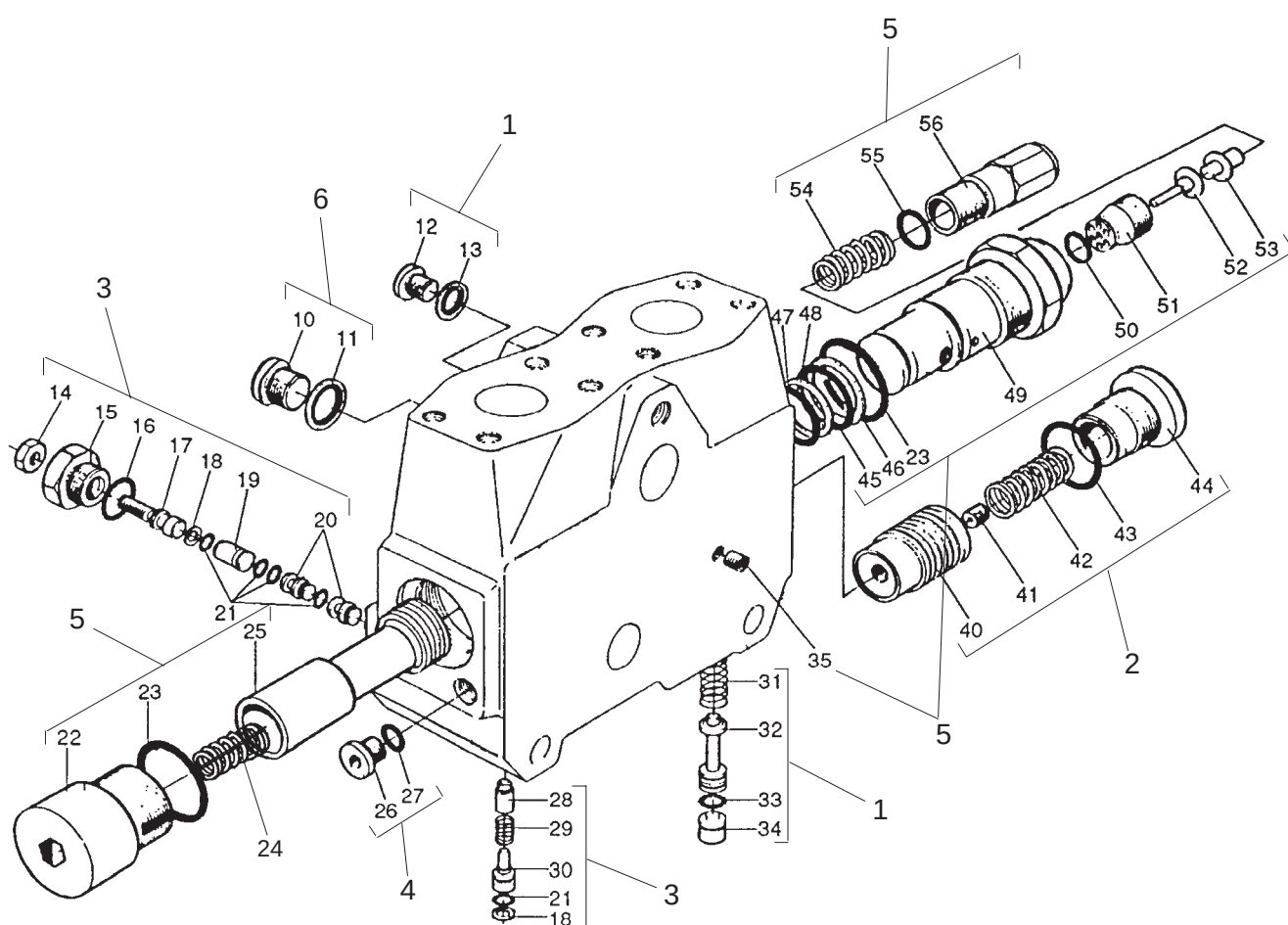


		Description Descrição II-valve, compl.			Date Data 93-01-12	Module Módulo KV03-0119	Page Página 19
Item.	Description	Order no.	Qty	S	Notes		
1	Valve compl. see page 21-33	K0808073H	1		VOAC	HV08-20225A	
2	Tube	Tubo	T5635141	1			
3	Tube	Tubo	T5635142	1			
4	Fitting	União	K5132260	1			
5	Fitting	União	K5132250	4			
6	Flange	União	T5615600	1			
7	Gasket	Junta	61450343	6	100		U34.3X43X2
8	Screw	Parafuso	58190502	24		SFS2219	M10x25
9	Fitting	União	643449301	1			VLS62025 130JIC/R1
10	Fitting	União	643445252	2			VLS62021 25JIC/R1
11	Fitting	União	64345725	2			VLS62033 25JIC/1 5/16
12	Fitting	União	643449252	1			VLS62025 25JIC/R1
13	Fitting	União	643445162	1			VLS62021 16JIC/R1/2
14	Fitting	União	643449101	2			VLS62025 10JIC/R1/4
15	Fitting	União	643445101	4			VLS62021 10JIC/R1/4
16	Fitting	União	64345710	2			VLS62033 10JIC/9/16-18
17	Measuring connector Ligação para manómetros	64332191	2	75	Mall.A:R	1/4"/M16x2/WD	
18	Gasket	Junta	61450147	1	100		VLS62302 U14.7X22X1.5
19	Plug	Ficha	64002608	1		DIN908 G1/4A	



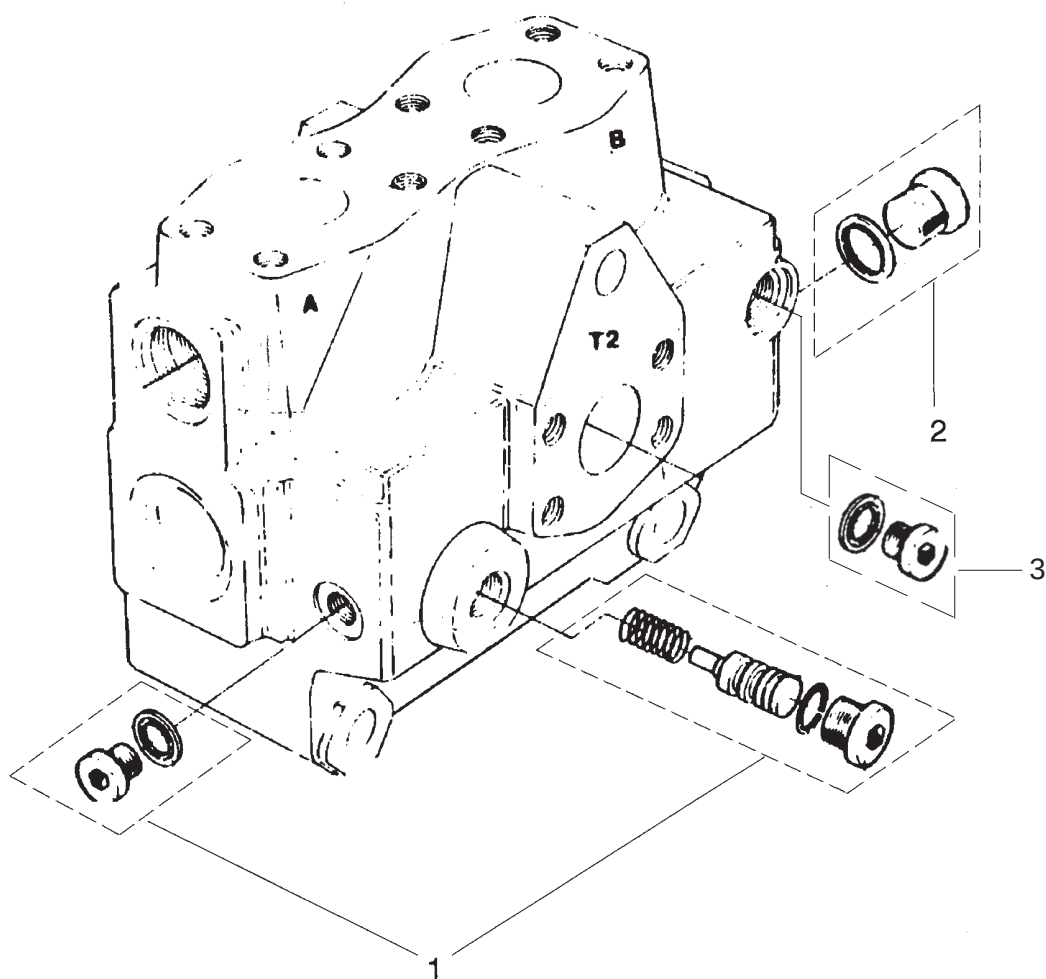
		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 21
Item.	Description	Order no.	Qty	S	Notes			
1	Valve compl. see page 23-33	K0808073H	1		VOAC HV08-2119			
2	Block Bloco	804106553	1		VOAC HV08-00175A			
3	Block Bloco	804106800	1		VOAC HV08-00306			
4	Block Bloco	804106801	1		VOAC HV08-00307			

Page Página 22	Module Módulo KV03-0119	Date Data 93-01-12	Description Descrição Valve, compl.	☐	
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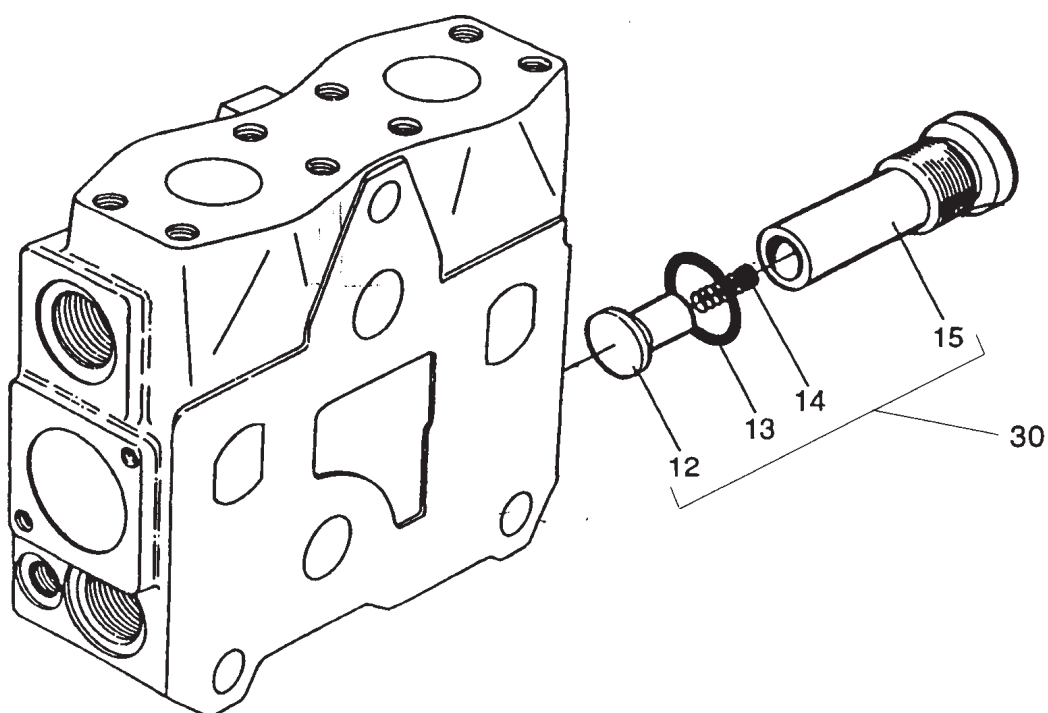
			☐			Date Data	Module Módulo	Page Página
Description Descrição			Valve, compl.			93-01-12	KV03-0119	23
Item.	Description		Order no.	Qty	S	Notes		
1	Valve	Valvula	804705425	1		Monsu	91200892-01	
2	Valve	Valvula	804705446	1		Monsu	91200892-36	
3	Valve	Valvula	804705433	1		Monsu	91200892-02	
4	Plug	Ficha	804705442	1		Monsu	91200892-23	
5	Valve	Valvula	804705441	1		Monsu	91215810-24 (ei sis.pos.24)	
6	Plug	Ficha	804705422	1		Monsu	91215810-30	
24	Spring	Mola	804106803	1		Parker	91282344	
*	Gasket set	Jogo juntas	804106881	1		VOAC	91256287 1kpl 91256286 1kpl 91266014 2kpl 91256045 5kpl 91256243 2kpl 91256185 1kpl 91256047 1kpl 91256990 1kpl 06632125 1kpl 91256707 1kpl 91256088 1kpl 06611521 1kpl 91256188 1kpl 91256320 1kpl	

Page Página	Module Módulo	Date Data	Description Descrição	☐	
24	KV03-0119	93-01-12	Valve		

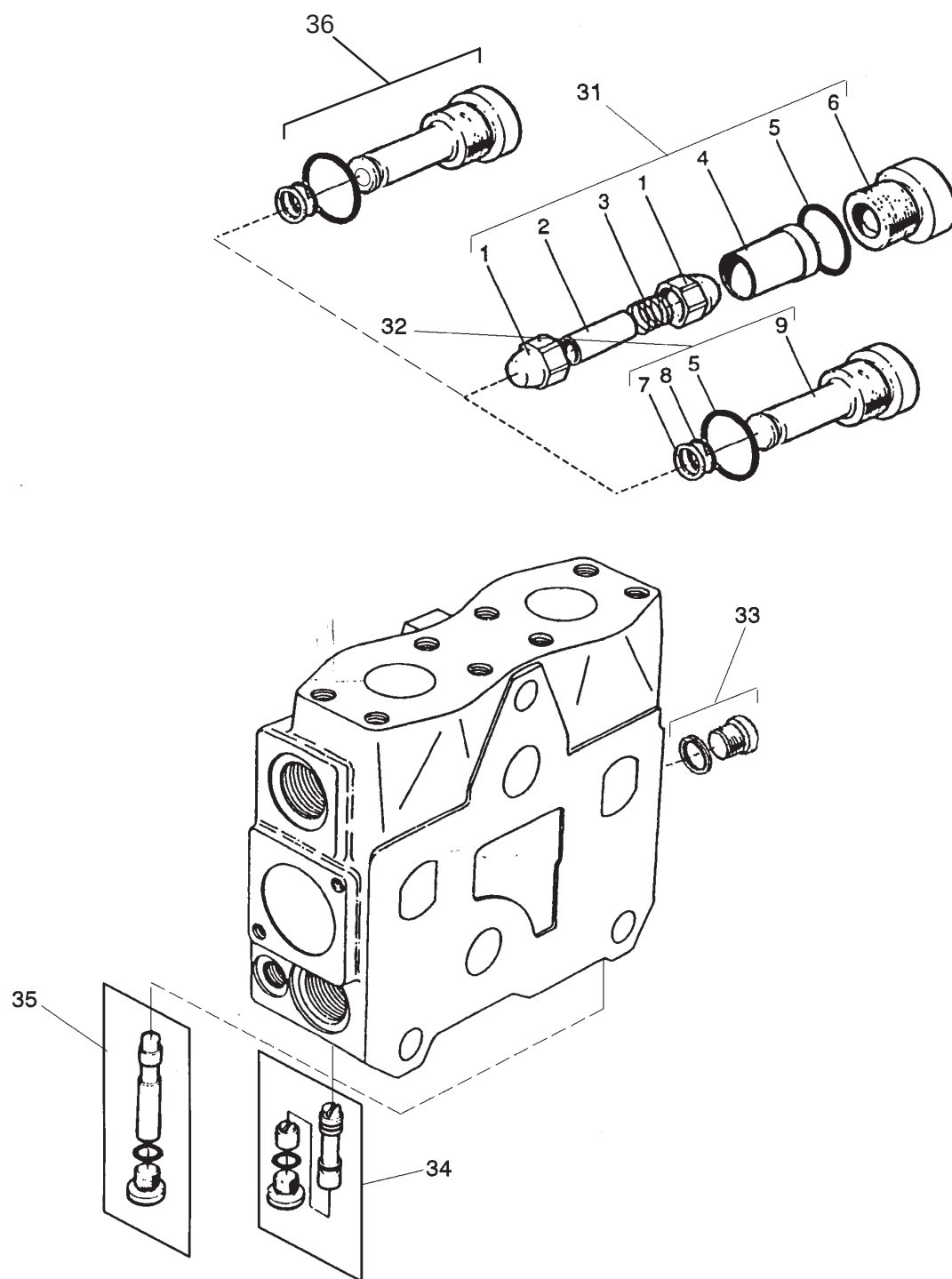


		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 25
Item.	Description		Order no.	Qty	S	Notes		
1	Plug	Ficha	804705490	3		VOAC	91215810-21	
2	Plug	Ficha	804705422	1		VOAC	91215810-30	
3	Plug	Ficha	804106802	1		Parker	91200892-25	

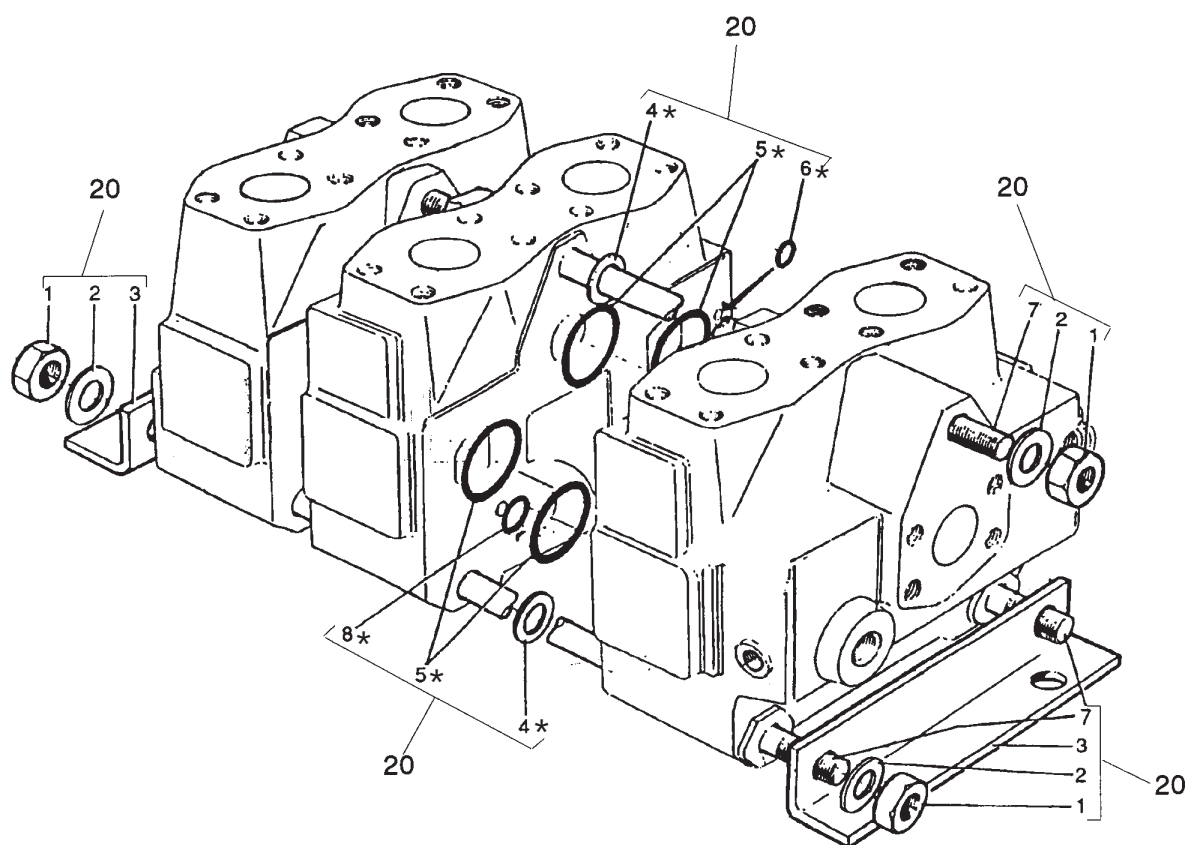
Page Página	Module Módulo	Date Data	Description Descrição	☐	
26	KV03-0119	93-01-12	One way valve		



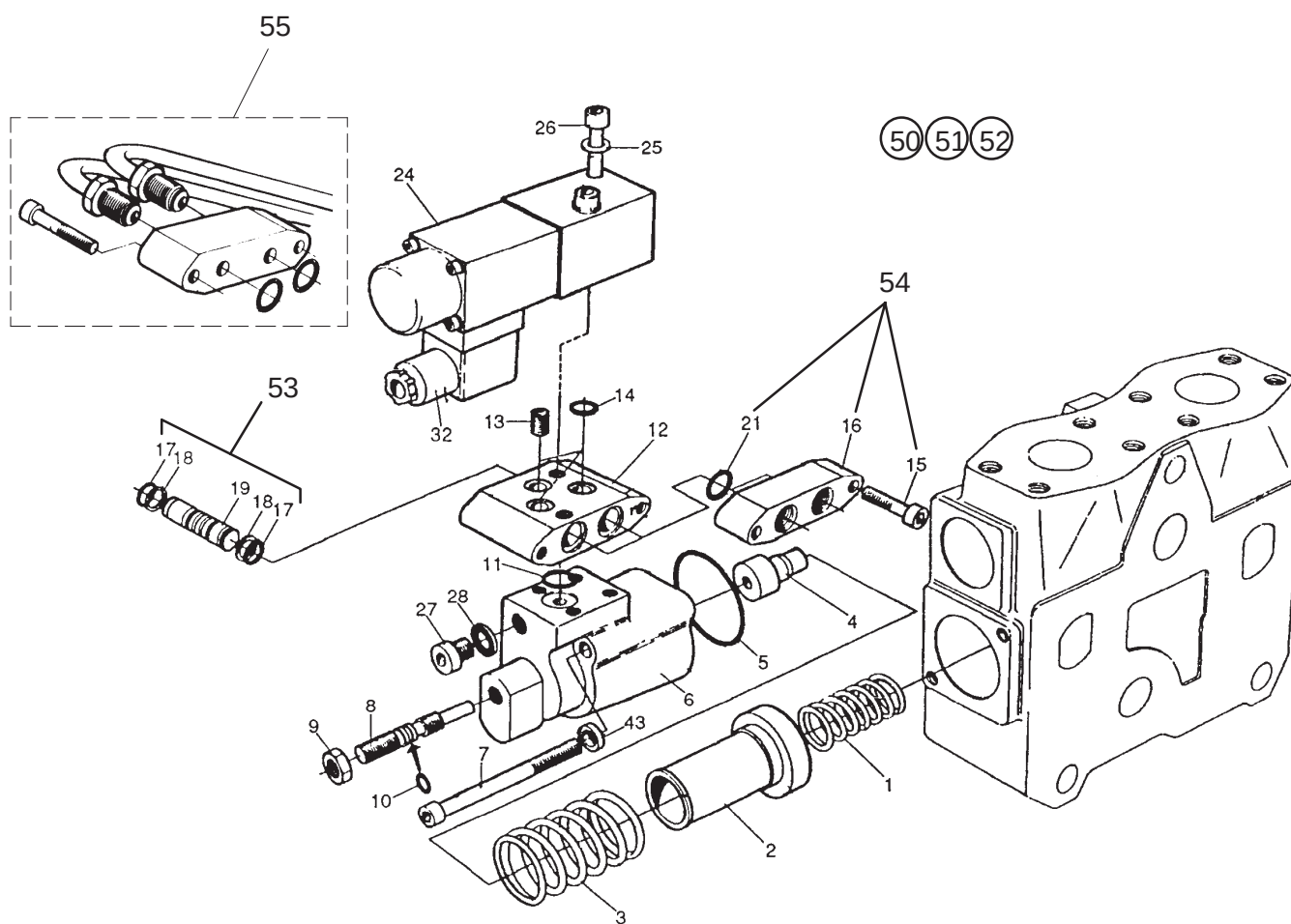
		Description Descrição One way valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 27
Item.	Description		Order no.	Qty	S	Notes		
30	Valve compl.	Válvula compl.	804705450	2		VOAC	91200892-19	



		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 29
Item.	Description		Order no.	Qty	S	Notes		
31	Valve compl.	Válvula compl.	804705452	1		VOAC	91215810-42	
32	Plug	Ficha	804705732	3		VOAC	91215810-41	
33	Plug	Ficha	804705442	1		VOAC	91200892-23	
34	Spindle	Veio	806815643	3		VOAC	91200892-34	
35	Plug	Ficha	806815642	1		VOAC	91200892-33	
36	Plug	Ficha	804106830	1		VOAC	38997-02	
*	Gasket set	Jogo juntas	804106883	1		VOAC	91256889 4kpl 06611500-23 2kpl 91256215 2kpl 91256185 6kpl	



		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 31
Item.	Description		Order no.	Qty	S	Notes		
20	Mounting set	Conjunto suporte	804705781	1	100	Monsu	91200892-07	
*	Gasket set	Jogo juntas	804106804	1		Parker	91200892-12	



		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV03-0119	Page Página 33
Item.	Description	Order no.	Qty	S	Notes			
*50	Valve compl. Válvula compl.	804106805	4		Parker 82349302-50 PVE101-N-241			
**51	Spring set Jogo de molas	804705458	1		VOAC 91200892-58			
◆52	Cylinder Cilindro	804705461	1		VOAC 91200892-59			
53	Spindle Veio	804705472	2		VOAC 91200892-60			
54	Fitting União	804705466	1		VOAC 91200791-32			
55	Intermediate piece Peça intermedia	804106806	1		Parker 91200892-61			
◆◆	Gasket set Jogo juntas	804106884	1		VOAC 06632100-03 4kpl 91256045 4kpl 91256049 4kpl 91256003 12kpl 06636114 8kpl 91283315 8kpl 91256009 8kpl 91256286 4kpl			

*)incl. parts 24-26,32

**)incl. parts 1-4

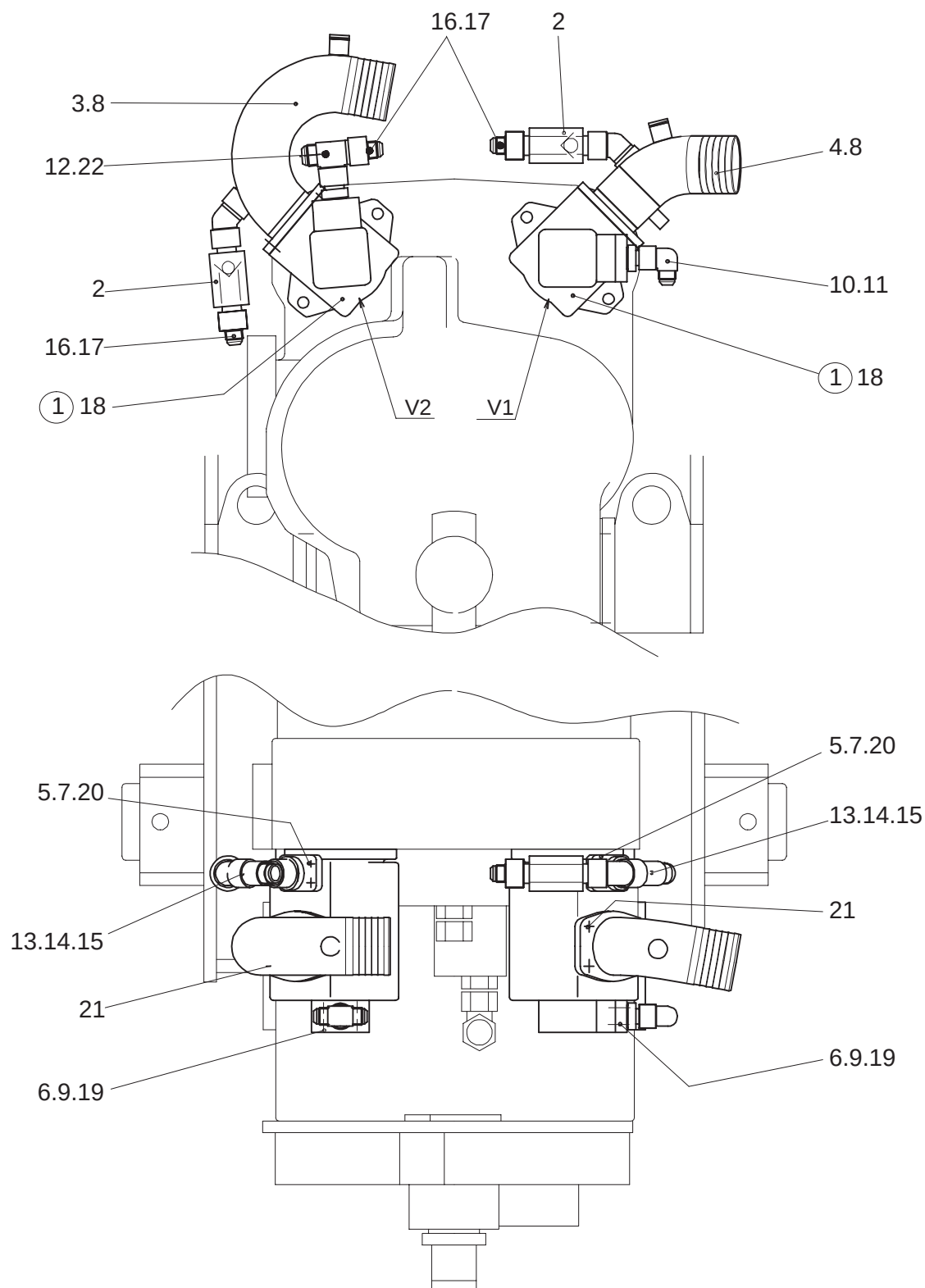
◆)incl. parts 5-12,14,27,28,43

KV03-0105

Hydr. pump

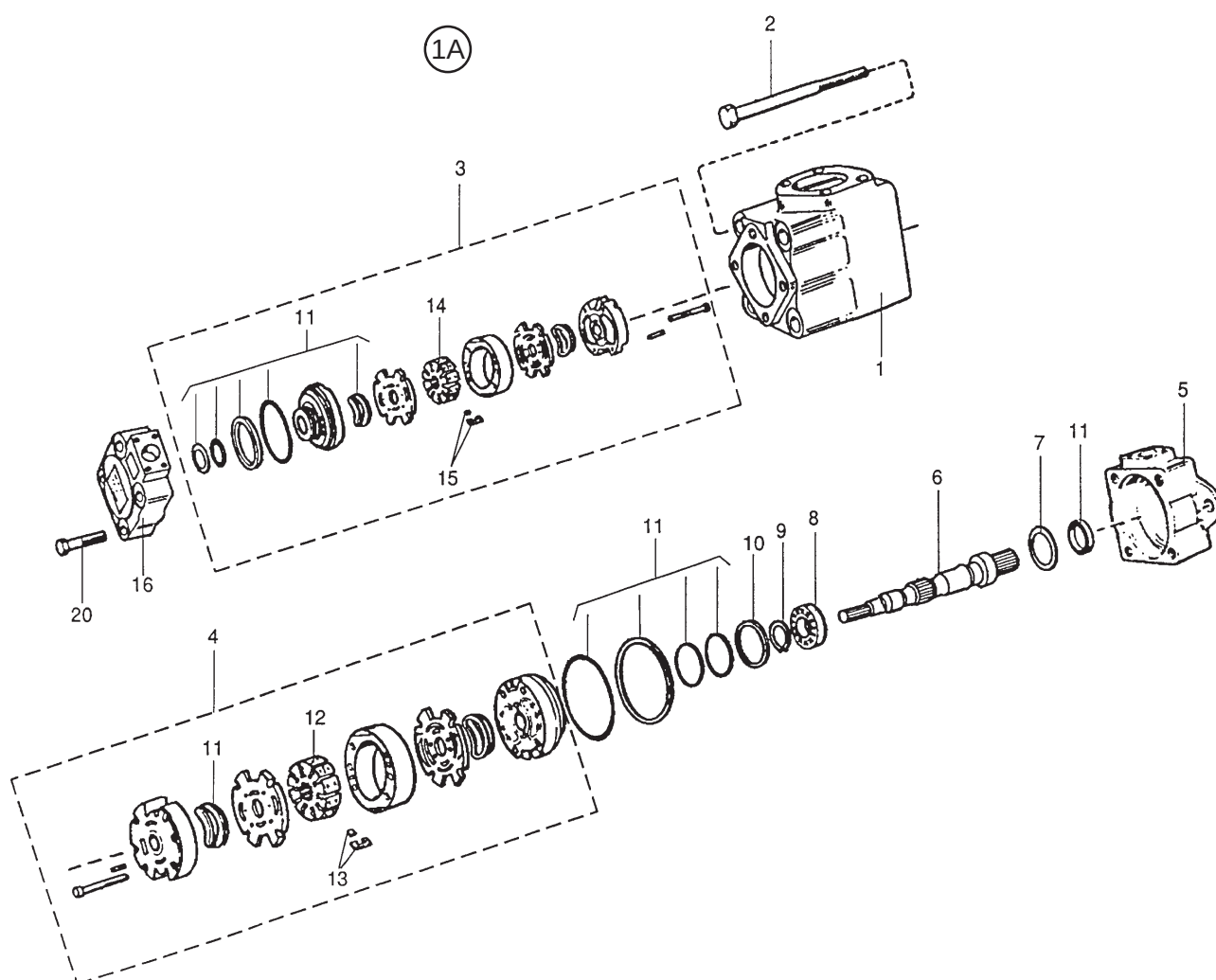
Bomba hidráulica

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV03-0105	93-01-12	Hydr. pumps	



		Description Descrição Hydr. pumps			☐	Date Data 93-01-12	Module Módulo KV03-0105	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Pump see page 5	Bomba	K0301122H	2		Vicke	3525VQ38A21-11C	
2	Valve	Valvula	638381605	2		Parke	VCL-16F-05-A-A	
3	Tube	Tubo	K5671030	1				
4	Tube	Tubo	K5671020	1				
5	Flange	União	T5156380	2				
6	Fitting	União	N5371540	2				
7	O-ring	O'ring	61440392	2		SMS1586	39,2x3	
8	O-ring	O'ring	61440845	2		SMS1586	84.5X3	
9	Gasket	Junta	61450343	2			VLS62302 U34.3X43X2	
10	Fitting	União	643445202	1			VLS620.21 20JIC/R3/4	
11	Fitting	União	64345720	1			VLS620.33 20JIC/1 1/16	
12	Fitting	União	64345925	1			VLS620.35 25JIC/1 5/16	
13	Fitting	União	64255925	2			VLS620.22 25JIC/R1	
14	Fitting	União	643485122	2		Parke	16R6XS	
15	Fitting	União	64348916	2		Parke	16V6XS1.5/15-12	
16	Nut	Porca	64163926	3			VLS62050 25JIC	
17	Fitting	União	643461259	3			VLS620.37 25JIC	
18	Screw	Parafuso	58135625	4		SMS1960	UNC5/8X38	
19	Screw	Parafuso	58135502	8		SMS1960	UNC3/8X25	
20	Screw	Parafuso	53065081	8		BS1768	UNC7/16X32A2C	
21	Screw	Parafuso	53065301	8		SMS1943	UNC5/8X32	
22	Fitting	União	643445251	1			VLS620.21 25JIC/R3/4	

Page Página	Module Módulo	Date Data	Description Descrição	☐	Kalmar
4	KV03-0105	93-01-12	Pump		



			☐		Date Data	Module Módulo	Page Página
Description Descrição Pump					93-01-12	KV03-0105	5
Item.	Description		Order no.	Qty	S	Notes	
1A	Pump	Bomba	K0301122H	1		Vicke	3525VQ38A21-11CC20
1	Housing	Caixa	804705760	1		Vicke	230189
2	Bolt	Perno	804705761	4		Vicke	42955
3	Repair kit	Jogo de reparação	804705762	1	75	Vicke	421238
4	Repair kit	Jogo de reparação	808601635	1	75	Vicke	413419
5	Housing	Caixa	804104851	1		Vicke	942355
6	Shaft	Eixo	804705763	1	200	Vicke	243449
7	Washer	Anilha	804301162	1		Vicke	193220
8	Bearing	Rolamento	804104850	1		Vicke	38441
9	Circlip	Freio	804102213	1		Vicke	119982
10	Circlip	Freio	804102212	1		Vicke	193144
11	Gasket set	Jogo juntas	804705764	1	75	Vicke	920056
12	Rotor	Rotor	804102705	1		Vicke	262154
13	Vane kit	Jogo de palhetas	804102205	1		Vicke	922700
14	Rotor	Rotor	804102599	1		Vicke	270597
15	Vane kit	Jogo de palhetas	804103763	1		Vicke	922701
16	Cover	Tampa	804705765	1		Vicke	231532
20	Screw	Parafuso	804705766	4		Vicke	11163

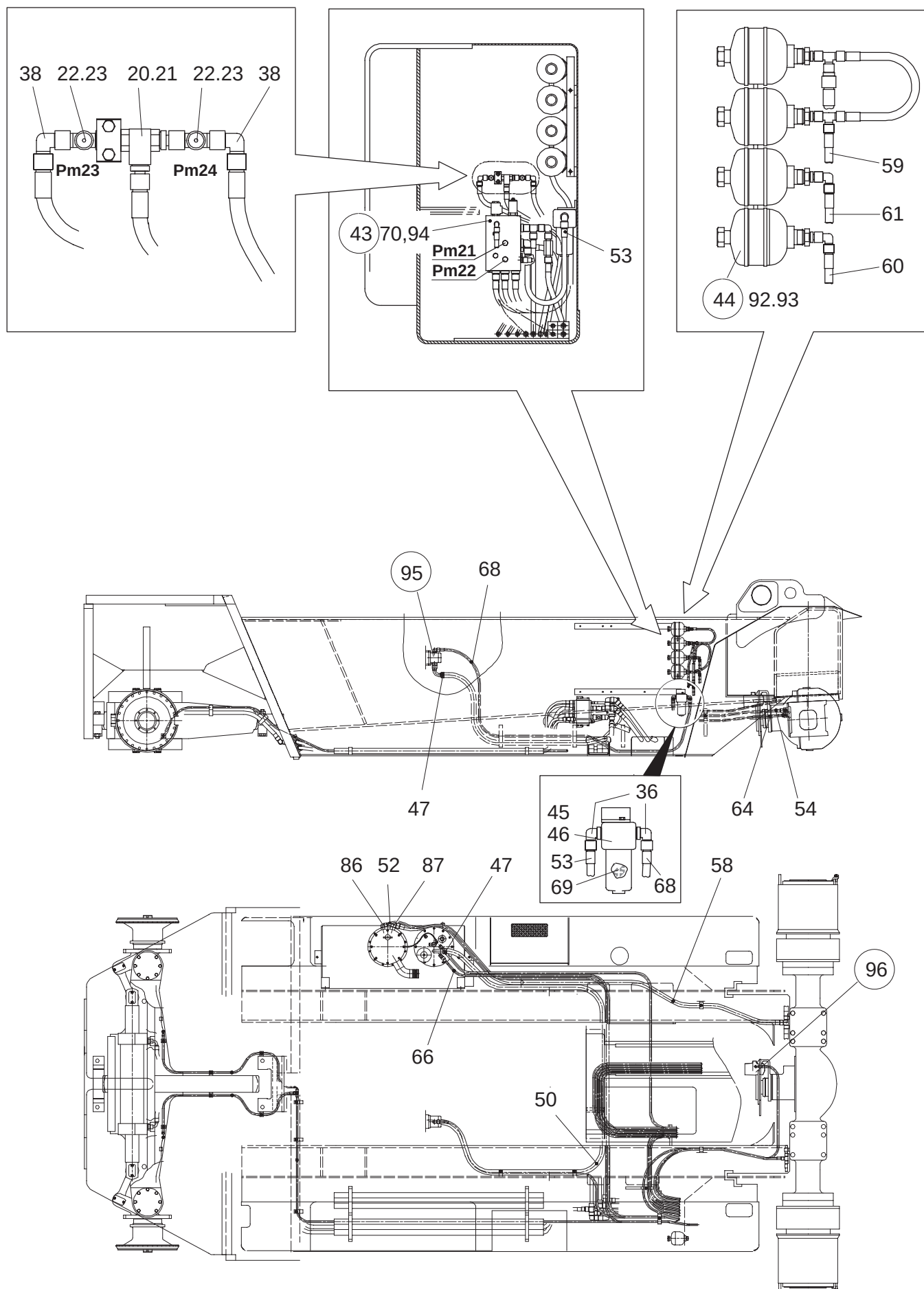
	Revision VOK34/99-05-06	☐ Date 98-09-09	Module KV03-0116	Page 1/7
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KV03-0116

Brake equipment

Equipamento de travão

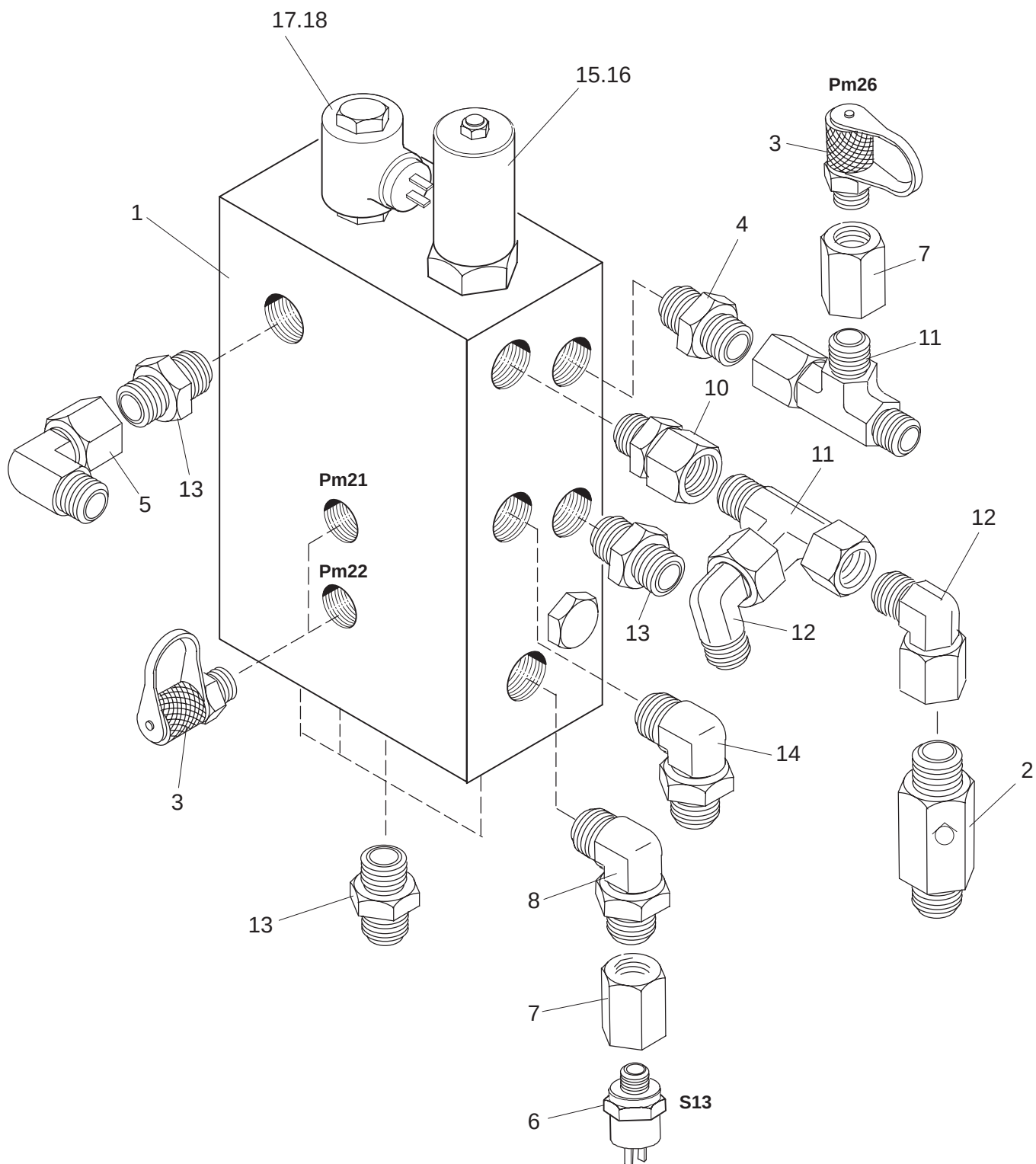
Page Página	Module Módulo	Date Data	Description Descrição	
2	KV03-0116	99-06-28	Brake Equipment	



		Description Descrição Brake Equipment			☐	Date Data 99-06-28	Module Módulo KV03-0116	Page Página 3
Item.	Description	Order no.	Qty	S	Notes			
20	Valve Valvula	63880224	1		Park	HFDK 221A2S R1/4		
21	Fitting União	643445101	3	200		VLS620.21 10JIC/R1/4		
22	Measuring connector Ligação para manómetros	64332191	2		EMA	3/R1/1-ED/A3C		
23	Measuring connector Ligação para manómetros	64348521	2		Park	6TT4MXS		
36	Fitting União	643449161	2	200		VLS620.25 16JIC/R1/2		
38	Fitting União	64345710	2	200		VLS620.33 10JIC/9/16-18		
43	Valves see page 5		1		K5677630			
44	Press. accumulator Acumulador de pressão		1		K5677640			
45	O-ring O'ring	61440532	1		SIMME	OR53,64X2,62		
46	Filter Filtro	T1001030H	1		Park	14P-1-10B-XX1		
47	Clip Grampo	60282743	4	200	Norma	S-43/20		
50	Hose Tubo	68512532	x	100	HEL	032		
52	Hose Tubo	VL5402954	1	100				
53	Hose Tubo	VL5402909	1	100				
54	Hose Tubo	VL5402926	1	100				
58	Hose Tubo	VL5405546	1	100				
59	Hose Tubo	VL5400018	1	100				
60	Hose Tubo	VL5400015	1	100				
61	Hose Tubo	VL5400015	1	100				
64	Hose Tubo	VL5400028	1	100				
66	Hose Tubo	VL5400052	1	100				
68	Hose Tubo	VL5402936	1	100				
69	Filter element Elemento de filtro	T1009047H	1		Parke	14P-1-10B G01369		
86	Fitting União	64345716	1			VLS620.33 16JIC/7/8-14		
87	Fitting União	64345725	1			VLS620.33 25JIC/1 5/16		
92	Screw Parafuso	53060181	2		ISO4017	M10X30		
93	Nut Porca	51010100	2		DIN985	M10		
94	Washer Anilha	50012100	2		DIN125	10.5		
♦95	Pump Bomba							
**96	Brake Travão							

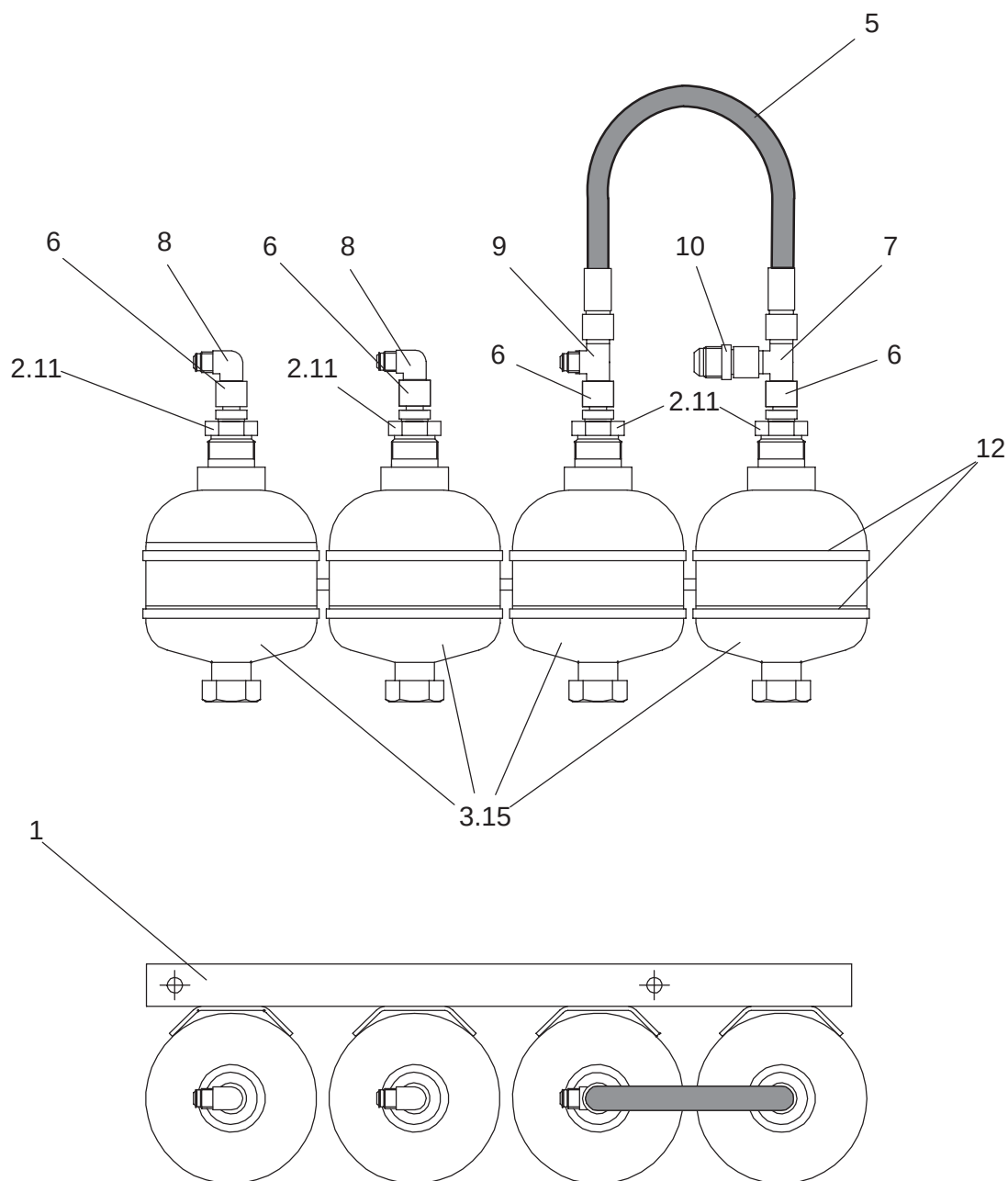
♦) See module: Hydr. brake pump

**) See module: Drive shaft x) Order as required (min. delivery length 1 m).
x)



		Description Descrição Valves			Date Data 99-05-06	Module Módulo KV03-0116	Page Página 5
Item.	Description	Order no.	Qty	S	Notes		
1	Valve	Valvula	K0808100H	1	Parke	V-F1-10282	
2	Valve	Valvula	K0809080H	1	Parke	VCL-10F-65-A-A,5	
3	Measuring connector		64332191	3		AR1/4/M16X2/WD	
	Ligação para manómetros						
4	Restrictor	Restritor	T5643322	1		16JIC/R1/2" A=2.0	
5	Fitting	União	64345710	1		VLS62033 10JIC/9/16-8	
6	Switch	Interruptor	65238768	1		169-42003-1 90.0BAR	
7	Measuring connector		64348521	2	Parke	TT4XS10-1/4	
	Ligação para manómetros						
8	Fitting	União	643445101	1		VLS620.21 10JIC/R1/4	
9	Fitting	União	643445162	1		VLS620.21 16JIC/R1/2	
10	Fitting	União	642559161	1		VLS620.22 16JIC/R1/2	
11	Fitting	União	643485102	2	Parke	LS 10R6XS	
12	Fitting	União	64345716	2		VLS620.33 16JIC/7/8-14	
13	Fitting	União	643445103	6		VLS620.21 10JIC/R1/2	
14	Fitting	União	643449161	1		VLS620.25 16JIC/R1/2	
15	Valve	Valvula	802705414	1	Parke	M1B125	
16	Gasket set	Jogo juntas	802705415	1	Parke	SK30096N-1	
17	Solenoid	Bobina	802705416	1	Parke	851020-024VDC	
18	Gasket set	Jogo juntas	802705417	1	Parke	SK10-3	

Page Página	Module Módulo	Date Data	Description Descrição		
6	KV03-0116	98-03-27	Pressure Accumulators		



		Description Descrição Pressure Accumulators			☐	Date Data 98-03-27	Module Módulo KV03-0116	Page Página 7
Item.	Description		Order no.	Qty	S	Notes		
1	Fastener	Ligador	K5211880	1		F100367942, o.75L		
2	Union/reducer	União/	K5044750	4				
3	Press. accumulator	Acumulador de pressão	T1611014H	4	50			
5	Hose	Tubo	VL5400005	1	200	VLS620.22 10JIC/R1/4 VLS620.35 10JIC/9/16-18 VLS620.33 10JIC VLS620.31 10JIC VLS620.38 16/10JIC VLS623.02 U21.5x28.7x2.5 110-136(104-38ABA) BOSCH 0.538.103.012		
6	Fitting	União	642559101	4	200			
7	Union/T	União/T	64345910	1	200			
8	Fitting	União	64345310	2	200			
9	Union/T	União/T	64306906	1	200			
10	Union/reducer	União/	643065062	1				
11	Gasket	Junta	61450215	4	200			
12	Clip	Grampo	60275794	8	100			
15	Charging device	Dispositivo de enchimento	806108230	1				

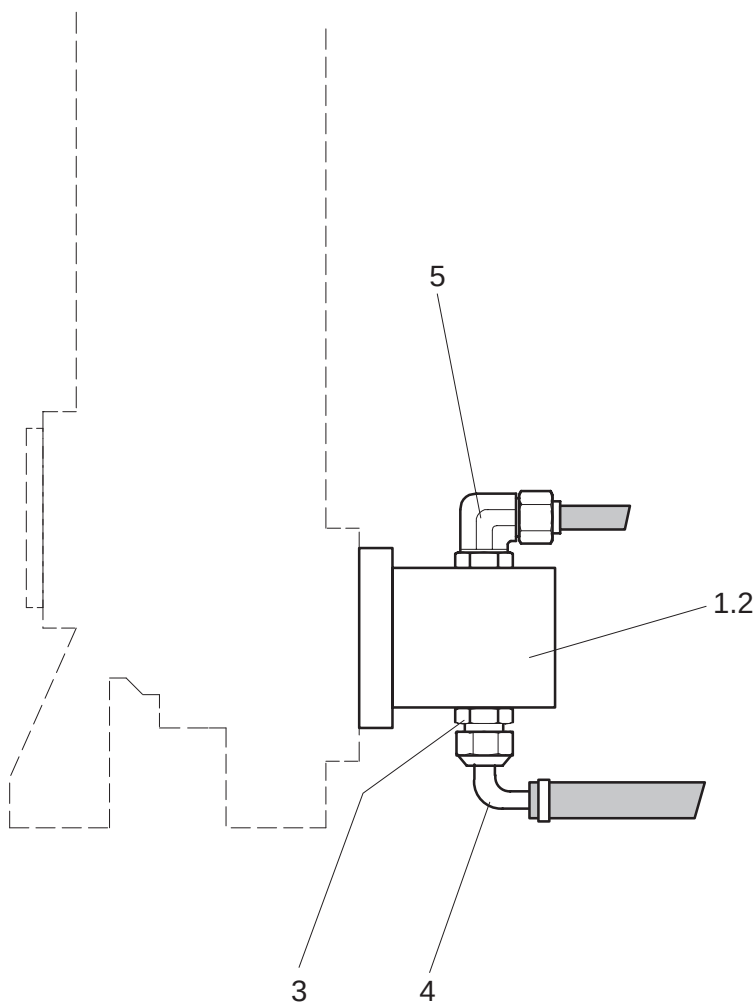
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV03-0107	Page Página 1/3
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KV03-0107

Hydr.brake pump

Bomba do freio hidráulico

Page Página	Module Módulo	Date Data	Description Descrição		
2	KV03-0107	98-02-02	Hydr. pump for brakes		



		Description Descrição Hydr. pump for brakes			☐	Date Data 98-02-02	Module Módulo KV03-0107	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Pump	Bomba	K0301139H	1		David	2SPG16S SAEA-14G	
2	Gasket set	Jogo juntas	804106557	1		David	012002900000000	
3	Fitting	União	643445251	1		VLS620.2125/JIC/R3/4		
4	Fitting	União	64313300	1		HI-FLE 90 08-570540-16-20		
5	Fitting	União	643449161	1		VLS620.2516JIC/R1/2		

04

ELECTRIC SYSTEM

KV04–0129

Electric Equipment for Frame

Equipamento elétrico da estrutura

KV04–0101

Electric Equipment for power unit

Equipamento elétrico da unidade de potência

KV04–0120

Overload Protection

Proteção contra sobrecarga

KV04–0107

Buzzer

Buzina

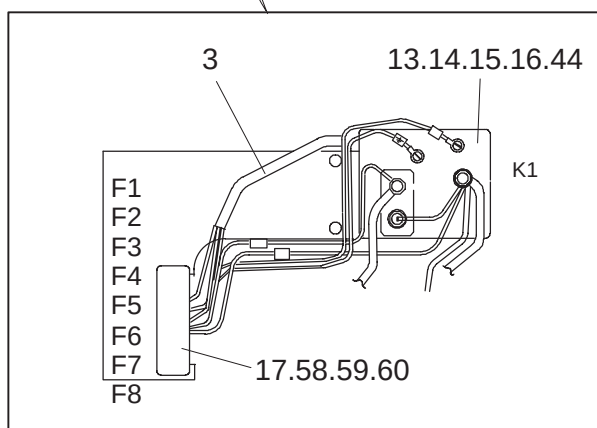
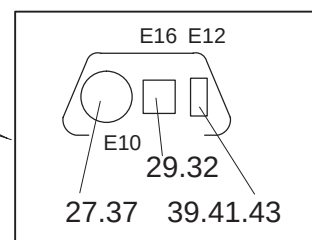
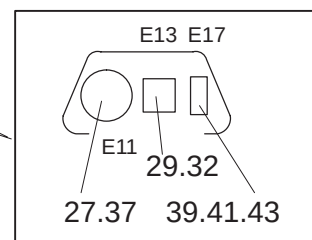
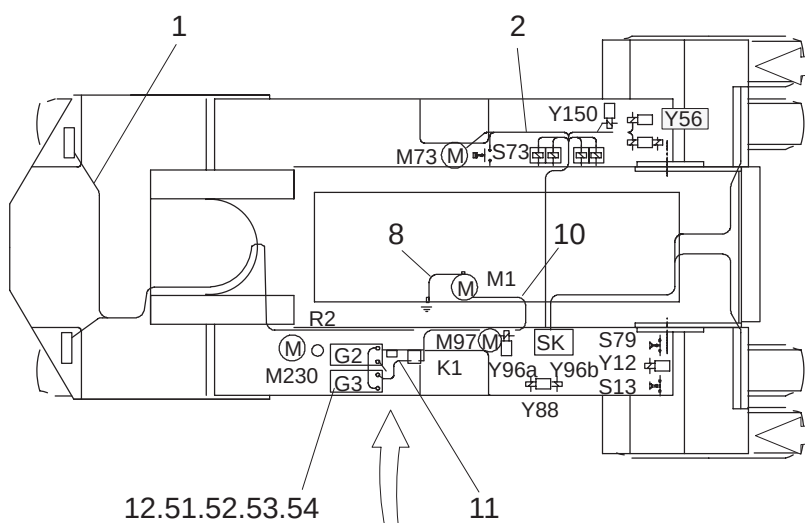
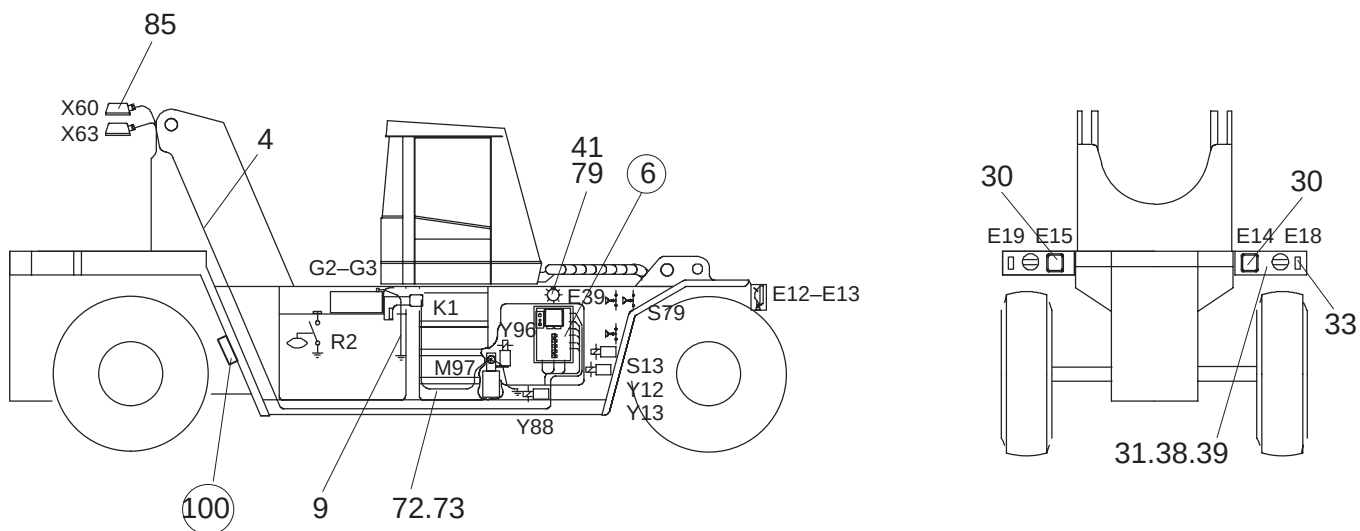
	Revision Revisão	☐ Date Data 00-09-12	Module Módulo KV04-0129	Page Página 1/5
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KV04-0129

Electric Equipment for Frame

Equipamento elétrico da estrutura

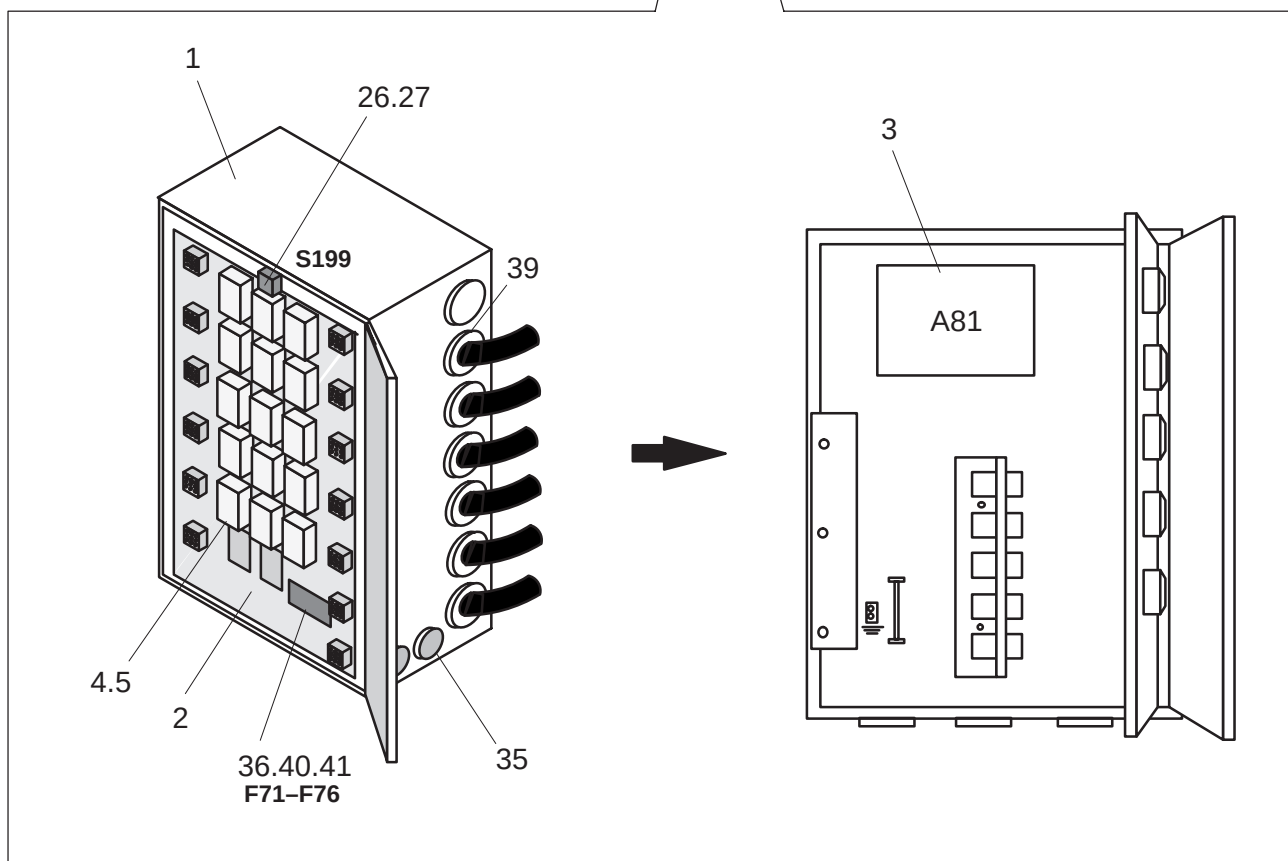
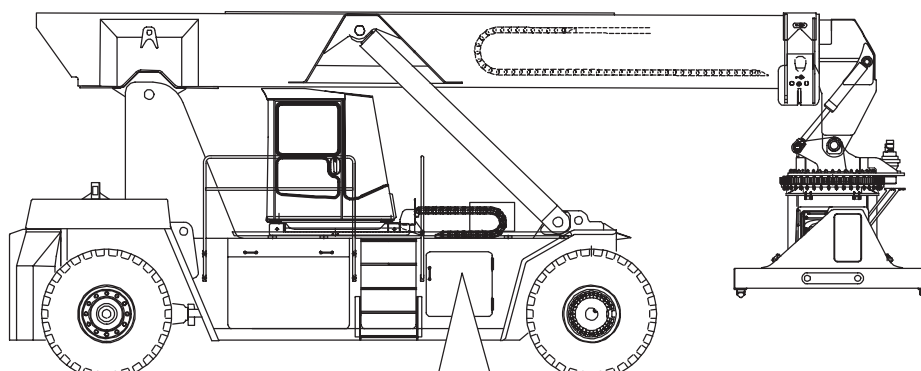
Page Página	Module Módulo	Date Data	Description Descrição	
2	KV04-0129	00-09-12	El. equipm. to frame	



			Description Descrição El. equipm. to frame		☐	Date Data 00-09-12	Module Módulo KV04-0129	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Wiring set	Conjunto instalação elect.	K5204890	1				
2	Wiring to hydr.	Cablagem para a hidráulica	T5654850	1				
3	Wiring set	Conjunto instalação elect.	T5654890	1				
4	Wiring set	Conjunto instalação elect.	T5654870	1				
6	Electric central see page 5	Central electrica						
8	Cable	Cabo	K5162270	2				
9	Cable	Cabo	K5164370	1				
10	Cable	Cabo	K5160410	1				
11	Cable	Cabo	K5164360	1				
12	Battery	Bateria	65269604	2		SALAM	12G 158/X3	
13	Relay	Relé	652381554	1		BOSCH	0 333 301 010	
14	Diode	Díodo	65267080	1			IR 70 HF20	
15	Shield rubber	Protecção de borracha	770005001	5		BOSC	2000558000	
16	Cooling plate	Placa de arrefecimento	K5149370	1				
17	Fuse box	Caixa de fusíveis	65273289	1		MERIT	150203	
27	Light	Luz	65713109	2		BOSCH	0 301 304 100	
29	Light	Luz	65714011	2		HELLA	2BA 003 014-011	
30	Light	Luz	65713319	2		HERRM	NORDIC-902064	
31	Light	Luz	65716119	2		HELLA	2SD 001 685-232	
32	Reflector	Reflector	65765018	2		TALMU	12 6301-210	
33	Reflector	Reflector	65765017	2		TALMU	106-6801-100	
37	Bulb	Luz	65088591	2		PHILI	75/70W 24V P43T 13342	
38	Bulb	Luz	65084521	6		PHILI	21W 24V BA15S 13498	
39	Bulb	Luz	65084505	2		PHILI	5W 24V BA15S 13821	
41	Bulb	Luz	65083505	2		PHILI	4W 24V BA9S 13929	
43	Socket housing	Ligador	65212111	2		AMP	0-0480100-1	
44	Diode	Díodo	65267074	1			6A100 1200V 6A	
51	Cable shoe	Sapata do cabo	65210507	2			TYYPPI 229 P	
52	Cable shoe	Sapata do cabo	65210508	2			TYYPPI 230 N	
58	Fuse	Fusível	65270125	6			SAE J 1284 LATTA 25A	
59	Fuse	Fusível	65270110	1			SAE J 1284 LATTA10A	
60	Fuse	Fusível	65270120	1			SAE J 1284 LATTA20A	
72	Cable	Cabo	K5164380	1				
73	Cable	Cabo	K5164390	1				
79	Light	Luz	65702033	1		HELLA	2JA 001 330-001	
*	Automatic shifter	Mecan. de comutação automática	806108340	1		TSP	ETA1610-21 10A	
*	Automatic shifter	Mecan. de comutação automática	806108338	7		TSP	ETA1610-21 20A	

*Optional
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Page Página	Module Módulo	Date Data	Description Descrição	
4	KV04-0129	00-03-16	Power central	



		Description Descrição Power central			☐	Date Data 00-03-16	Module Módulo KV04-0129	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1	Housing	Caixa	K5166320	1				
2	Circuit card, big	Circuito impresso grande	K5206601	1		PIKO	HCC-RSD V3	
3	Control unit	Unidade de controle	806109452	1		652673689	huom!	
4	Relay	Relé	65238147	2		BOSCH	0.332.204.201 24V	
5	Relay	Relé	652381060	17		IDECI	RH2B-ULC-DC24	
26	Push button	Botão de premir	65233401	1		K&M	Q18LT-GN/WB	
27	Contact part	Parte de contacto	65233412	1		K&M	E10 sulkeutuva	
35	Push button	Botão de premir	652331396	2		K&M	RLT-GN/BK11F+MT-D	
36	Fuse	Fusivel	65270110	2			SAE J 1284 1715610A	
39	Gasket	Junta	652173905	1		THORS	20-26 76	
40	Fuse	Fusivel	65270115	3			SAE J 1284 1715615A	
41	Fuse	Fusivel	65270105	1			SAE J 1284 171565A	

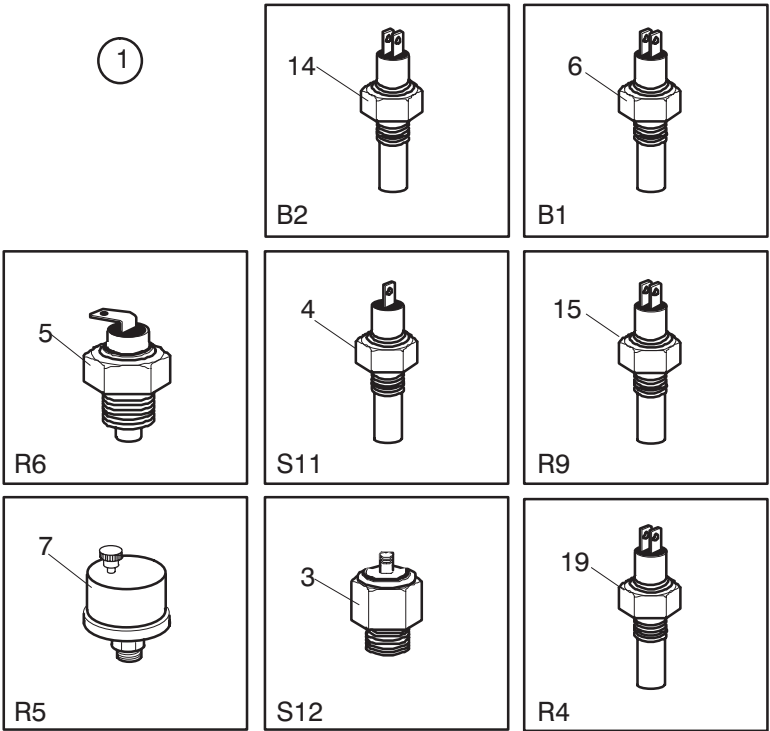
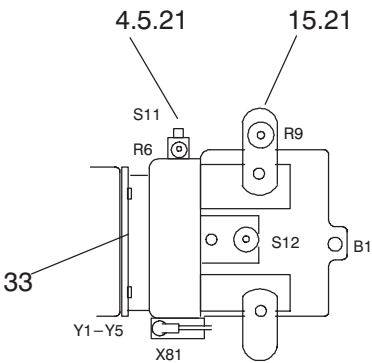
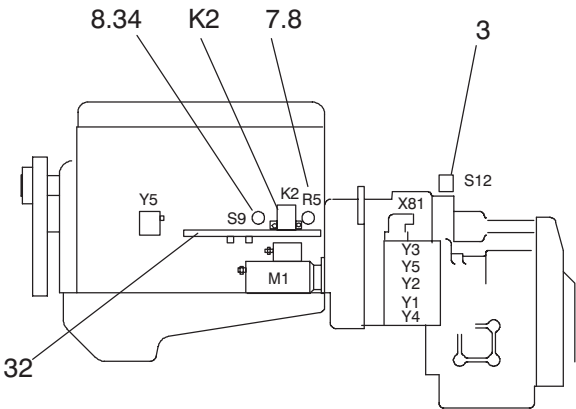
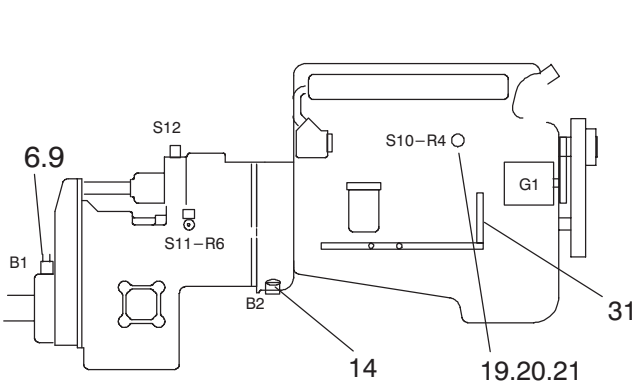
huom! Ohjausyksikkö A81 (MITRON MCC1812) pitää ohjelmoida konekohtaisesti kurottajalinjalla.

	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV04-0101	Page Página 1/3
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KV04-0101

Electric Equipment for power unit

Equipamento elétrico da unidade de potência



			Description Descrição		Date Data	Module Módulo	Page Página
			El. equipm. for power unit		98-01-26	KV04-0101	3
Item.	Description		Order no.	Qty	S	Notes	
1	Wiring set	Conjunto instalação elect.	K5167730	1			
3	Pressure switch	Interruptor de pressão	65238757	1		166-41203-1 15.8BAR	
4	Sensor	Sensor	65494233	1		VDO	232.011/017/032
5	Sensor	Sensor	65494322	1		VDO	323.801/012/002
6	Pulse counter	Contador de impulsos	65494935	1		VDO	340.804/003/005
7	Sensor	Sensor	65494360	1		VDO	360.081/029/010
8	Fitting	União	K5166000	2			
9	Seal ring	Vedante	61440173	1		SMS1586	O17.3x2.4
14	Pulse counter	Contador de impulsos	65494934	1		VDO	340.804-007-001
15	Sensor	Sensor	65494320	1		VDO	323.801/001/006
19	Sensor	Sensor	65494321	1		VDO	323.803/001/006
20	Fitting	União	T3483340	1			
21	Seal ring	Vedante	61588140	3		DIN7603	A14x18
31	Support	Suporte	K5166500	1			
32	Support	Suporte	K5166510	1			
33	Support	Suporte	K5166520	1			
34	Pressure switch	Interruptor de pressão	800037946	1		Cummi	3056344
*K2	Relay	Relé		1			

*)See engine module

*)

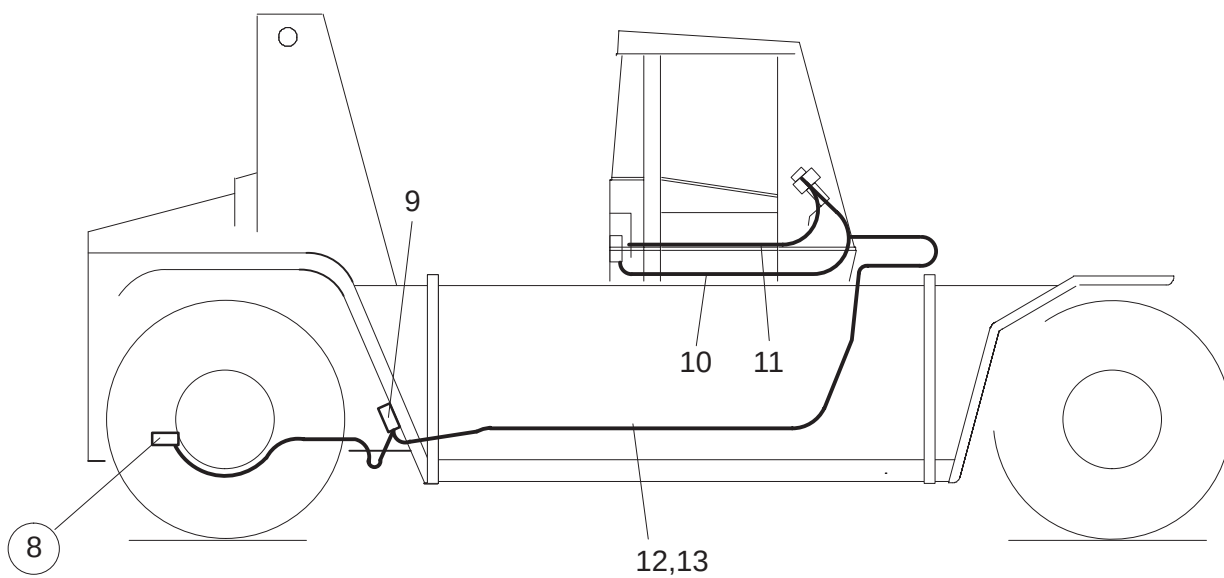
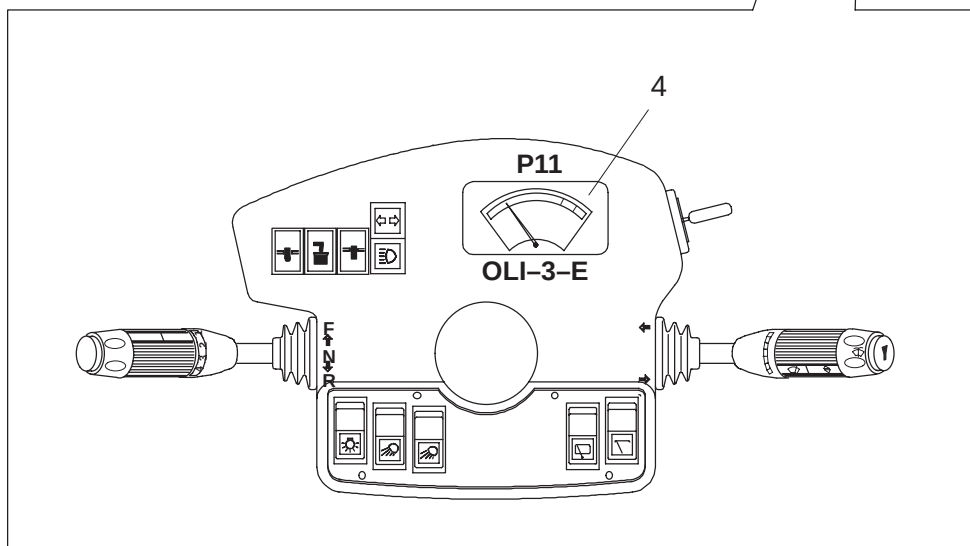
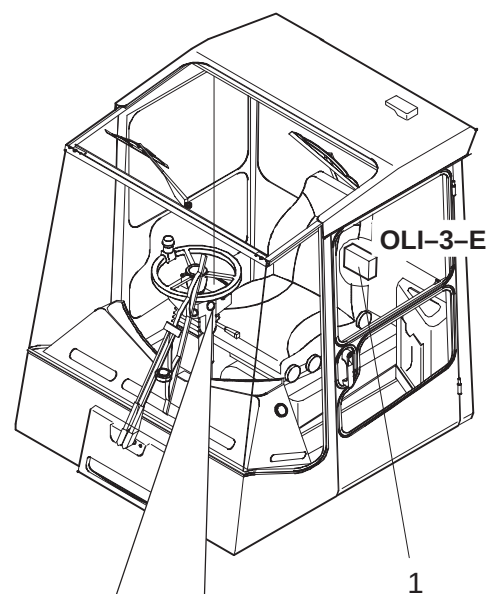
	Revision Revisão VOK021/00	☐ Date Data 00-03-17	Module Módulo KV04-0120	Page Página 1/5
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KV04-0120

Overload Protection

Proteção contra sobrecarga

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV04-0120	00-04-13	Overloadprotection	



		Description Descrição Overloadprotection			☐	Date Data 00-04-13	Module Módulo KV04-0120	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	CPU unit	CPU	652372361	1		TAMTR	OLI-3-E	
2	Switch	Interruptor	65231707	1		SWF	511007 By-pass	
3	Symbol	Simbolo	65232062	1		SWF	596620	
4	Gauge	Indicador	65237237	1		TAMTR	SW-80	
**8	Sensor	Sensor						
9	Switch box	Caixa de comutação	65237238	1		TAMTR	98x64x34 AL	
10	Wiring set	Conjunto instalação elect.	M5505230	1				
11	Wiring set	Conjunto instalação elect.	M5510600	1				
12	Wire	Fio electrico	659991260	x		UNITR	LIYCY/TP 2X2X0,5SKS	
13	Tube	Tubo	65200120	x		POLYF	1200100 TSP	

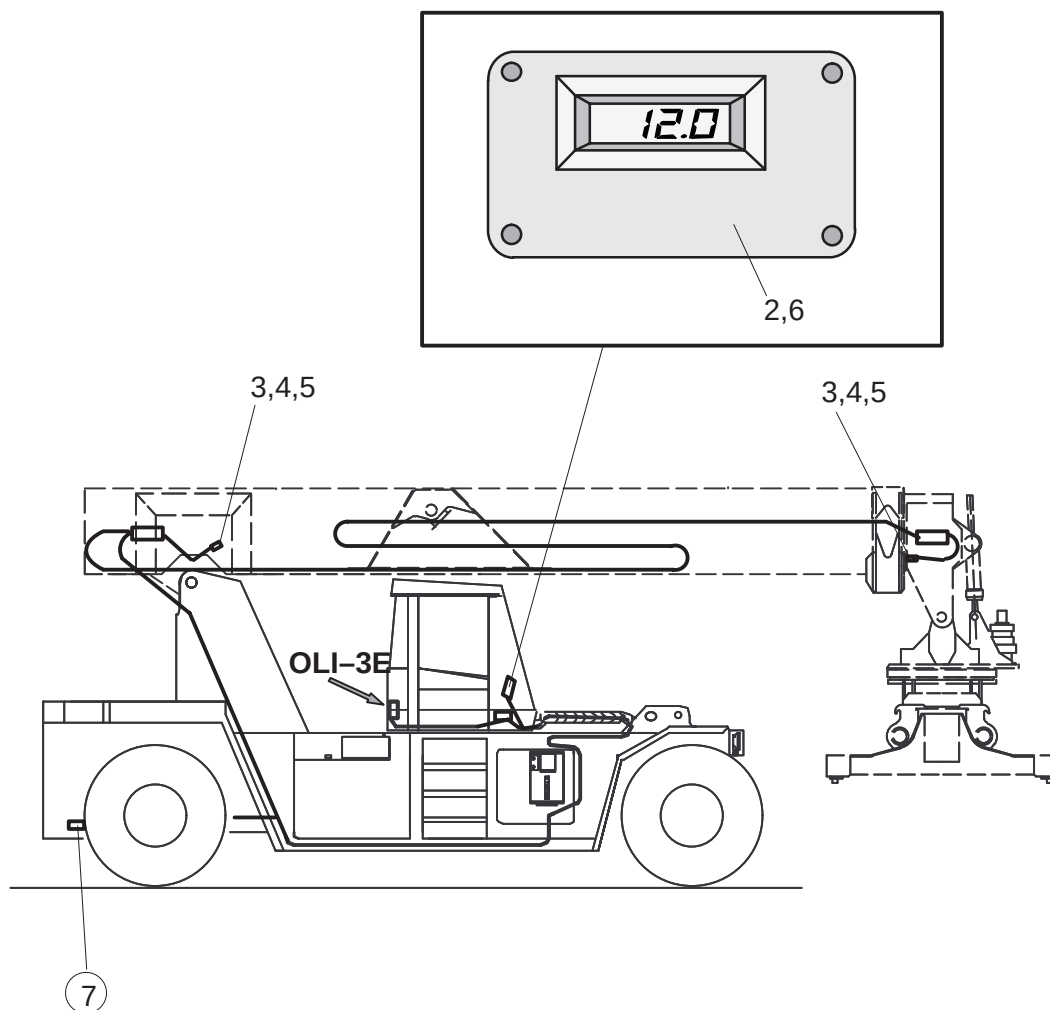
**) See steering axle module

**)

x) Order as required (min. delivery length hoses 1 m, pipes 3 m).

x)

Page Página 4	Module Módulo KV04-0120	Date Data 98-01-26	Description Descrição Display Unit	☐	
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		Description Descrição Display Unit			☐	Date Data 98-01-26	Module Módulo KV04-0120	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
*2	Display unit	Visor	C08000133	1		VK-1:EN/L PIV.7594		
3	Switch	Interruptor	65237156	2		OMRON	3N5359160	
4	Connection	União	65214319	2		AMP	1-0826886-2 3N	
5	Contact part	Parte de contacto	65214320	6		ECON	0-0925601-3	
6	Support	Suporte	T5616140	1				
**7	Sensor	Sensor						

*Optional
)

**) See steering axle module

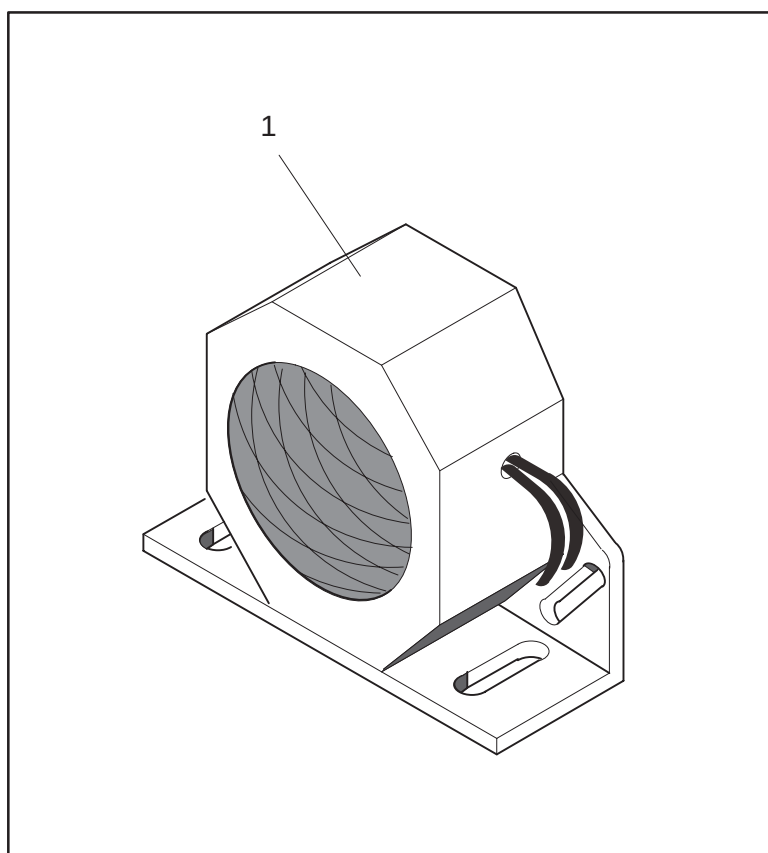
**)

KV04-0107

Buzzer

Buzina

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV04-0107	98-04-03	Buzzer, mount.		



		Description Descrição Buzzer, mount.			☐	Date Data 98-04-03	Module Módulo KV04-0107	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Buzzer	Besouro	65260734	1		Briga	SA-950 DB	

05 CABIN

KV05—0104

Cabin
Cabine

KV05—0105

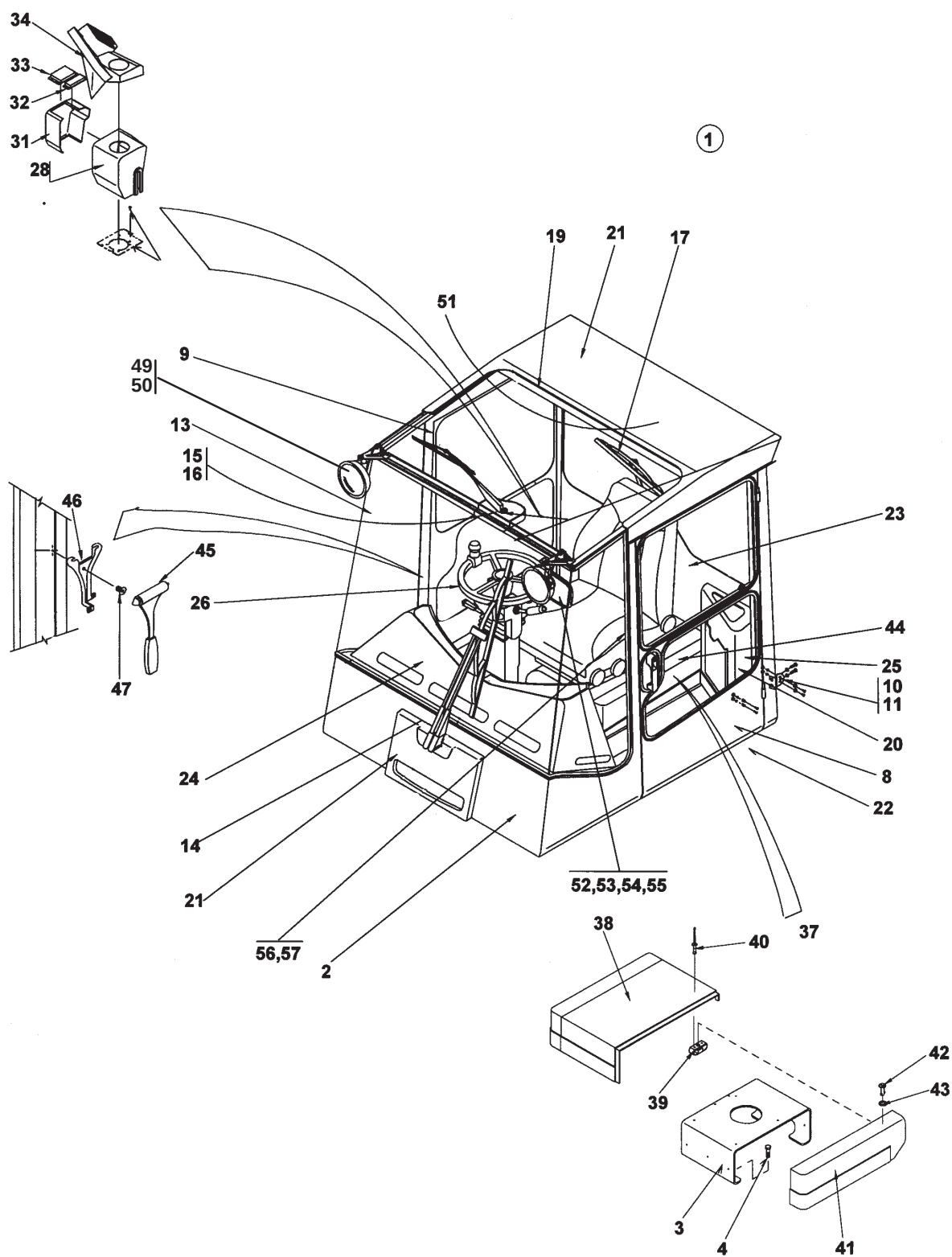
Cab transfer unit
Unidade de transferência da cabine

KV05-0104

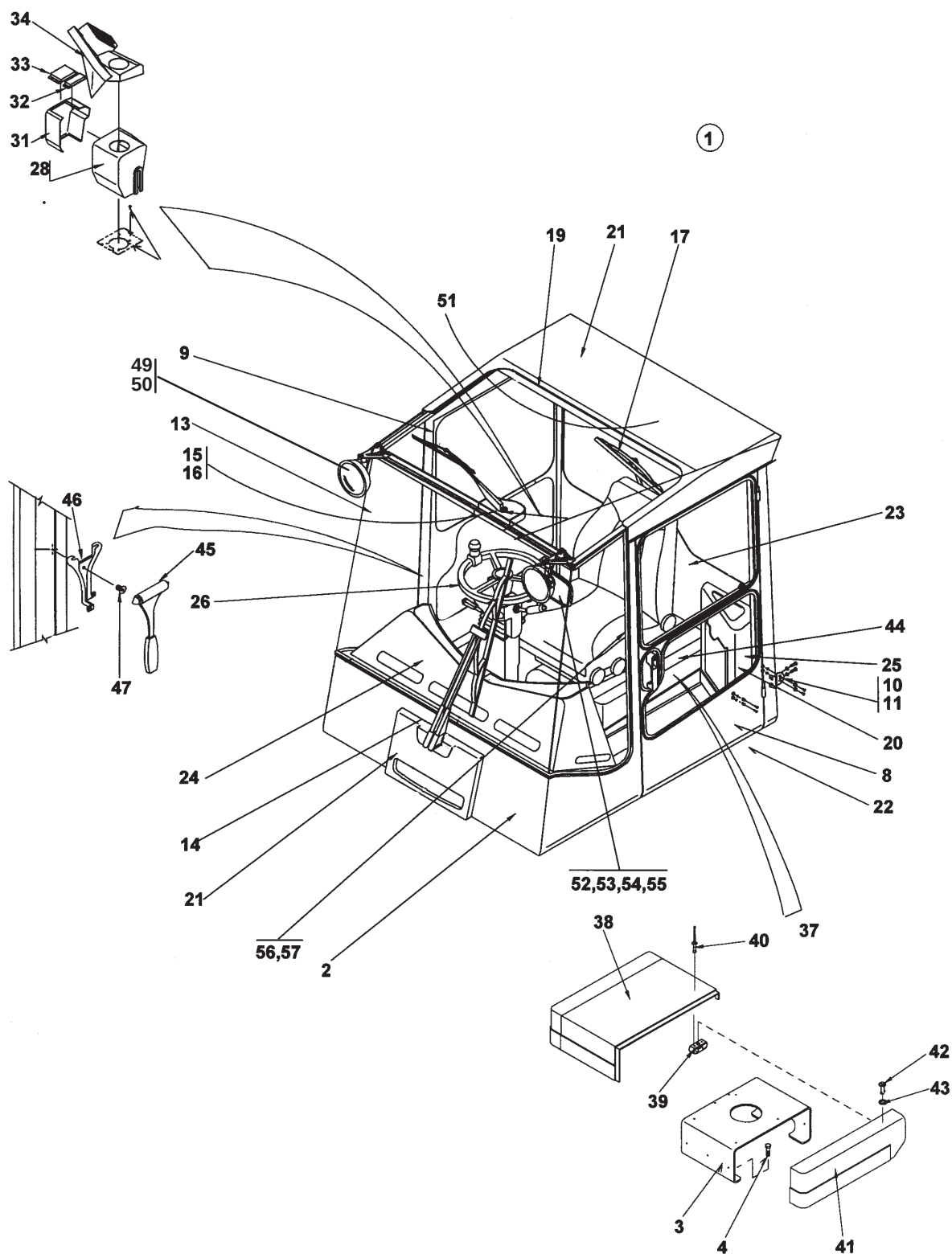
Cabin

Cabine

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV05-0104	00-04-06	Cabin	

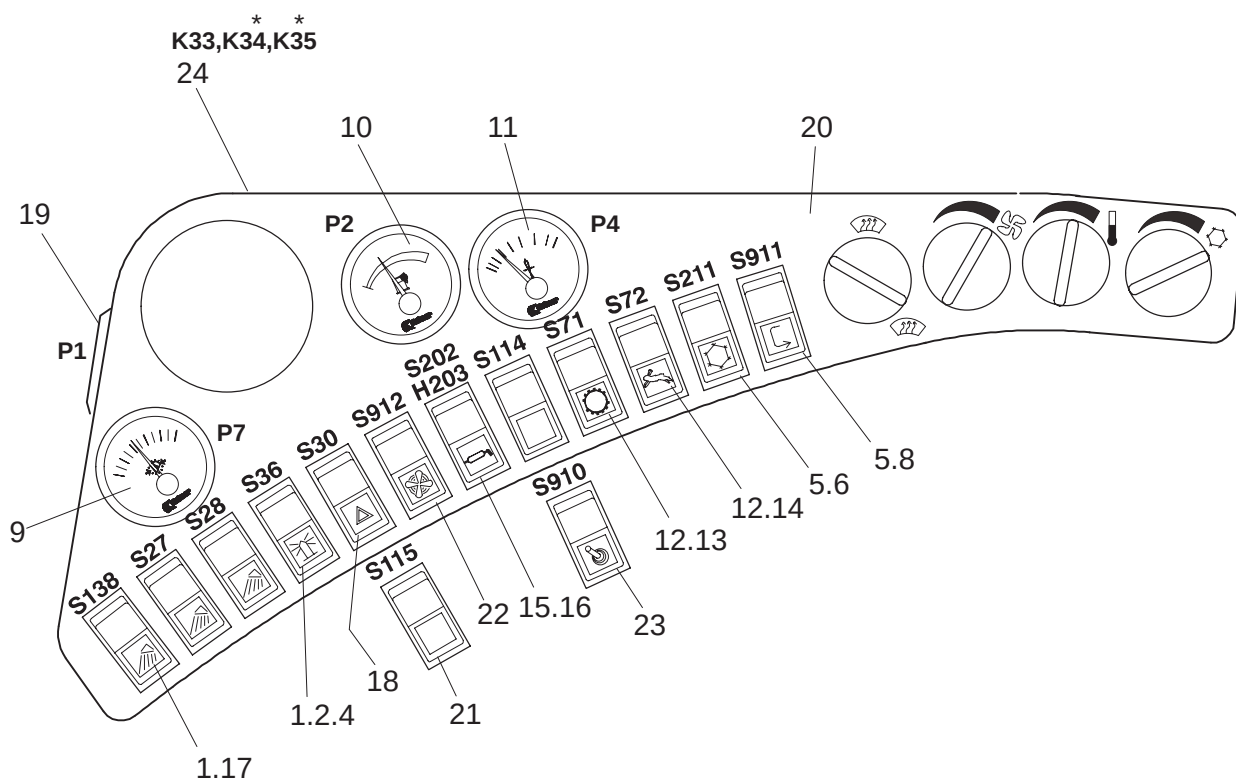
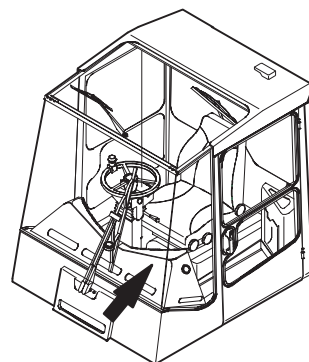


			☐		Date Data	Module Módulo	Page Página
Description Descrição Cabin					00-04-06	KV05-0104	3
Item.	Description	Order no.	Qty	S	Notes		
1	Cab	Cabina	A26600.0100	1			
2	Frame	Estrutura de suporte	A23463.0100	1			
3	Housing	Caixa	A24446.0100	1			
4	Screw	Parafuso	920099.061	4			
8	Door	Porta	A26139.0100	1			
9	Door	Porta	A26139.0200	1			
10	PysäytinStopper	Stop					
11	PysäytinStopper	Stop					
14	Wiper arm see page 37	Braço do limpa-vidros					
15	Wiper arm see page 39	Braço do limpa-vidros					
16	Cover	Tampa	A26153.0100	1			
17	Wiper arm see page 41	Braço do limpa-vidros					
18	Sun panel see page 45	Painel solar					
19	Sun panel see page 47	Painel solar					
20	Insulator see page 67	Isolador					
21	Insulator see page 71	Isolador					
22	Insulator see page 69	Isolador					
23	Insulator see page 65	Isolador					
24	Housing see page 61	Caixa					
25	Housing see page 59	Caixa					
26	Steering column see page 81	Coluna de direcção					
28	Cover	Tampa	A25717.0100	1			
31	Cover	Tampa	A25889.0100	1			
32	Plate	Placa	A25975.0200	1			
33	Plate	Placa	A25975.0100	1			
34	Cover	Tampa	A26250.0100	1			
37	Cover	Tampa	A26591.0100	1			
38	Cover	Tampa	A26885.0100	1			
39	Lock washer	Anilha de freio	923611.0009	3			
40	Rivet	Rebite	99340	6			
41	Cover	Tampa	A26886.0100	1			
42	Pin	Pin	923611.0008	3			
43	Washer	Anilha	923611.0010	3			
44	Cover	Tampa	A27002.0100	1			
45	Hammer	Martelo	923725.0001	1			
46	Fastener	Ligador	923725.0002	1			
47	Screw	Parafuso	920517.0008	2			
49	Working ligh	Farol de trabalho	65713265	2	HBA 172H-24V Optional 70W 24V PK22S 13336 Optional		
50	Bulb	Luz	65089570	2			



		Description Descrição Cabin			☐	Date Data 00-04-06	Module Módulo KV05-0104	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
51	Interior light	Luz interior	920149.008	1		24V 21W		
–	Bulb	Luz	920483.001	1				
52	Mirror	Espelho	921702.0008	1				
53	Arm	Braço	922159.0003	1				
54	Screw	Parafuso	920749.0004	1				
55	Washer	Anilha	920098.025	1				
56	Handle	Manete	920973.0002	2				
57	Screw	Parafuso	920749.0005	4				

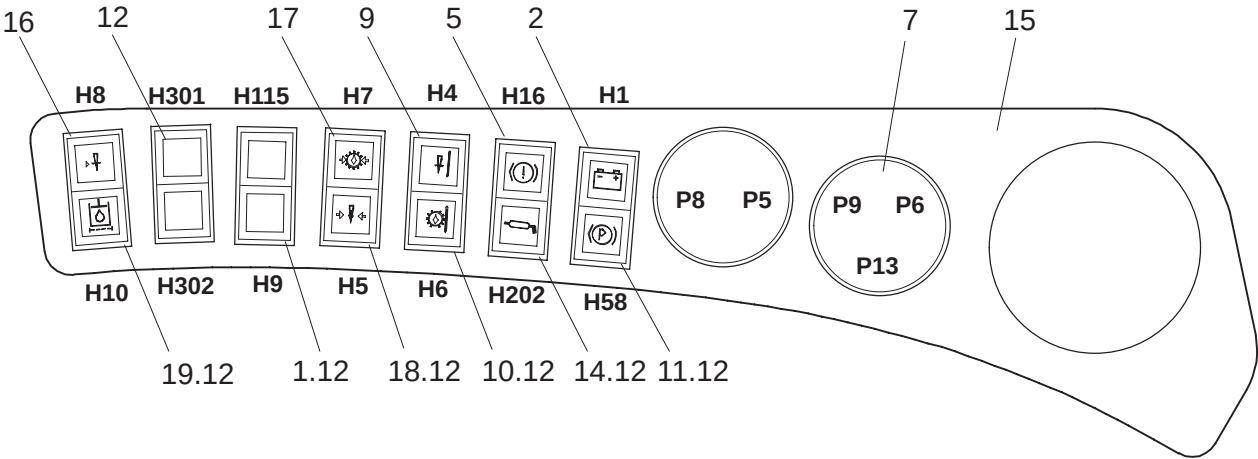
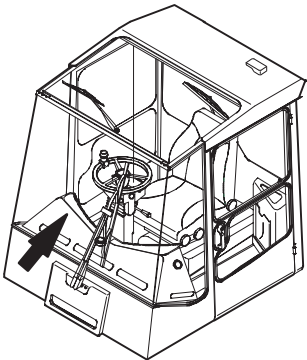
Page Página	Module Módulo	Date Data	Description Descrição	
6	KV05-0104	98-02-05	Dashboard	



 Description Descrição			☐ Date Data			Module Módulo		Page Página		
Dashboard			98-02-05			KV05-0104		7		
Item.	Description		Order no.	Qty	S	Notes				
1	Switch	Interruptor	65231700	2		SWF	511000			
2	Symbol	Simbolo	65232028	1		SWF	596628(vilkkumajakka)			
3	Covering plate	Cobertura	65211650	x		SWF	596273			
4	Socket	Suporte	65104020	x		SWF	596710			
5	Switch	Interruptor	65231705	2		SWF	511105			
6	Symbol	Simbolo	X921418.0049	1		Lidhult	(ilmastointi)			
8	Symbol	Simbolo	X921418.0080	1		SWF	589754 (ilman kiertojärj.)			
9	Press.meter,eng.oil	Indic. pressão óleo motor	X920454.022	1		VDO	350.040019 (Huom! USA:n yksiköillä 65400517)			
10	Fuelmeter	Indicador de combustivel	X922036.0010	1		VDO	301010006 (922036.0010)Huom!USA:n yksiköillä			
11	Temp.meter,engine	Indic. temperatura do motor	806817489	1		VDO	310040018 (Huom! USA:n yksiköillä 65400515)			
*12	Switch	Interruptor	65231717	2		SWF	511117			
*13	Symbol	Simbolo	65232082	1		SWF	596182(autom.vaihtaja)			
*14	Symbol	Simbolo	65232097	1		SWF	595971(nopeusalue)			
*15	Switch	Interruptor	65231727	1		SWF	511127			
*16	Symbol	Simbolo	65232061	1		SWF	596615			
17	Symbol	Simbolo	65232013	4		SWF	596313(työvalo)			
*18	Warning device	Dispositivo avisador	T3111407H	1			Var.vilkku (Hazard)			
19	Hour counter	Conta-horas	X920453.008	1			12-24V 331032006			
20	Dashboard plate	Placa de instrumentos	XA25079.0100	1						
*21	Switch	Interruptor	806818098	1		SWF	511.197 (pyör.rajojen ohitus)			
*22	Switch	Interruptor	65231707	1		SWF	511007(puhallin)			
*23	Switch	Interruptor	806818097	1		SWF	511.019(miniratti)			
24	Relay	Rele	X922156.008	1		Hella	5WG 002450-187			
-	Wiring set	Conjunto instalação elect.	M5510550	1						

*Optional
)*Opcoes

x)Order as required.
x) Quantidade como ne cecessidade

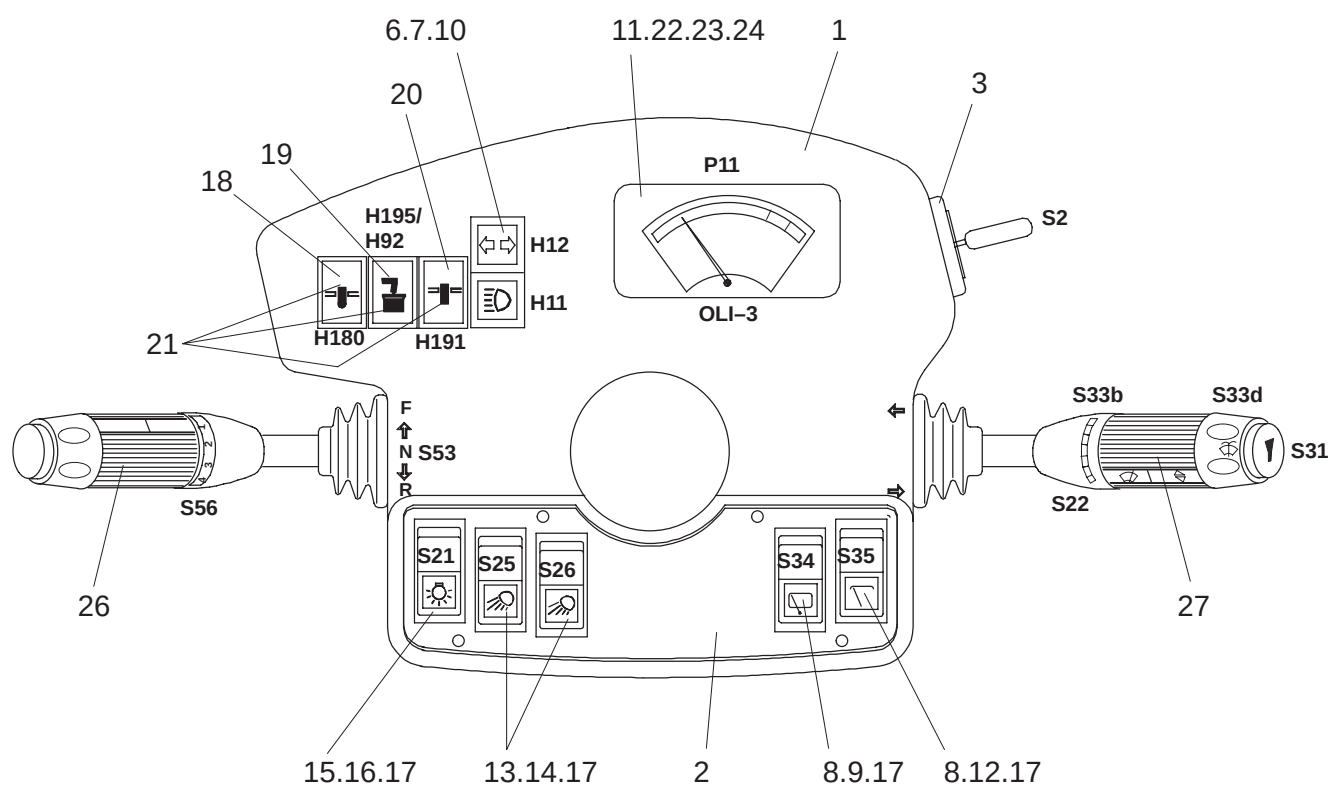
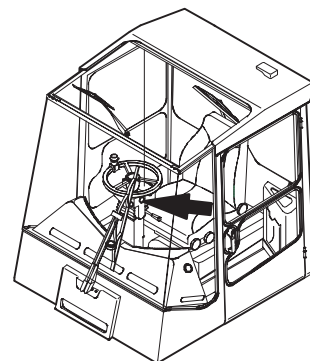


			Description Descrição Dashboard		Date Data 00-03-21	Module Módulo KV05-0104	Page Página 9
Item.	Description		Order no.	Qty	S	Notes	
1	Covering plate	Cobertura	65211650	x		SWF	596273
2	Symbol	Simbolo	806816969	1		SWF	596153 (lataus)
5	Symbol	Simbolo	X921418.0033	1		SWF	596144 (jarruvirhe)
7	Covering plate	Cobertura	X922010.0004	2			D=52mm
9	Symbol	Simbolo	X921418.0043	1			S589785 (jäähd.nest.lämpö)
10	Symbol	Simbolo	X921418.0038	1			S589780 (vaiht.öljynlämpö)
11	Symbol	Simbolo	65232073	1		SWF	596173 (seisontajarru)
12	Signal light module	Módulo da luz de sinalização	65232563	x		SWF	511503 T187-801-2311
*14	Symbol	Simbolo	65211700	1		SWF	596620 (keskuspainevoit.)
15	Dashboard plate	Placa de instrumentos	XA25080.0100	1			
*16	Symbol	Simbolo	806816972	1		VDO	84438532/0015(veden pin-nankorkeus)
17	Symbol	Simbolo	806817484	1			980036019(vaiht.öljynpaine)
18	Symbol	Simbolo	806816966	1		VDO	84438532/0013 (moot.öljyn-paine)
19	Symbol	Simbolo	806816973	1		VDO	84438532/0030(paluusuod.)
–	Wiring set	Conjunto instalação elect.	M5510560	1			

*Optional
)*Opcoes

x)Order as required.
x) Quantidade como ne cessidade

Page Página 10	Module Módulo KV05-0104	Date Data 00-03-21	Description Descrição Dashboard	
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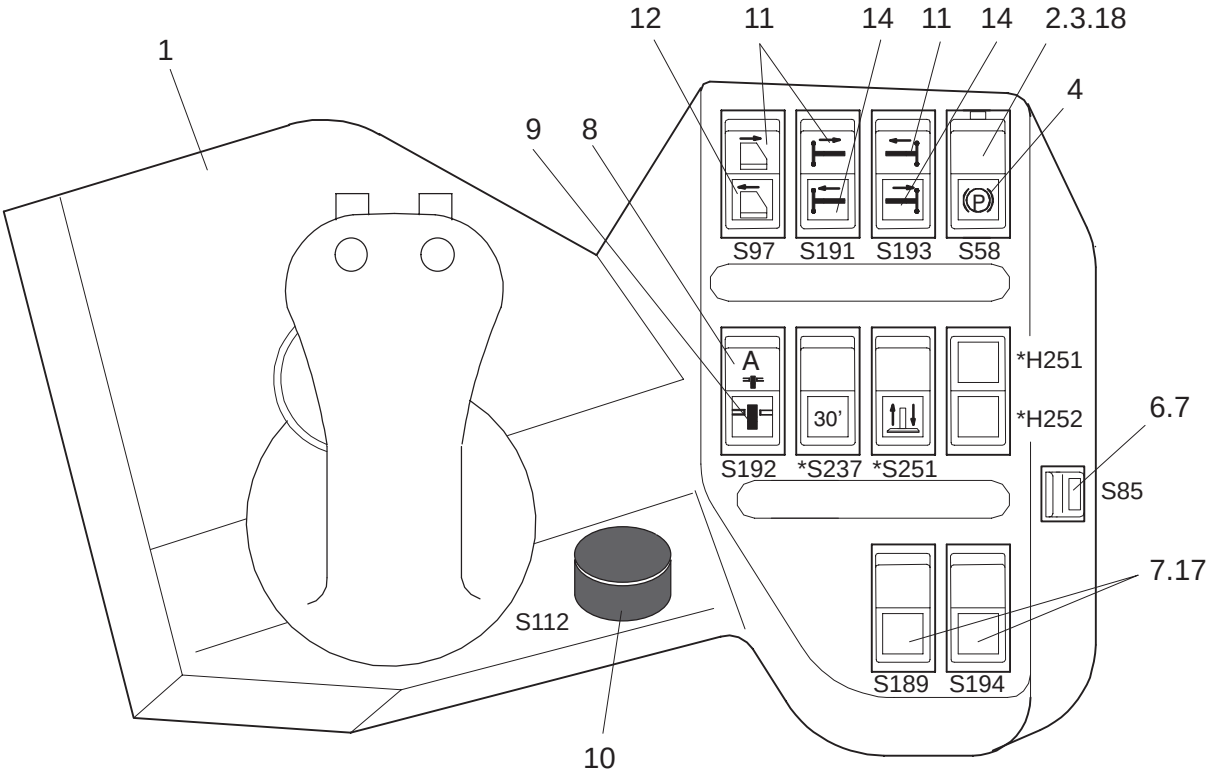
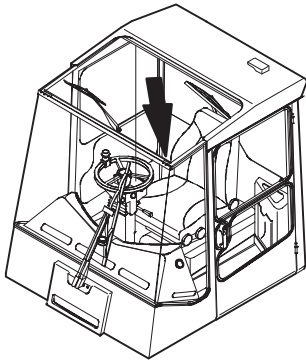


		Description Descrição	☐	Date Data	Module Módulo	Page Página
		Dashboard		00-03-21	KV05-0104	11
Item.	Description	Order no.	Qty	S	Notes	
1	Instrument panel	???	XA33149.0200	1		
2	Dashboard plate	Placa de instrumentos	XA33374.0200	1		
3	Ignition switch	Interruptor de ignição	806818009		Merit	330262
6	Symbol	Simbolo	806815044	1	SWF	595200 (ajosuunta)
7	Signal light module	Módulo da luz de sinalização	65232563	x	SWF	511503 T187-801-2311
8	Switch	Interruptor	X920971.0019	2	SWF	511095
9	Symbol	Simbolo	806818010	1	SWF	S589789 (takalasin pyyh.)
10	Symbol	Simbolo	806818011	1	SWF	S596169 (kaukovalot)
11	Gauge	Indicador	806818012	1	Tamtron	SW80
12	Symbol	Simbolo	X921418.0050	1		(kattolasinpyyh.)
13	Switch	Interruptor	65231700	2	SWF	511000
14	Symbol	Simbolo	65232013	1	SWF	596313 (työvalot)
15	Switch	Interruptor	65231780	1	SWF	511080
16	Symbol	Simbolo	65232051	1	SWF	596651 (ajovalot)
**17	Socket	Suporte	65104020	x	SWF	596710
*18	Signal light module	Módulo da luz de sinalização	X5425		VDO	231.020/009/019
*19	Signal light module	Módulo da luz de sinalização	X5823		VDO	231.020/009/050
*20	Signal light module	Módulo da luz de sinalização	X5423		VDO	231.020/009/016
*21	Sticker	Autocolante	XA26849.0100	1		
22	Cover	Tampa	M5510190	1		
24	Mounting plate	Prato de suporte	M5510200	1		
25	Bulb	Luz	65075500	x	Phili	13516 W2x4,6D1,2
26	Gear selector	Selector de velocidades	X920476.006	1		S202861
27	Switch	Interruptor	X920476.014	1		S202859
-	Wiring set	Conjunto instalação elect.	M5510500	1		

*Optional
)*Opcoes

x)Order as required.
 x) Quantidade como ne cessidade

**))incl. part 25
 **)

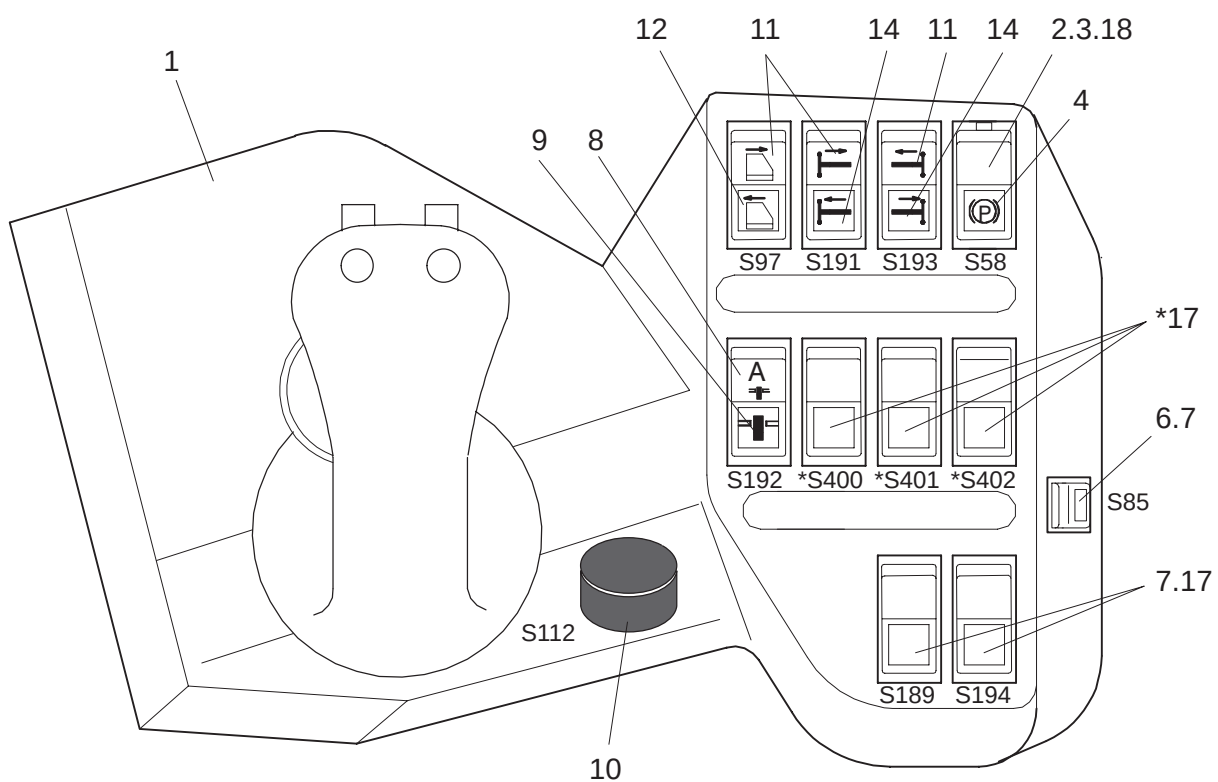
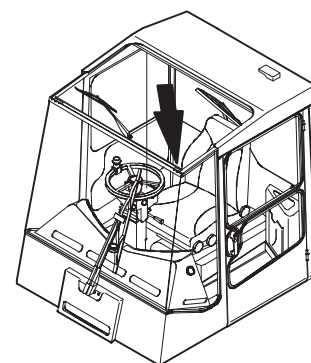


			Description Descrição Dashboard		Date Data 00-03-21	Module Módulo KV05-0104	Page Página 13
Item.	Description		Order no.	Qty	S	Notes	
1	Housing	Caixa	XA26250.0100	1			
2	Switch	Interruptor	65231781	2		SWF	511181
**3	Socket	Suporte	65104020	x		SWF	596710
4	Symbol	Simbolo	65232073	1		SWF	596173(seisontajarru)
6	Switch	Interruptor	65231707	1		SWF	511007
7	Symbol	Simbolo	65211700	3		SWF	596620 (by-pass)
8	Switch	Interruptor	X920971.0024	1		SWF	511062
9	Symbol	Simbolo	X921418.0054	1			921418.0054 (karojen lukit.)
10	Switch	Interruptor	X922730.0005	1		SK616 227-AE	922730.0005
11	Switch	Interruptor	806108106	3		SWF	511055
12	Symbol	Simbolo	X921418.0075	1		SWF	(hytin siirto)
14	Symbol	Simbolo	X921418.0044	2			(toplifit ulos)
17	Switch	Interruptor	65231705	2		SWF	511105
18	Bulb	Luz	65075500	x		Phili	13516 W2x4,6D1,2

*Optional
)*Opcoes

x)Order as required.
 x) Quantidade como ne cessidade

**))incl. part 18
 **)



			Description Descrição Dashboard		☐	Date Data 00-06-05	Module Módulo KV05-0104	Page Página 15
Item.	Description		Order no.	Qty	S	Notes		
1	Housing	Caixa	XA26250.0100	1				
2	Switch	Interruptor	65231781	2		SWF	511181	
**3	Socket	Suporte	65104020	x		SWF	596710	
4	Symbol	Simbolo	65232073	1		SWF	596173(seisontajarru)	
6	Switch	Interruptor	65231707	1		SWF	511007	
7	Symbol	Simbolo	65211700	3		SWF	596620 (by-pass)	
8	Switch	Interruptor	X920971.0024	1		SWF	511062	
9	Symbol	Simbolo	X921418.0054	1			921418.0054 (karojen lukit.)	
10	Switch	Interruptor	X922730.0005	1		SK616 227-AE	922730.0005	
11	Switch	Interruptor	806108106	3		SWF	511055	
12	Symbol	Simbolo	X921418.0075	1		SWF	(hytin siirto)	
14	Symbol	Simbolo	X921418.0044	2			(toplifit ulos)	
17	Switch	Interruptor	65231705	5		SWF	511105	
18	Bulb	Luz	65075500	x		Phili	13516 W2x4,6D1,2	

*) Use only with lift arms

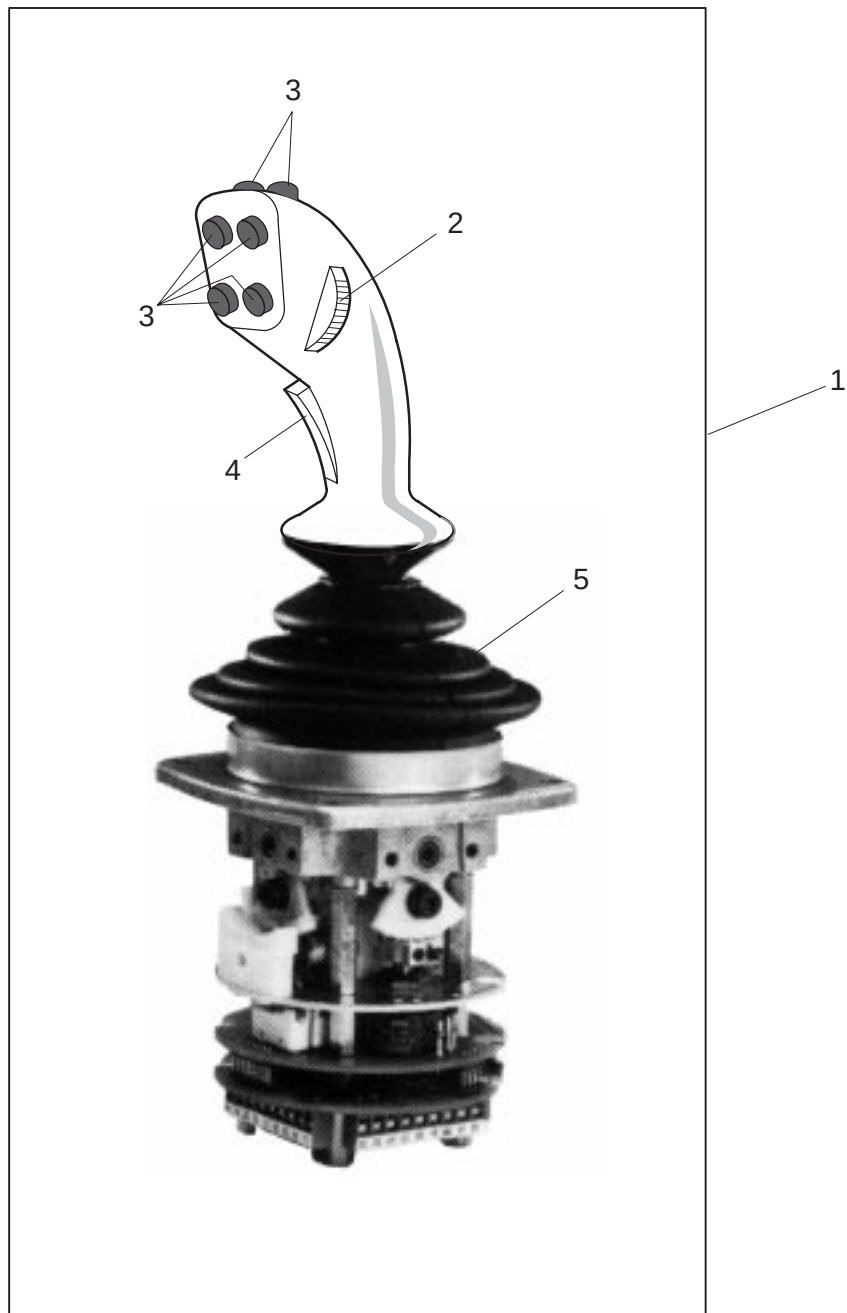
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x)Order as required.

x) Quantidade como ne cessidade

**)incl. part 18

**))



		Description Descrição Steering arm			☐	Date Data 00-04-04	Module Módulo KV05-0104	Page Página 17
Item.	Description		Order no.	Qty	S	Notes		
1	Steering arm	Braço direcção	M0605236H	1		Gesman V8B3DDDDDDKPA11 -2ZPP+2ZPP+2ZP-X		
2	Potentiometer	Potenciómetro	806817814	1		Gesman B3-P11		
3	Switch	Interruptor	806817812	6		Gesman B3-D		
4	Switch	Interruptor	806817813	1		Gesman B3-K		
5	Bellows	Fole	806818008	1		Gesman V8-F		

Page Página 18	Module Módulo KV05-0104	Date Data 00-09-28	Description Descrição Display unit	☐	
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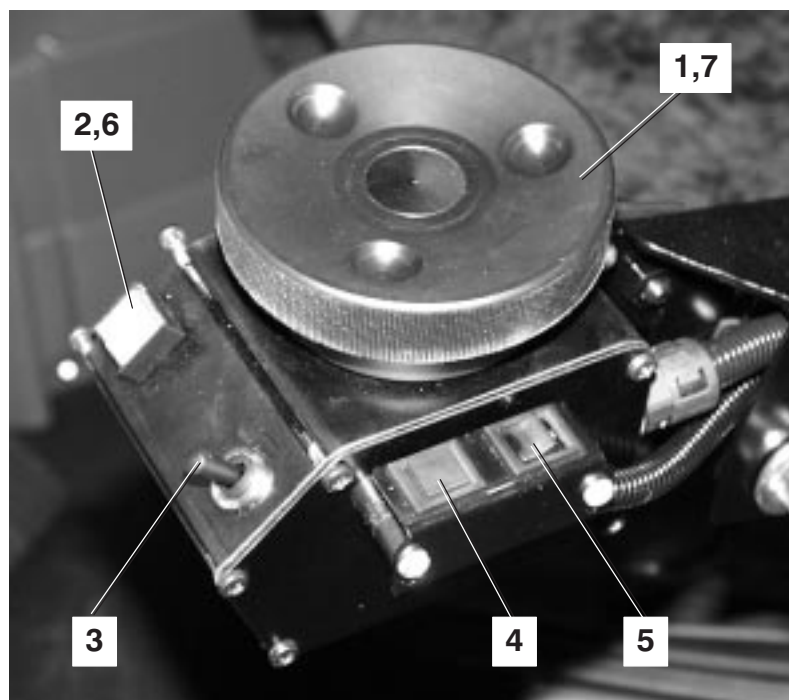


		Description Descrição Display unit			☐	Date Data 00-09-28	Module Módulo KV05-0104	Page Página 19
Item.	Description		Order no.	Qty	S	Notes		

1	Display unit	Visor	65267398	1		MITRON 97MBKP-16
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*Optional

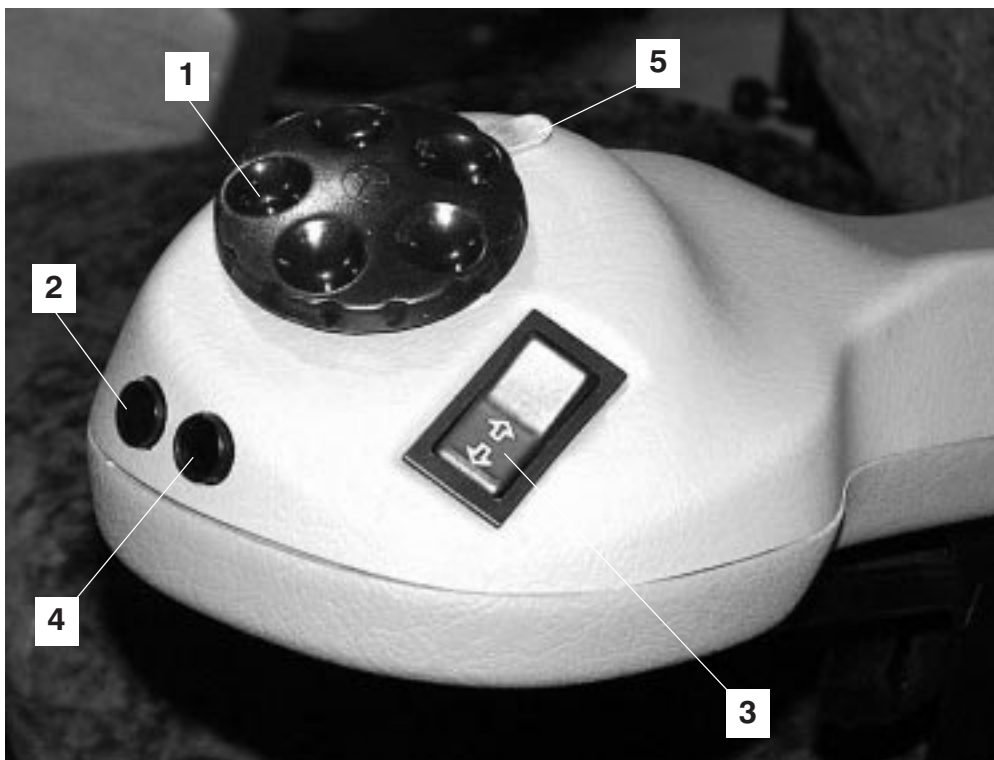
Page Página 20	Module Módulo KV05-0104	Date Data 00-08-16	Description Descrição Steering wheel	☐	
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		Description Descrição Steering wheel	☐		Date Data 00-08-16	Module Módulo KV05-0104	Page Página 21
Item.	Description		Order no.	Qty	S	Notes	
*1	Steering wheel	Volante	K1209030H	1		RMH	891110-002
2	Switch	Interruptor	806817960	1		RMH	861537 ON/OFF
3	Switch	Interruptor	806817959	1		RMH	861487 ajosuunnan valinta
4	Switch	Interruptor	806818099	1		C&K	8221 J81 ZGE22 äänimerkki
5	Switch	Interruptor	806817067			C&K	7201
6	Symbol	Simbolo	806817961	1		RMH	861539
7	Diode	Díodo	806817962	1		RMH	861530

*Optional
)

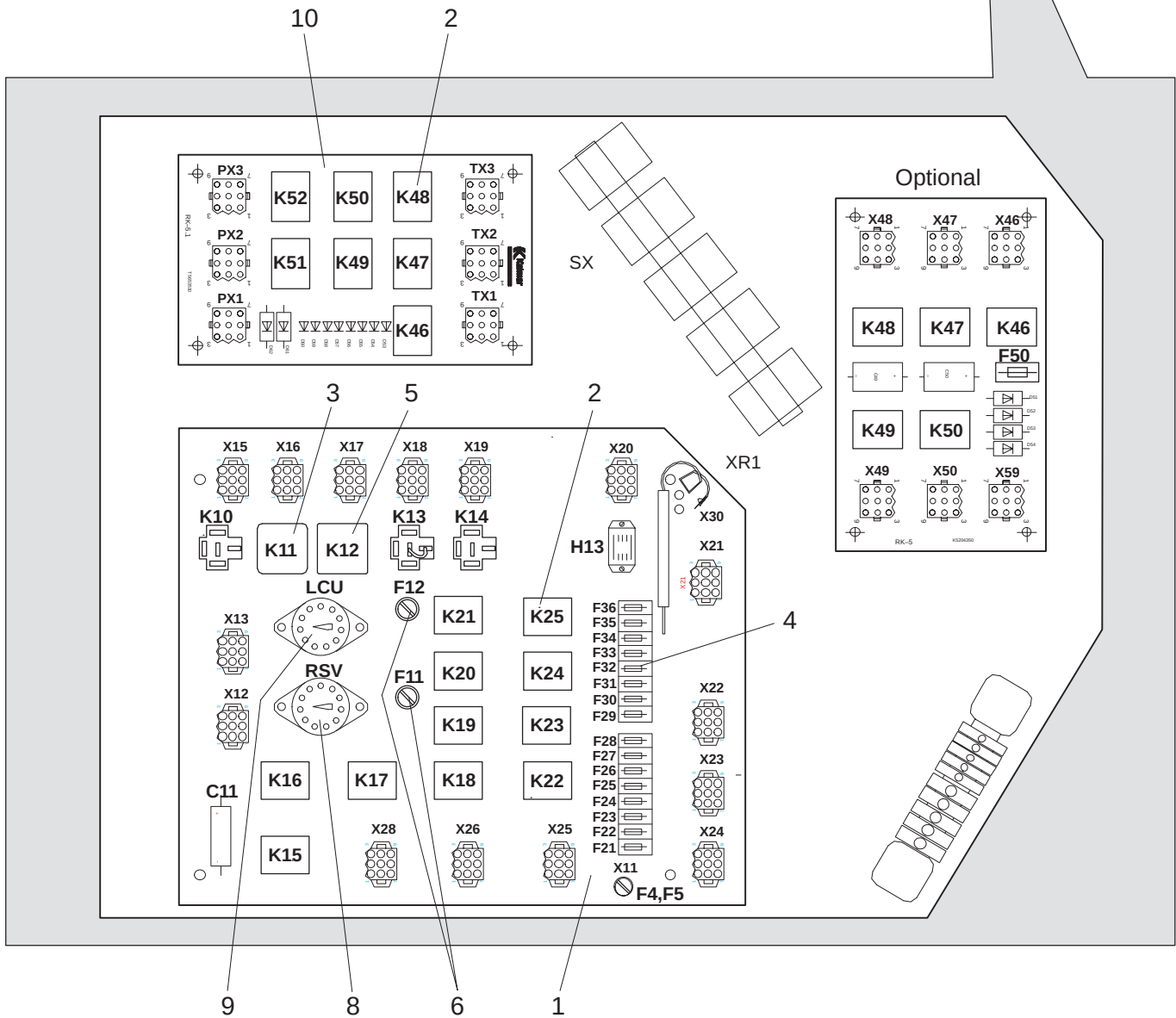
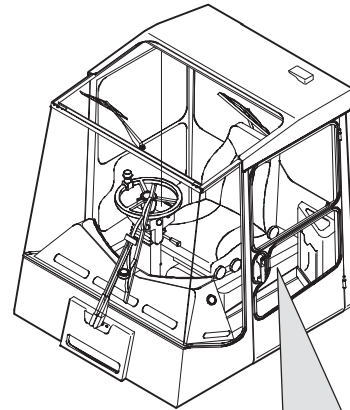
Page Página 22	Module Módulo KV05-0104	Date Data 00-09-28	Description Descrição Cabin, mount.	☐	
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		Description Descrição Cabin, mount.			☐	Date Data 00-09-28	Module Módulo KV05-0104	Page Página 23
Item.	Description		Order no.	Qty	S	Notes		
*1	Steering wheel	Volante	XA33484.0100	1				
2	Switch	Interruptor	M5511502	1		C&K	7201+johtosarja, virtakytkin	
**3	Switch	Interruptor	806818079	1		SWF	511050, ajosuunnan valinta	
4	Switch	Interruptor	XA34435.0100	1			äänimerkki	
5	Lever	Alavanca	XA36498.0100	1			herkkyyden säätö	
6	Symbol	Simbolo	65232001	1		SWF	596301	
7	Bulb	Luz	806818156	1		SWF	596710	

*)Optional
*)

**)Incl. parts 6,7
**)



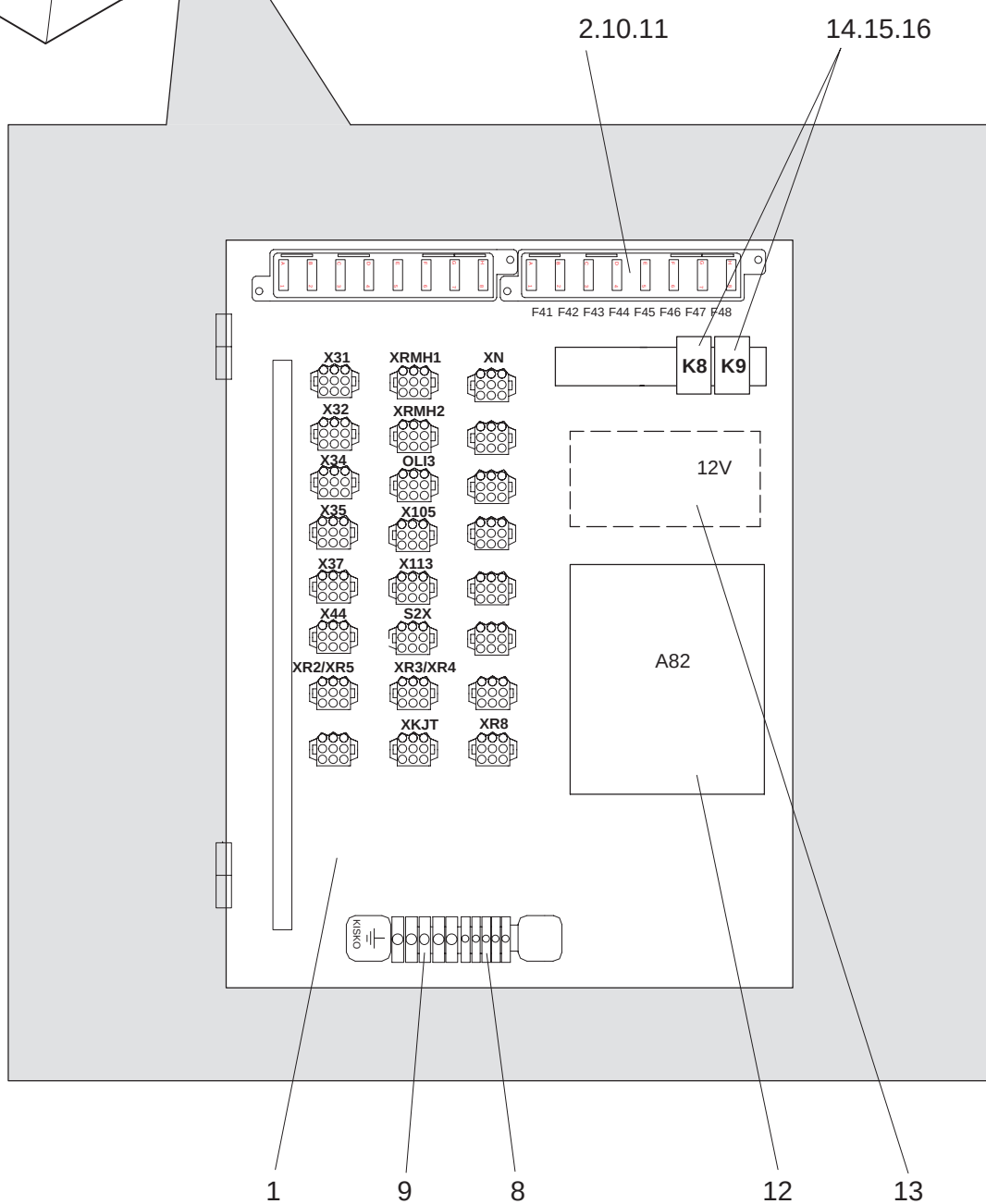
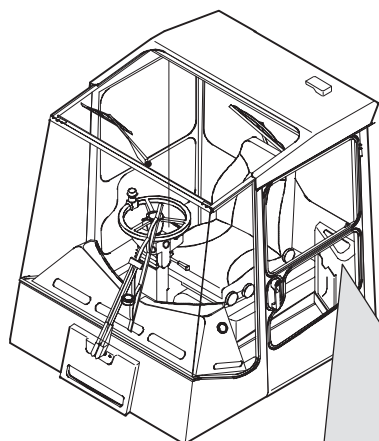
		Description Descrição Circuit card			☐	Date Data 00-03-22	Module Módulo KV05-0104	Page Página 25
Item.	Description		Order no.	Qty	S	Notes		
*1A	Circuit card	Circuito impresso	M5503440	1				
1	Circuit card	Circuito impresso	806818160	1		437089		
2	Relay	Relé	652381060	18		Idec	RH2B-ULC-DC24	
3	Relay	Relé	65238147	1		Bosch	0332209211 24VBosch	
							0332209211-100	
4	Fuse	Fusivel	65270110	16		SAE	J 1284 latta 17156 10A	
5	Relay	Relé	65238142	1		Hella	4AZ003 787-021	
6	Fuse	Fusivel	65270392	2		Hella	5x20 hidas 2A	
**8	Direction wacht	Vigia de direcção	652338820	1		Pikos	RSV-002	
9	Control unit	Unidade de controle	652338821	1		Pikos	LCU-002	
10	Circuit card	Circuito impresso	T5653510	1			RK5.1	

*)Incl. parts 1 –6

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**)Not used with autom. gear shift

**)



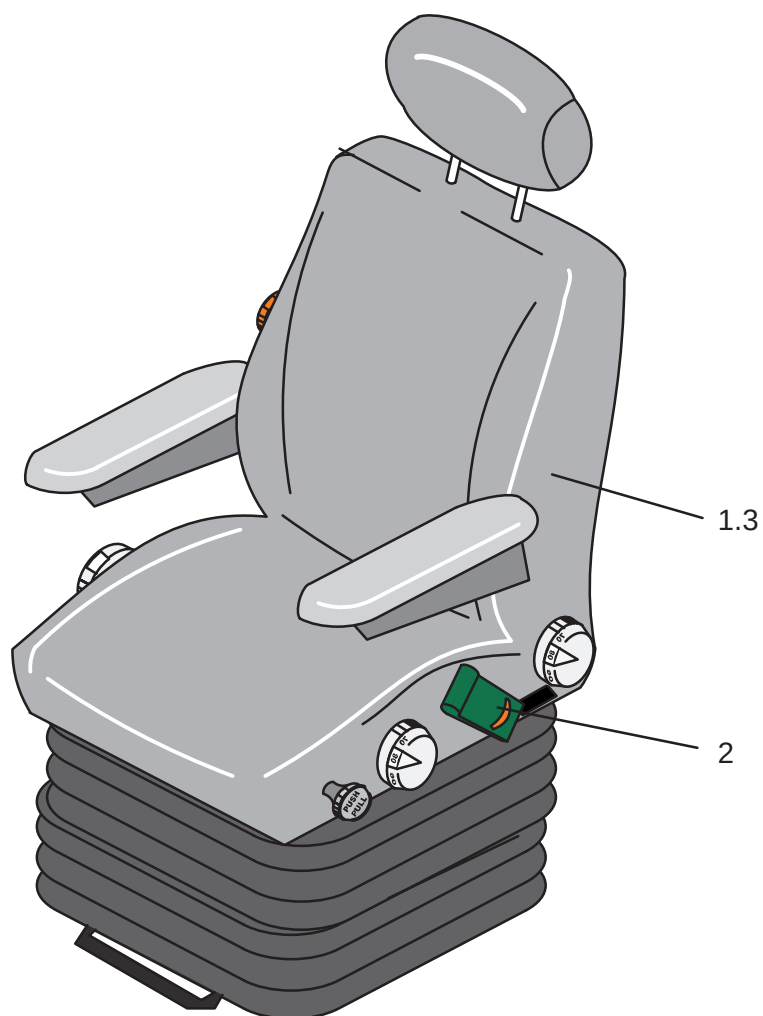
		Description Descrição Mounting plate			☐	Date Data 00-09-28	Module Módulo KV05-0104	Page Página 27
Item.	Description		Order no.	Qty	S	Notes		
**1	Mounting plate	Placa de montagem	M5503550	1				
2	Fuse box	Caixa de fusíveis	65273289	1		Merit	150300, 8 lattasul.	
8	Connection	União	652119094	5		Weidm	3165.0 ZB4	
9	Connection	União	652119093	5		Weidm	3166.0 ZB16	
10	Fuse	Fusível	65270110	5		SAE	10A J 1284 latta	
11	Fuse	Fusível	65270115	3		SAE	15A J 1284 latta	
13	Voltage reducer	Redutor de voltagem	X923447.0006	1			24/12V 6/8A 810-2412	
*12	Control unit	Unidade de controle	806818155	1		652673689	huom!	
*14	Relay	Relé	65238128	1		KLÖKN	TE 69-A MULTI	
*15	Relay	Relé	652381060	1		IDEC	RH2B-ULC-DC24	
*16	Socket	Suporte	652381061	1		IDEC	SH2B-05	

*Optional
)

**))Incl. parts 2-11
**)

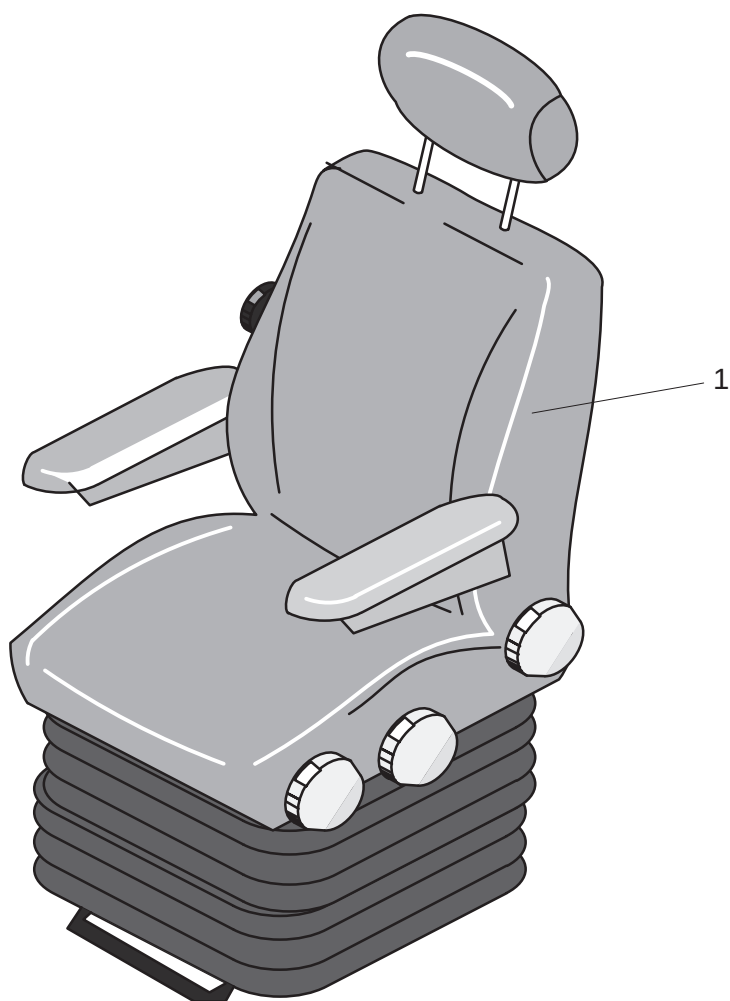
huom! Ohjausyksikkö A82 (MITRON MCC1812) pitää ohjelmoida konekohtaisesti kurottajalinjalla.

Page Página 28	Module Módulo KV05-0104	Date Data 98-11-17	Description Descrição Seat	☐	
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		Description Descrição Seat			☐	Date Data 98-11-17	Module Módulo KV05-0104	Page Página 29
Item.	Description		Order no.	Qty	S	Notes		
1	Seat	Cadeira	806817796	1	75	BE-GE	9100	
2	Safety belt	Cinto de segurança	T2313018H	1		KLIPP	907215+kinn.osat	
3	Compressor	Compressor	806817895	1		BE-GE	603008	
—	Wiring set	Conjunto instalação elect.	M5509080	1				

Page Página 30	Module Módulo KV05-0104	Date Data 00-03-22	Description Descrição Seat	☐	
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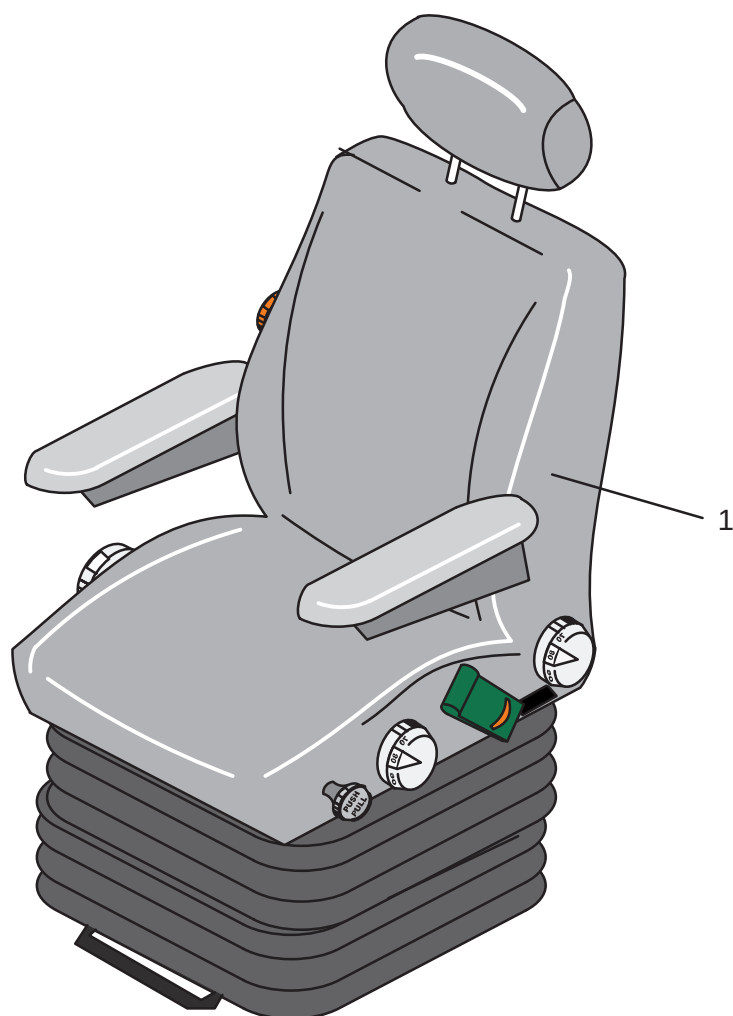
		Description Descrição Seat			☐	Date Data 00-03-22	Module Módulo KV05-0104	Page Página 31
Item.	Description	Order no.	Qty	S	Notes			

*1	Seat	Cadeira	N2501152H	1	75	BE-GE	9200M
-	Safety belt	Cinto de segurança	N2509009H	1		AUTOL	NR65003

*)Mechanical suspended

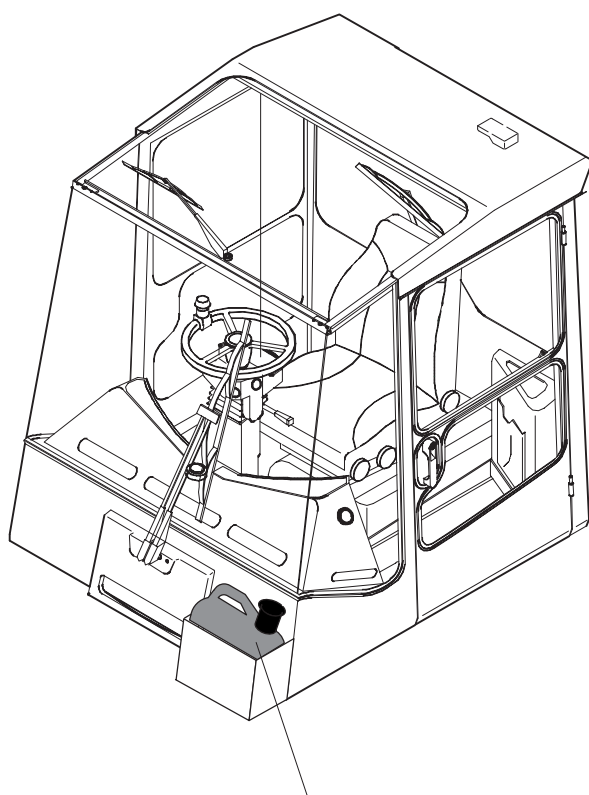
*)

Page Página 32	Module Módulo KV05-0104	Date Data 98-11-17	Description Descrição Seat	☐	
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		Description Descrição Seat			☐	Date Data 98-11-17	Module Módulo KV05-0104	Page Página 33
Item.	Description		Order no.	Qty	S	Notes		
1	Seat	Cadeira	N2501162H	1	75	ISRI	6500K/575	

Page Página 34	Module Módulo KV05-0104	Date Data 00-05-10	Description Descrição Windshield wiper	☐	
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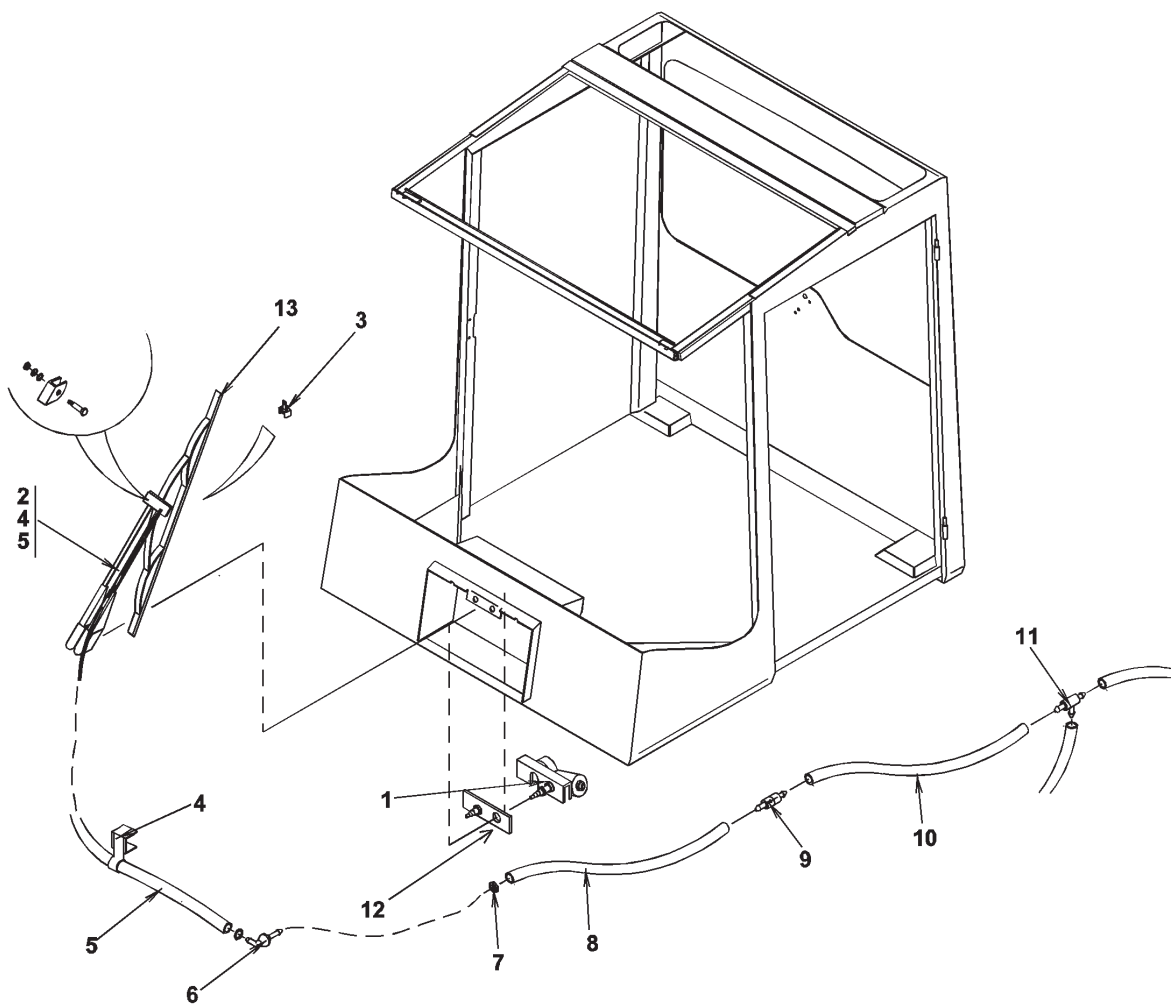


1.2

		Description Descrição Windshield wiper			☐	Date Data 00-05-10	Module Módulo KV05-0104	Page Página 35
Item.	Description		Order no.	Qty	S	Notes		

1	Container	Deposito	M4316200	1		GWS	565	
2	Engine	Motor	T3111009H	3		Casca	24.00.2.35	

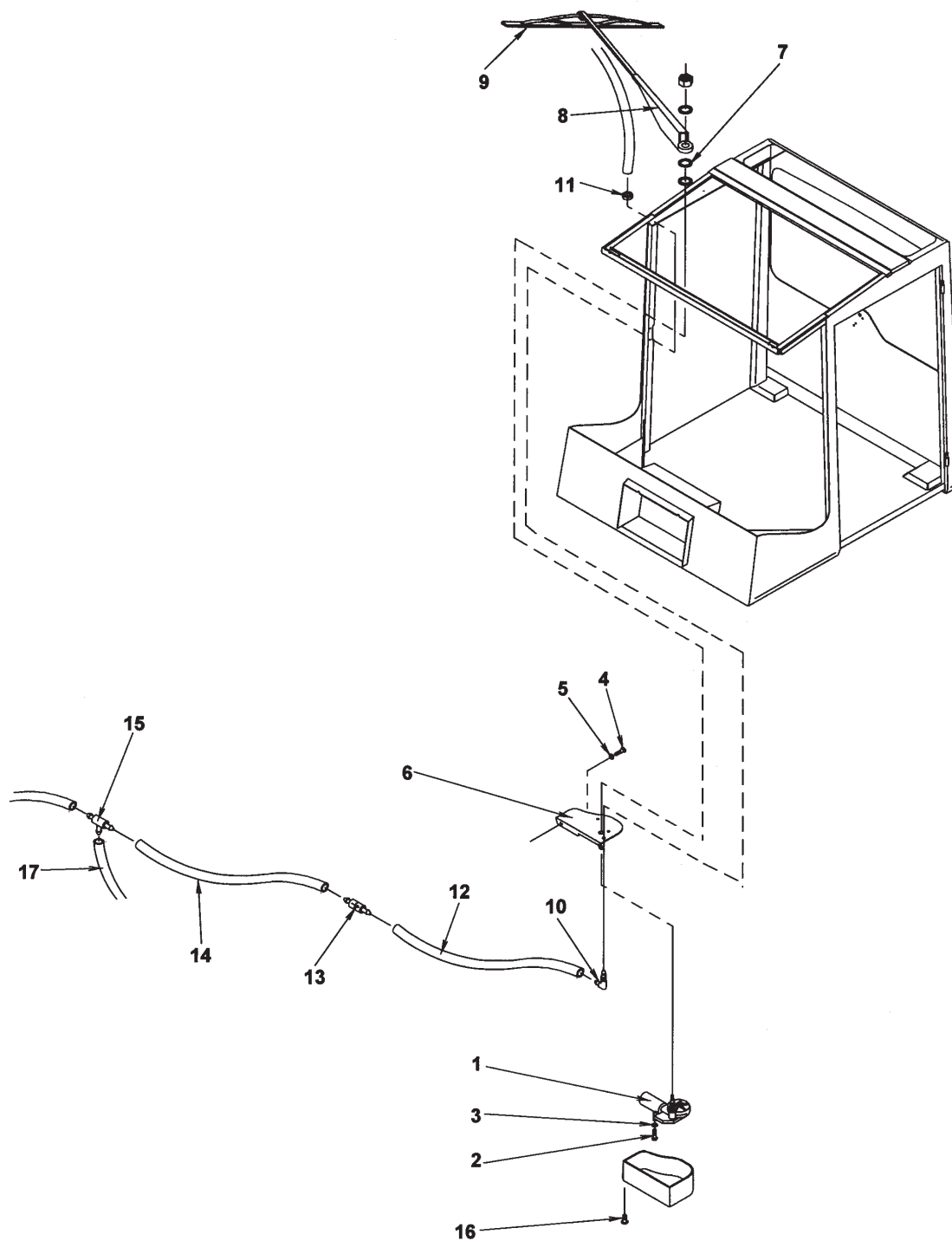
Page Página	Module Módulo	Date Data	Description Descrição		
36	KV05-0104	00-04-07	Windshield wiper		



		Description Descrição Windshield wiper			☐	Date Data 00-04-07	Module Módulo KV05-0104	Page Página 37
Item.	Description		Order no.	Qty	S	Notes		
1	Engine	Motor	920887.0011	1				
2	Wiper arm	Braço do limpa-vidros	920888.0005	1				
3	Nozzle	Bico injector	920170.003	1				
4	Hose holder	Abraçadeira	920170.008	1		Bosch	3392 380 021	L=850
5	Hose	Tubo	921400.0002	x				
6	Elbow	União	922780.0002	1		ISO4032	M8	L=1900
7	Nut	Porca	50410080	3				
8	Hose	Tubo	90396	x				
9	Valve	Valvula	5400	1				
10	Hose	Tubo	90396	x				L=100
11	Branch tee	União	5859	1				
12	Fitting set	Jogo de montagem	920890.0009	1				
13	Blade	Escova	920183.019	1				

x)Order as required (min. delivery length 1 m).
x)

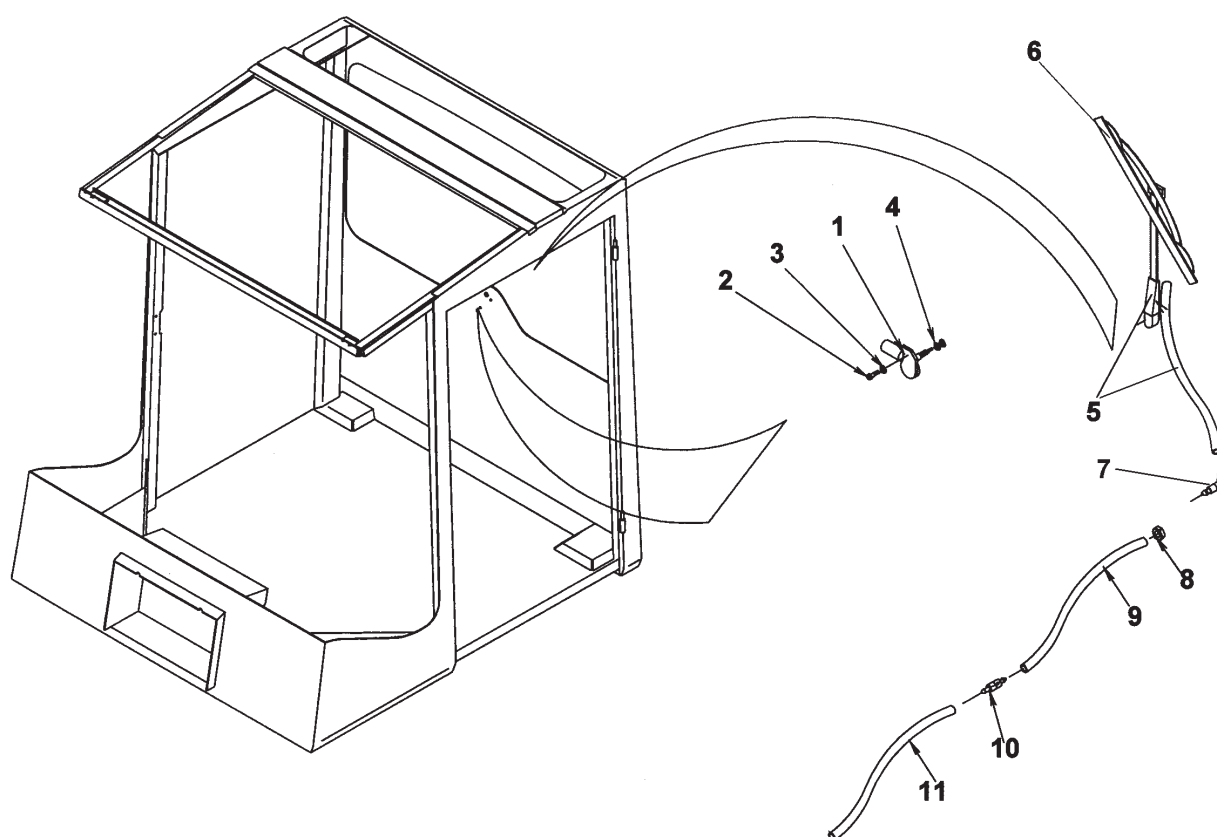
Page Página 38	Module Módulo KV05-0104	Date Data 00-04-10	Description Descrição Windshield wiper	☐	
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		Description Descrição Windshield wiper			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 39
Item.	Description		Order no.	Qty	S	Notes		
1	Engine	Motor	920890.0011	1				
2	Screw	Parafuso	920099.024	2		SFS2064	M6x16	
3	Washer	Anilha	98151	2		ISO7089	6.4	
4	Screw	Parafuso	920099.021	2		SFS2064	M8x12	
5	Washer	Anilha	920098.025	2		DIN125	8.4	
6	Attachment	Ligação	A26490.0100	1				
7	Fitting set	Jogo de montagem	920890.0004	1				
8	Wiper arm	Braço do limpa-vidros	920893.0014	1				
9	Blade	Escova	920183.020	1				
10	Nozzle	Bico injector	922780.0002	1				
11	Nut	Porca	3052	1				
12	Hose	Tubo	90396	x		L=4000		
13	Valve	Valvula	5400	1				
14	Hose	Tubo	921400.0002	x		L=1000		
15	Branch tee	União	5859	1				
16	Screw	Parafuso	920749.0002	2				
17	Hose	Tubo	90396	x		L=100		

x)Order as required (min. delivery length 1 m).
x)

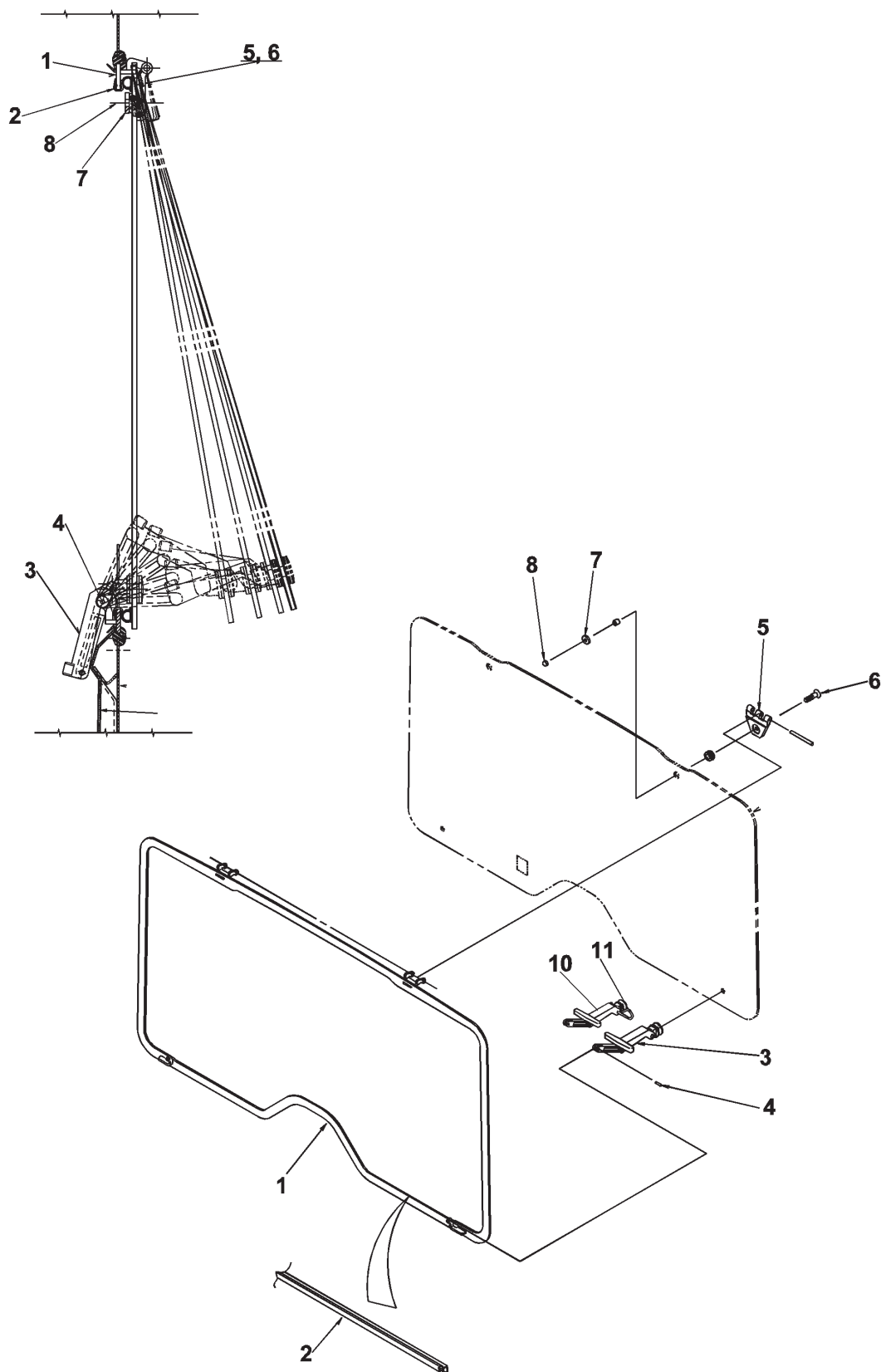
Page Página	Module Módulo	Date Data	Description Descrição	☐	
40	KV05-0104	00-04-10	Windshield wiper		



		Description Descrição Windshield wiper			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 41
Item.	Description		Order no.	Qty	S	Notes		
1	Engine	Motor	920890.0011	1				
2	Screw	Parafuso	920099.024	2		SFS2064 M6X16		
3	Washer	Anilha	98151	2		ISO7089 6.4		
4	Fitting set	Jogo de montagem	920890.0004	1				
5	Wiper arm	Braço do limpa-vidros	920893.0014	1				
6	Blade	Escova	920183.020	1				
7	Nozzle	Bico injector	922780.0002	1				
8	Nut	Porca	3052	3				
9	Hose	Tubo	90396	x		L=1000		
10	Valve	Valvula	5400	1				
11	Hose	Tubo	90396	x		L=1000		

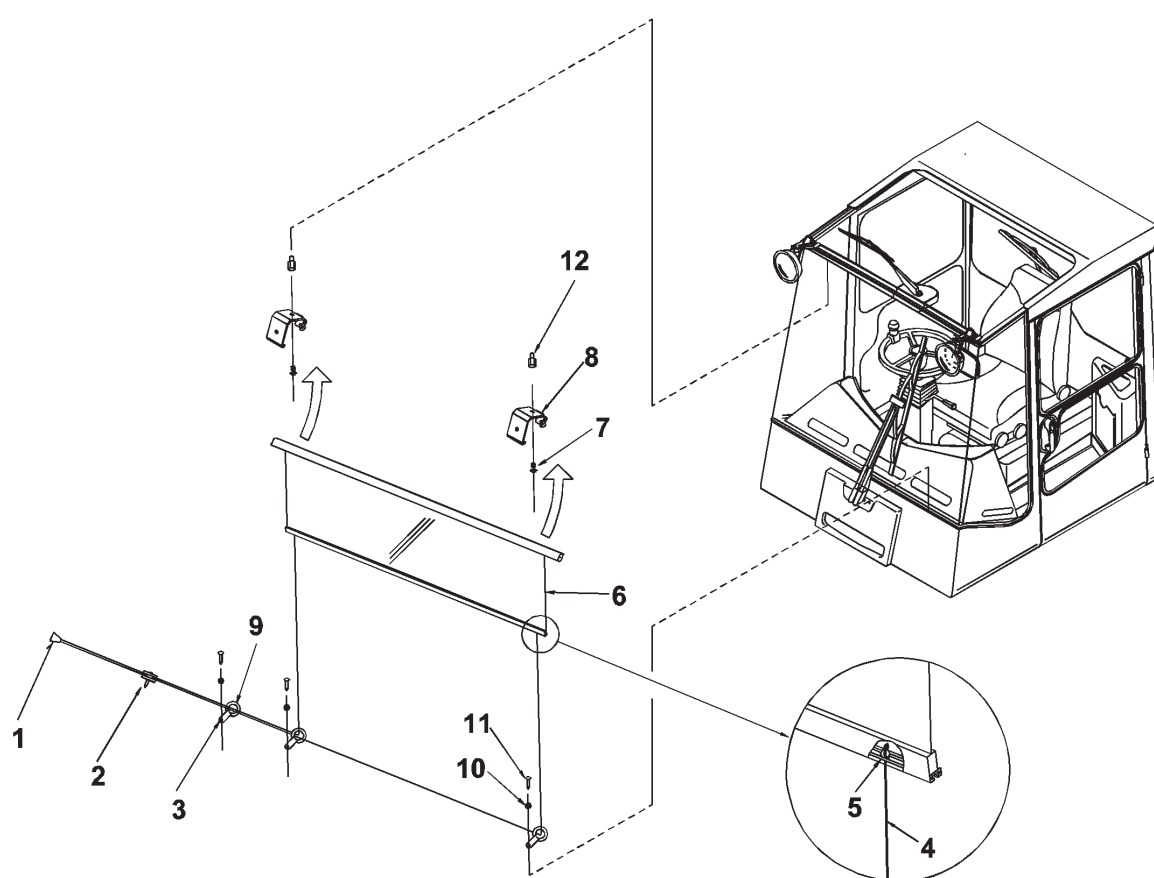
x)Order as required (min. delivery length 1 m).
x)

Page Página 42	Module Módulo KV05-0104	Date Data 00-04-07	Description Descrição Glasses	☐	
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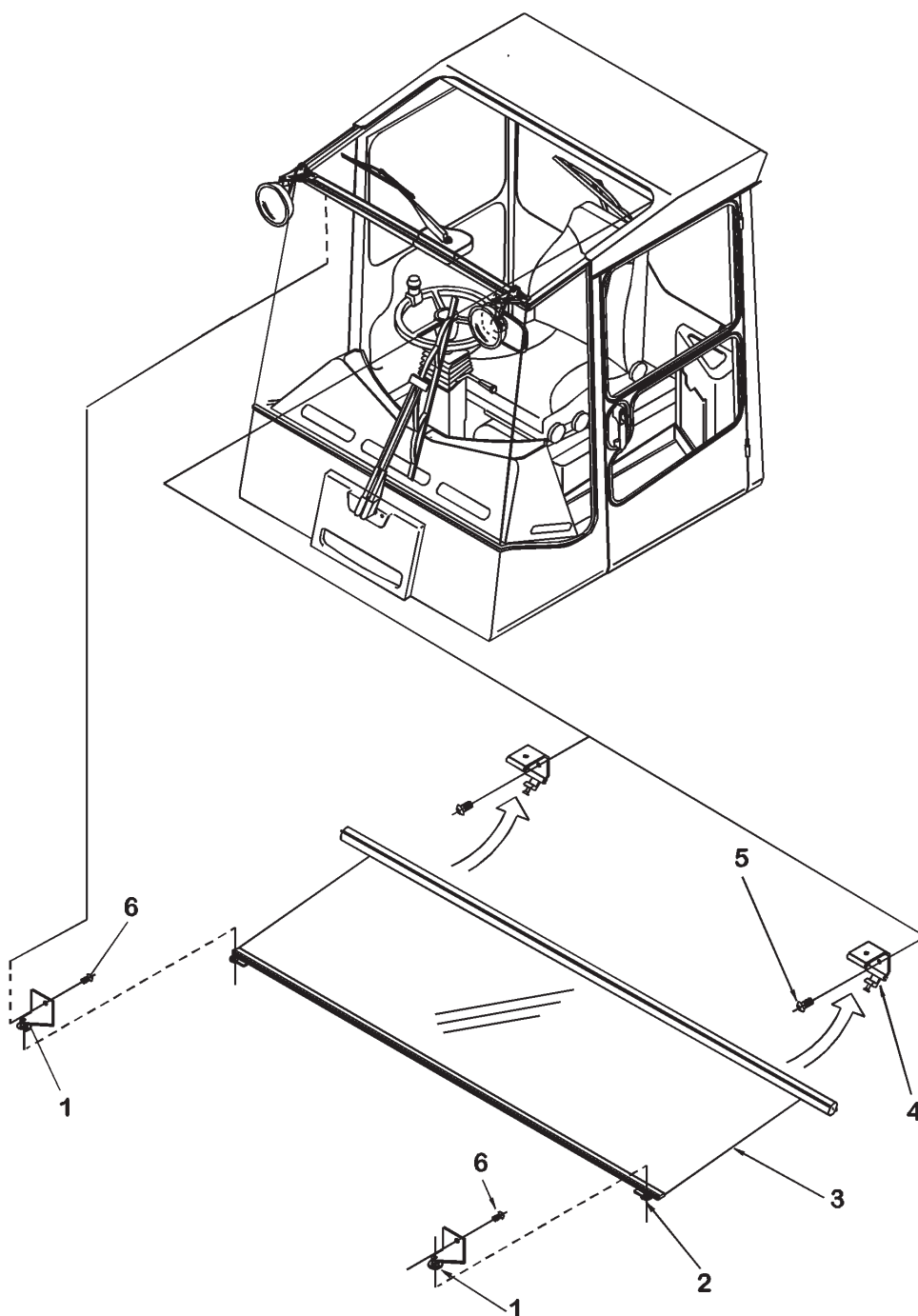


		Description Descrição Glasses			☐	Date Data 00-04-07	Module Módulo KV05-0104	Page Página 43
Item.	Description		Order no.	Qty	S	Notes		
1	Frame	Estrutura de suporte	A29673.0100	1				
2	Rubber seal	Vedante borracha	920946.0010	x				
3	Catch	Fecho	922376.0002	2				
4	Pin	Pin	920463.023	2				
5	Hinge	Dobradica	921517.0006	2				
6	Screw	Parafuso	920043.075	2				
7	Washer	Anilha	920165.003	2				
8	Nut	Porca	921901.0004	2				
10	Catch	Fecho	A29687.0100	2				
11	Pin	Pino	4697	2				

x) Order as required (min. delivery length 1 m).

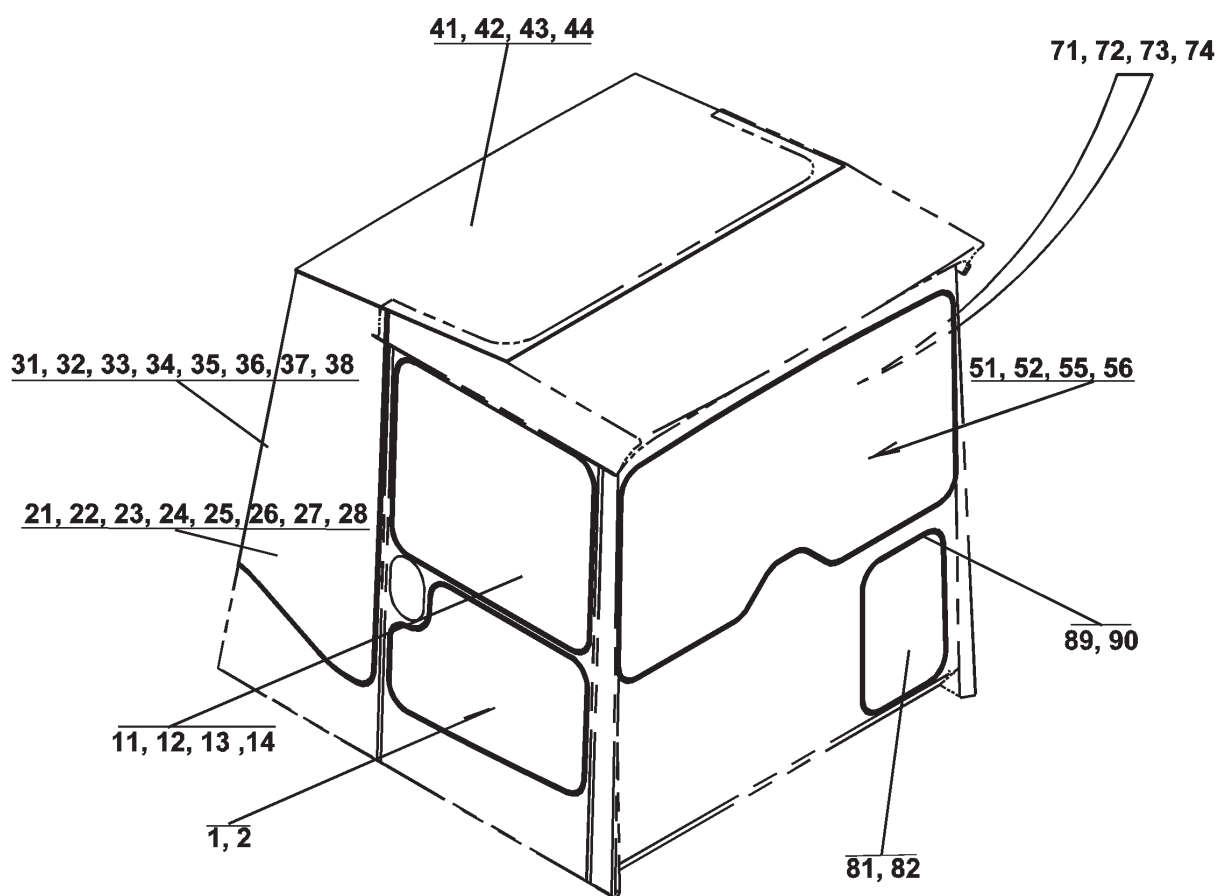


		Description Descrição Visor			☐	Date Data 00-04-07	Module Módulo KV05-0104	Page Página 45
Item.	Description		Order no.	Qty	S	Notes		
1	Knob	Punho	923811.0005	1				
2	Support	Suporte	923811.0008	1				
3	Ring	Anel	923811.0007	3				
4	Extractor	Extractor	923811.0003	5				
5	Washer	Anilha	923811.0004	2				
6	Visor	Cortina	923810.0001	1				
7	Screw	Parafuso	920749.0005	2				
8	Clamp	Abraçadeira	923811.0001	2				
9	Ring	Anel	923811.0006	3				
10	Washer	Anilha	923550.0003	3				
11	Screw	Parafuso	920371.010	3				
12	Screw	Parafuso	920950.0003	2				



		Description Descrição Visor			Date Data 00-04-07	Module Módulo KV05-0104	Page Página 47
Item.	Description		Order no.	Qty	S	Notes	
1	Support	Suporte	923811.0010	2			
2	Extractor	Extractor	923811.0002	2			
3	Visor	Cortina	923810.0001	1			
4	Clamp	Abraçadeira	923811.0001	2			
5	Screw	Parafuso	920749.0005	2			
6	Screw	Parafuso	920749.0002	2			

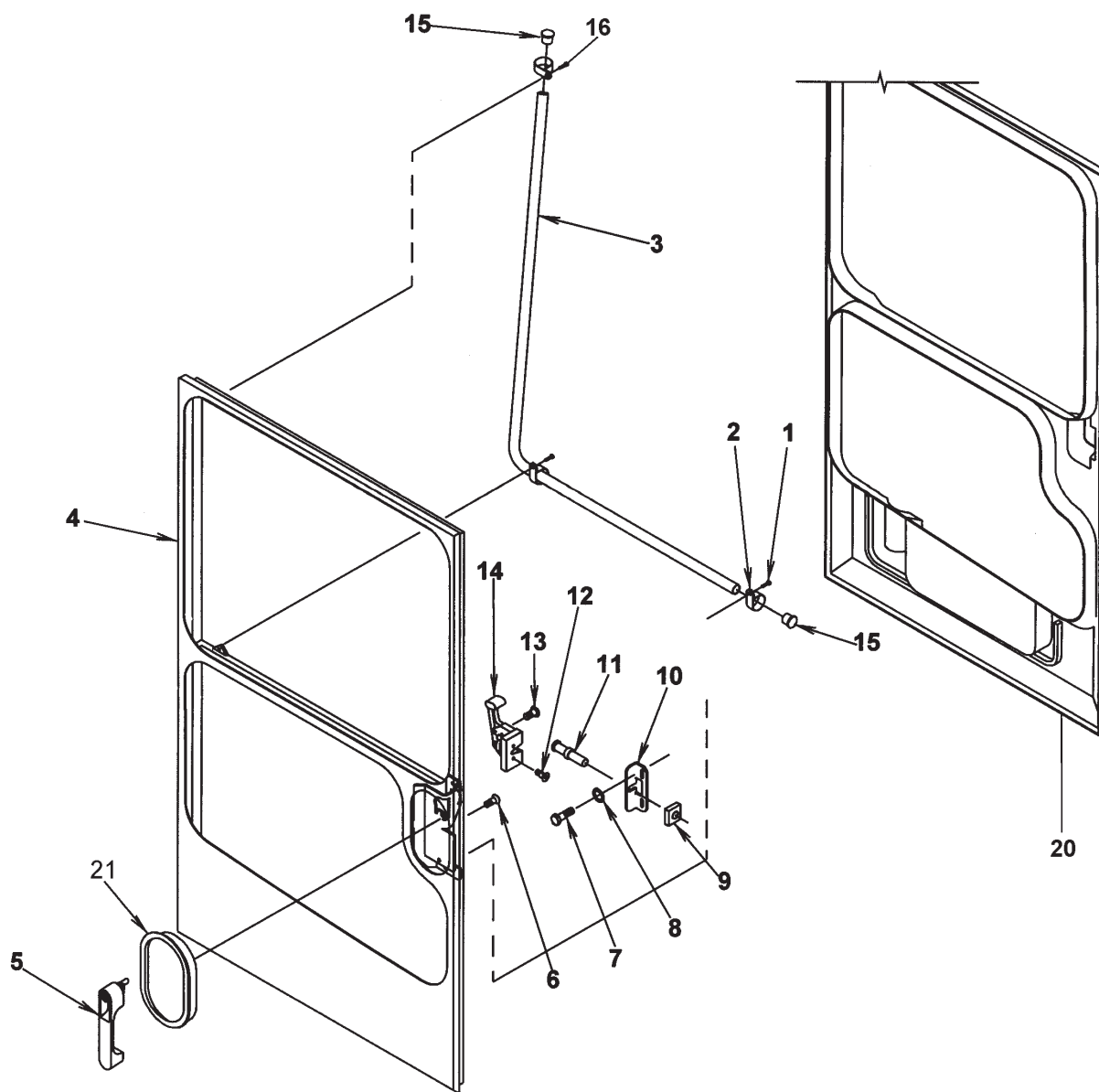
Page Página	Module Módulo	Date Data	Description Descrição	☐	
48	KV05-0104	00-04-07	Glasses		



			Description Descrição Glasses		☐	Date Data 00-04-07	Module Módulo KV05-0104	Page Página 49
Item.	Description		Order no.	Qty	S	Notes		
1	Glass	Vidro	A24081.0100	1				
2	Glass,green	Vidro, verde	A24081.0200	1				
11	Glass	Vidro	A24079.0100	1				
12	Glass,green	Vidro, verde	A24079.0200	1				
13	Sliding glas	Vidro deslizante	A24080.0100	1				
14	Sliding glas,green	Vidro deslizante, verde	A24080.0200	1				
21	Glass	Vidro	A24078.0100	2		T=5, 1292x584		
22	Glass,green	Vidro, verde	A24078.0200	2		T=5,1292x584		
23	Glass	Vidro	A24078.0600	2		T=6, 1292x584		
24	Glass,green	Vidro, verde	A24078.0700	2		T=6, 1292x584		
25	Glass	Vidro	A29503.0100	2		T=5, 1260x506		
26	Glass,green	Vidro, verde	A29503.0200	2		T=5,1260x506		
31	Windscreen	Para brisas	A24076.0100	1		T=5,1411x1111		
32	Windscreen, green	Para brisas, verde	A24076.0200	1		T=5,1411x1111		
33	Windscreen	Para brisas	A24076.0300	1		T=6,1411x1111		
34	Windscreen, green	Para brisas, verde	A24076.0400	1		T=6,1411x1111		
35	Windscreen	Para brisas	A29504.0100	1		T=5,1379x1085		
36	Windscreen, green	Para brisas, verde	A29504.0200	1		T=5, 1379x1085		
37	Windscreen	Para brisas	A29504.0300	1		T=6,1379x1085		
38	Windscreen, green	Para brisas, verde	A29504.0400	1		T=6, 1379x1085		
41	Glass	Vidro	A24075.0100	1		T=6		
42	Glass, bronze	Vidro, bronze	A24075.0100	1				
*43	Glass	Vidro	A30224.0100	1		T=5,		
*44	Glass,green	Vidro, verde	A30224.0200	1		T=5		
51	Glass	Vidro	A24077.0100	1		T=5,		
52	Glass,green	Vidro, verde	A24077.0200	1		T=5		
55	Glass	Vidro	A29676.0100	1		T=6,		
56	Glass,green	Vidro, verde	A29676.0200	1		T=6		
71	Glass	Vidro	A24079.0100	1				
72	Glass,green	Vidro, verde	A24079.0200	1				
73	Sliding glas	Vidro deslizante	A27726.0100	1				
74	Sliding glas,green	Vidro deslizante, verde	A27726.0200	1				
81	Glass	Vidro	A17020.0100	1				
82	Glass,green	Vidro, verde	A17020.0200	1				
89	Rubber seal	Vedante borracha	920934.0005	x				
90	Strip	Faixa	920932.0001	x				

x) Order as required (min. delivery length 1 m).

*) May not be mounted without roof protect.



1A

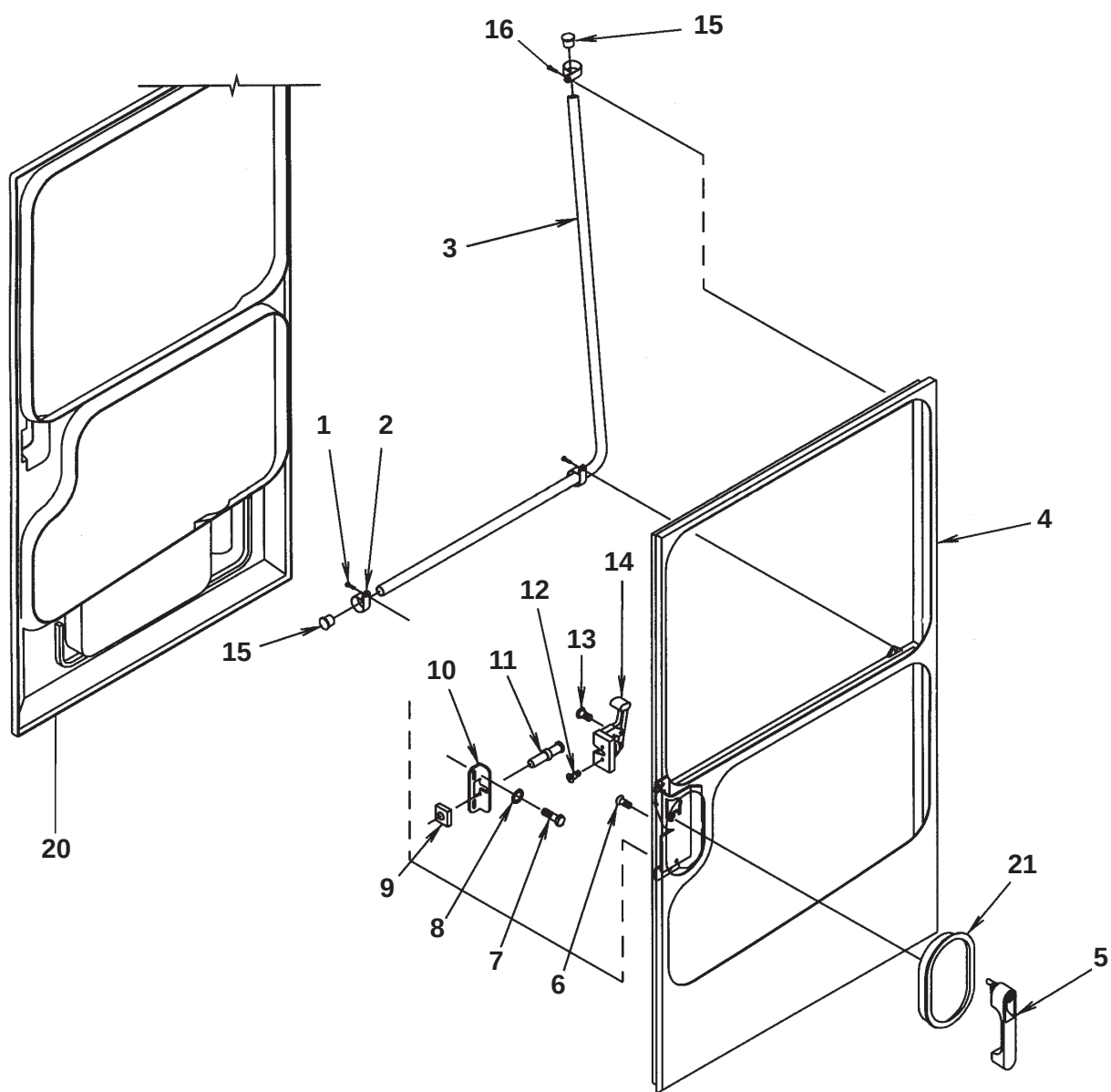
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Door, Rh		00-03-24	KV05-0104	51
Item.	Description		Order no.	Qty	S	Notes	
*1A	Door	Porta	A26139.0200	1			
1	Screw	Parafuso	920749.0004	3			
2	Fastener	Ligador	920125.016	3			
3	Handle	Manete	A24988.0100	1			
4	Door	Porta	A22882.0200	1			
5	Handle	Manete	923455.0001	1			
6	Screw	Parafuso	920749.0005	3			
7	Screw	Parafuso	3062	2			
8	Washer	Anilha	98151	2			
9	Nut	Porca	A06303.0200	1			
10	Fastener	Ligador	A23480.0100	3			
11	Lock pin	Cavilha segurança	923455.0002	1			
12	Screw	Parafuso	920043.064	4			
13	Screw	Parafuso	920043.053	4			
14	Handle	Manete	923455.0014	1			
15	Cover	Tampa	922010.0009	2			
16	Screw	Parafuso	A27813.0100	1			
20	Insulator	Isolador	A26587.0100	x			
21	Insulator	Isolador	A26593.0100	x			

*)Incl. parts 1-21

*)

x) Order as required.

x)



1A

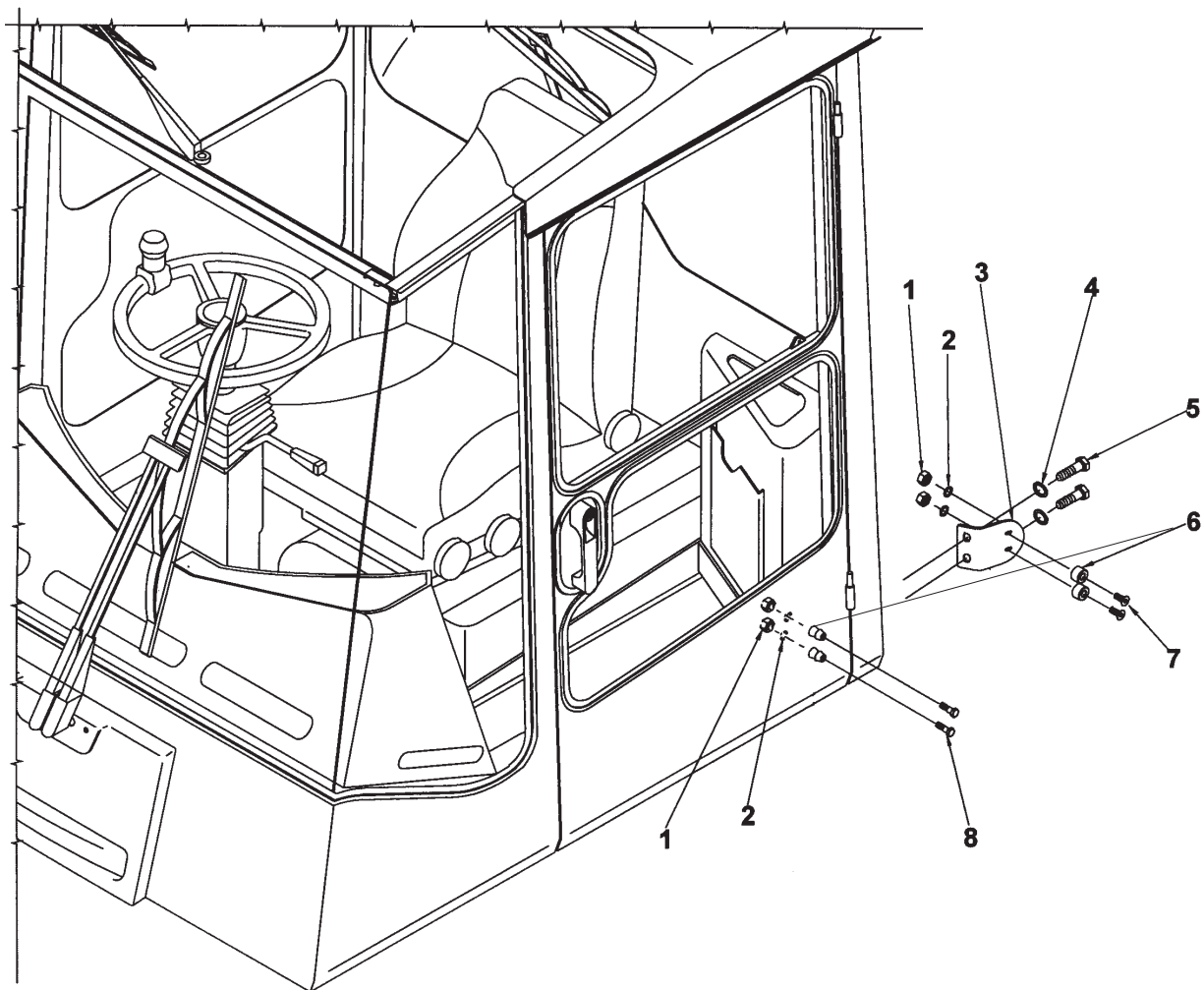
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Door, LH		00-03-24	KV05-0104	53
Item.	Description		Order no.	Qty	S	Notes	
*1A	Door	Porta	A26139.0100	1			
1	Screw	Parafuso	920749.0004	3			
2	Fastener	Ligador	920125.016	3			
3	Handle	Manete	A24988.0100	1			
4	Door	Porta	A22882.0100	1			
5	Handle	Manete	923455.0001	1			
6	Screw	Parafuso	920749.0005	3			
7	Screw	Parafuso	3062	2			
8	Washer	Anilha	98151	2			
9	Nut	Porca	A06303.0200	1			
10	Fastener	Ligador	A23480.0100	3			
11	Lock pin	Cavilha segurança	923455.0002	1			
12	Screw	Parafuso	920043.064	4			
13	Screw	Parafuso	920043.053	4			
14	Handle	Manete	923455.0015	1			
15	Cover	Tampa	922010.0009	2			
16	Screw	Parafuso	A27813.0100	1			
20	Insulator	Isolador	A26587.0100	x			
21	Insulator	Isolador	A26593.0100	x			

*)Incl. parts 11–21

*)

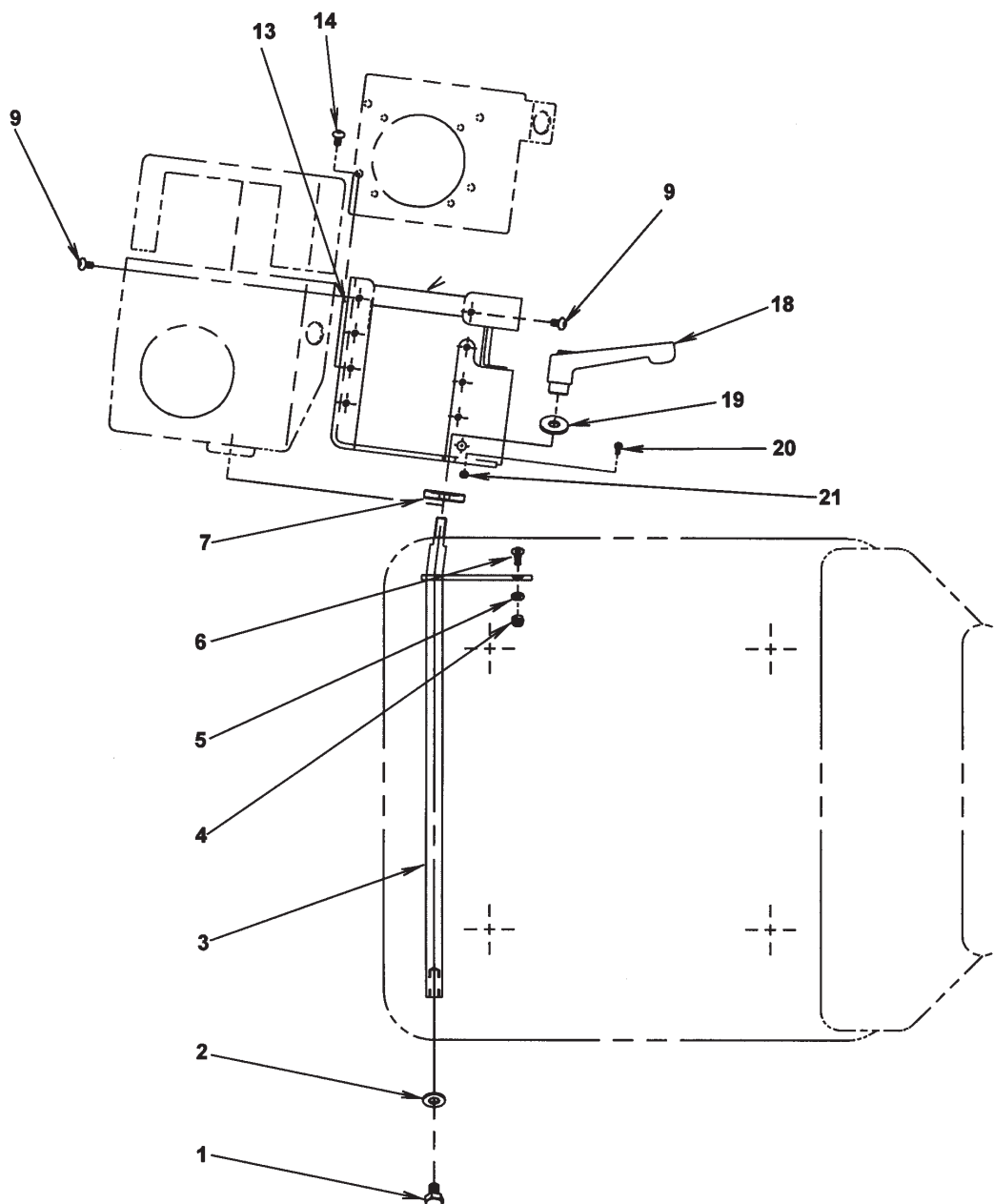
x) Order as required.

x)



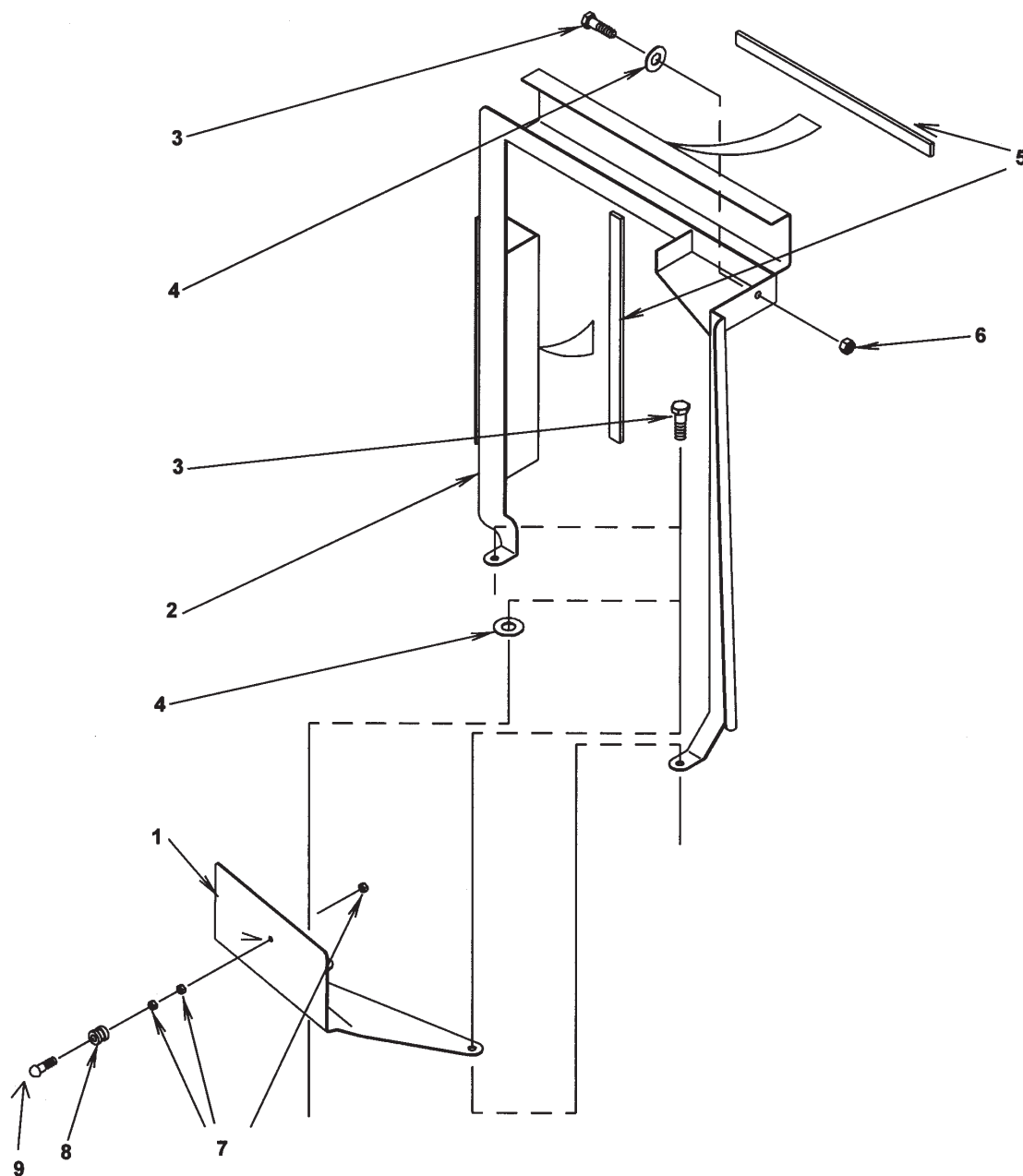
		Description Descrição Door, LH			☐	Date Data 00-04-06	Module Módulo KV05-0104	Page Página 55
Item.	Description		Order no.	Qty	S	Notes		
1	Nut	Porca	920076.002	8		DIN985	M6	
2	Washer	Anilha	98151	8		ISO7089	6.4	
3	Mounting plate	Prato de suporte	A25973.0200	2				
4	Washer	Anilha	920098.009	4		ISO7089	13	
5	Screw	Parafuso	3102	4		SFS2064	M12X25	
6	Fastener	Ligador	923418.0004	4				
7	Screw	Parafuso	4820	4		SFS2176	M6x20	
8	Screw	Parafuso	3065	4				

Page Página	Module Módulo	Date Data	Description Descrição		
56	KV05-0104	00-04-10	Bracket		



			☐		Date Data	Module Módulo	Page Página
Description Descrição Bracket					00-04-10	KV05-0104	57
Item.	Description		Order no.	Qty	S	Notes	
1	Screw	Parafuso	920042.003	1			
2	Washer	Anilha	98150	6			
3	Fastener	Ligador	A06297.0500	1			
4	Nut	Porca	920076.002	1			
5	Washer	Anilha	98151	1			
6	Screw	Parafuso	920043.044	1			
7	Flange	União	A06933.0100	1			
9	Screw	Parafuso	920749.0005	3			
13	Bracket	Prateleira	A23895.0100	1			
14	Screw	Parafuso	920749.0005	6			
18	Lever	Alavanca	921060.0004	1			
19	Washer	Anilha	920165.005	1			
20	Screw	Parafuso	920100.202	1			
21	Nut	Porca	920076.014	1			

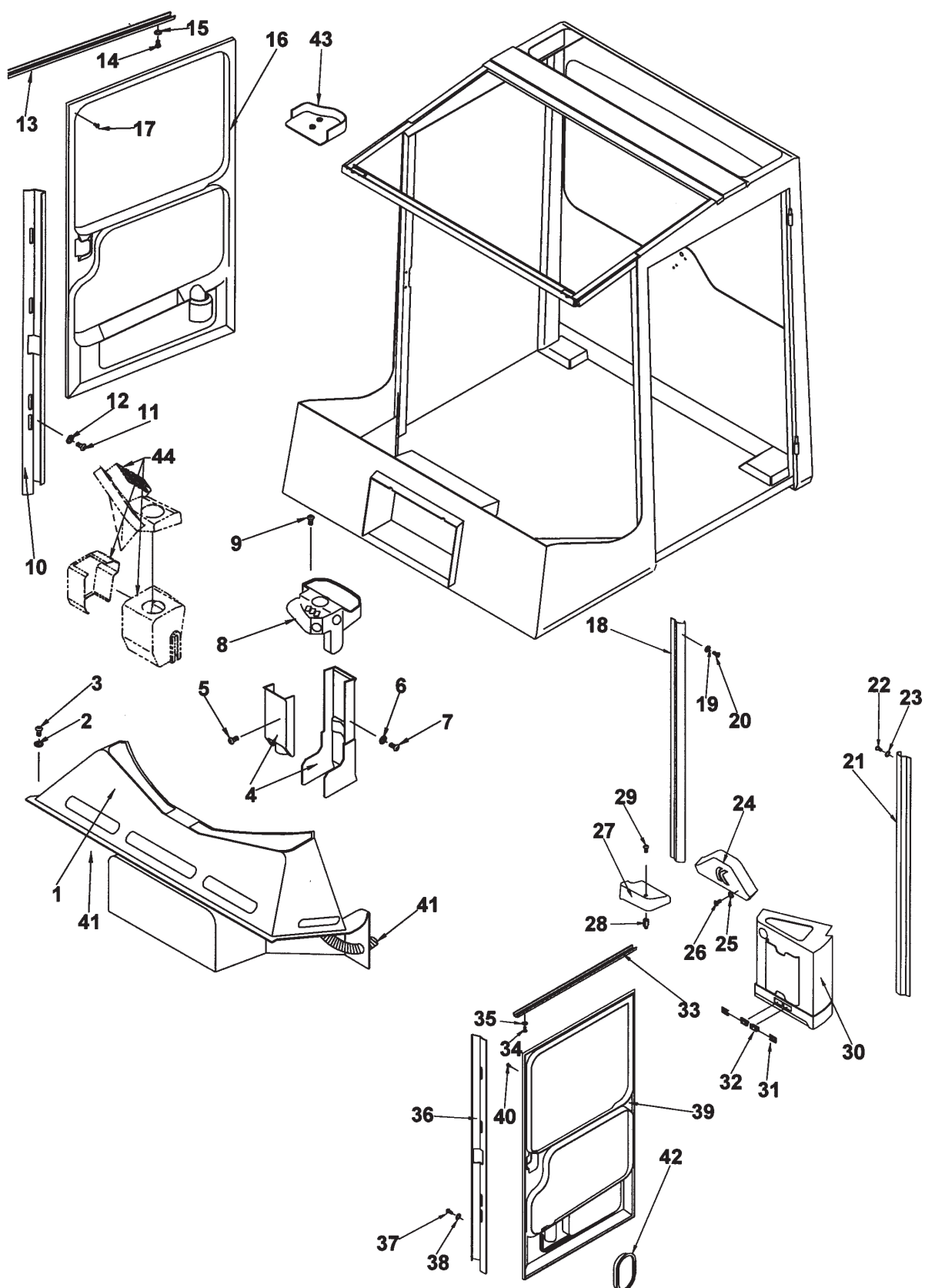
Page Página	Module Módulo	Date Data	Description Descrição		
58	KV05-0104	00-04-10	Bracket		



		Description Descrição Bracket			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 59
Item.	Description		Order no.	Qty	S	Notes		
1	Plate	Placa	A26086.0100	1				
2	Bracket	Prateleira	A26083.0100	1				
3	Screw	Parafuso	3062	3				
4	Washer	Anilha	922904.0001	2				
5	Strip	Faixa	922084.0008	x				
6	Nut	Porca	920076.002	1				
7	Nut	Porca	3049	3				
8	Pin	Pin	923526.0005	1				
9	Screw	Parafuso	A28073.0100	1				

x)Order as required (min. delivery length 1 m).

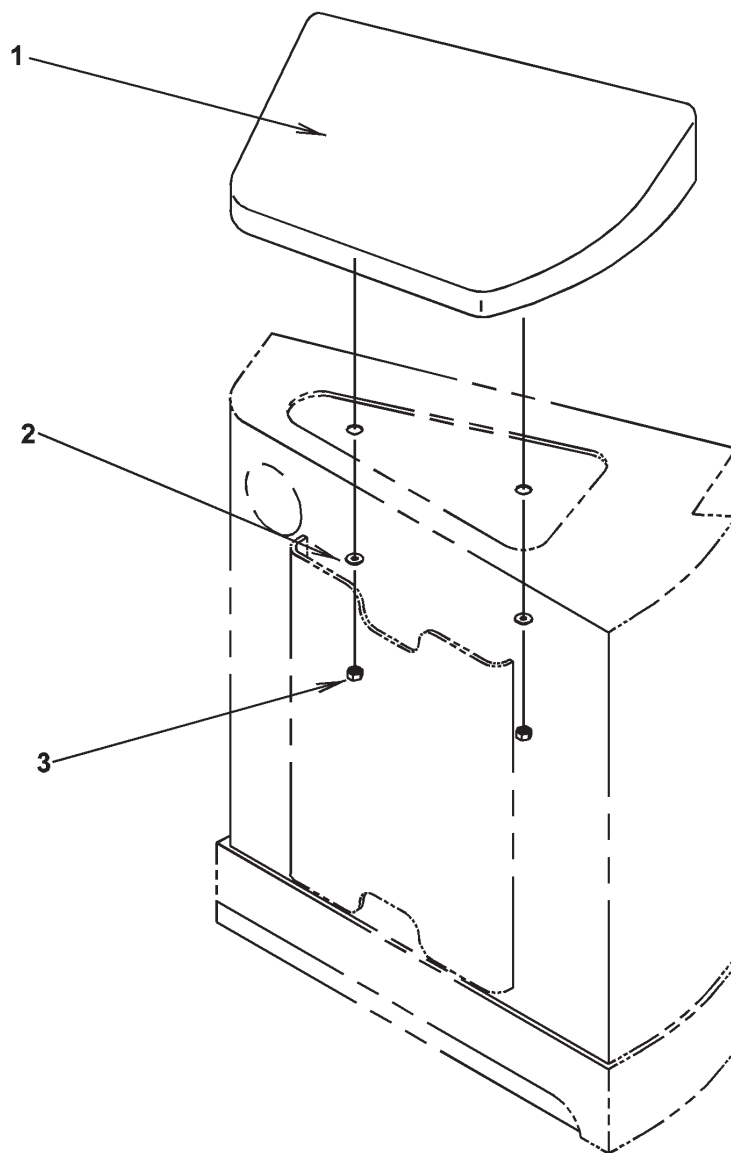
x)



			Description Descrição Upholstery		☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 61
Item.	Description		Order no.	Qty	S	Notes		
1	Instrument panel	Painel de instrumentos	A26152.0100	1				
2	Washer	Anilha	923550.0003	4				
3	Screw	Parafuso	920371.010	4				
4	Housing	Caixa	A26671.0100	1				
5	Screw	Parafuso	920749.0001	1				
6	Washer	Anilha	923550.0003	4				
7	Screw	Parafuso	920371.010	4				
8	Instrument panel	Painel de instrumentos	A26672.0100	1				
9	Screw	Parafuso	920749.0001	2				
10	Strip	Faixa	A26144.0100	1				
11	Screw	Parafuso	920371.010	6				
12	Washer	Anilha	923550.0003	6				
13	Strip	Faixa	A26140.0100	1				
14	Screw	Parafuso	920371.010	6				
15	Washer	Anilha	923550.0003	6				
16	Upholstery plate	Placa de forro	A26148.0100	1				
17	Screw	Parafuso	920371.010	3				
18	Strip	Faixa	A26141.0100	1				
19	Washer	Anilha	923550.0003	6				
20	Screw	Parafuso	920371.010	6				
21	Strip	Faixa	A26882.0100	1				
22	Washer	Anilha	923550.0003	6				
23	Screw	Parafuso	920371.010	6				
24	Housing	Caixa	A26145.0100	1				
25	Washer	Anilha	923550.0003	2				
26	Screw	Parafuso	920371.010	2				
27	Housing	Caixa	A26143.0100	1				
28	Screw	Parafuso	920950.0002	1				
29	Screw	Parafuso	920749.0005	1				
30	Housing	Caixa	A26147.0100	1				
31	Clamp	Abraçadeira	923808.0002	2				
32	Lock	Fecho	923808.0001	2				
33	Strip	Faixa	A26140.0100	1				
34	Screw	Parafuso	920371.010	6				
35	Washer	Anilha	923550.0003	6				
36	Strip	Faixa	A26881.0100	1				
37	Screw	Parafuso	920371.010	6				
38	Washer	Anilha	923550.0003	6				
39	Upholstery plate	Placa de forro	A26880.0100	1				
40	Screw	Parafuso	920371.010	3				
41	Hose	Tubo	923301.0018	x				
42	Housing	Caixa	A26149.0100	2				
43	Housing	Caixa	A26153.0100	1				

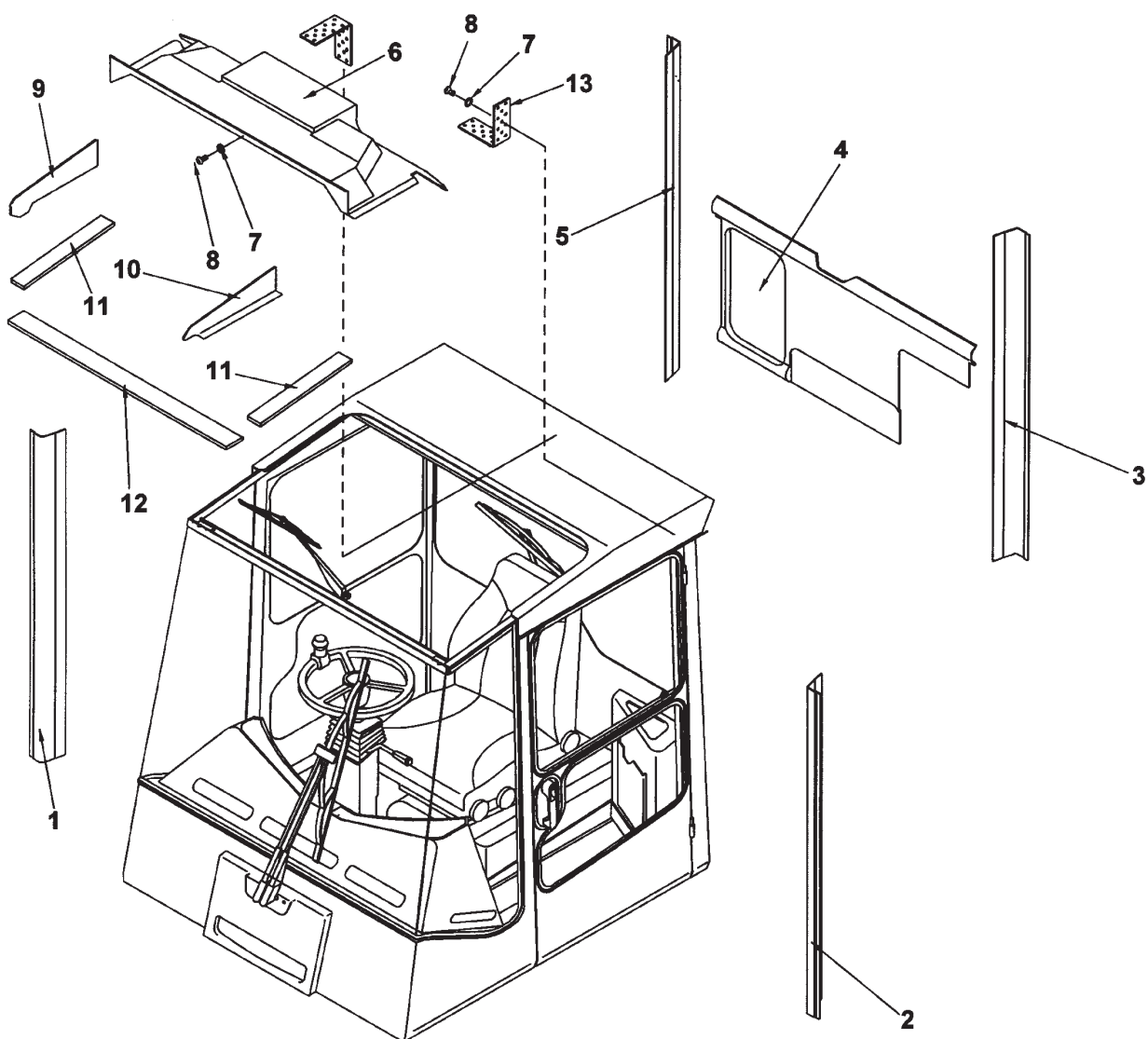
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Page Página	Module Módulo	Date Data	Description Descrição		
62	KV05-0104	00-04-11	Auxiliaryseat		



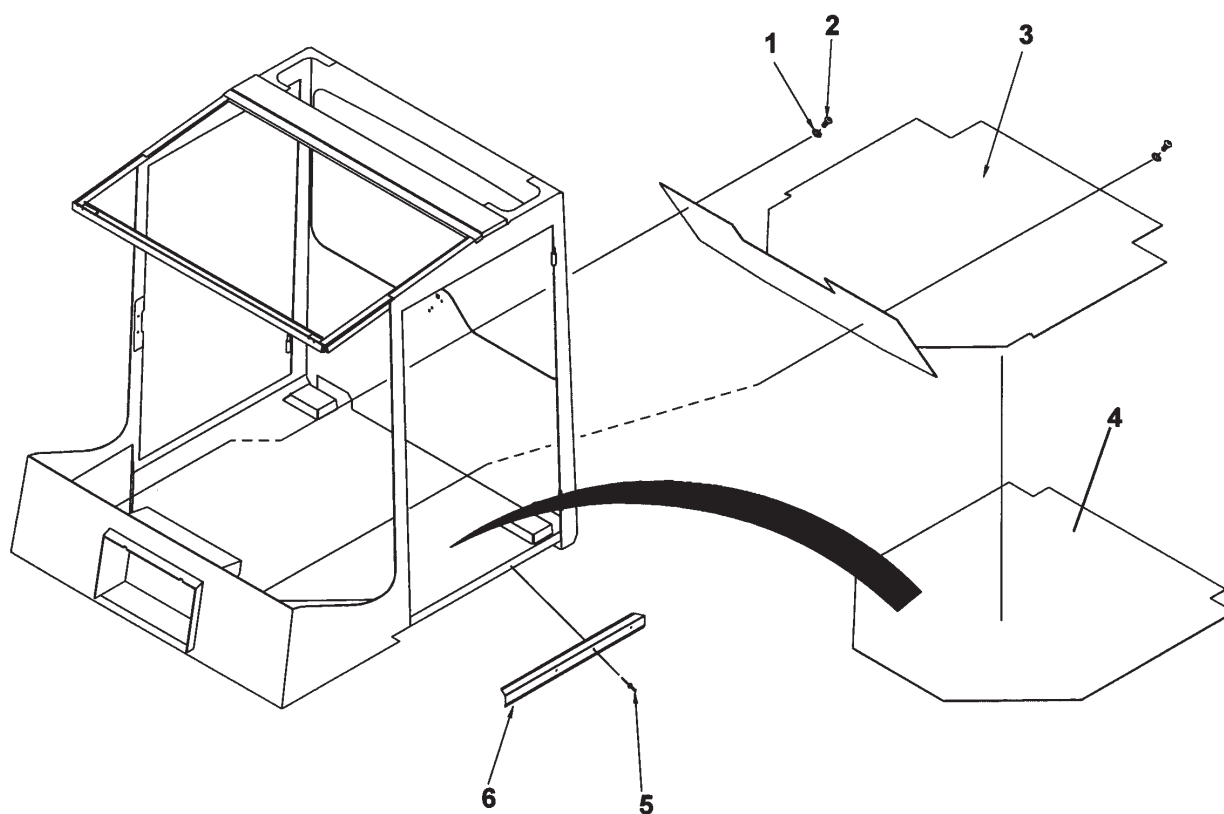
		Description Descrição Auxiliaryseat			☐	Date Data 00-04-11	Module Módulo KV05-0104	Page Página 63
Item.	Description		Order no.	Qty	S	Notes		
1	Seat	Cadeira	A28015.0100	1				
2	Washer	Anilha	922904.0001	2				
3	Screw	Parafuso	920076.002	2				

Page Página	Module Módulo	Date Data	Description Descrição		
64	KV05-0104	00-04-10	Upholstery		



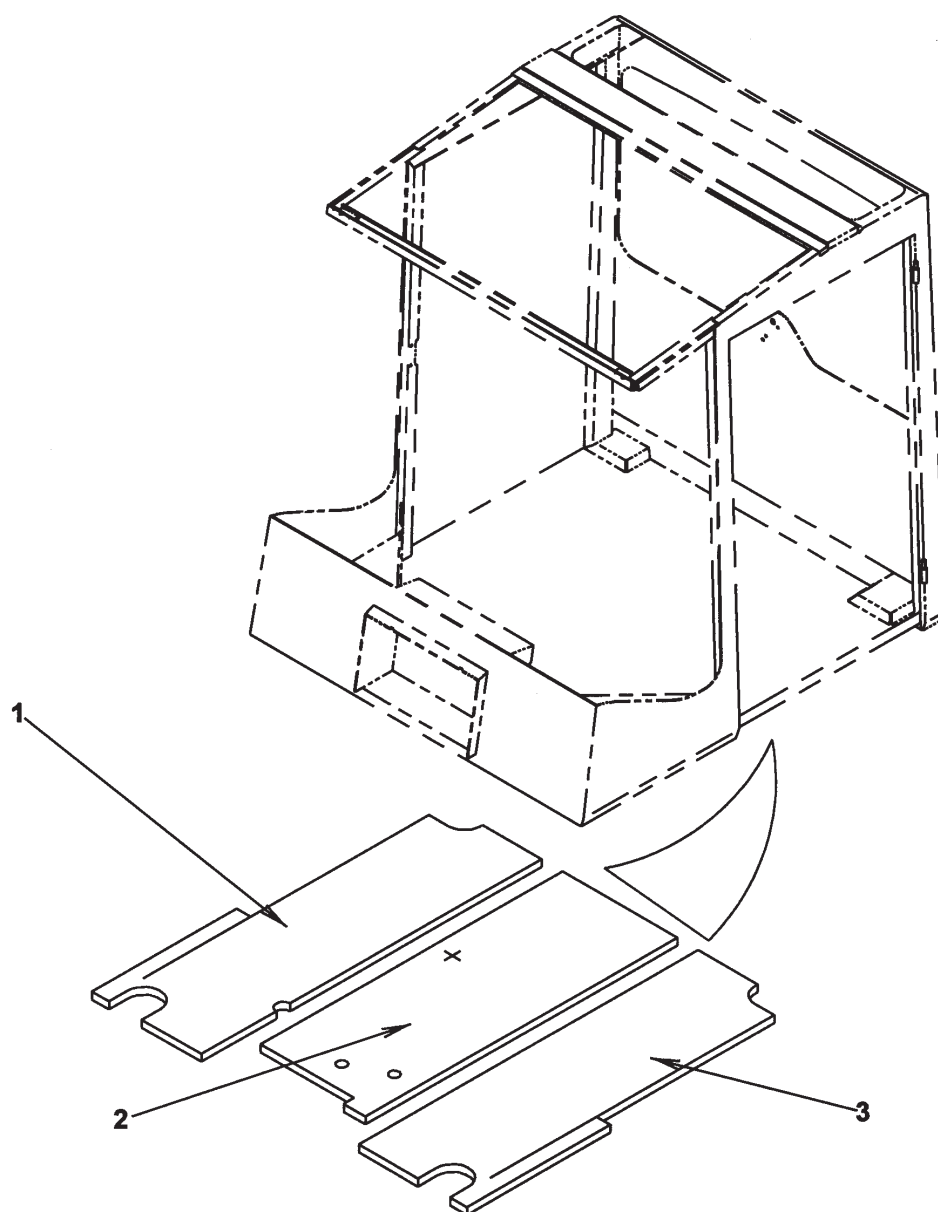
		Description Descrição Upholstery			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 65
Item.	Description		Order no.	Qty	S	Notes		
1	Strip,RH	Faixa, direita	A26589.0100	1				
2	Strip,LH	Faixa, esquerda	A26590.0100	1				
3	Strip,LH	Faixa, esquerda	A26815.0100	1				
4	Upholstery plate	Placa de forro	A26150.0100	1				
5	Strip,RH	Faixa, direita	A26579.0100	1				
6	Roof	Tecto	A26151.0100	1				
7	Washer	Anilha	923550.0003	14				
8	Screw	Parafuso	920371.01	14				
9	Strip,RH	Faixa, direita	A26574.0100	1				
10	Strip,LH	Faixa, esquerda	A26575.0100	1				
11	Strip	Faixa	A26595.0200	2				
12	Strip	Faixa	A26595.0100	1				

Page Página	Module Módulo	Date Data	Description Descrição	☐	
66	KV05-0104	00-04-10	Upholstery		



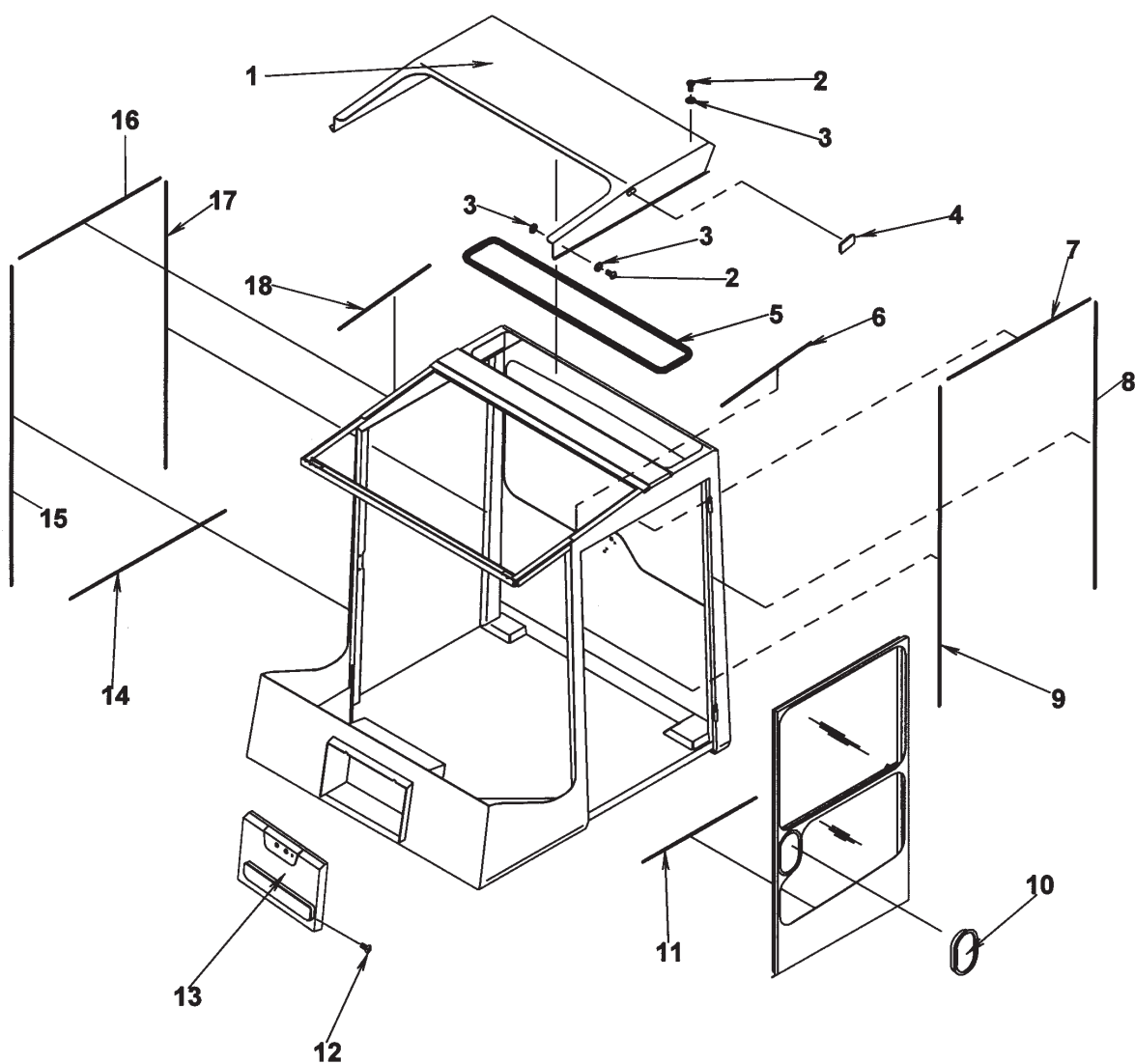
		Description Descrição Upholstery			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 67
Item.	Description		Order no.	Qty	S	Notes		
1	Washer	Anilha	923550.0003	6				
2	Screw	Parafuso	920371.010	6				
3	Floormat	Tapete	A26577.0100	1				
4	Insulator	Isolador	A26578.0100	1				
5	Rivet	Rebite	920926.0002	8				
6	Strip	Faixa	A26287.0100	2				

Page Página	Module Módulo	Date Data	Description Descrição		
68	KV05-0104	00-04-10	Upholstery		



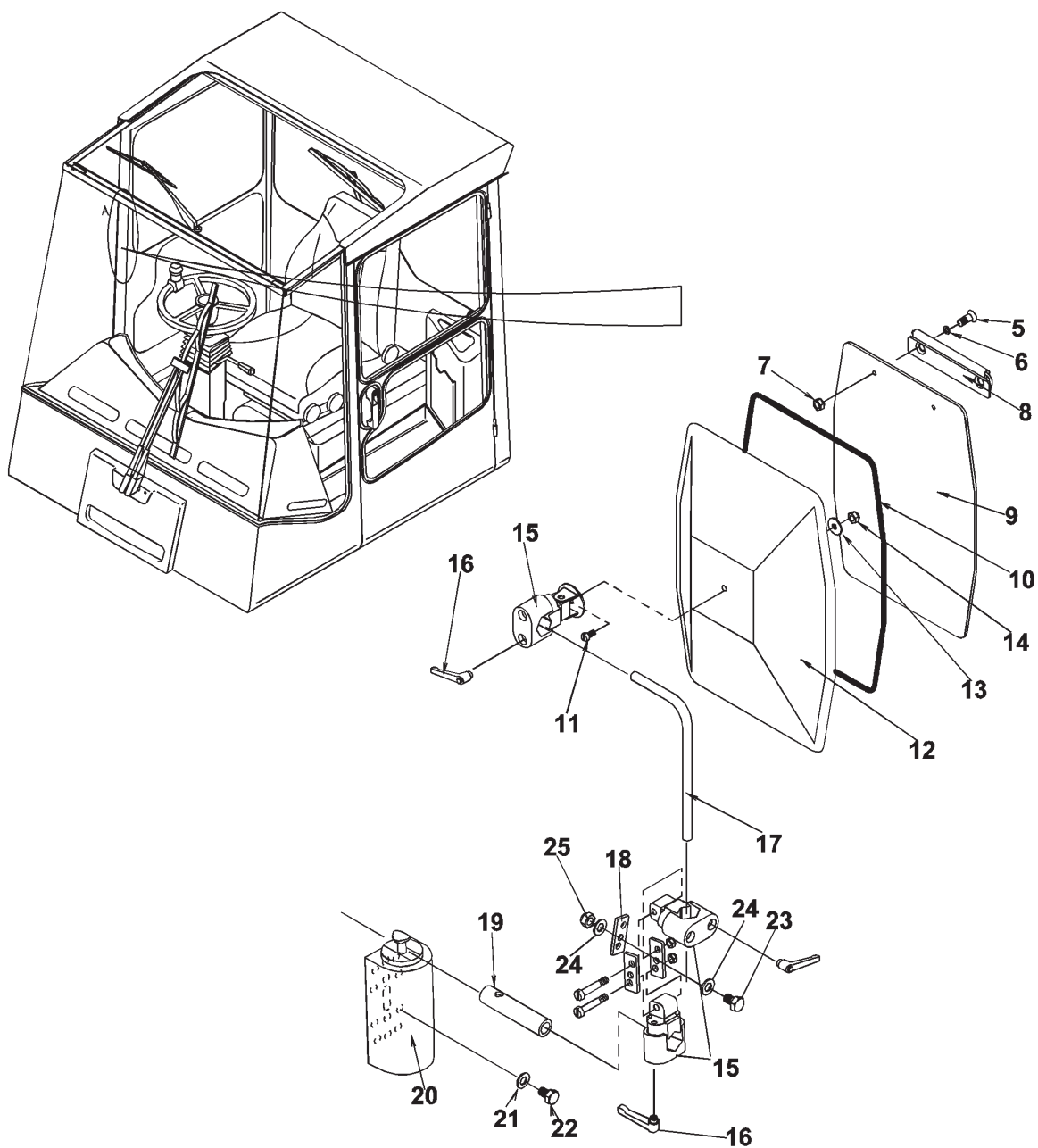
		Description Descrição Upholstery			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 69
Item.	Description		Order no.	Qty	S	Notes		
1	Insulator	Isolador	A26914.0100	1				
2	Insulator	Isolador	A26913.0100	1				
3	Insulator	Isolador	A26915.0100	1				

Page Página	Module Módulo	Date Data	Description Descrição	☐	
70	KV05-0104	00-04-10	Upholstery		

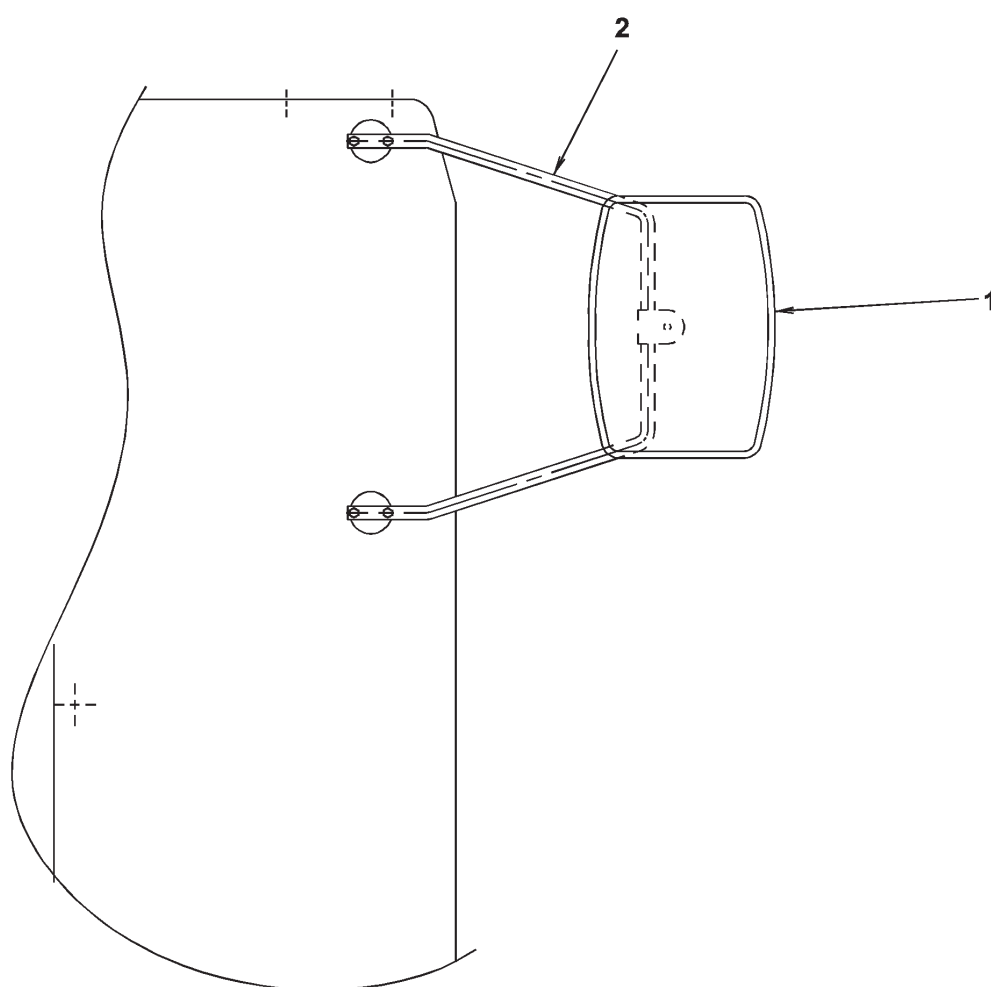


			Description Descrição Upholstery		☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 71
Item.	Description		Order no.	Qty	S	Notes		
1	Roof	Tecto	A24523.0100	1				
2	Screw	Parafuso	920042.003	4				
3	Washer	Anilha	98150	6				
4	Plate	Placa	A26863.0100	2				
5	Strip	Faixa	920946.0007	x		L=3000MM		
6	Strip	Faixa	922084.0008	x		L=450MM		
7	Strip	Faixa	920946.0012	x		L=900MM		
8	Strip	Faixa	920946.0012	x		L=1550MM		
9	Strip	Faixa	920946.0012	x		L=1550MM		
10	Cover	Tampa	A26149.0100	2				
11	Strip	Faixa	920946.0012	x		L=850MM		
12	Screw	Parafuso	920719.0001	4				
13	Cover	Tampa	A26142.0100	1				
14	Strip	Faixa	920946.0012	x		L=850MM		
15	Strip	Faixa	920946.0012	x		L=1550MM		
16	Strip	Faixa	920946.0012	x		L=900MM		
17	Strip	Faixa	920946.0012	x		L=1550MM		
18	Strip	Faixa	922084.0008	x		L=450MM		

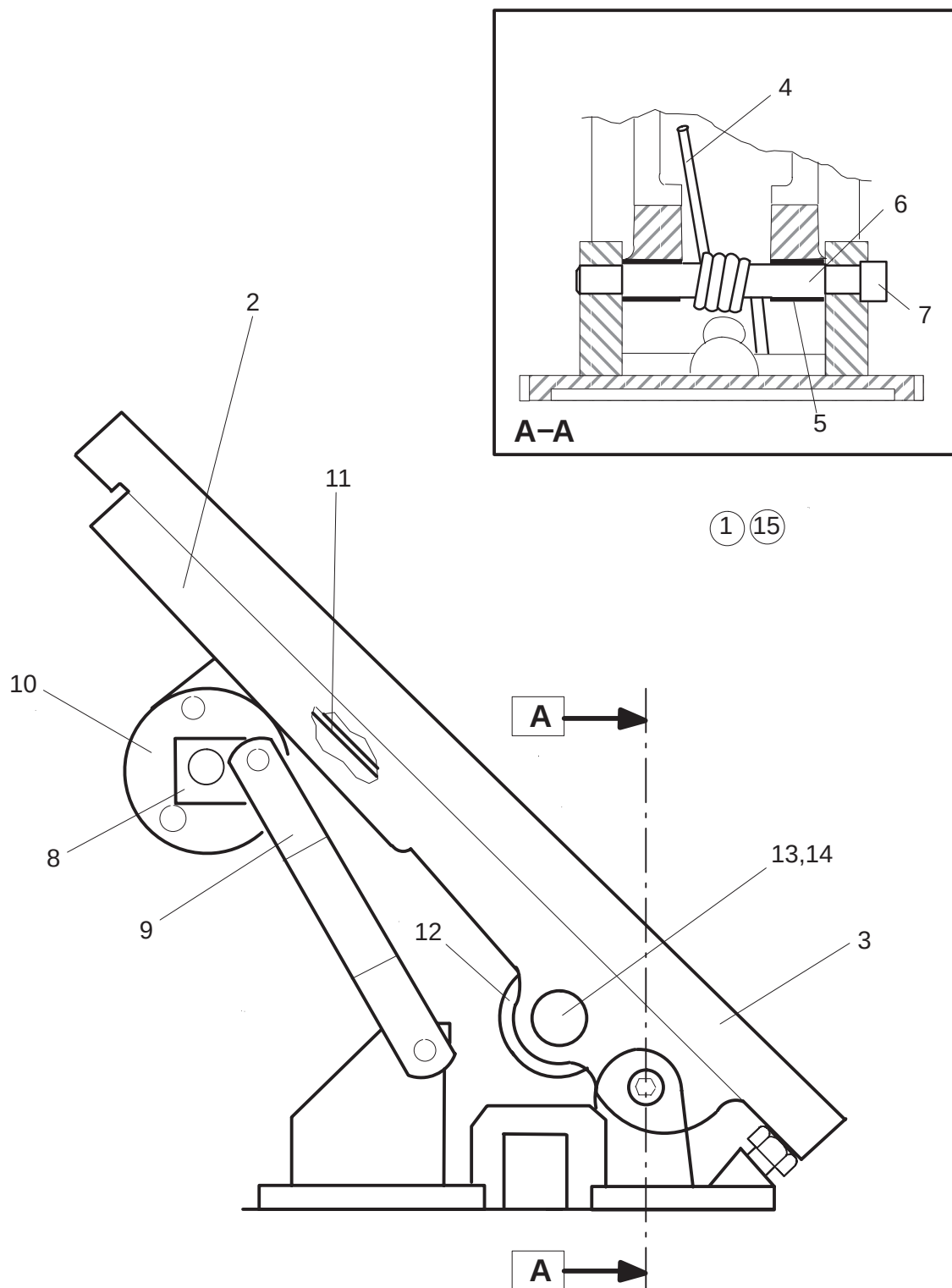
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			☐		Date Data	Module Módulo	Page Página
Description Descrição					00-04-11	KV05-0104	73
Mirrow							
Item.	Description		Order no.	Qty	S	Notes	
5	Screw	Parafuso	A27814.0100	2			
6	Washer	Anilha	A27819.0100	2			
7	Nut	Porca	920076.014	1			
8	Fastener	Ligador	A28850.0100	1			
9	Mirror	Espelho	A28850.0100	1			
10	Frame	???	921702.0014	1			
11	Screw	Parafuso	920099.024	1			
12	Plate	Placa	921702.0013	1			
13	Washer	Anilha	922904.0001	1			
14	Nut	Porca	920076.002	1			
15	Fastener	Ligador	922159.0009	3			
16	Lever	Alavanca	921060.0006	3			
17	Arm	Braço	922155.0008	1			
18	Plate	Placa	A28848.0100	3			
19	Tube	Tubo	A28849.0100	1			
20	Bracket	Prateleira	923824.0003	1			
21	Washer	Anilha	920098.025	3			
22	Screw	Parafuso	920099.027	3			
23	Screw	Parafuso	920099.064	1			
24	Washer	Anilha	98151	2			
25	Nut	Porca	920076.002	1			

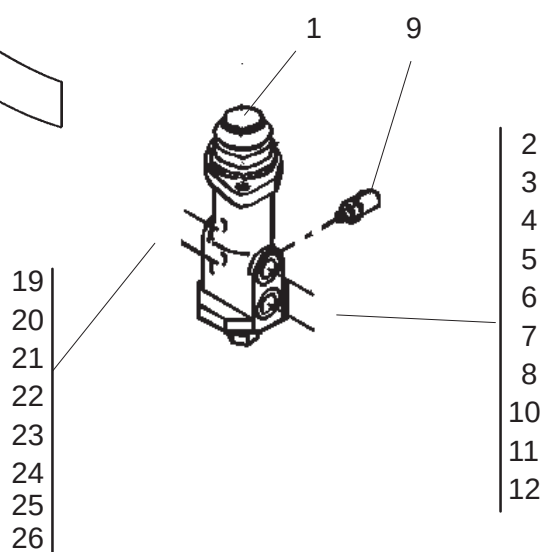
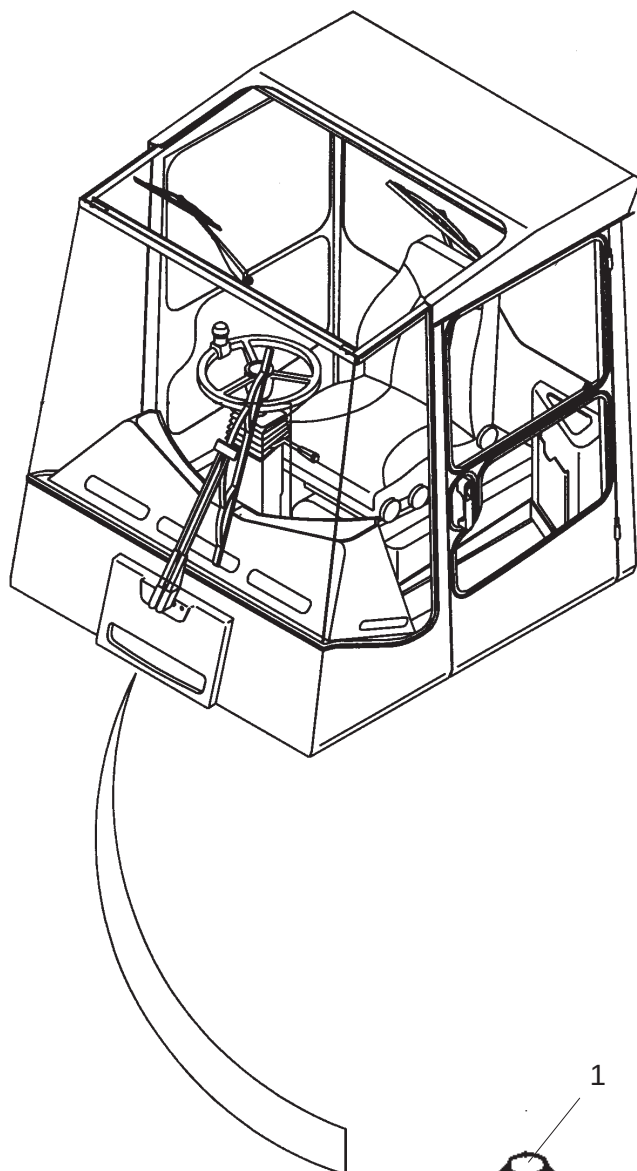


		Description Descrição Mirror			☐	Date Data 00-04-11	Module Módulo KV05-0104	Page Página 75
Item.	Description		Order no.	Qty	S	Notes		
1	Mirror	Espelho	921702.0002	2				
2	Bracket	Prateleira	5597	2				



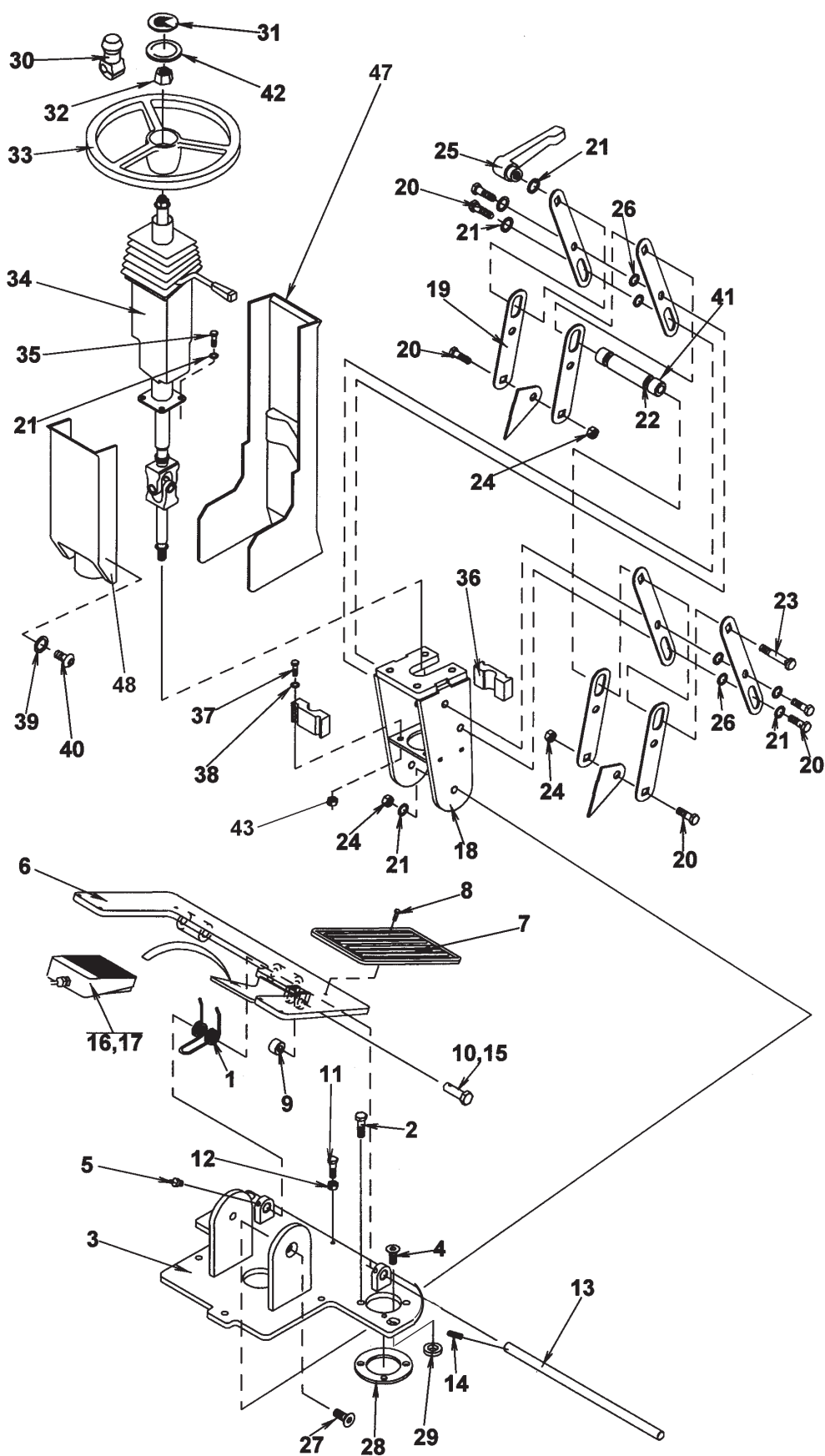
		Description Descrição Accelerator Pedal			☐	Date Data 98-02-05	Module Módulo KV05-0104	Page Página 77
Item.	Description		Order no.	Qty	S	Notes		
1	Pedal,compl.	Pedal	65267361	1		RMH	45 878345-018	
2	Pedal	Pedal	806817766	1		RMH	8788519	
3	Rubber plate	Prato de borracha	806817767	1		RMH	872105	
4	Spring	Mola	806817768	1		RMH	74059	
5	Bearing	Rolamento	806817769	2		RMH	67020	
6	Pin	Pin	806817770	1		RMH	57023	
7	Screw	Parafuso	806817771	1		RMH	50098	
8	Lever	Alavanca	806817772	1		RMH	878502	
9	Lever	Alavanca	806817773	1		RMH	100013	
10	Potentiometer	Potenciómetro	806817774	1		RMH	878551	
11	Pattern card	Placa modelo	806817775	1		RMH	78079	
12	Roller	Roleta	806817776	1		RMH	872106	
13	Shaft	Eixo	806817777	1		RMH	57025	
14	Circlip	Freio	806817778	2		RMH	58010	
15	Wiring set	Conjunto instalação elect.	65267362	1		ELECT	HARNESS 061234-025	

Page Página	Module Módulo	Date Data	Description Descrição		
78	KV05-0104	00-12-29	Brake valve, mount.		



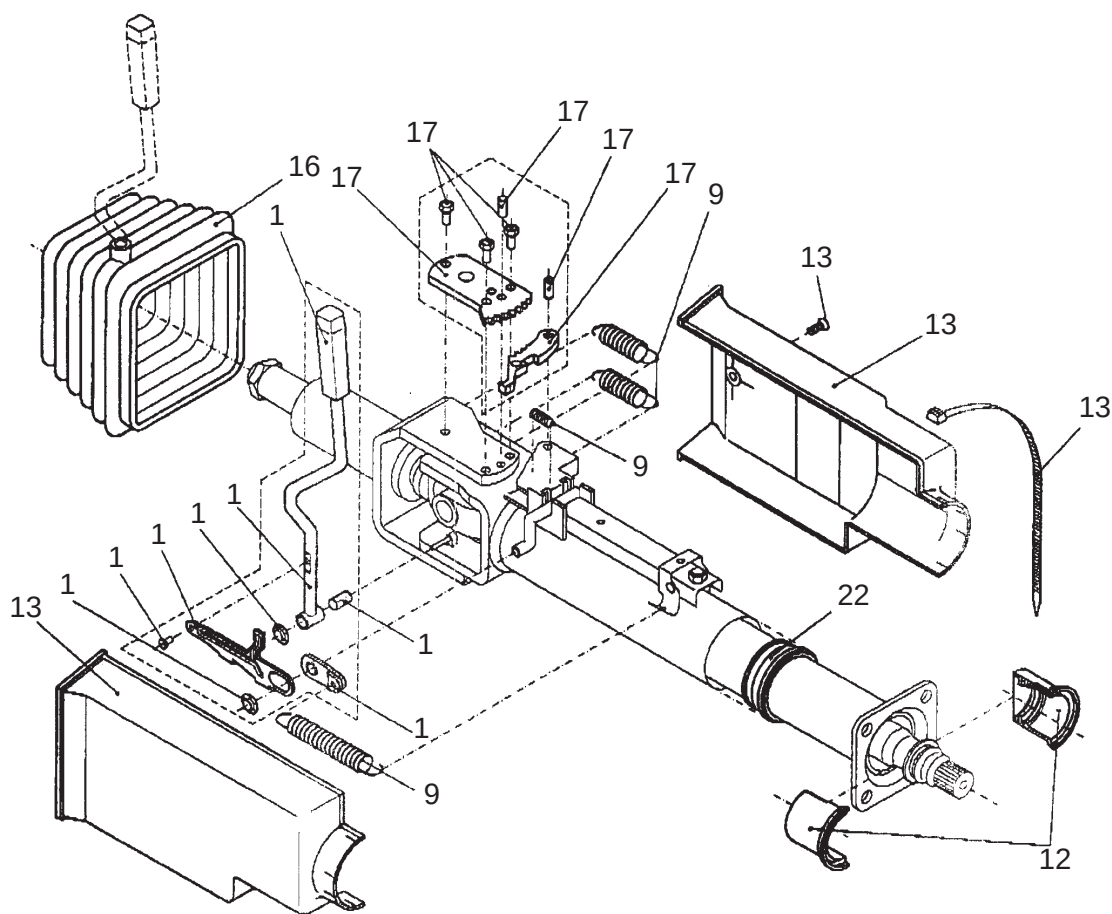
			☐		Date Data	Module Módulo	Page Página
Description Descrição Brake valve, mount.					00-12-29	KV05-0104	79
Item.	Description		Order no.	Qty	S	Notes	
1	Pedal valve	Válvula do pedal	802705426	1		MICO	20-100-665/TS
2	Washer	Anilha	50012080	2		DIN125	8,4
3	Screw	Parafuso	53065140	2		SMS1943	UNC 5/6X25
4	Connection	União	643485144	4		PARKER	KUL C50XS10-9/16
5	Connection	União	64308006	2		VLS54100	3-9/16-18UNF
6	Connection	União	643485101	1		PARKER	LS 6RXS
7	Measuring connector		64348521	1		PARKER	6TT4MXS
	Ligação para manómetros						
8	Gasket	Junta	61588140	1		DIN 7603	A 14X1 CU
9	Pressure switch	Interruptor de pressão	65238761	1			169-41903-1 90BAR
10	Branch tee	União	64345910	1		VLS62035	10JIC/9/16-18
11	Connection	União	64345710	2		VLS62033	10JIC/9/16-18
12	Connection	União	643065062	1		VLS62038	16/10JIC
19	Hose	Tubo	VL05400005	2			
20	Hose	Tubo	VL05402980	1			
21	Hose	Tubo	VL05400057	1			
22	Hose	Tubo	VL05400057	1			
23	Hose	Tubo	VL05400056	1			
24	Hose	Tubo	VL05400056	1			
25	Sleeve	Casquilho	M5511120	1			halk. 26mm
26	Sleeve	Casquilho	XA10676.0100	1			

Page Página	Module Módulo	Date Data	Description Descrição	
80	KV05-0104	00-03-23	Steer. column, Brake pedal	



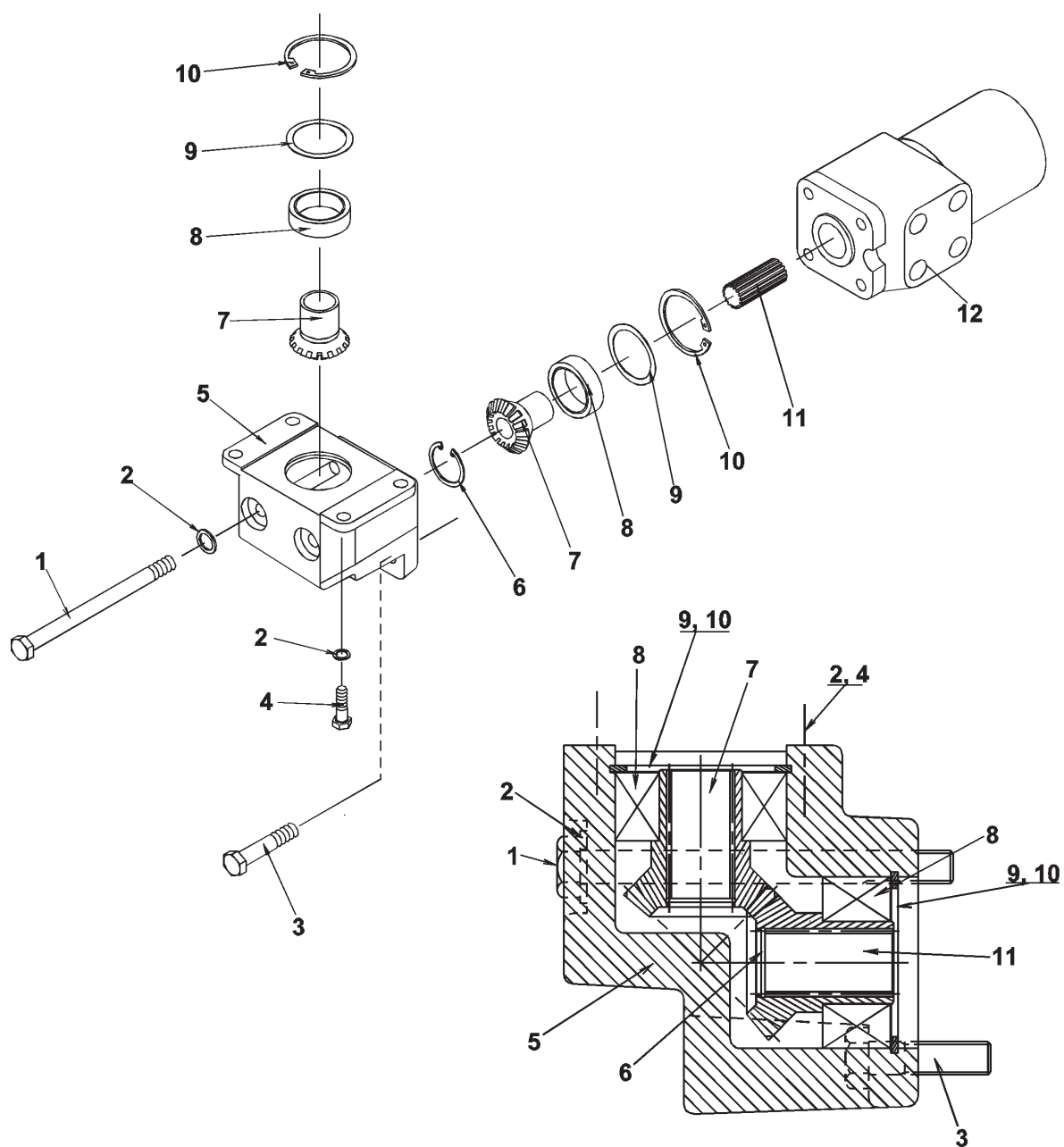
			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Steer. column, Brake pedal			00-03-23	KV05-0104	81
Item.	Description		Order no.	Qty	S	Notes		
1	Spring	Mola	A08460.0200	1				
2	Screw	Parafuso	920099.061	4				
3	Plate	Placa	A24642.0200	1				
4	Screw	Parafuso	920099.027	2				
5	Grease fitting	Bico de lubrificação	921068.0001	2				
6	Plate	Placa	A11729.0300	1				
7	Pedal	Pedal	A11126.0100	2				
8	Screw	Parafuso	920749.0002	6				
9	Sleeve	Casquilho	A10676.0100	1				
10	Bolt	Perno	920539.0004	2				
11	Screw	Parafuso	920099.024	2				
12	Nut	Porca	3051	2				
13	Shaft	Eixo	427033.0100	1				
14	Screw	Parafuso	920069.020	2				
15	Pin	Pino	95013	2				
16	Switch, dragdecoupl.	Comutador, desligar	923466.0002	1				
17	Screw	Parafuso	920749.0002	2				
18	Support	Suporte	A24641.0100	1				
19	Plate	Placa	A24648.0100	8				
20	Screw	Parafuso	920042.003	6				
21	Washer	Anilha	98150	11				
22	Spacing washer	Anilha espaçadora	427032.1100	1				
23	Screw	Parafuso	920802.0005	1				
24	Nut	Porca	5957	4				
25	Lever	Alavanca	921060.0004	1				
26	Washer	Anilha	920098.009	4				
27	Screw	Parafuso	920043.066	2				
28	Spacing washer	Anilha espaçadora	427032.1100	1				
29	Spring washer	Anilha dne mola	921401.0001	12				
30	Knob	Punho	922284.0002	1				
31	Plate	Placa	923798.0001	1				
32	Adapter		920207.040	1				
33	Steering wheel	Volante	920207.020	1				
34	Steering column	Coluna de direcção	920207.044	1				
35	Screw	Parafuso	920042.005	4				
36	Bearing	Rolamento	A25775.0100	2				
37	Screw	Parafuso	3073	4				
38	Washer	Anilha	4565	4				
39	Washer	Anilha	923550.0003	6				
40	Screw	Parafuso	920371.010	6				
41	Spacing washer	Anilha espaçadora	427032.0200	2				
42	Shield cover	Tampa de protecção	920207.021	1				
43	Nut	Porca	920076.002	4				

Page Página	Module Módulo	Date Data	Description Descrição		
82	KV05-0104	00-03-23	Steer. column		



		Description Descrição Steer. column	☐		Date Data 00-03-23	Module Módulo KV05-0104	Page Página 83
Item.	Description		Order no.	Qty	S	Notes	
1	Handle	Manete	923764.0304	1			
9	Spring set	Jogo de molas	923764.0305	1			
12	Bearing	Rolamento	923764.0306	1			
13	Cover	Tampa	923764.0307	1			
16	Rubber membrane	Membrana de borracha	923764.0308	1			
17	Lock plate	Freio	923764.0309	1			
22	Sleeve	Casquilho	923764.0310	1			

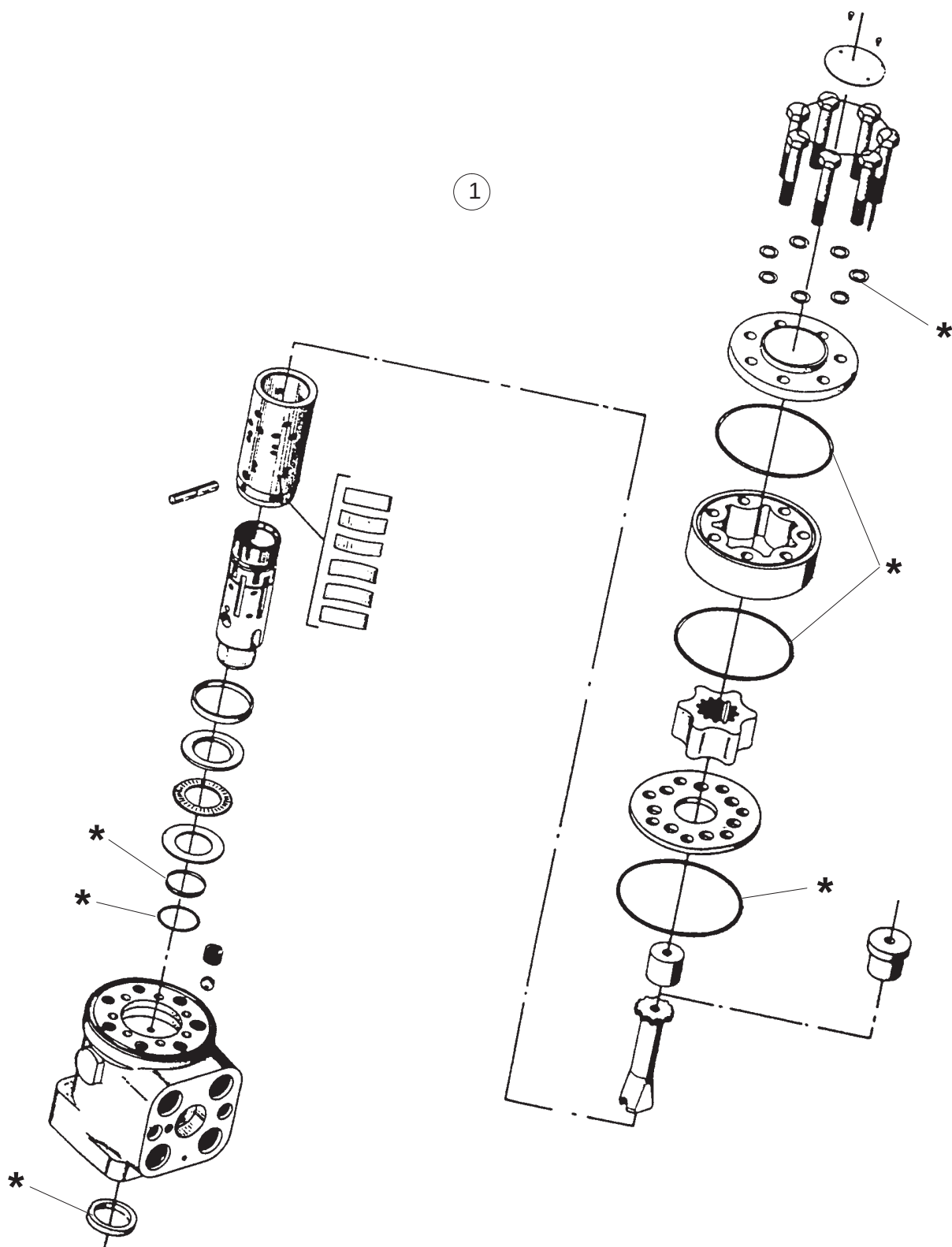
Page Página 84	Module Módulo KV05-0104	Date Data 00-04-10	Description Descrição Angle gear	☐	
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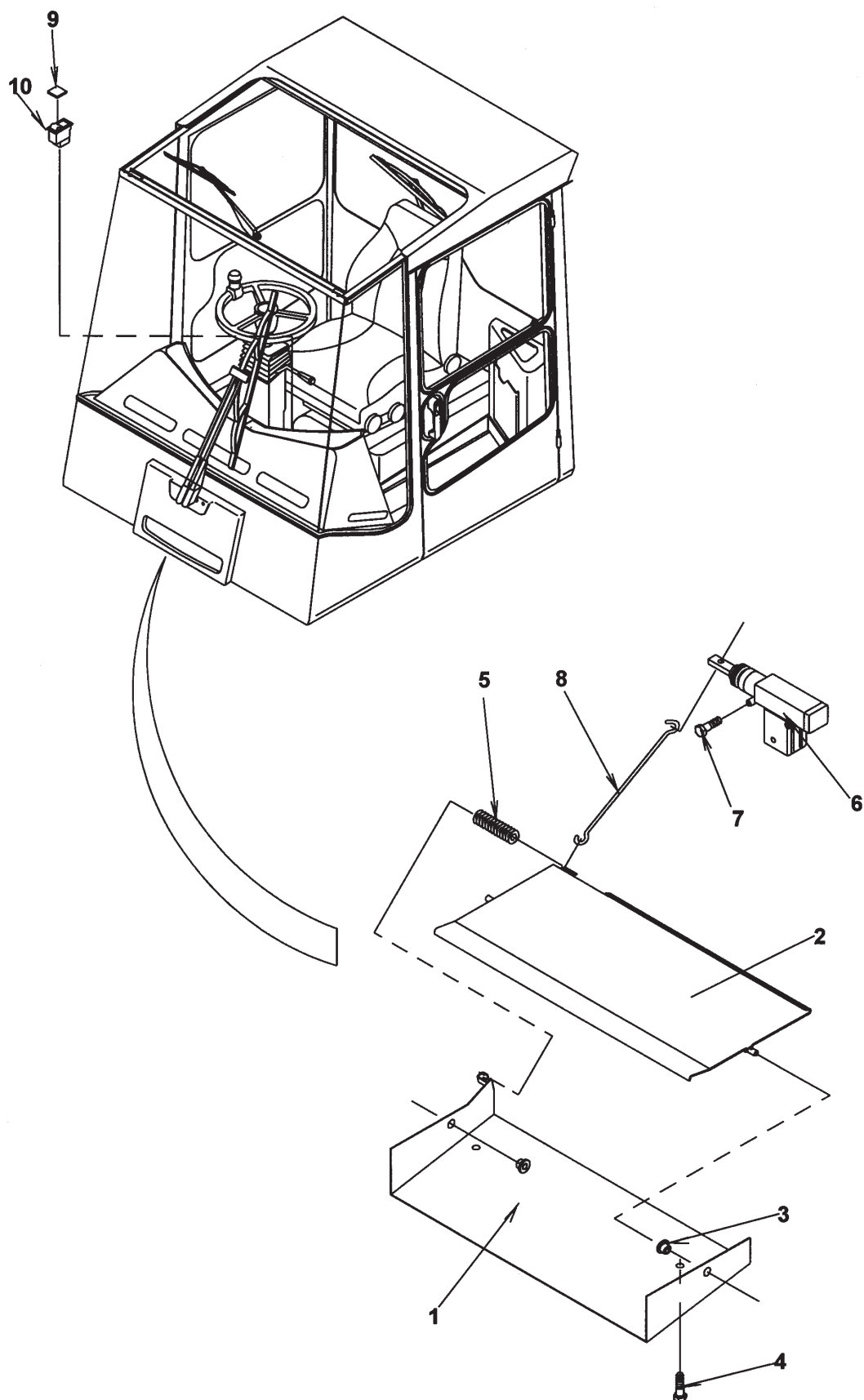
			☐		Date Data	Module Módulo	Page Página
Description Descrição Angle gear					00-04-10	KV05-0104	85
Item.	Description		Order no.	Qty	S	Notes	
1	Screw	Parafuso	920042.020	2			
2	Washer	Anilha	98150	6			
3	Screw	Parafuso	920042.006	2			
4	Screw	Parafuso	920042.006	4			
5	Housing	Caixa	A24461.0200	1			
6	Circlip	Freio	920037.013	1			
7	Gear	Engrenagem	A24824.0100	2			
8	Bearing	Rolamento	920047.010	2			
9	Shim	Anilha	920071.0035	4			
10	Circlip	Freio	921703.0001	2			
11	Pin	Pin	A24825.0100	1			
12	Steering valve see page 87	Valvula direcção					

Page Página 86	Module Módulo KV05-0104	Date Data 95-05-02	Description Descrição Regulat.valve, compl.	☐	
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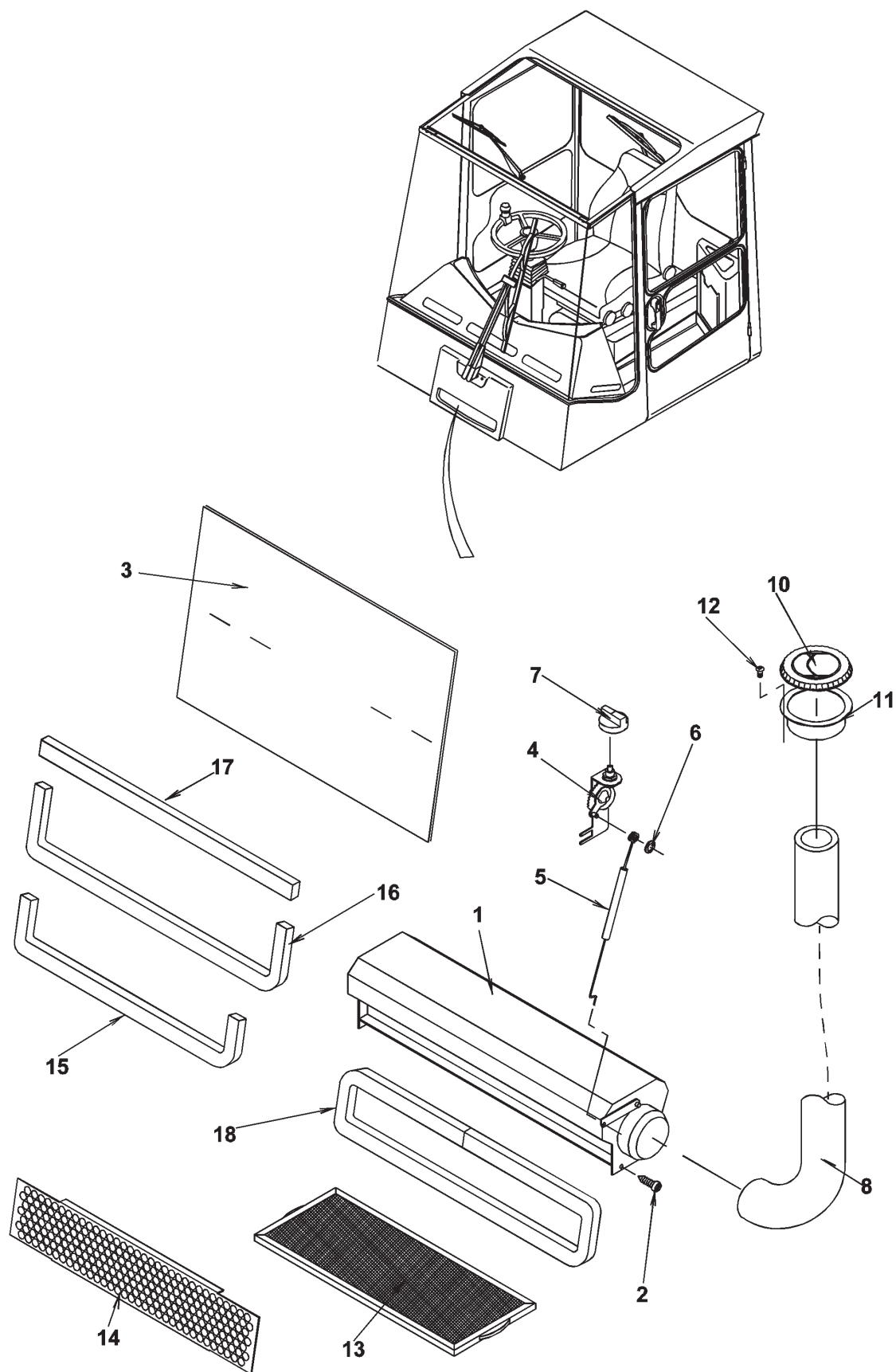
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		Description Descrição Regulat.valve, compl.			☐	Date Data 95-05-02	Module Módulo KV05-0104	Page Página 87
Item.	Description		Order no.	Qty	S	Notes		
1	Valve compl.	Válvula compl.	T1209024H	1		Danfo OSPCX200LS 150G6058(oli OSPBX200LS)		
2	Gasket set	Jogo juntas	804106471	1		Danfo 150-4206		

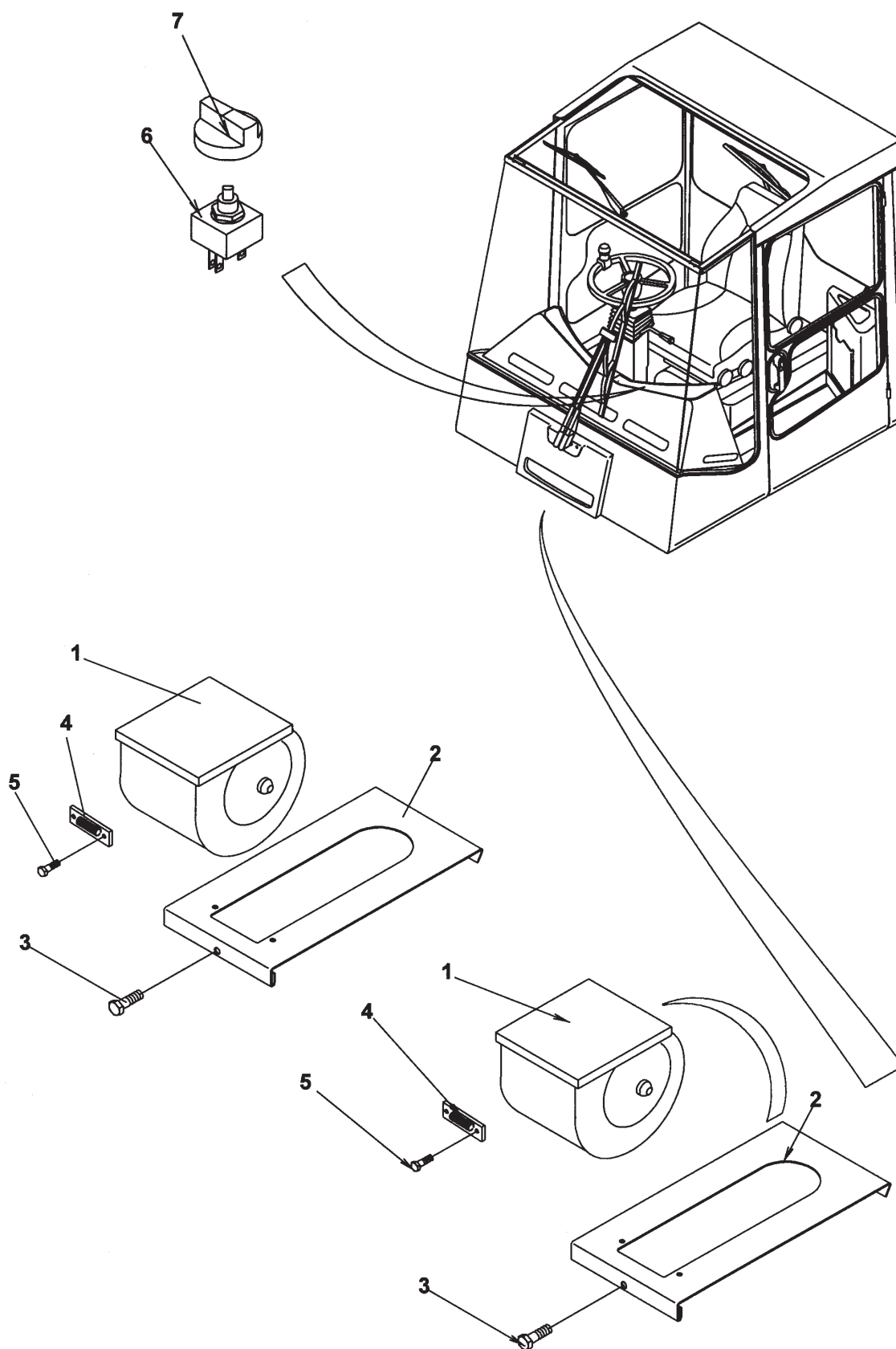


		Description Descrição Conditioning			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 89
Item.	Description		Order no.	Qty	S	Notes		
1	Bracket	Prateleira	A26263.0100	1		12V 24V		
2	Plate	Placa	A26264.0100	1				
3	Bearing	Rolamento	923464.0003	2				
4	Screw	Parafuso	922089.0010	2				
5	Spring	Mola	922904.0001	1				
6	Motor	Motor	923805.0001	1				
6	Motor	Motor	923805.0002	1				
7	Screw	Parafuso	920100.006	2				
8	Lever	Alavanca	A26267.0100	1				
9	Symbol	Simbolo	921418.0080	1				
10	Switch	Interruptor	920971.0009	1				

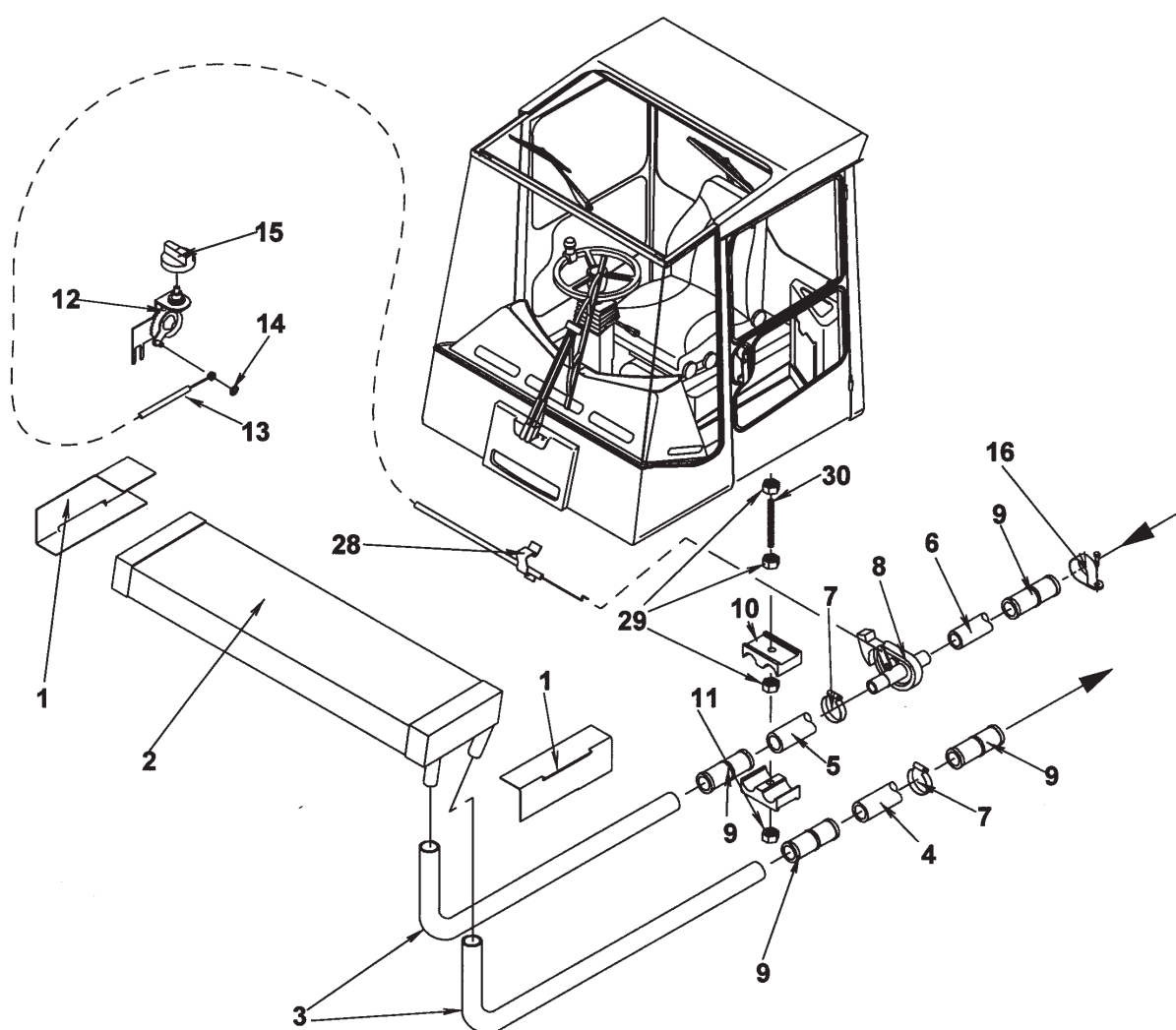


			Description Descrição Conditioning		☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 91
Item.	Description		Order no.	Qty	S	Notes		
1	Housing	Caixa	923804.0100	1		L=1200		
2	Screw	Parafuso	922089.0001	4				
3	Insulator	Isolador	A26262.0100	1				
4	Regulator	Regulador	923803.0001	1				
5	Cable	Cabo	A26563.0100	1				
6	Lock washer	Anilha de freio	923676.0001	1				
7	Knob	Punho	923458.0763	1				
8	Hose	Tubo	920931.0002	x				
10	Air jet	Jacto de ar	920931.0002	2				
11	Fan ring	Anel do ventilador	922789.0008	2				
12	Screw	Parafuso	4578	4				
13	Filter element	Elemento de filtro	A26266.0100	1				
14	Grid	Grelha	A26373.0100	1				
15	Sealing rubber	Vedante borracha	10243.001	x				
16	Sealing rubber	Vedante borracha	10243.001	x				
17	Sealing rubber	Vedante borracha	10243.001	x				
18	Sealing rubber	Vedante borracha	10243.001	x				

x)Order as required (min. delivery length 1 m).
x)



		Description Descrição Conditioning			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 93
Item.	Description		Order no.	Qty	S	Notes		
1	Fan	Ventoinha	923436.0343	2				
2	Clamp	Abraçadeira	A26261.0100	2				
3	Screw	Parafuso	922089.0010	2				
4	Resistance unit	Unidade de resistencia	920882.0002	2				
5	Screw	Parafuso	922089.0001	4				
6	Switch	Interruptor	920437.004	1				
8	Knob	Punho	923458.0763	1				

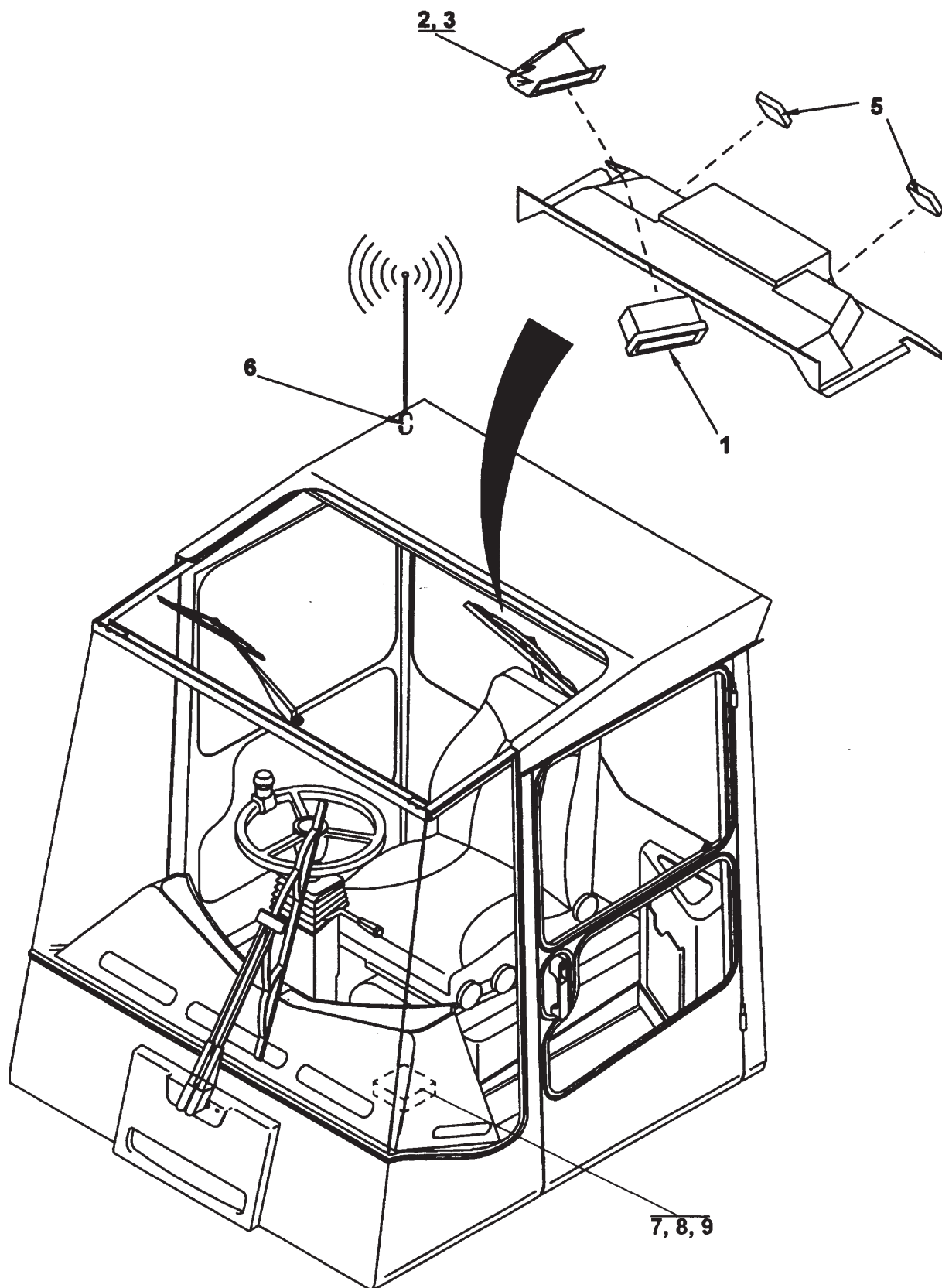


			☐		Date Data	Module Módulo	Page Página
Description Descrição Heater					00-04-12	KV05-0104	95
Item.	Description		Order no.	Qty	S	Notes	
1	Mounting plate	Prato de suporte	A26569.0100	2			
2	Cell	Elemento	923691.0004	1			
*2	Cell	Elemento	923691.0007	1			
3	Hose	Tubo	920897.0011	2			
4	Hose	Tubo	407480.0600	1			
5	Hose	Tubo	407480.2000	1			
6	Hose	Tubo	407480.2100	1			
7	Hose clip	Abraçadeira	3246	6			
8	Valve	Valvula	922264.0003	1			
9	Connection	União	922496.0003	4			
10	Fastener	Ligador	352670.0500	1			
11	Nut	Porca	920076.003	1			
12	Regulator	Regulador	923803.0002	1			
13	Cable	Cabo	A26565.0100	1			
14	Lock washer	Anilha de freio	923676.0001	1			
15	Knob	Punho	923458.0763	1			
16	Fastener	Ligador	920125.010	1			
28	Fastener	Ligador	9210055.0002	1			
29	Nut	Porca	3052	3			
30	Rod	Veio	422914.0100	1			

*) Used only with air conditioning

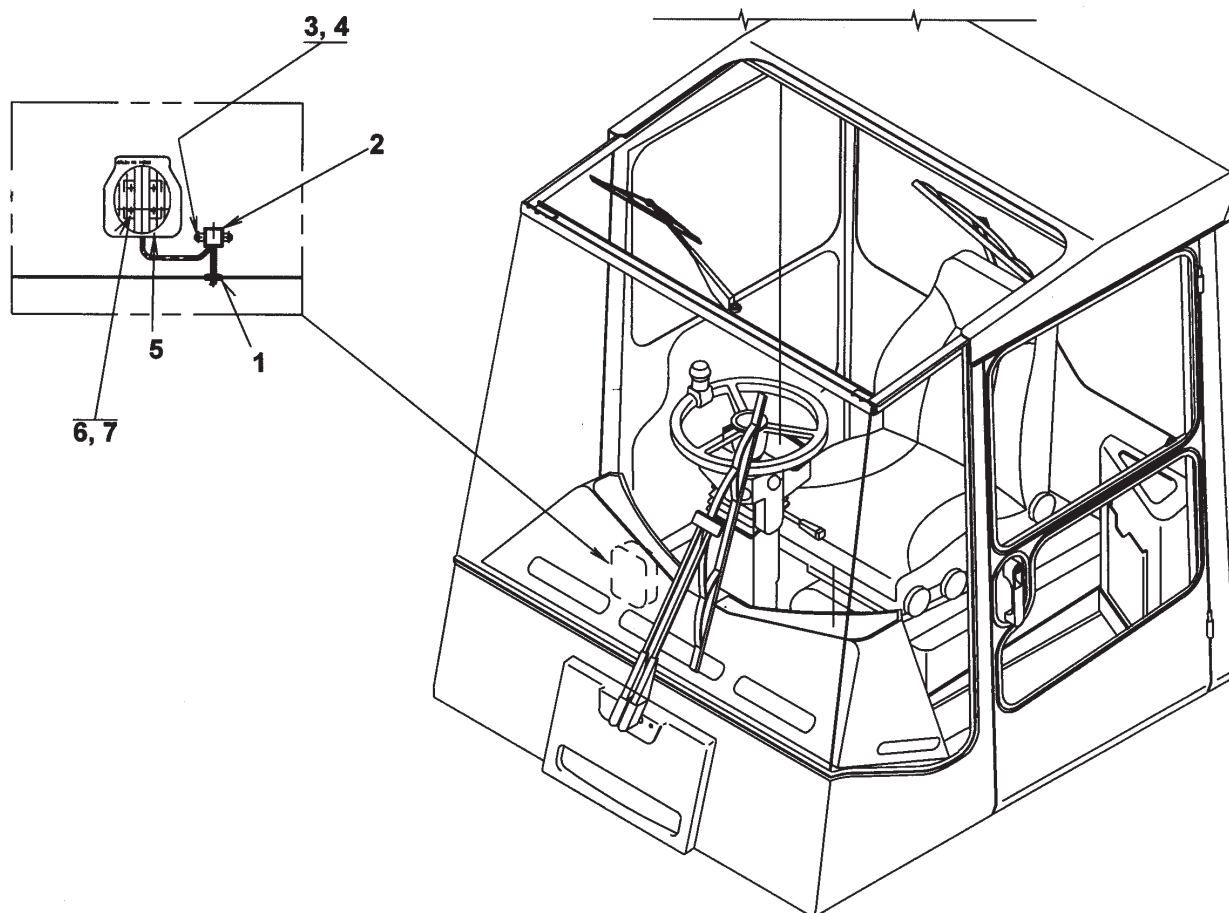
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Page Página	Module Módulo	Date Data	Description Descrição	☐	
96	KV05-0104	00-04-10	Radio		



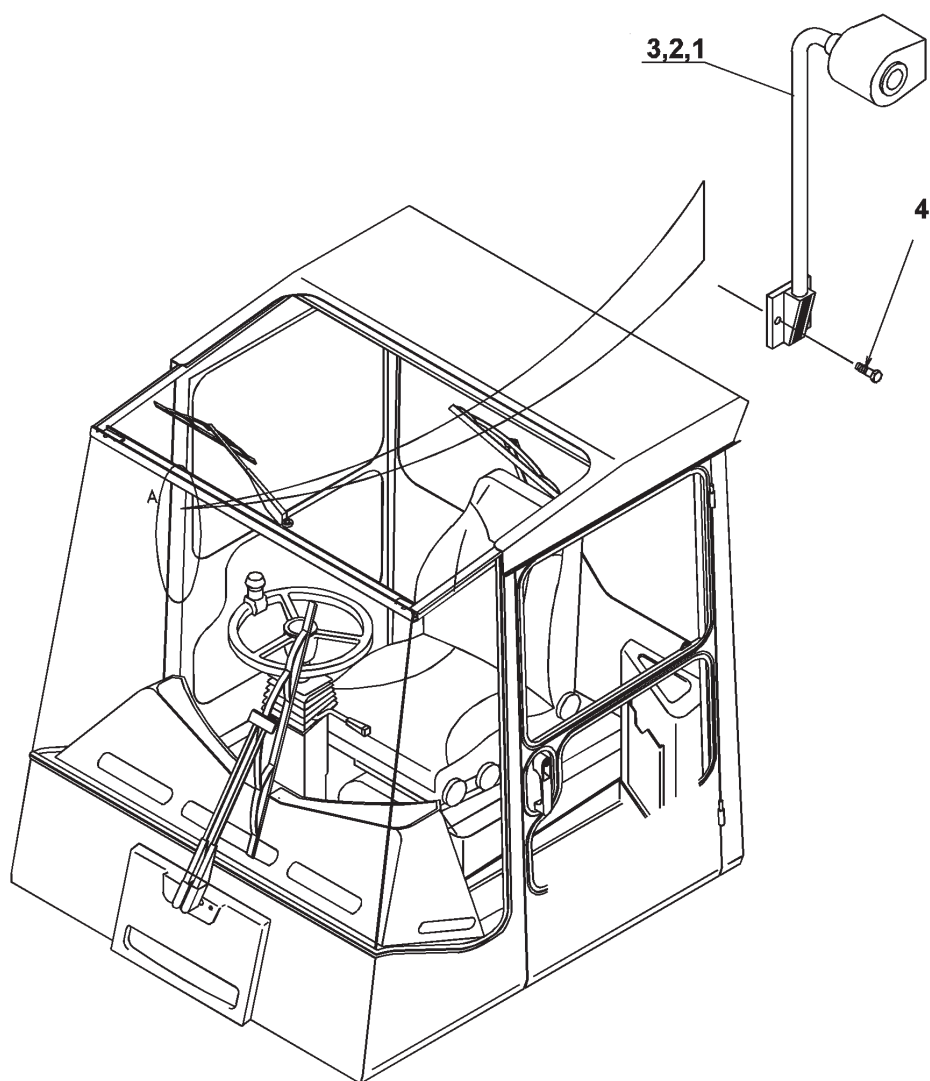
		Description Descrição Radio	☐		Date Data 00-04-10	Module Módulo KV05-0104	Page Página 97
Item.	Description		Order no.	Qty	S	Notes	
1	Radio	Radio	920167.005	1			
2	Support	Suporte	A27765.0100	1			
3	Screw	Parafuso	922089.0010	2			
5	Loud speaker	Altifalante	920168.003	2			
6	Antenna	Antena	806816919	1		Bensi	2114 (M2304059H)
7	Voltage reducer	Redutor de voltagem	65266120	1		Scanf	SE8 24V/12V 8A
8	Rubber mounting	Suporte de borracha	A27812.0100	4			
9	Screw	Parafuso	A27814.0100	4			

Page Página	Module Módulo	Date Data	Description Descrição	☐	
98	KV05-0104	00-04-10	Heater		



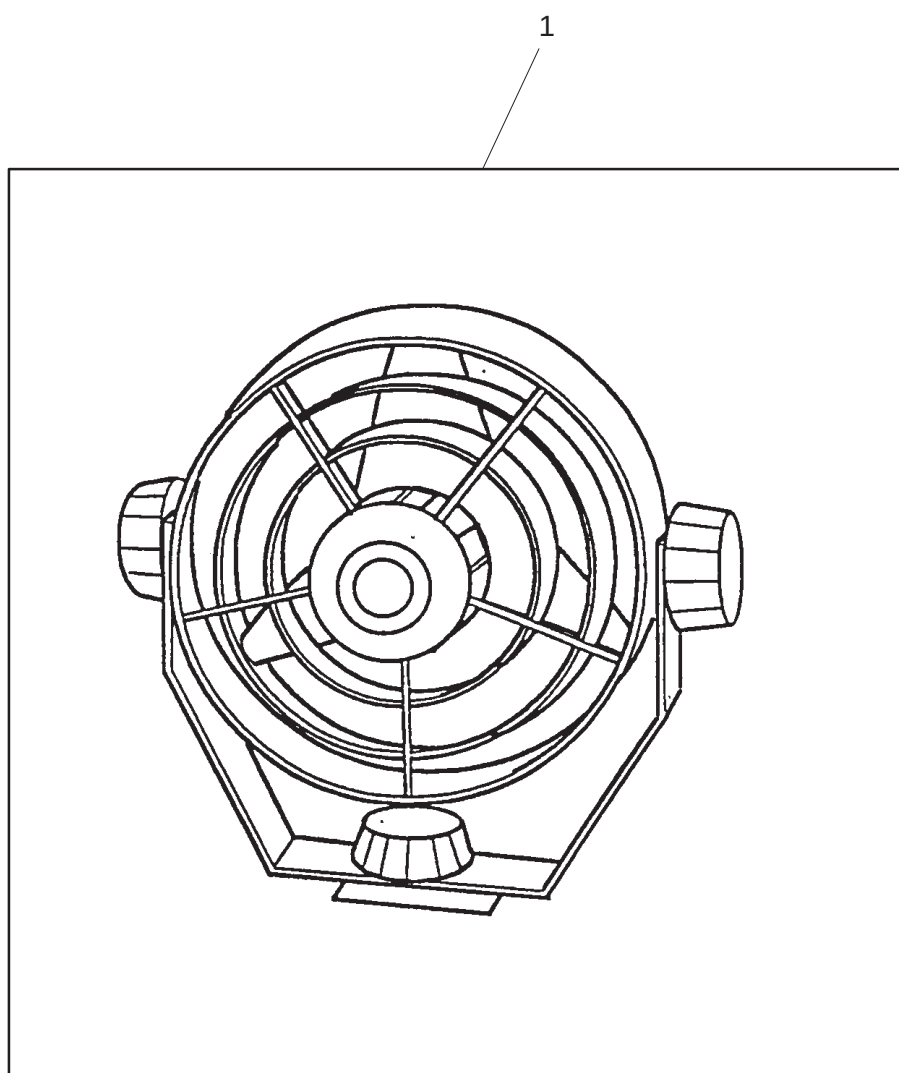
		Description Descrição Heater			☐	Date Data 00-04-10	Module Módulo KV05-0104	Page Página 99
Item.	Description		Order no.	Qty	S	Notes		
–	Optional							
1	Inlet ring	Anel interior	921078.0002	1				
2	Wiring set	Conjunto instalação elect.	922007.0002	1				
3	Screw	Parafuso	920100.046	2				
4	Sleeve	Casquilho	A27812.0100	2				
5	Heater,compl.	Aquecedor, compl.	922558.0002	1				
6	Sleeve	Casquilho	A27812.0100	4				
7	Screw	Parafuso	A27814.0100	4				

Page Página	Module Módulo	Date Data	Description Descrição		
100	KV05-0104	00-04-11	Light		



		Description Descrição Light			☐	Date Data 00-04-11	Module Módulo KV05-0104	Page Página 101
Item.	Description		Order no.	Qty	S	Notes		
–	Optional							
1	Light	Luz	922006.0001	1				
2	Wire	Fio electrico	921087.0001	3				
3	Pin	Pin	922202.0001	2				
4	Screw	Parafuso	920100.046	2				

Page Página	Module Módulo	Date Data	Description Descrição	☐	
102	KV05-0104	93-01-12	Fan		

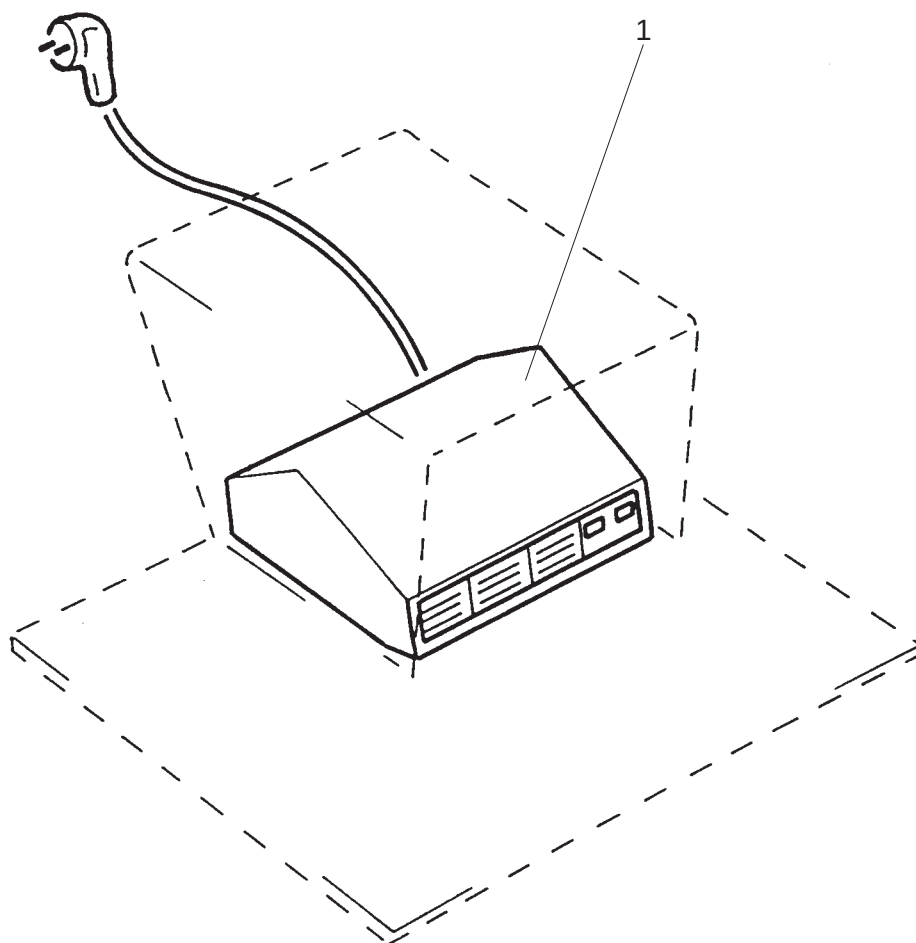


		Description Descrição Fan			☐	Date Data 93-01-12	Module Módulo KV05-0104	Page Página 103
Item.	Description	Order no.	Qty	S	Notes			

*1	Fan	Ventoinha	N3205111H	1		HELLA	8EV003361-01124V
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*Optional
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Page Página 104	Module Módulo KV05-0104	Date Data 94-01-17	Description Descrição Heater	☐	
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		Description Descrição Heater			☐	Date Data 94-01-17	Module Módulo KV05-0104	Page Página 105
Item.	Description		Order no.	Qty	S	Notes		

1	Heater, compl.	Aquecedor, compl.	K2301200H	1		Calix	1200
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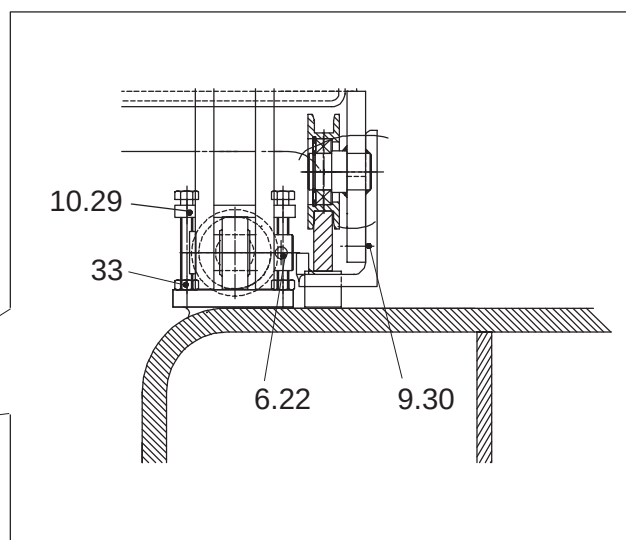
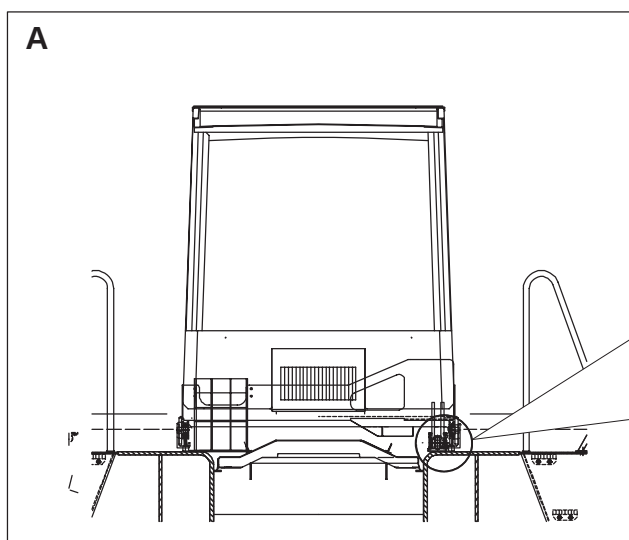
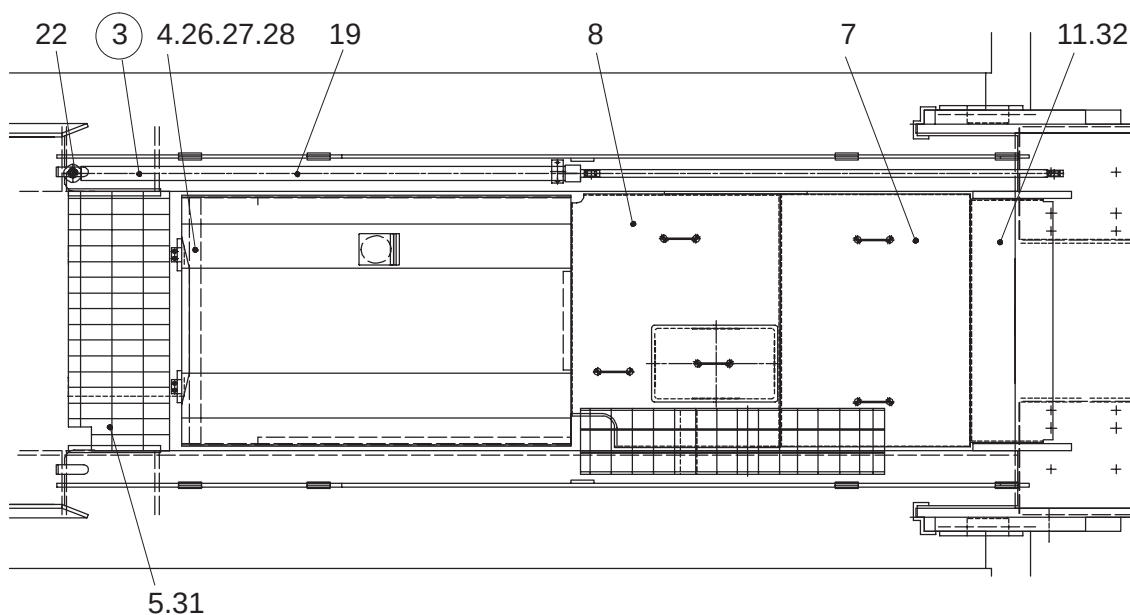
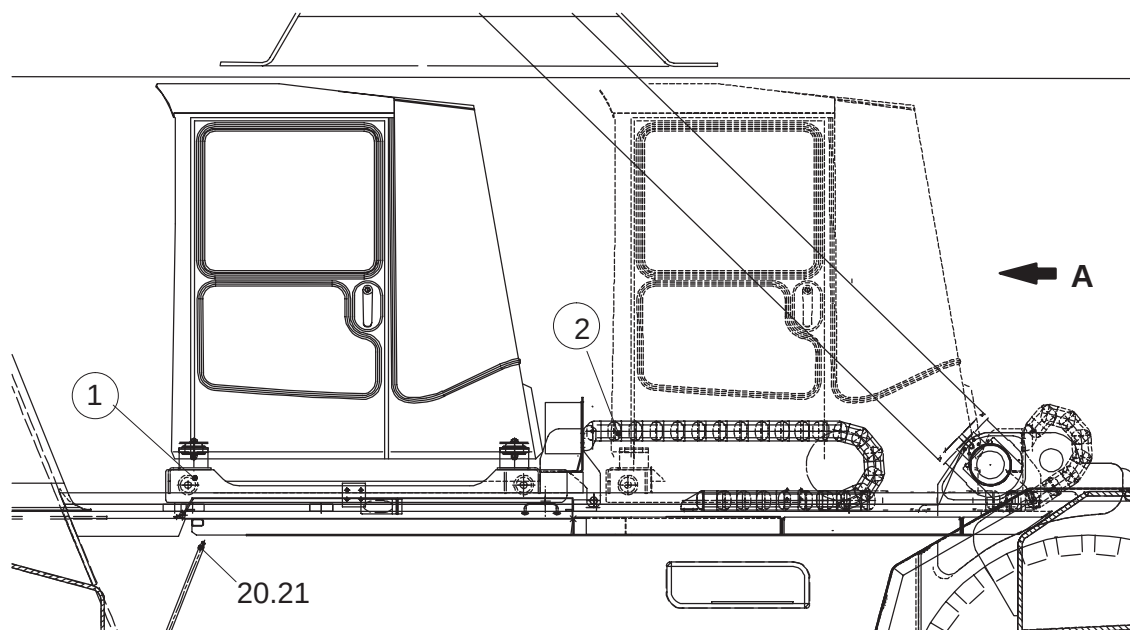
	Revision Revisão	☐ Date Data 00-04-12	Module Módulo KV05-0105	Page Página 1/13
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KV05-0105

Cab transfer unit

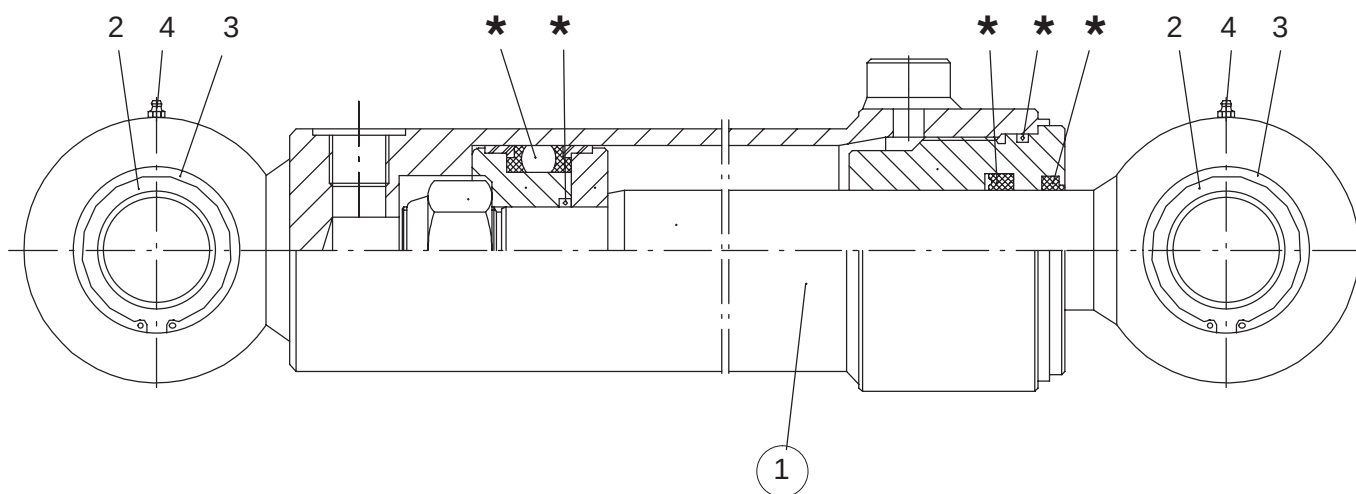
Unidade de transferência da cabine

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV05-0105	00-04-11	Cabin, mount.	



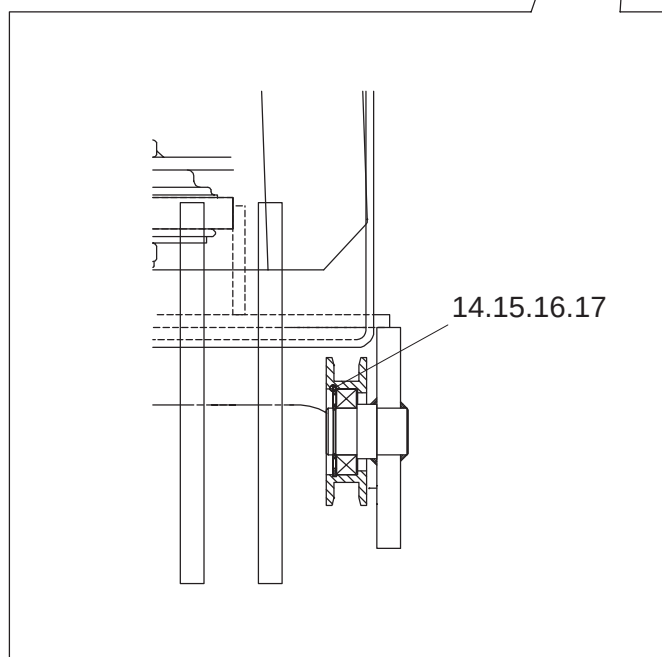
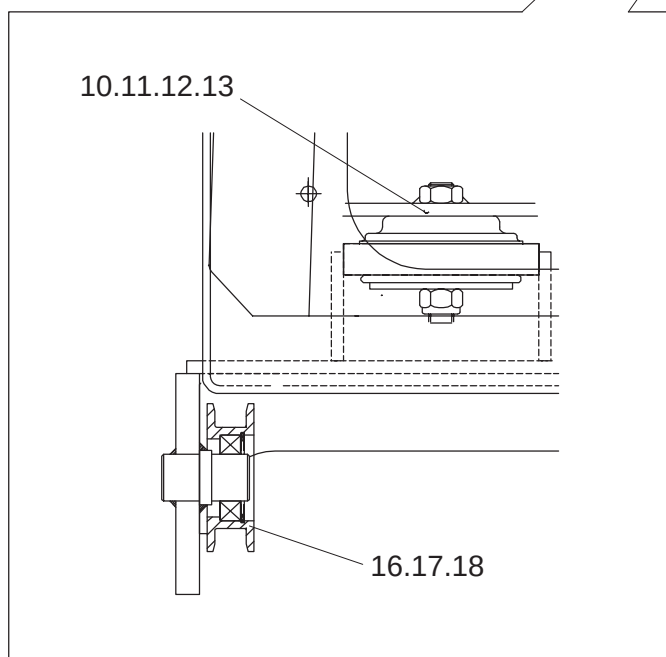
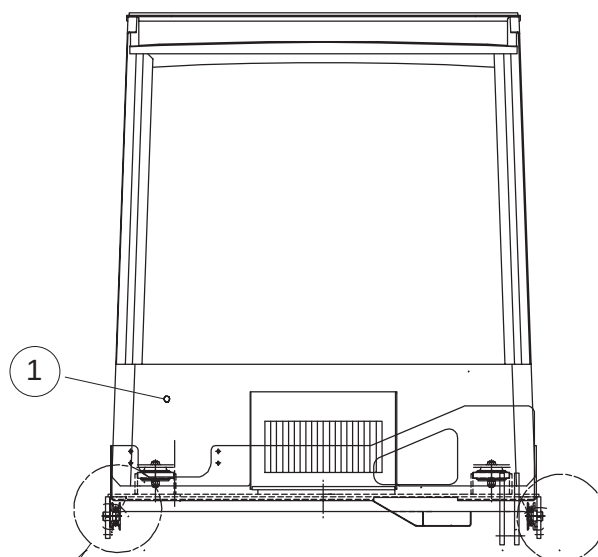
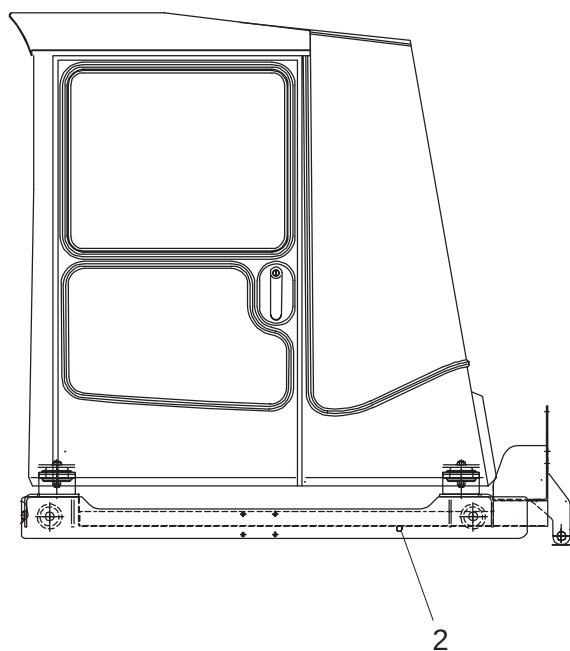
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Cabin, mount.		00-04-11	KV05-0105	3
Item.	Description	Order no.	Qty	S	Notes		
1	Base see page 7	Base	1				
2	Chain	Corrente					
3	Hydraulics see page 11	Hidráulica					
4	Shield cover	Tampa de protecção	K5688060	1			
5	Grate	Grade	K5671220	1			
6	Pin	Pin	K5688140	1			
7	Shield cover	Tampa de protecção	K5688170	1			
8	Shield cover	Tampa de protecção	K5688180	1			
9	Lock washer	Anilha de freio	K5688190	2			
10	Support	Suporte	K5688200	1			
11	Plate	Placa	K5688480	1			
19	Cylinder	Cilindro	K0702012H	1	NORRH A00 50/32*2000		
20	Gas spring	Amortecedor de gás	T1902017H	2	SUSPA 16-6-474-400-1		
21	Elbow	Cotovelo	769014277	4	DIN71802 AS13		
22	Pin	Pino	59551367	2	V95/R		
26	Screw	Parafuso	53060181	4	ISO4017 M10X30		
27	Nut	Porca	51010100	4	DIN985-8 N M10		
28	Washer	Anilha	50012100	8	DIN125 10,5		
29	Screw	Parafuso	53160153	2	ISO4014 M8X90		
30	Screw	Parafuso	53160220	8	ISO4014 M12X25		
31	Fastener	Ligador	T2302020H	4	FINNR S-33		
32	Screw	Parafuso	53060136	2	ISO4017 M8X16		
33	Nut	Porca	50410080	2	ISO4032 M 8-8		

Page Página	Module Módulo	Date Data	Description Descrição	☐	
4	KV05-0105	00-03-23	Cylinder		



		Description Descrição Cylinder			☐	Date Data 00-03-23	Module Módulo KV05-0105	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	K0702012H	1		Norrh.	A-00-50/32x2000	
2	Bearing	Rolamento	61131303	2			GE 30 DO.2RS	
3	Circlip	Freio	61733047	2		DIN 472/1	47X1.75	
4	Grease fitting	Bico de lubrificação	64411203	2		DIN71412	R1/8	
*	Gasket set	Jogo juntas	807605542	1		Norrh.	40108-05	

Page Página	Module Módulo	Date Data	Description Descrição		
6	KV05-0105	00-04-11	Cabin, mount.		

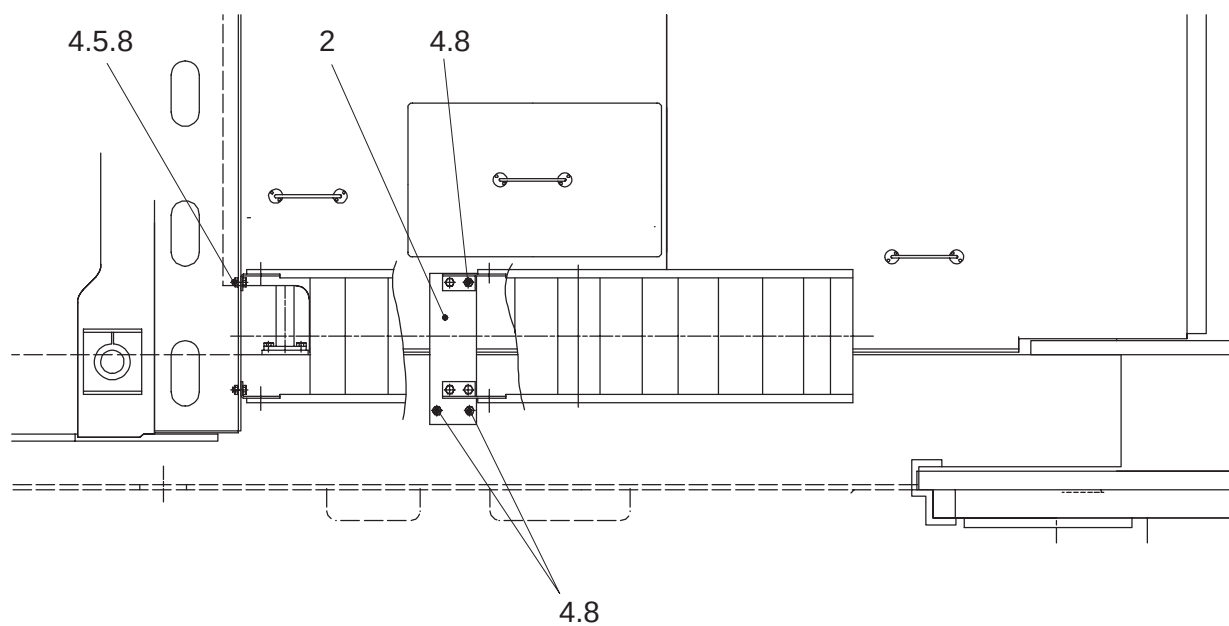
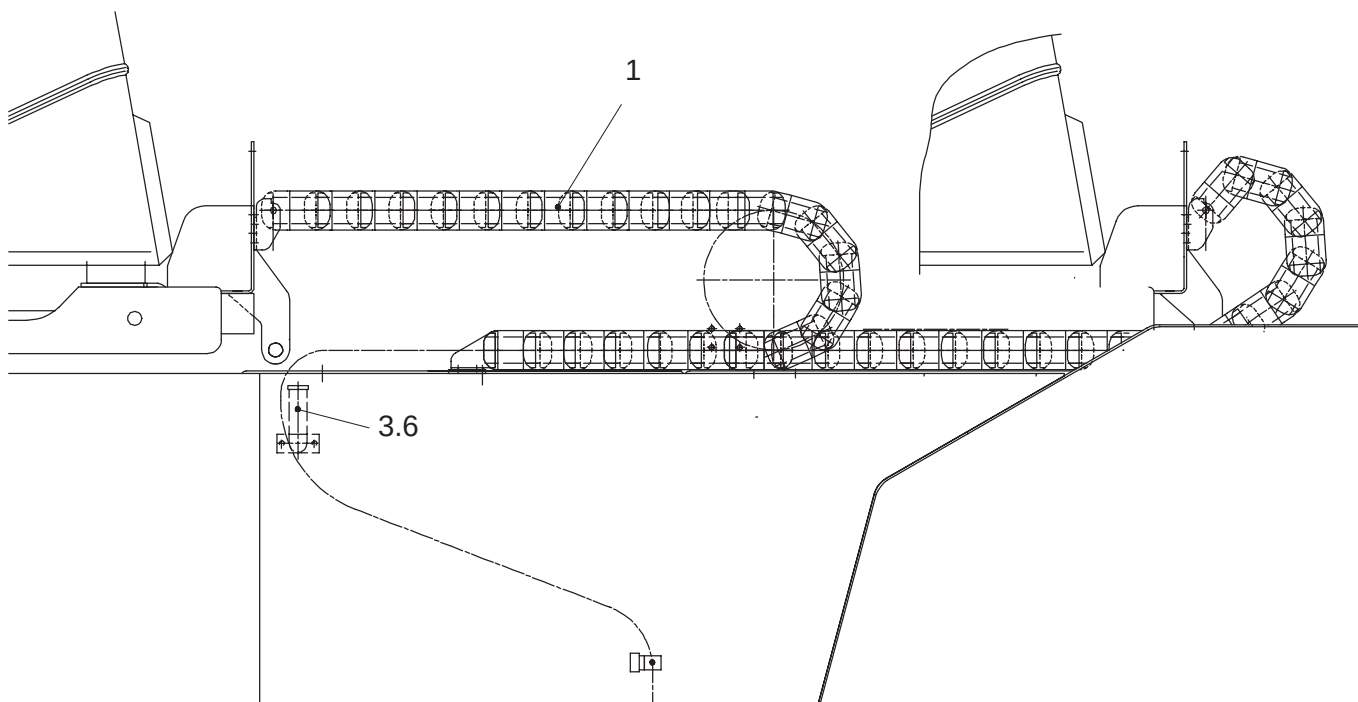


			☐		Date Data	Module Módulo	Page Página
Description Descrição			Cabin, mount.		00-04-11	KV05-0105	7
Item.	Description		Order no.	Qty	S	Notes	
*1	Cab	Cabina					
2	Base	Base	K567940	1			
10	Screw	Parafuso	K5683260	4			
11	Washer	Anilha	K5683250	4			
12	Damper	Batente amortecedor	770165045	4		METAL 17-1650-1-45	
13	Nut	Porca	51010160	4		DIN985-8 N M16	
14	Roller	Rolete	K5688120	2			
15	Circlip	Freio	61730030	2		DIN471/1 30X1.5	
16	Circlip	Freio	61733055	4		DIN471/1 55X2	
17	Bearing	Rolamento	610310601	4		SKF KU 6006-2RS	
18	Roller	Rolete	K5688310	2			

*)See cabin module

*)

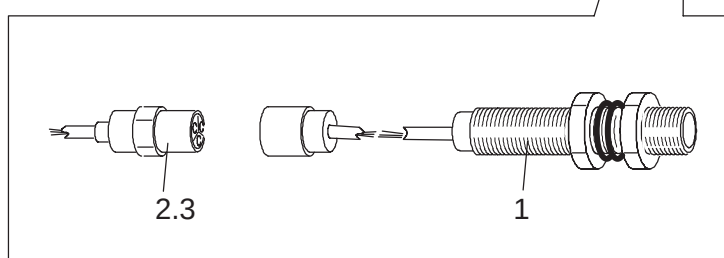
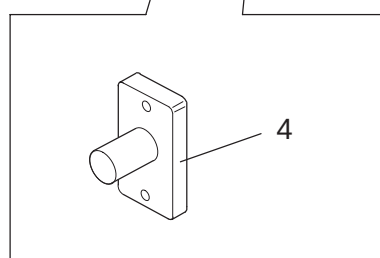
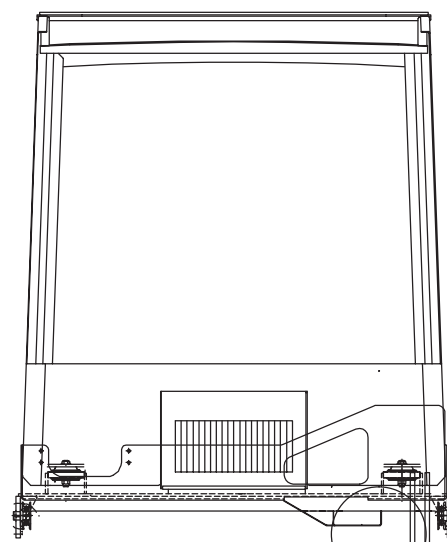
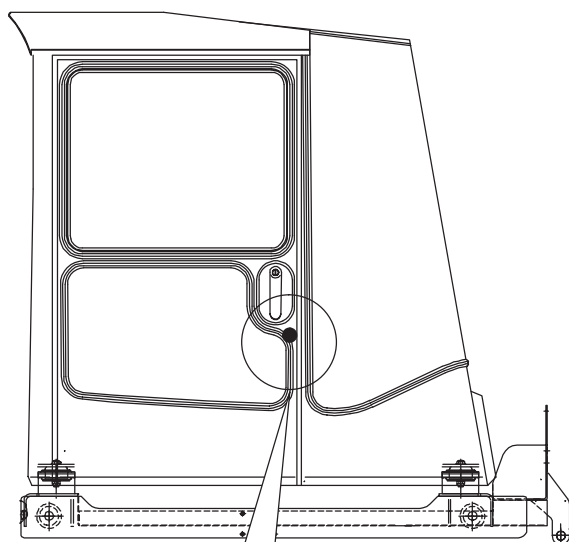
Page Página	Module Módulo	Date Data	Description Descrição		
8	KV05-0105	00-04-11	Cabin, mount.		



		Description Descrição Cabin, mount.			☐	Date Data 00-04-11	Module Módulo KV05-0105	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
1	Chain	Corrente	T2302106H	1		IGUS 40.25.150,21LENK		
2	Fastener	Ligador	K5688210	1				
3	Screw	Parafuso	53060176	2		ISO4017 M10X16		
4	Screw	Parafuso	53060178	2		ISO4017 M10X20		
5	Nut	Porca	51010100	8		DIN985-8 N M10		
6	Support	Suporte	K5688450	1				
8	Washer	Anilha	50012100	10		DIN125 10.5		

		Description Descrição Cabin, mount.			Date Data 00-04-11	Module Módulo KV05-0105	Page Página 11
Item.	Description	Order no.	Qty	S	Notes		
1	Valve	N0806144H	1		VICKE	DG4V-3-56C-MU	
3	Valve	K0800001H	1		SUN	CBCH-LCN-EBY	
4	Pump	K0300100H	1		SMITH	MK3-2RS10V28NN	
5	Hose	VL5400553	1				
6	Hose	VL5400542	1				
7	Fitting	643445103	2			VLS6202110JIC/R1/2	
8	Fitting	643445102	3			VLS6202110JIC/R3/8	
9	Measuring connector Ligação para manômetros	64348521	1		PARKER	6TT4MXS	
10	Measuring connector Ligação para manômetros	64348521	1		PARKER	6TT4MXS	
11	Elbow	64345710	2			VLS62033 10JIC/9/16-18	
15	Screw	53060176	2		ISO4017	M10X16	
16	Through bolt kit	K0809124H	1		VICKE	BK869720M M5X75	
17	Fitting	643449161	3			VLS62025 16JIC/R1/2	
18	Plug	64308210	1		PARKER	10FNTXS	

Page Página 12	Module Módulo KV05-0105	Date Data 00-04-11	Description Descrição Cabin, mount.	☐	
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		Description Descrição Cabin, mount.			☐	Date Data 00-04-11	Module Módulo KV05-0105	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		
1	Sensor	Sensor	65237156	2			N5359160	
2	Connection	União	65214319	2			1-0826886-2 3N	
3	Contact part	Parte de contacto	65214320	2			0-0925601-3	
4	Switch	Interruptor	806109516	2		Hella	6ZF 003549-021	

06

WORKING DEVICES

KV06—0114

Boom

Barra

KV06—0108

Spreader

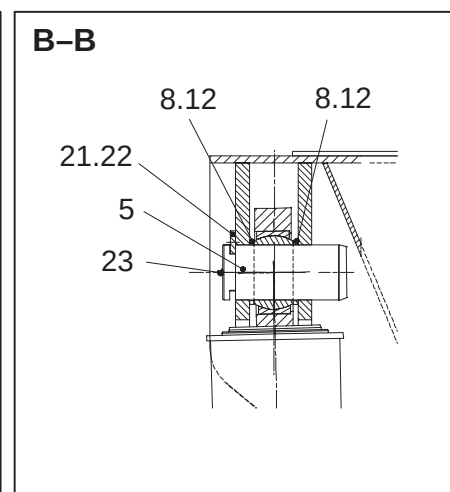
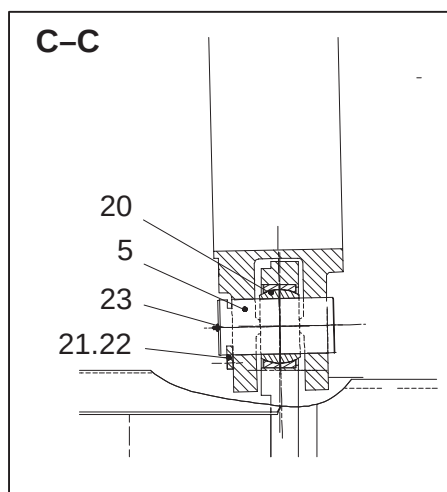
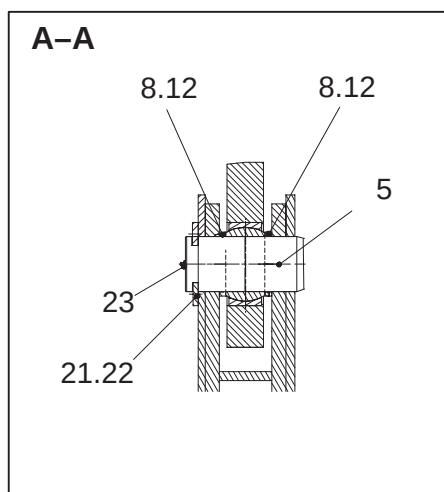
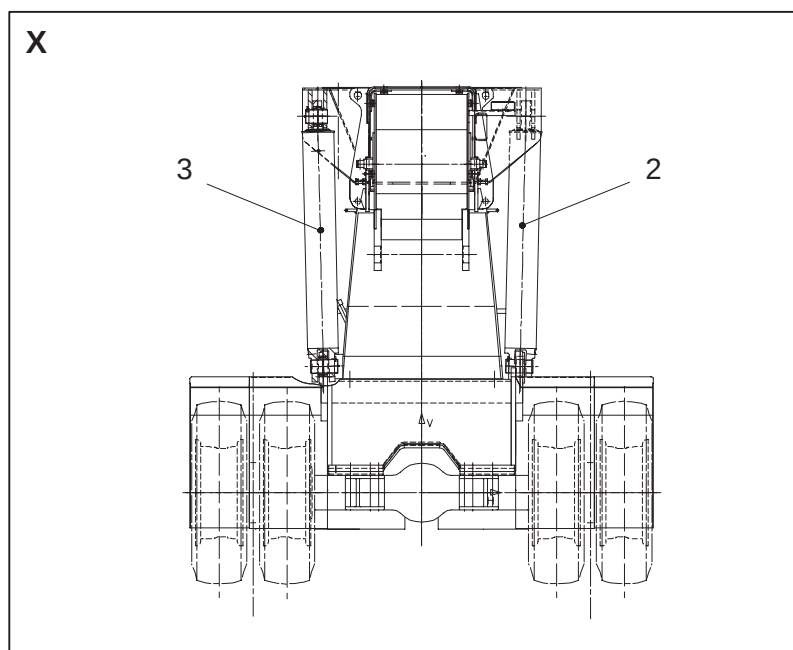
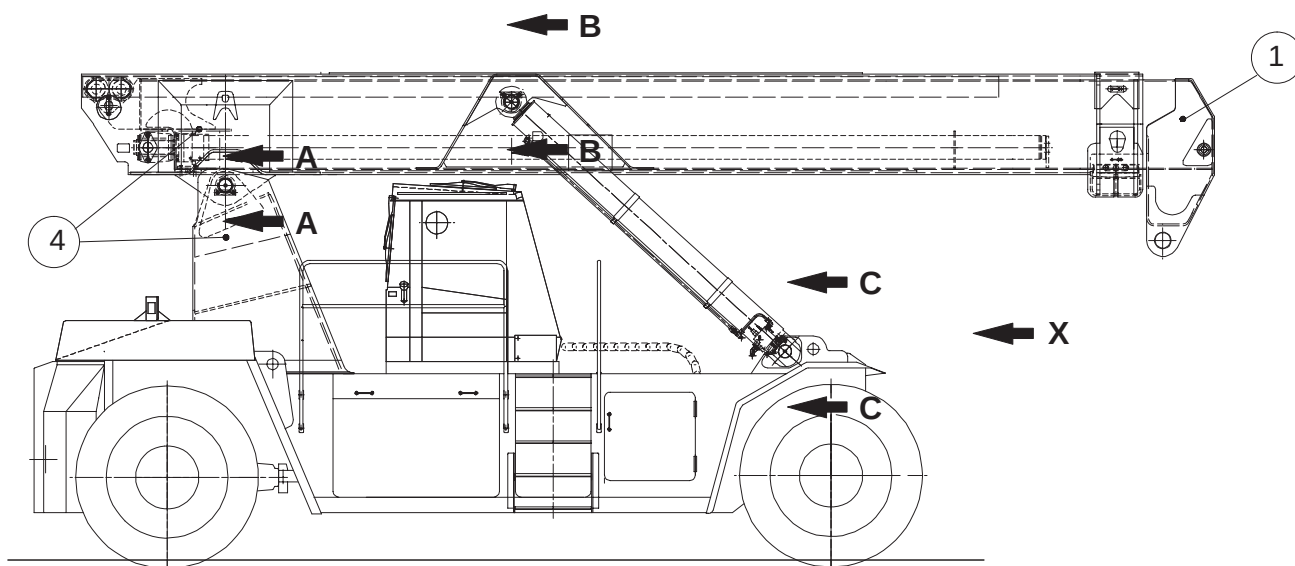
Spreader

KV06-0114

Boom

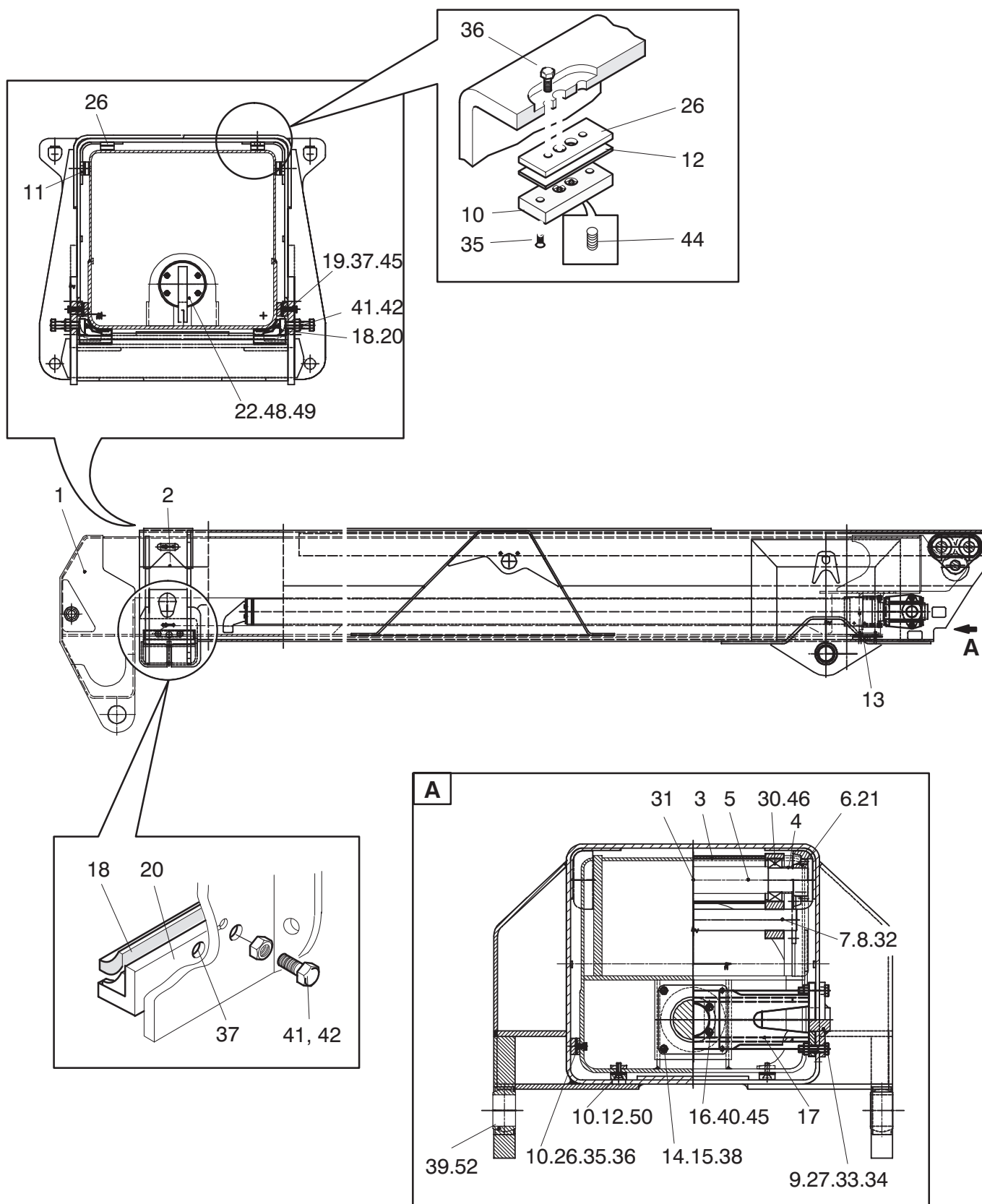
Barra

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV06-0114	00-12-01	Lift boom, mount.	

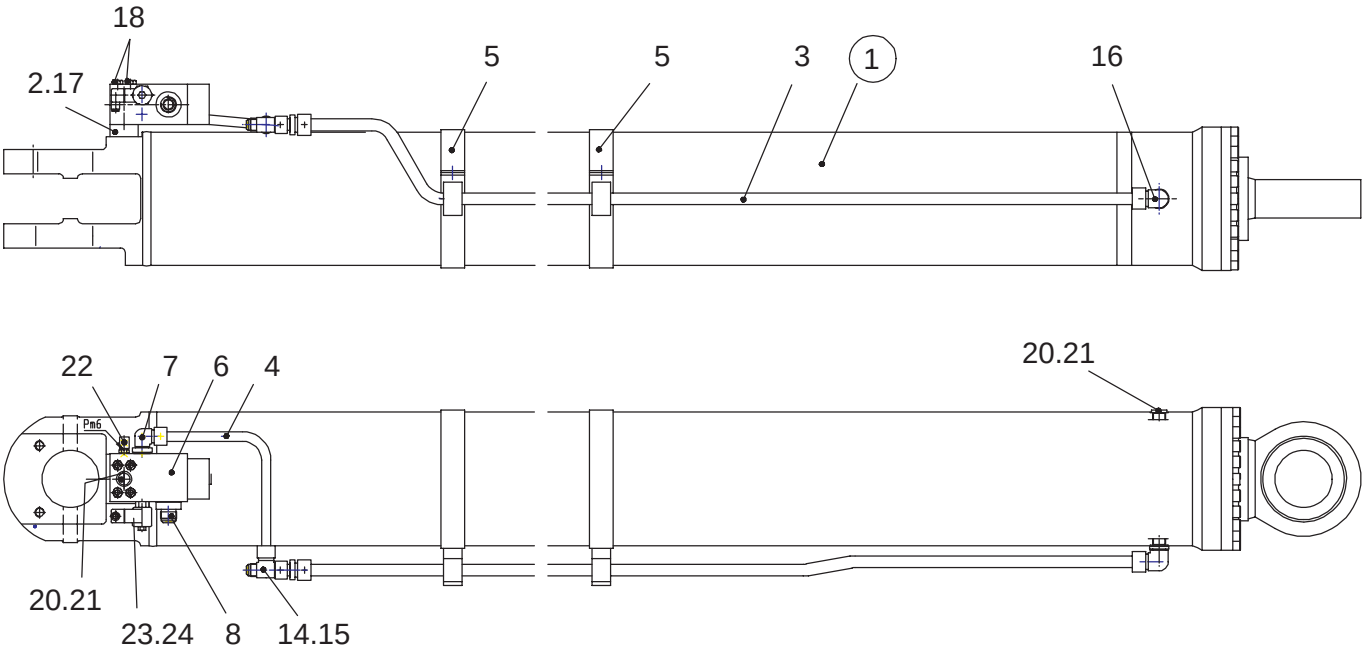


		Description Descrição Lift boom, mount.			☐	Date Data 00-12-01	Module Módulo KV06-0114	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Bar	Barra	K5687130	1				
	see page 5							
2	Lift cylinder	Cilindro elevação	K5687350	1				
	see page 7							
3	Lift cylinder	Cilindro elevação	K5687360	1				
	see page 9							
4	Hydraulic equipment	Equipamento hidráulico	K5687170	1				
	see page 25							
5	Shaft	Eixo	K5687780	6			D120-260	
8	Adjusting ring	Anel de afinação	T5509922	8				
12	Adjusting ring	Anel de afinação	K5691680	8			S12	
20	Bearing	Rolamento	61132992	2		INA	GE120DO2RS	
21	Axle retainer	Retentor do eixo	61760050	8			50	
22	Screw	Parafuso	53060383	14		SFS2064	M20x40	
23	Grease fitting	Bico de lubrificação	64411203	6		Alemi	509F-R1/8K	

Page Página	Module Módulo	Date Data	Description Descrição	
4	KV06-0114	00-03-17	Lift boom, compl.	



		Description Descrição	☐	Date Data	Module Módulo	Page Página
		Lift boom, compl.		00-03-17	KV06-0114	5
Item.	Description	Order no.	Qty	S	Notes	
1	Extension boom	Longarina de extensão	K5687150	1		
2	Bar	Barra	K5687140	1		
3	Bracket	Prateleira	T5503770	1		
4	Spacing ring	Anel espaçador	T5371420	4		
5	Shaft	Eixo	T5503800	2		
6	Roller	Rolete	T5503850	4		
7	Shaft	Eixo	K5673320	1		
8	Lock washer	Anilha de freio	T5371450	2		
9	Lug	Suporte	T5672480	2		
10	Slide piece	Calha	T5371480	10		
11	Plate	Placa	K5133030	4		
12	Shim	Anilha	T5371520	30	S=2	
13	Cylinder	Cilindro	C5592643	1		
	see page 13					
14	Sleeve	Casquilho	T5371380	4		
15	Cover	Tampa	T5503930	1		
16	Lock plate	Freio	T5371360	2		
17	Support	Suporte	K5672410	1		
18	Slide piece	Calha	K5672040	2		
19	Spacing plate	Disco separador	T5371500	2		
20	Guide	Guia	K5672400	2		
21	Shim	Anilha	T5371460	20	S=1	
22	Support	Suporte	T5673270	1		
26	Spacing plate	Disco separador	T5503840	2		
27	Shim	Anilha	K5675260	2	S=1	
30	Bearing	Rolamento	61236418	4	23218CC	
31	Grease fitting	Bico de lubrificação	64411203	1	DIN71412 AR1/8	
32	Screw	Parafuso	53060303	4	SFS2064 M16x40	
33	Screw	Parafuso	53160475	4	ISO4014 M24x100	
34	Nut	Porca	50410240	4	SFS2067 M24	
35	Screw	Parafuso	58830624	16	DIN7991 M16x35	
36	Screw	Parafuso	53060301	16	ISO4017 M16x30	
37	Grease fitting	Bico de lubrificação	64411203	8	Alemi 509FR1/8K	
38	Screw	Parafuso	53060323	4	SFS2063 M16x180	
39	Bearing	Rolamento	61132992	2	SKF GE120 ES.2RS	
40	Screw	Parafuso	53060307	4	ISO4017 M16x60	
41	Screw	Parafuso	53060553	4	ISO4017 M30x90	
42	Nut	Porca	50410300	4	ISO4032 M30-8	
44	Plug	Ficha	64002606	6	DIN908 G1/8A	
45	Nut	Porca	50410160	4	ISO4032 M16-8	
46	Gasket	Junta	61463751	4	AVNIL 22218(6218)	
48	Screw	Parafuso	53060220	4	SFS2064 M12x25	
49	Washer	Anilha	50062012	4	DIN6796 12	
50	Screw	Parafuso	58830630	4	DIN7991 M16x55	
52	Circlip	Freio	61733180	2	DIN472/1 180x4	

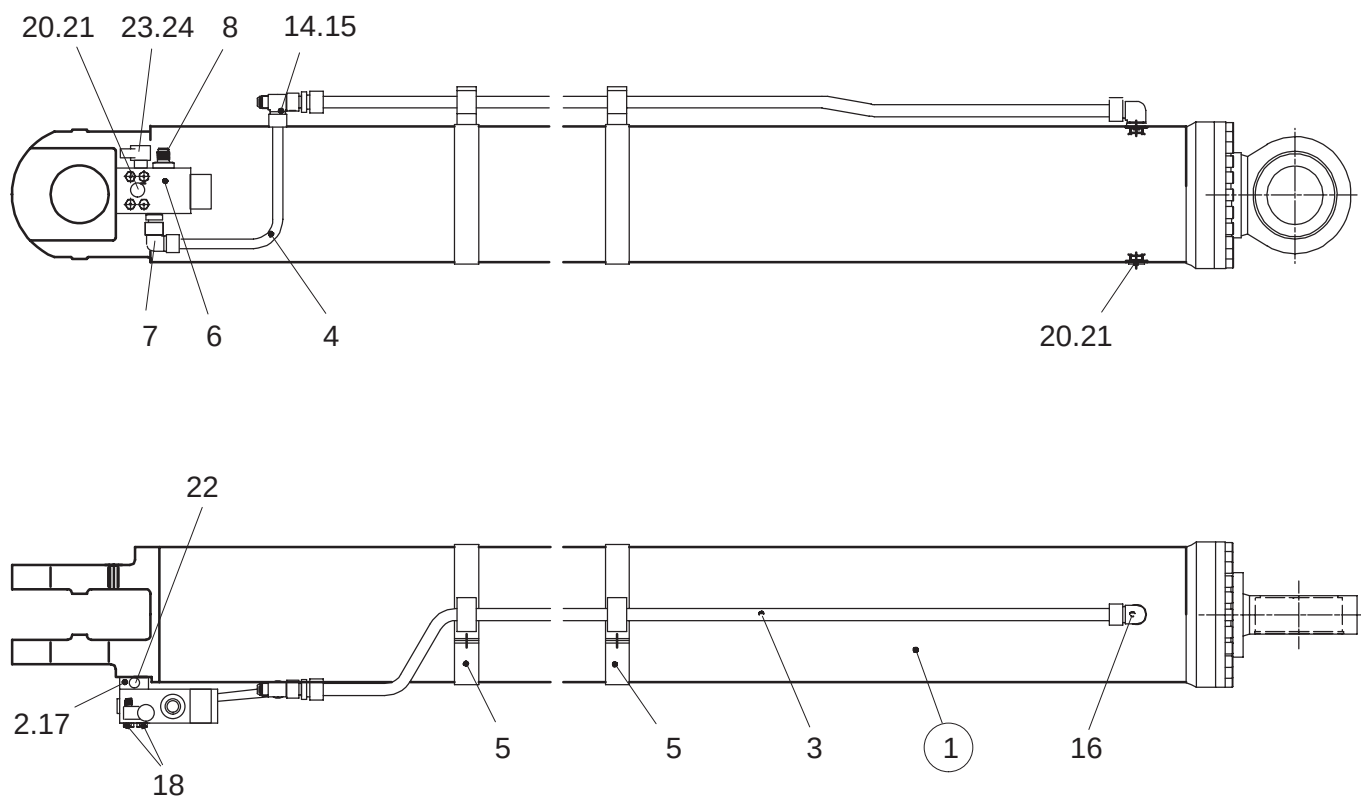


		Description Descrição Lift jack, compl.			Date Data 00-03-16	Module Módulo KV06-0114	Page Página 7
Item.	Description	Order no.	Qty	S	Notes		
1	Lift cylinder see page 11	A386120100	1				
2	Intermediate block	K5676030	1				
3	Tube	K5687810	1				
4	Tube	K5676010	1				
5	Clamp	T5504240	2				
*6	Valve	K0808089H	1		PARKE	V-FI-10239A (M22530)	
7	Fitting	643449202	1			VLS62025 20JIC/R3/4	
8	Fitting	643445252	1			VLS62021 25JIC/R1	
14	Fitting	64348512	1		PARKE	12R6XS	
15	Fitting	643065121	1			VLS62038 25/20JIC	
16	Fitting	643449251	1			VLS62025 25JIC/R3/4	
17	Seal ring	61440322	2		SMS1586	O32.2X3	
18	Screw	53160238	4		ISO4014	M12X130	
20	Plug	64002620	2		DIN908	3/4A	
21	Gasket	61450272	2			VLS623.02 U27.2X36X2	
22	Measuring connector Ligação para manômetros	64332191	1		EMA	3/R1/4-ED/A3C	
23	Coil	804107074	1		PARKE	S8LDD024 24VDC	
24	Valve	804107075	1		PARKE	DSH081C	

*)Incl. parts 23,24

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Page Página	Module Módulo	Date Data	Description Descrição	
8	KV06-0114	00-03-16	Lift jack, compl.	

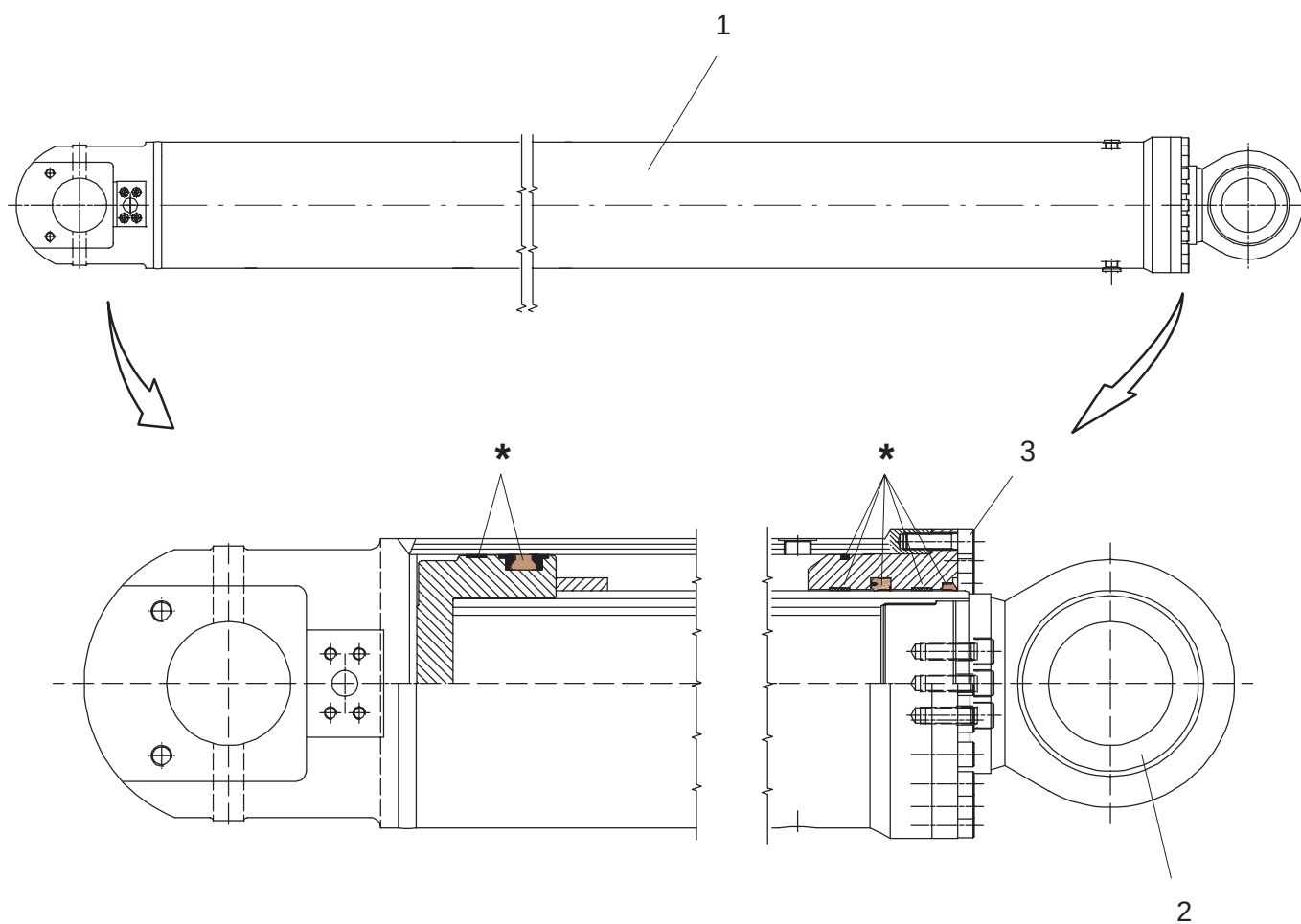


		Description Descrição Lift jack, compl.			Date Data 00-03-16	Module Módulo KV06-0114	Page Página 9
Item.	Description	Order no.	Qty	S	Notes		
1	Lift cylinder see page 11	Cilindro elevação A386120100	1				
2	Intermediate block	Bloco intermedio K5676030	1				
3	Tube	Tubo K5687820	1				
4	Tube	Tubo K5676010	1				
5	Clamp	Grampo T5504240	2				
*6	Valve	Valvula K0808089H	1		PARKE	M22530	
7	Fitting	União 643449202	1			VLS62025 20JIC/R3/4	
8	Fitting	União 643445252	1			VLS62021 25JIC/R1	
14	Fitting	União 64348512	1		PARKE	LS 12R6XS	
15	Fitting	União 643065121	1			VLS62038 25/20JIC	
16	Fitting	União 643449251	1			VLS62025 25JIC/R3/4	
17	Seal ring	Vedante 61440322	2		SMS1586	O32.2X3	
18	Screw	Parafuso 53160238	4		ISO4014	M12X130	
20	Plug	Ficha 64002620	2		DIN908	3/4A	
21	Gasket	Junta 61450272	2			VLS623.02 U27.2X36X2	
22	Fitting	União 643445101	1			VLS62021 10JIC/R1/4	
23	Coil	Indutora 804107074	1		PARKE	S8LDD024 24VDC	
24	Valve	Valvula 804107075	1		PARKE	DSH081C	

*)Incl. parts 23.24

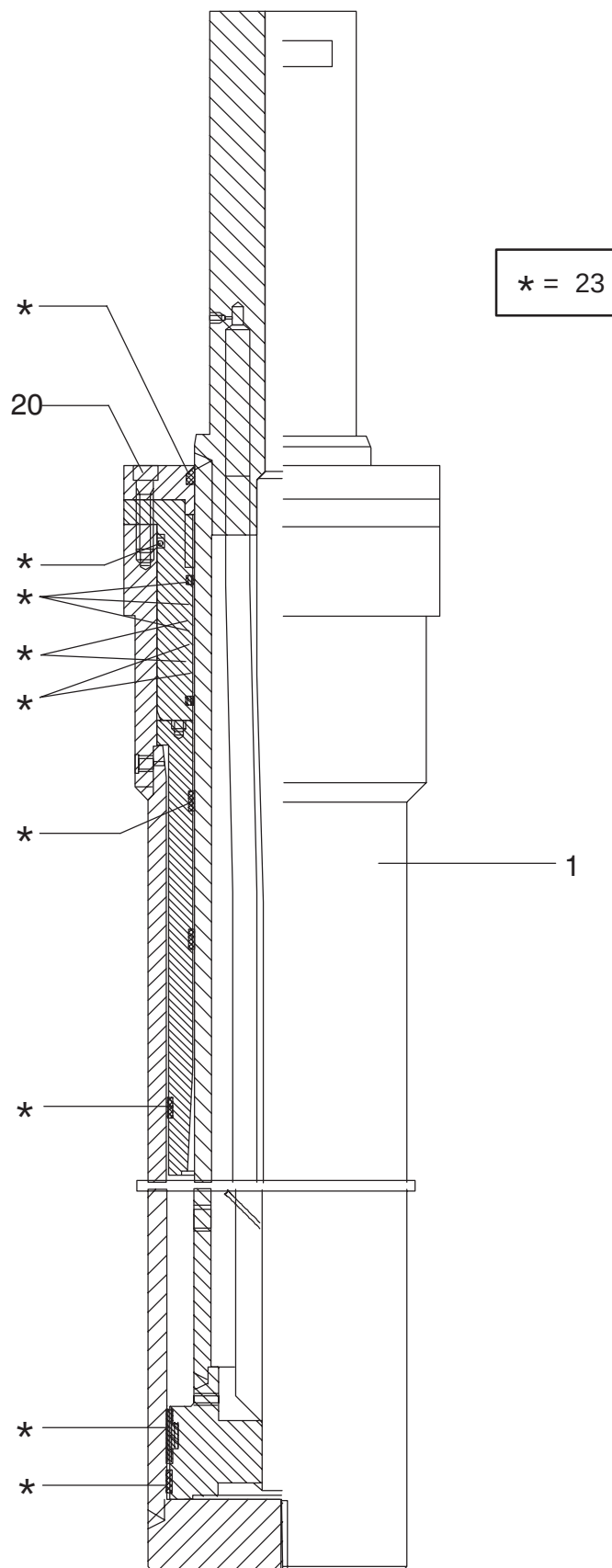
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Page Página 10	Module Módulo KV06-0114	Date Data 00-03-06	Description Descrição Cylinder	☐	
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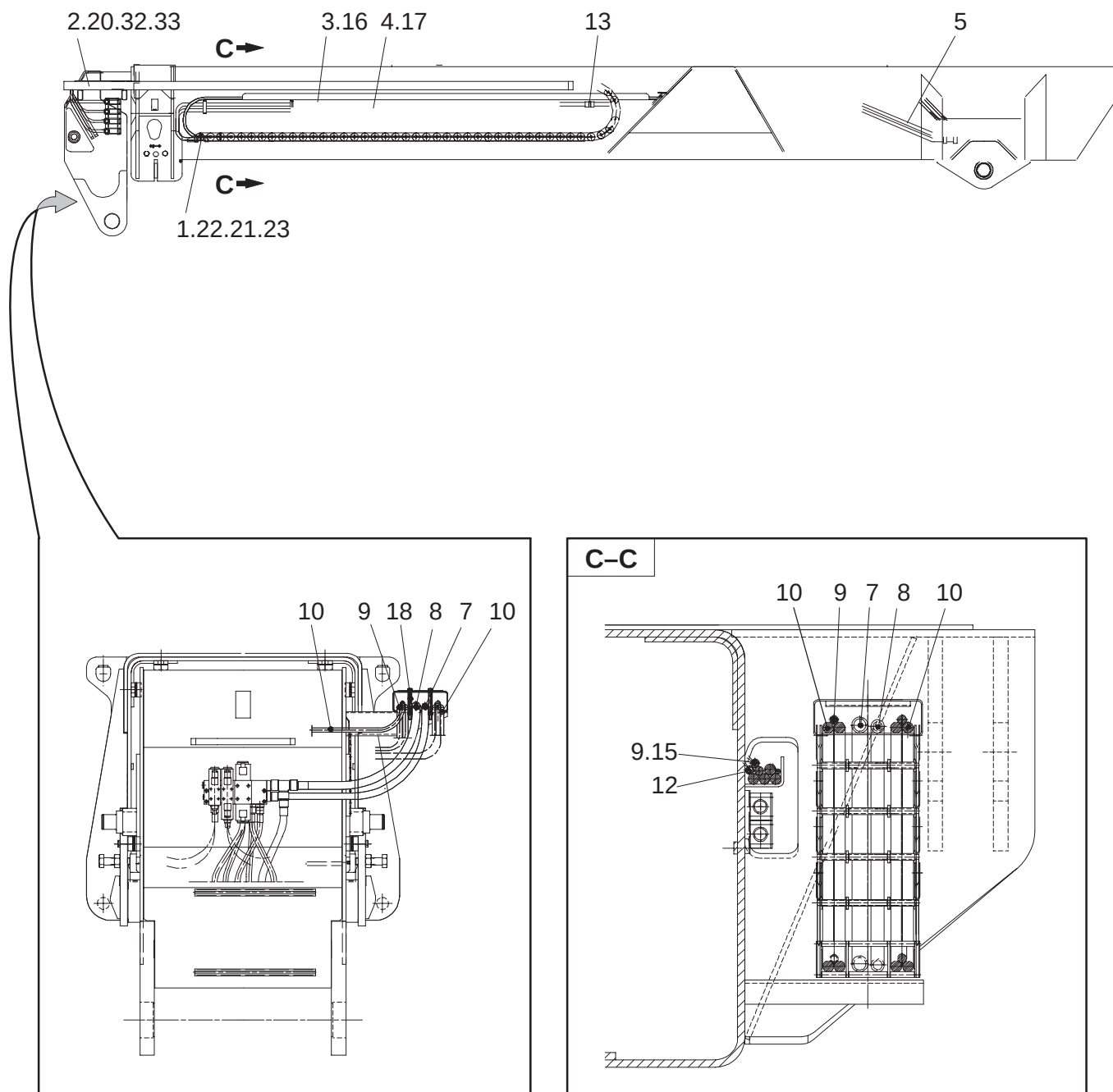
		Description Descrição Cylinder			☐	Date Data 00-03-06	Module Módulo KV06-0114	Page Página 11
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	A38612.0100	1		INA GE120DO.2RS		
2	Bearing	Rolamento	61132992	1				
3	Screw	Parafuso	921899.147	24				
*	Gasket set	Jogo juntas	454452.6700	1				

Page Página 12	Module Módulo KV06-0114	Date Data 00-03-17	Description Descrição Cylinder, compl.	☐	
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		Description Descrição Cylinder, compl.			☐	Date Data 00-03-17	Module Módulo KV06-0114	Page Página 13
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	C5592643	1		A SFS2219 M12x60		
20	Screw	Parafuso	58130549	24				
*23	Gasket set	Jogo juntas	C5599180	1				

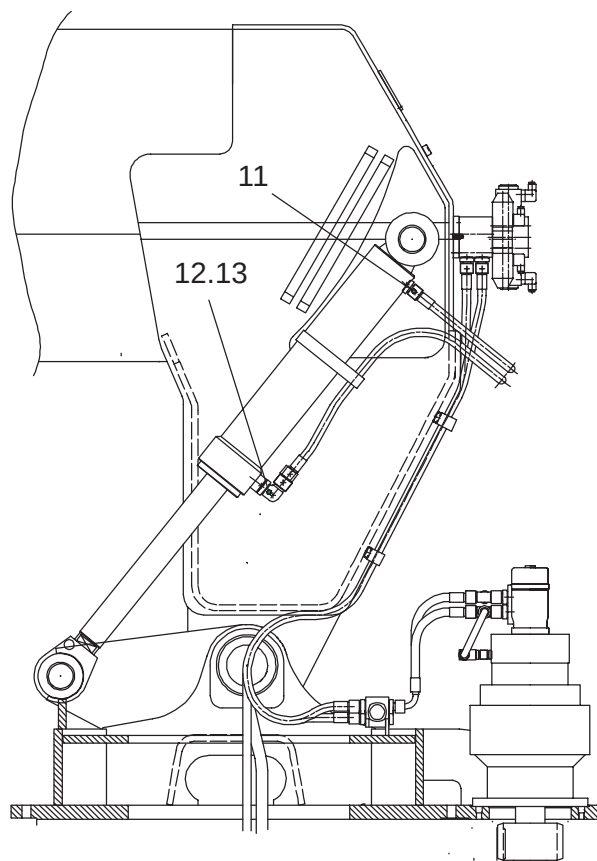
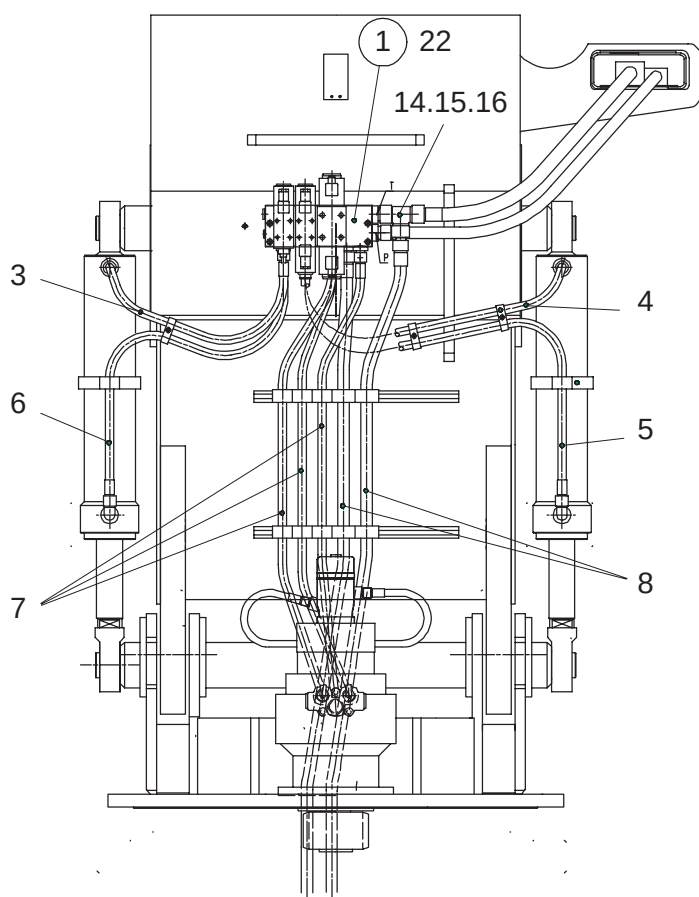
Page Página 14	Module Módulo KV06-0114	Date Data 98-02-05	Description Descrição Liftbalk	
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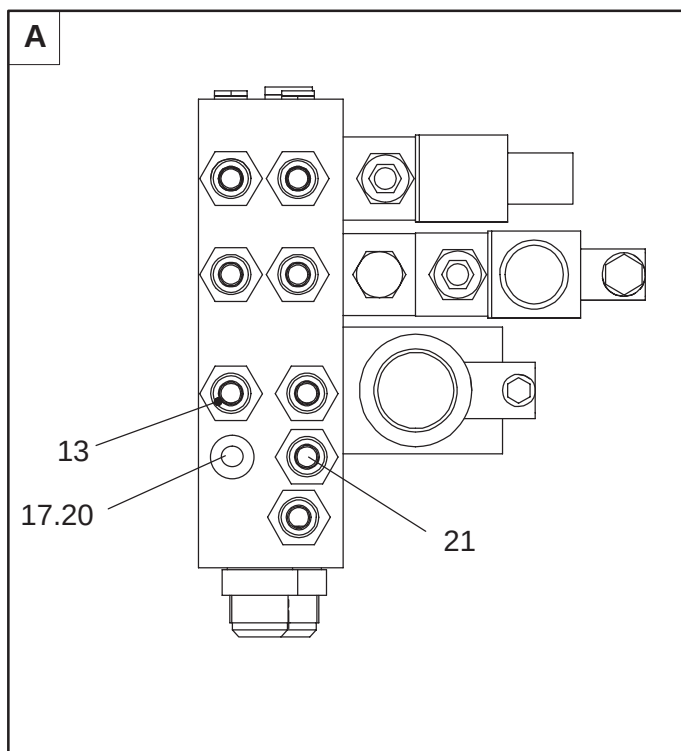
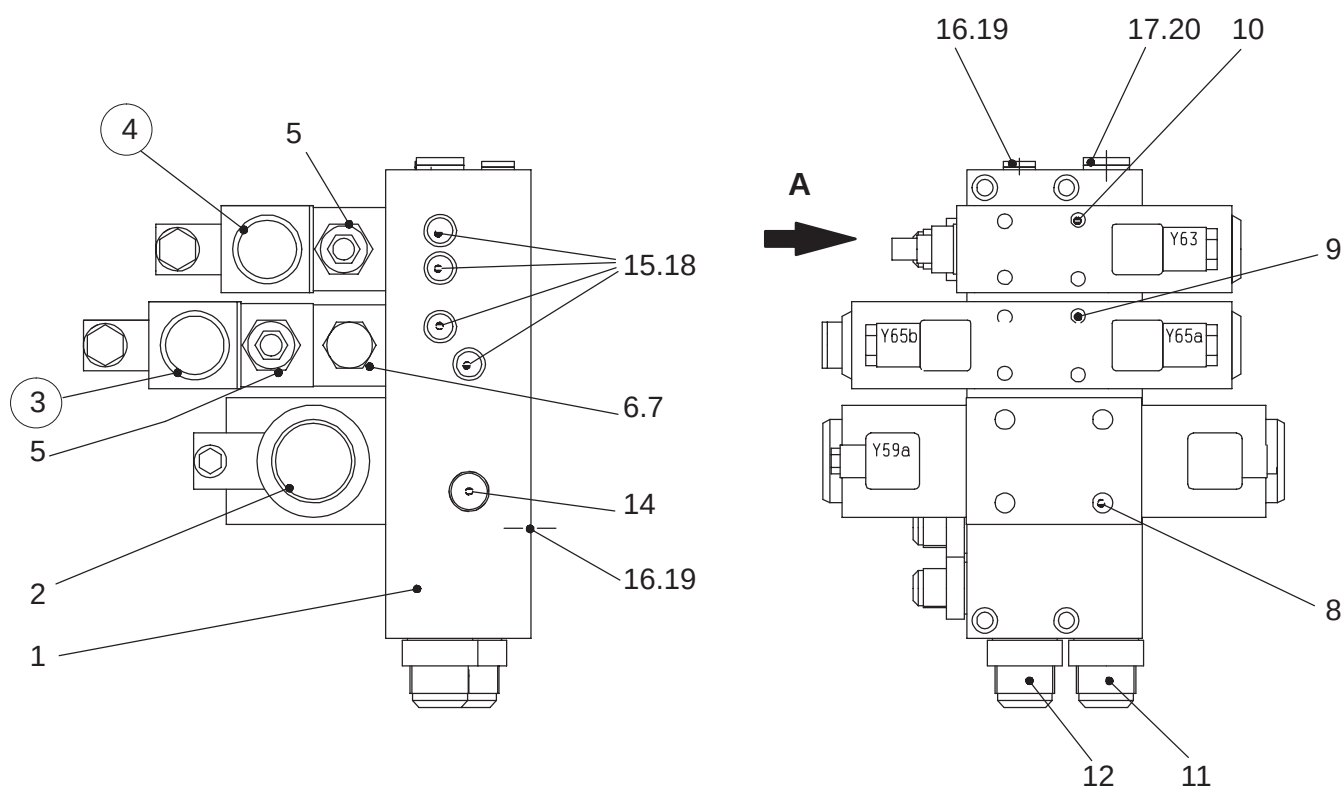
			☐		Date Data	Module Módulo	Page Página
Description Descrição Liftbalk					98-02-05	KV06-0114	15
Item.	Description	Order no.	Qty	S	Notes		
1	Chain Corrente	K2302150H	1		EKD SLR320/250X4900		
2	Channel Canal	K5672860	1				
3	Tube Tubo	K5672850	1				
4	Tube Tubo	K5672900	1				
5	Tube Tubo	K5672890	2				
7	Hose Tubo	K5672841	1				
8	Hose Tubo	K5673331	1				
9	Hose Tubo	VL5400086	2				
10	Cable Cabo	659996624	xx				
12	Hose Tubo	VL5400086	1		NEOFL	24x1.0 MM2 NR	
13	Fitting União	64306520	2			VLS62027 30JIC	
15	Fitting União	64306506	1			VLS62027 10JIC	
16	Union/reducer União/	643065122	1			VLS62038 30/20JIC	
17	Union/reducer União/	643065161	1			VLS62038 30/25JIC	
18	Tube Tubo	24162033	x		DIN2391	16X2.0	
20	Screw Parafuso	53160197	4		ISO4014	M10x120	
21	Nut Porca	51010080	4		DIN985	M8	
22	Washer Anilha	50012080	4		DIN125	8.4	
23	Screw Parafuso	58130463	4		DIN912	M8X30	
32	Washer Anilha	50012100	4		DIN125	10.5	
33	Nut Porca	51010100	4		DIN985	M10	

x) Order as required (min. delivery length hoses 1 m, pipes 3 m).
x)

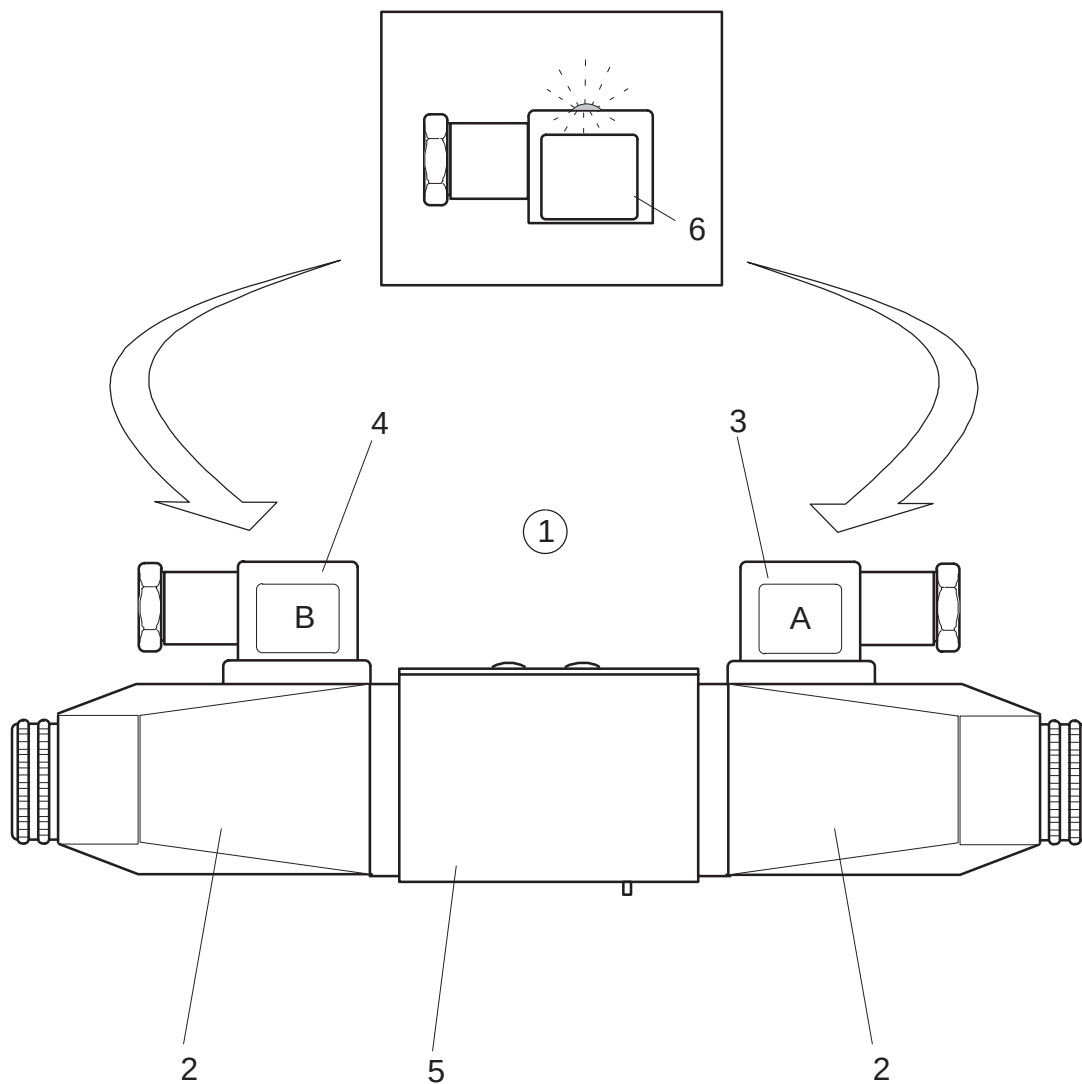
xx) Order as required (min. delivery length 1 m).
xx)



		Description Descrição Hydr.equipment			☐	Date Data 00-03-17	Module Módulo KV06-0114	Page Página 17
Item.	Description		Order no.	Qty	S	Notes		
1	Valve set see page 19	Grupo de válvulas	K5688430					
3	Hose	Tubo	VL5402913	1				
4	Hose	Tubo	VL5402915	1				
5	Hose	Tubo	VL5402919	1				
6	Hose	Tubo	VL5402917	1				
7	Hose	Tubo	VL5402920	3				
8	Hose	Tubo	VL5404549	1				
11	Fitting	União	643445163	2		VLS62021 16JIC/R3/4		
12	Fitting	União	643449202	2		VLS62025 20JIC/R3/4		
13	Fitting	União	643461207	2		VLS62037 12-10TRTXS		
14	Fitting	União	643485122	1		PARKE	16R6XS	
15	Fitting	União	643461259	1		VLS62037 25/20JIC		
16	Nut	Porca	64163926	1		VLS62050 25JIC		
22	Screw	Parafuso	58130473	4		SFS2219	M8X80	



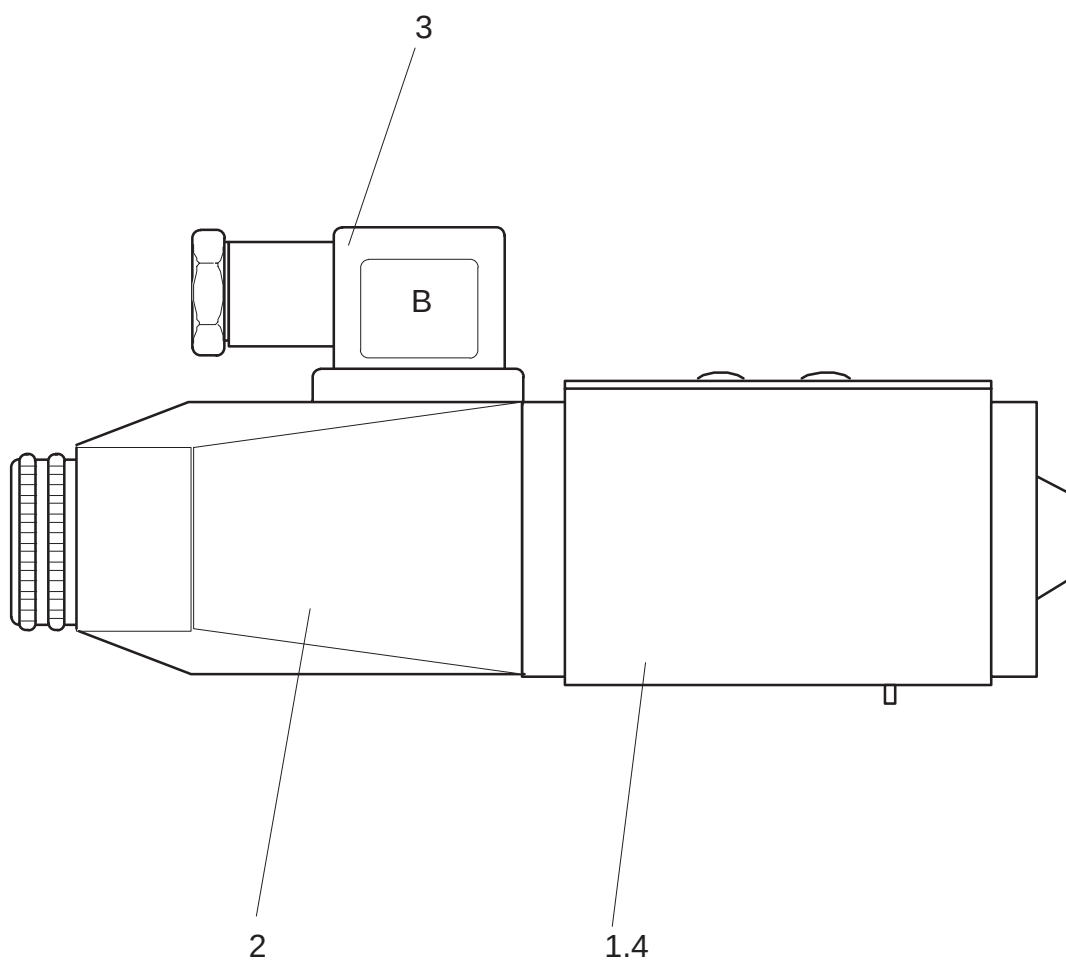
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Valve mount.		00-03-20	KV06-0114	19
Item.	Description	Order no.	Qty	S	Notes		
1	Block Bloco	K5672310	1				
*2	Valve compl. Válvula compl.	K0809128H	1		VICKE	KDG4V-5-2C-50N	
*	Gasket set Jogo juntas	804106878	1		VICKE	565110	
3	Valve compl. Válvula compl. see page 21	T0804028H	1		VICKE	DG4V-3-2C-MU-H7	
4	Valve compl. Válvula compl. see page 23	K0804068H	1		VICKE	DG4V-3-24A-MU-H7-60	
**5	Valve compl. Válvula compl.	T0806105H	2		VICKE	DGMFN-3-Y-A2W-B2	
**	Gasket set Jogo juntas	804106879	1		VICKE	920084	
6	Valve compl. Válvula compl.	K0806115H	2		VICKE	RV2-10-C-O-50	
7	Plate Placa	K0809088H	1			MGZ-06-AT-BT	
8	Through bolt kit Jogo de parafusos	T0810002H	1		VICKE	BK466310	
9	Through bolt kit Jogo de parafusos	T0809114H	1		VICKE	BK466841M	
10	Through bolt kit Jogo de parafusos	T0809057H	1		VICKE	BK464125M L=70	
11	Fitting União	643445251	1		VLS62021	25JIC/R3/4	
12	Fitting União	643445202	1		VLS62021	20JIC/R3/4	
13	Fitting União	643445162	7		VLS62021	16JIC/R1/2	
14	Measuring connector Ligação para manômetros	64332191	1			EMA3/R1/4-ED/A3C	
15	Plug Ficha	64002606	4		DIN908	G 1/8 A	
16	Plug Ficha	64002608	3		DIN908	G 1/4 A	
17	Plug Ficha	64002615	2		DIN908	G 1/2 A	
18	Gasket Junta	61450107	4		VLS62302	U 10.7x18x1.5	
19	Gasket Junta	61450147	3		VLS62302	U 14.7x22x1.5	
20	Gasket Junta	61450215	2		VLS62302	U 21.5x28x2.5	
21	Fitting União	643445201	1		VLS62021	20JIC/R1/2	



		Description Descrição Valve			☐	Date Data 93-01-12	Module Módulo KV06-0114	Page Página 21
Item.	Description		Order no.	Qty	S	Notes		
1	Valve	Valvula	T0804028H	1	150	Vicke	DG4V-3-2C-MU-H7-60	
2	Solenoid	Bobina	804705817	2	150	Vicke	507848 24VDC	
3	Contact plug	Ficha	804702941	1	100	Vicke	710776 harmaa	
4	Contact plug	Ficha	804702940	1	100	Vicke	710775 musta	
5	Gasket set	Jogo juntas	804705818	1	50	Vicke	858995	
*6	Contact plug	Ficha	65210860	1		MPM	S18209TC321	

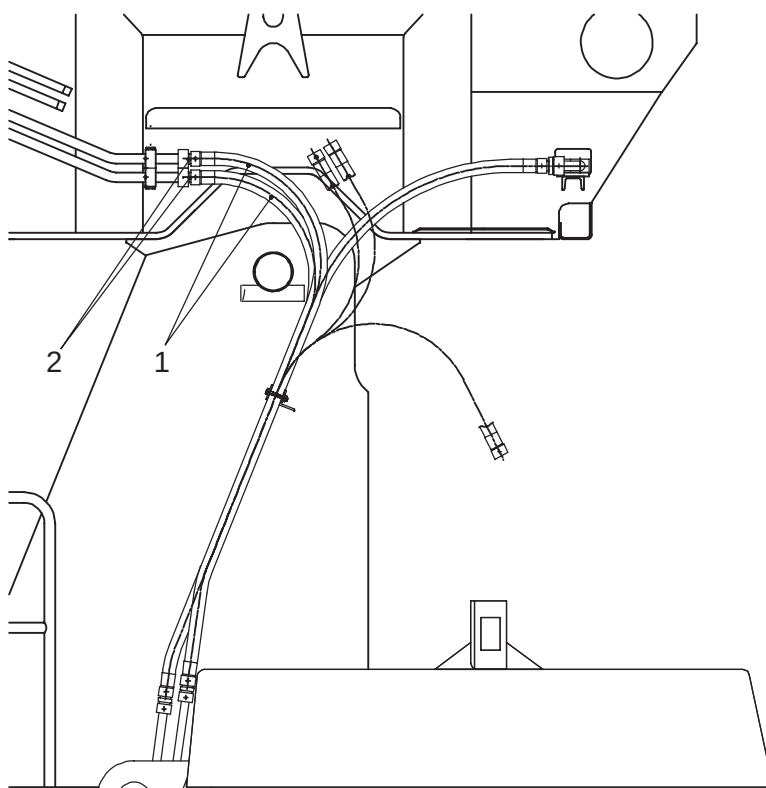
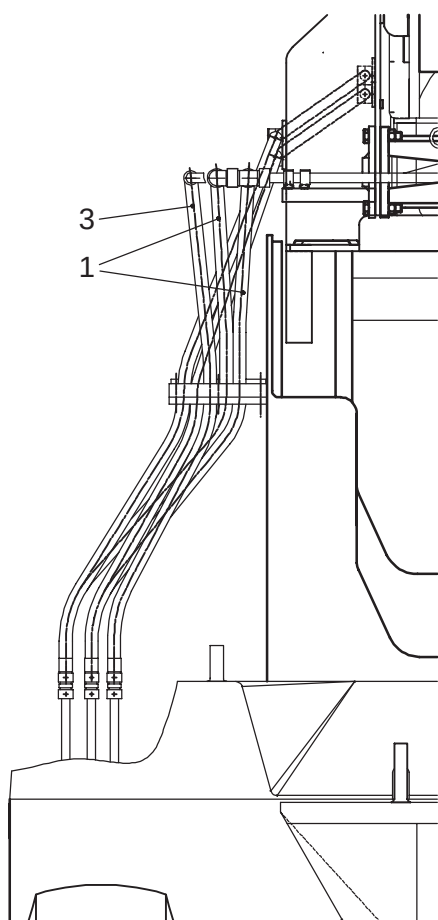
*Alternative
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Page Página 22	Module Módulo KV06-0114	Date Data 00-03-68	Description Descrição Valve	☐	
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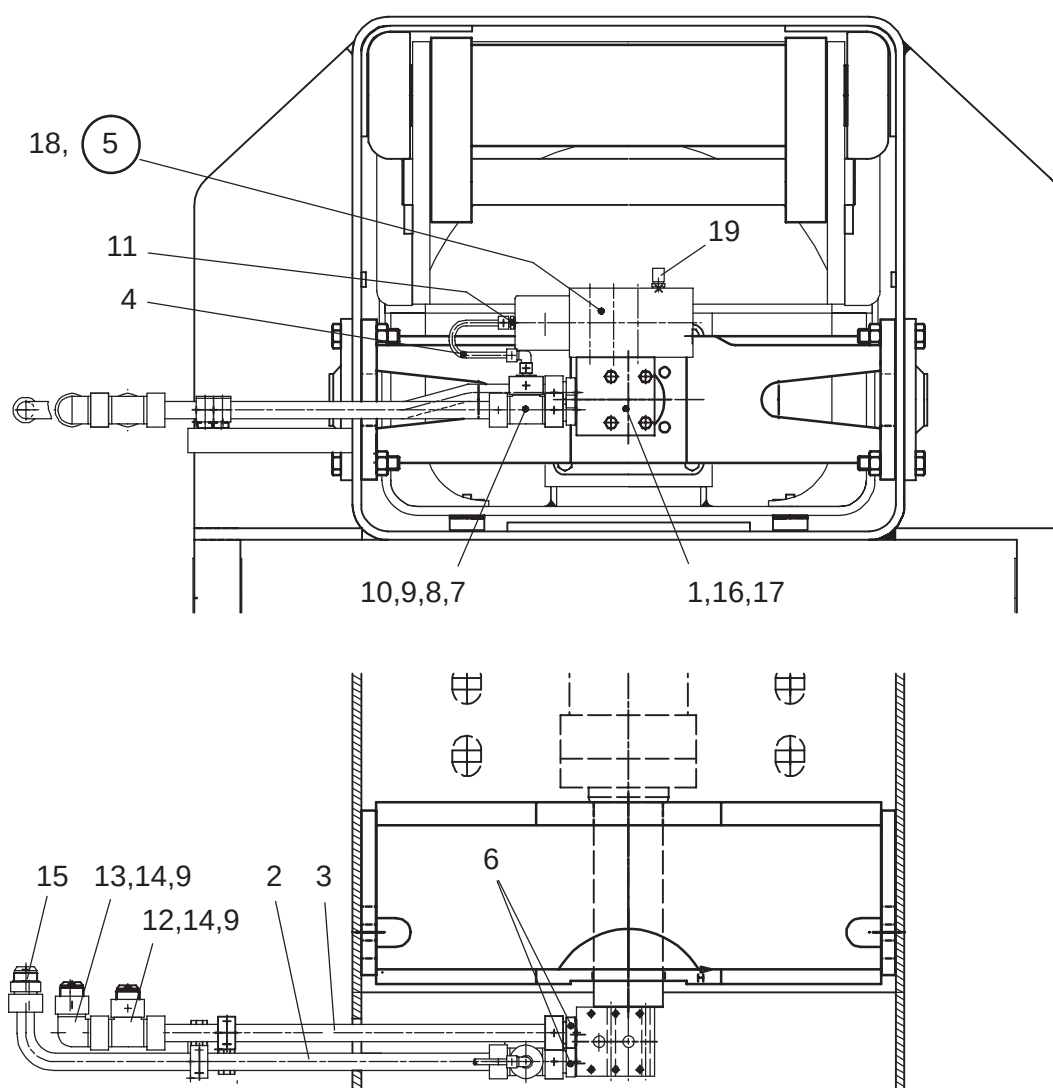


		Description Descrição Valve			Date Data 00-03-68	Module Módulo KV06-0114	Page Página 23
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	K0804068H	1		Vicke	DG4V-3-24A-MU-H7
2	Solenoid	Bobina	804705817	1		Vicke	507848 24VDC
3	Contact plug	Ficha	N0809069H	1		Vicke	710775 musta
4	Gasket set	Jogo juntas	804705818	1		Vicke	858995

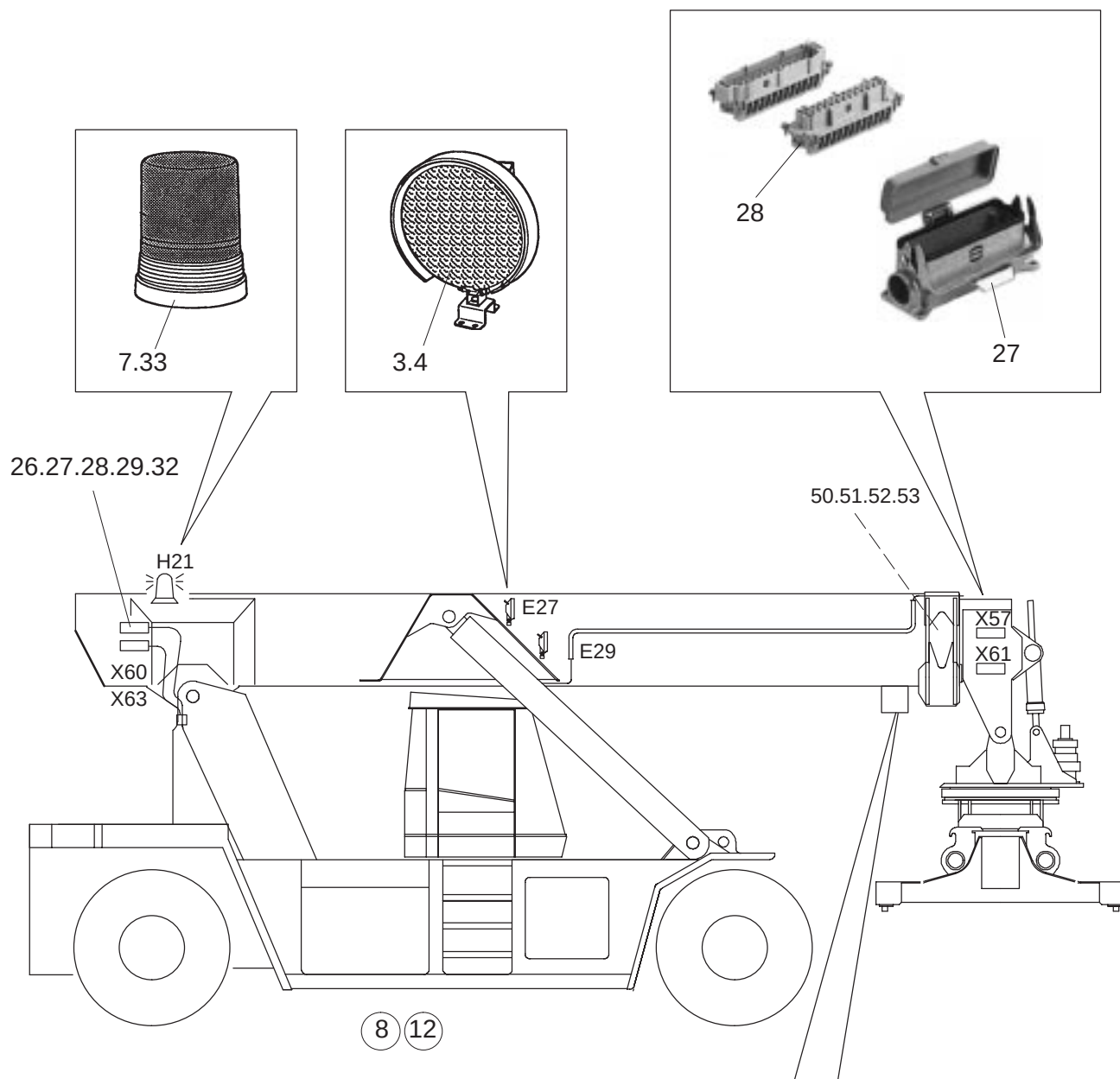
Page Página 24	Module Módulo KV06-0114	Date Data 00-03-16	Description Descrição Hydr.equipment	
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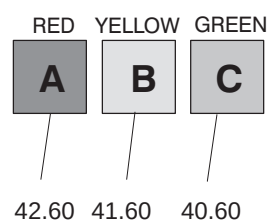
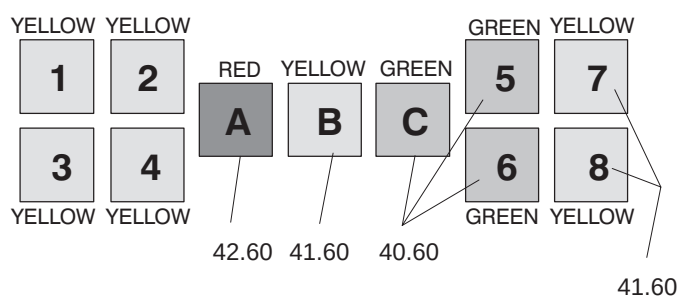
		Description Descrição Hydr.equipment			☐	Date Data 00-03-16	Module Módulo KV06-0114	Page Página 25
Item.	Description		Order no.	Qty	S	Notes		
1	Hose	Tubo	VL05405528	4		VLS62038 30/25		
2	Fitting	União	643065161	2				
3	Hose	Tubo	VL05405526	1				



			☐		Date Data	Module Módulo	Page Página
Description Descrição			Valve mount.		97-07-04	KV06-0114	27
Item.	Description		Order no.	Qty	S	Notes	
1	Fitting	União	T5506050	1			
2	Tube	Tubo	K5211730	1			
3	Tube	Tubo	T5504260	1			
4	Tube	Tubo	K5211740	1			
5	Valve compl.	Válvula compl.	T0806089H	1		Rexro	FD32PA2XB40V
6	Fitting	União	643445301	2			VLS62021 30JIC/R1
7	Fitting	União	643485123	1		Parke	20R6XS
8	Fitting	União	643461301	1			VLS62037 30/10JIC
9	Nut	Porca	64163931	3			VLS62050 30JIC
10	Fitting	União	64345710	1			VLS62033 10JIC/9/16-18
11	Fitting	União	643445101	1			VLS62021 10JIC/R1/4
12	Fitting	União	64306920	1			VLS62031 30JIC
13	Fitting	União	64345730	1			VLS62033 30JIC/1 5/8
14	Fitting	União	643461309	1			VLS62037 30/25JIC
15	Fitting	União	643065161	1			VLS62038 30/25
16	Gasket	Junta	61440263	2		SMS1586	26.2x3
17	Screw	Parafuso	53160239	4		ISO4014	M12x140
18	Screw	Parafuso	53160199	6		ISO4014	M10x140
19	Measuring connector		64332191	1		EMA	3/R/1/4-ED/A3C
	Ligação para manómetros						



With the combi attachment (optional)



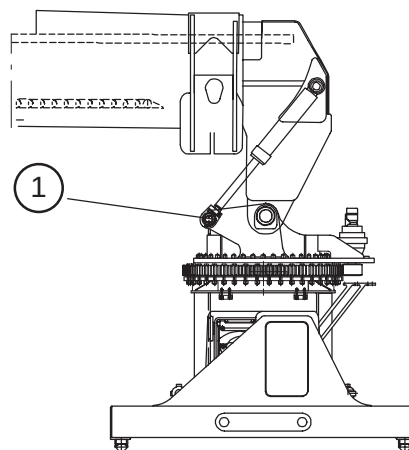
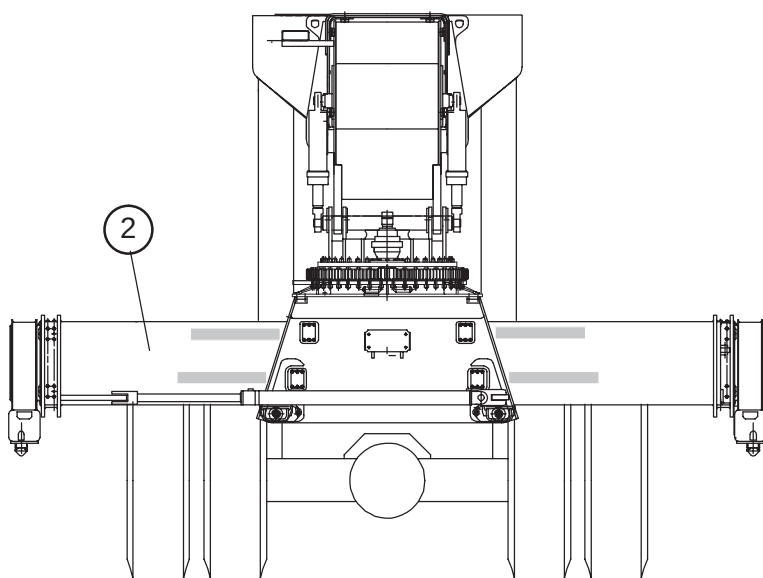
		Description Descrição El.equipm. for boom			☐	Date Data 00-10-05	Module Módulo KV06-0114	Page Página 29
Item.	Description		Order no.	Qty	S	Notes		
3	Working ligh	Farol de trabalho	65713251	4		Bosch	0306980003	
4	Bulb	Luz	65089570	4		Phili	70W 24V 133	
7	Flashing	Luz intermitente	65714010	1		Hella	2RL 004 958 111	
8	Wiring set	Conjunto instalação elect.	T5654900	1				
12	Wiring to hydr.	Cablagem para a hidráulica	T5654880	1				
27	Housing	Caixa	65243529	4		Harti	09300240295	
28	Inner part	Parte interior	65241444	4		Harti	09330242701	
32	Dowel pin	Perne-guia	65244901	4		HARTI	09.30.000.9901	
33	Glass	Vidro	806107851	1		Hella	9EL 856418-001	
40	Light	Luz	65714015	1		Hella	2BA378091-001	
41	Light	Luz	65714011	1		Hella	2BA003014-017	
42	Light	Luz	65716031	1		Hella	2DA003014-031	
50	Connection	União	65210860	5		OEM	MPM S18209TC321	
51	Inductive Switch		65237156	2			3N5359160	
52	Connection	União	65214319	6		AMP	1-0826886-2 3N	
53	Contact part	Parte de contacto	65214320	2		ECONAMP	0-0925601-3	
60	Bulb	Luz	65080505	3		Phili	10W 24V BA15S 13814	

KV06-0108

Spreader

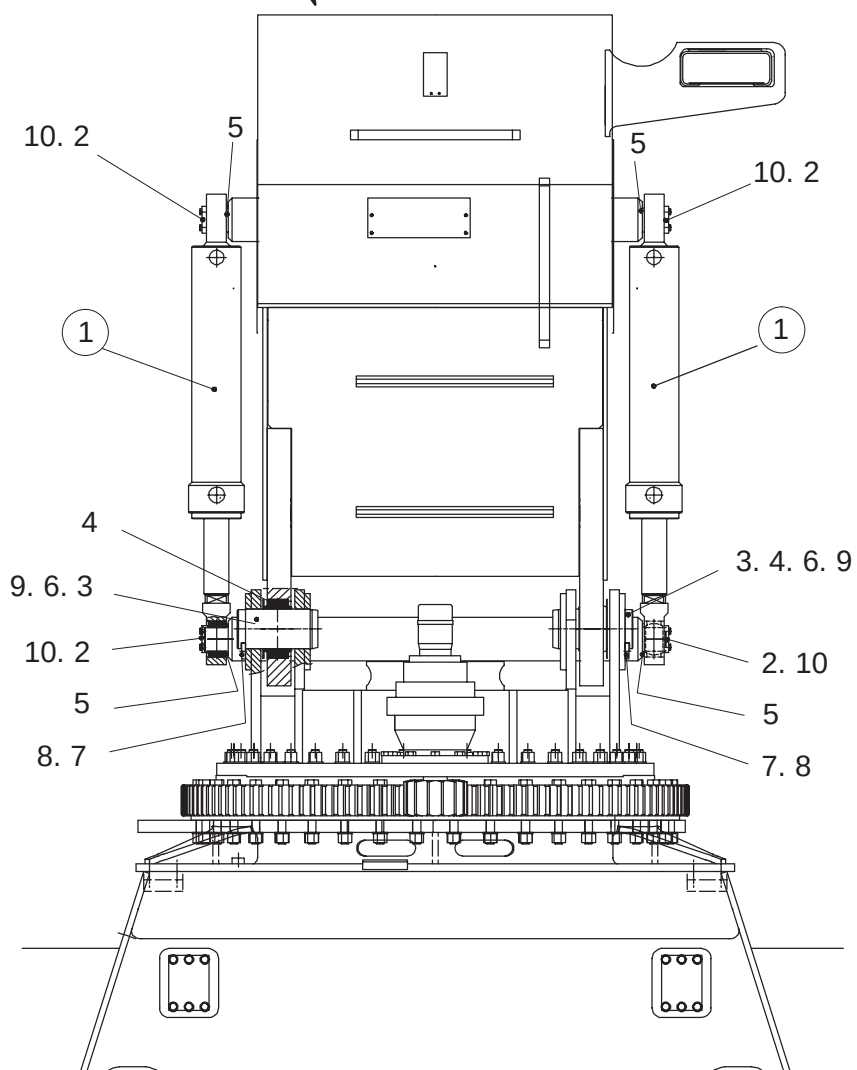
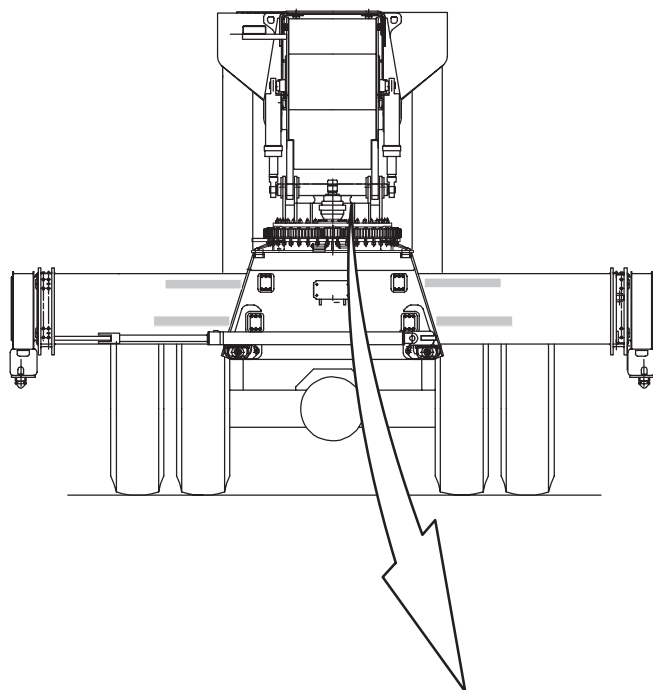
Spreader

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV06-0108	00-03-21	Lift, mount	

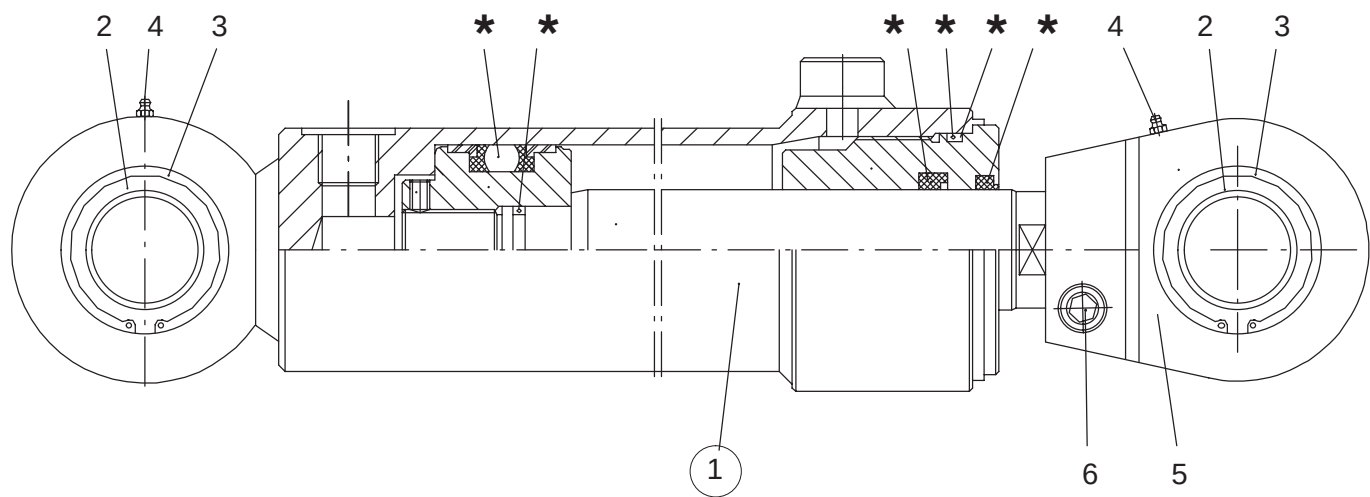


		Description Descrição Lift, mount			☐	Date Data 00-03-21	Module Módulo KV06-0108	Page Página 3
Item.	Description	Order no.	Qty	S	Notes			
1	Spreader see page 5	Separador	1					
2	Lift frame, compl. see page 11	Quadro de levantamento, compl.	1					

Page Página	Module Módulo	Date Data	Description Descrição	
4	KV06-0108	00-03-21	Lift, mount	

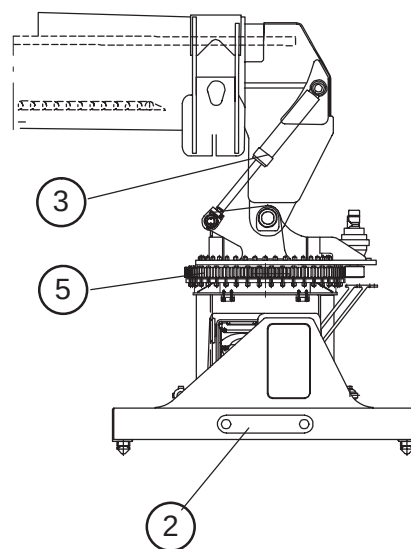
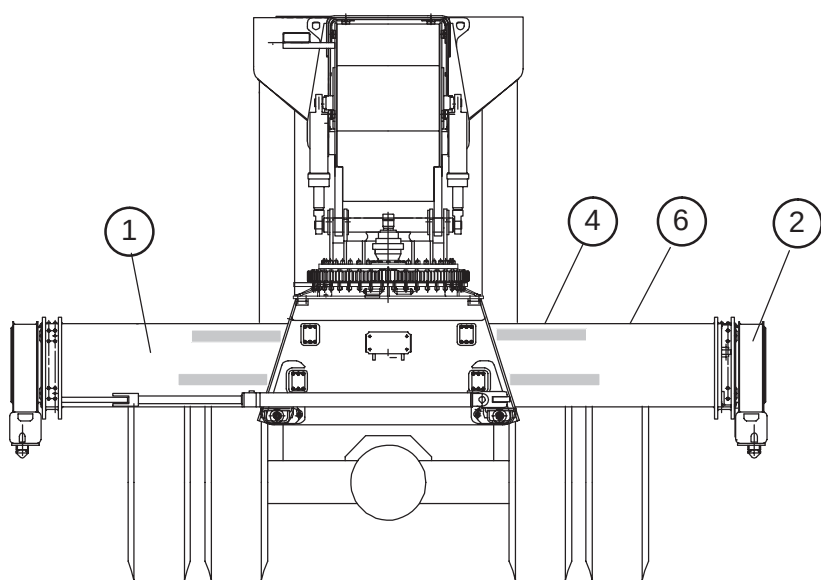


		Description Descrição Lift, mount			Date Data 00-03-21	Module Módulo KV06-0108	Page Página 5
Item.	Description	Order no.	Qty	S	Notes		
1	Cylinder, compl. see page 7	Cilindro, compl.	K0702013H	2			
2	Lock plate	Freio	T5617620	4			
3	Shaft	Eixo	K5688150	2			
4	Bearing	Rolamento	61132990	2		INA	GE100 DO.2RS
5	Ring	Anel	K5671700	4			
6	Shim	Anilha	T5084600	8			
7	Axle retainer	Retentor do eixo	61760040	2			VLS464.01 40
8	Screw	Parafuso	53060302	4		ISO4017	M16x35
9	Adjusting ring	Anel de afinação	T5618061	4			
10	Screw	Parafuso	53060138	8		ISO4017	M8x20



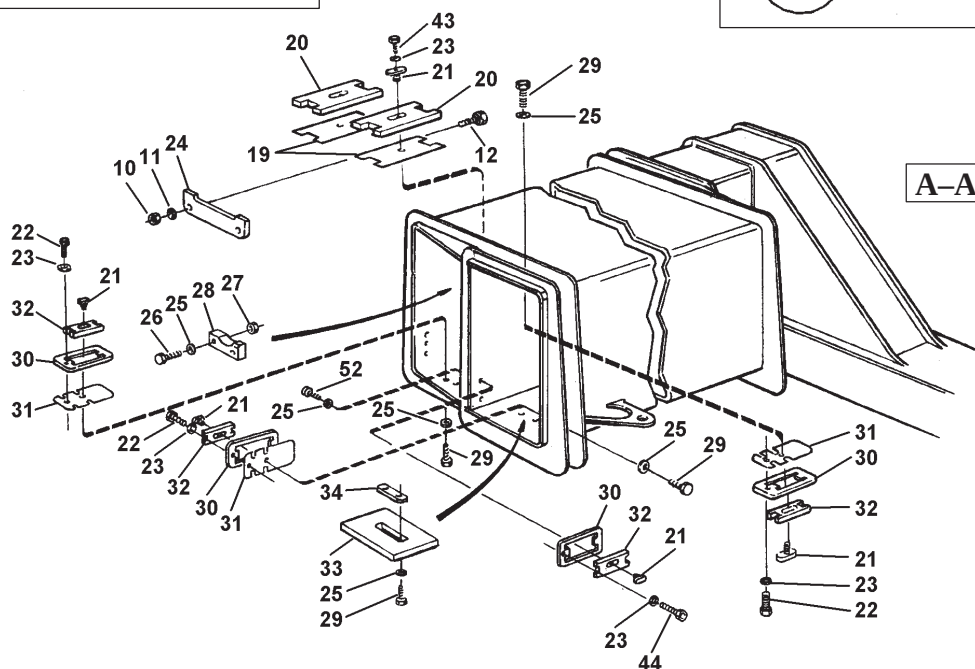
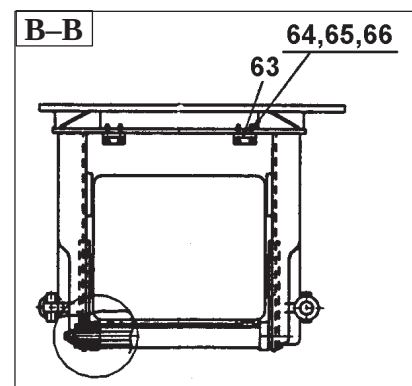
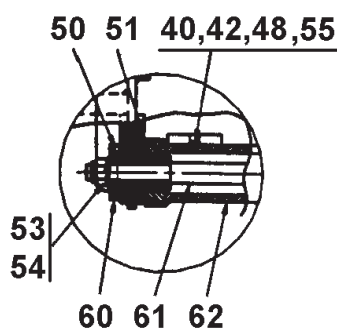
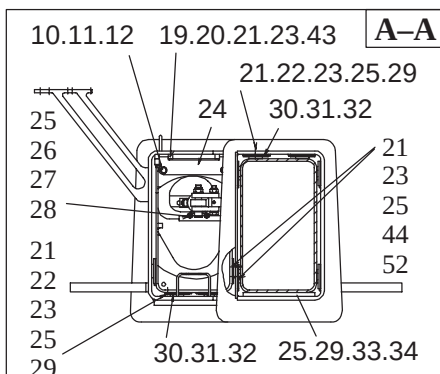
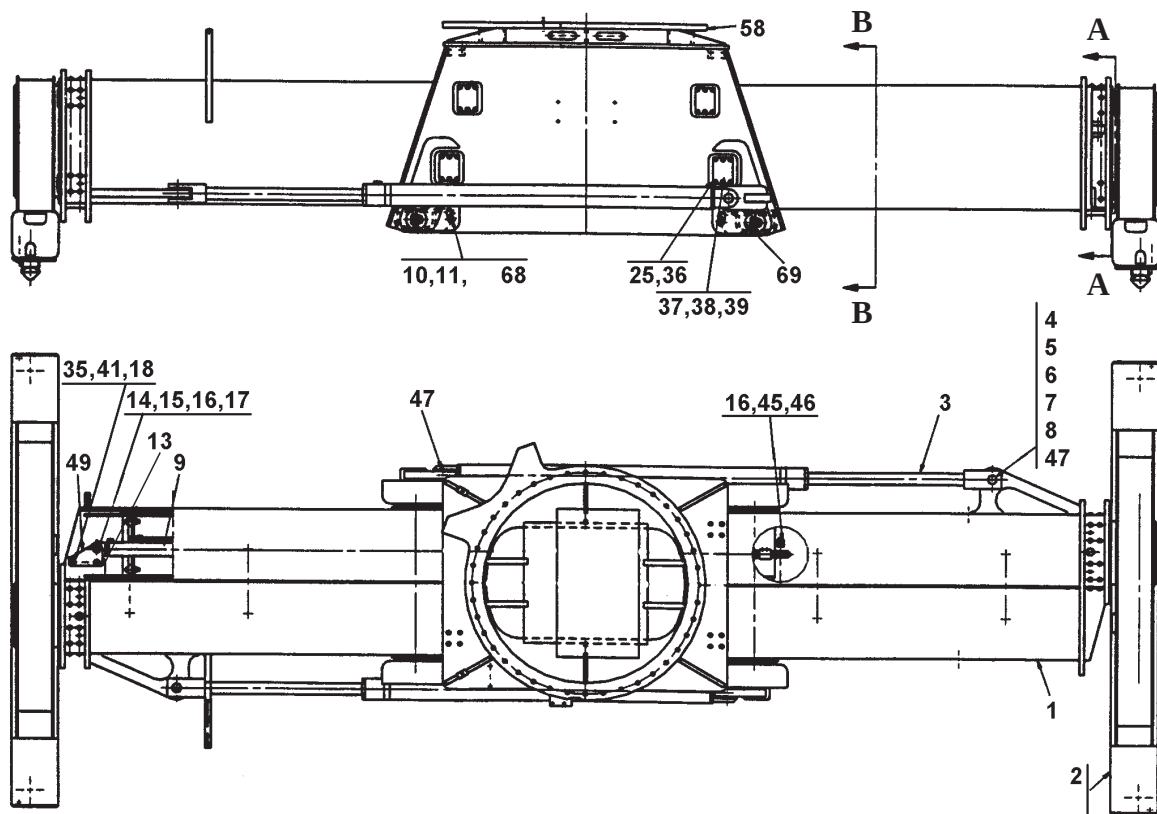
		Description Descrição Cylinder			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 7
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	K0702013H	1		Norrh.	A-05-110/63x500	
2	Bearing	Rolamento	611326031	2			GE 60 DO.2RS	
3	Circlip	Freio	61733090	2		DIN 472/1	90X3	
4	Grease fitting	Bico de lubrificação	64411203	2		DIN71412	R1/8	
5	Eye nut	Porca com olhal	807605548	1		Norrh.	40107-61	
6	Screw	Parafuso	58130626	1		DIN912	M16x45	
*	Gasket set	Jogo juntas	807605541	1		Norrh.	40107-05	

Page Página	Module Módulo	Date Data	Description Descrição	
8	KV06-0108	00-03-21	Hoisting device	



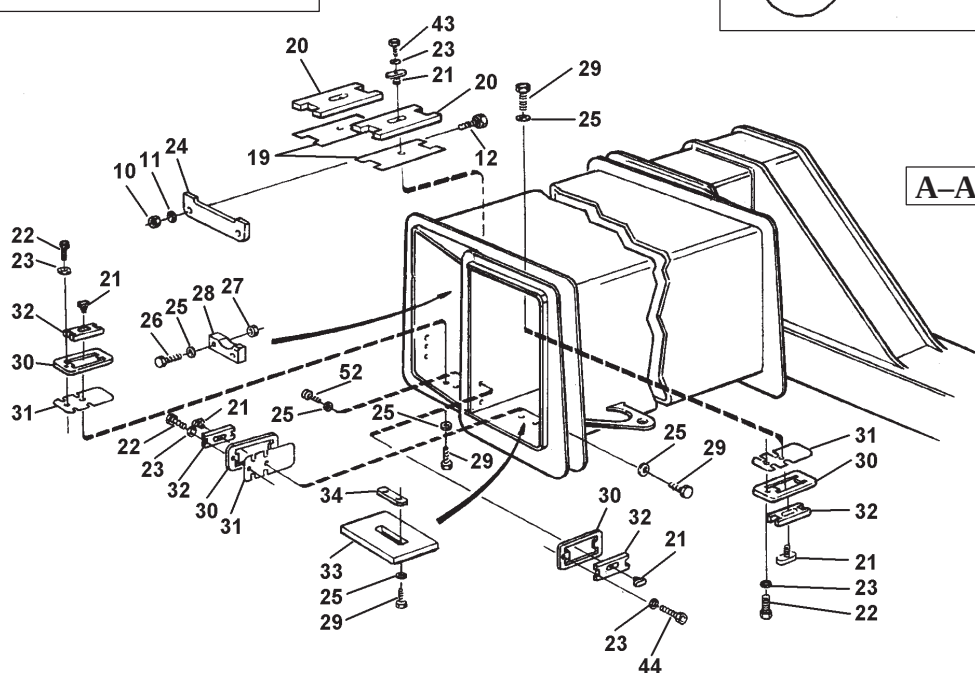
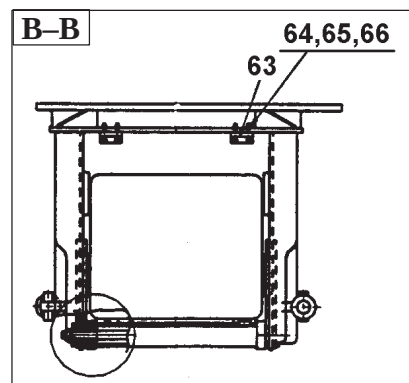
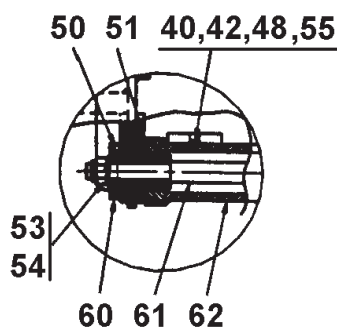
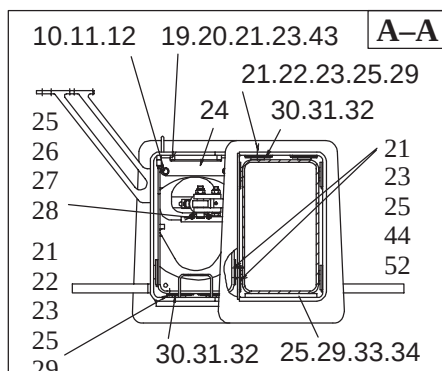
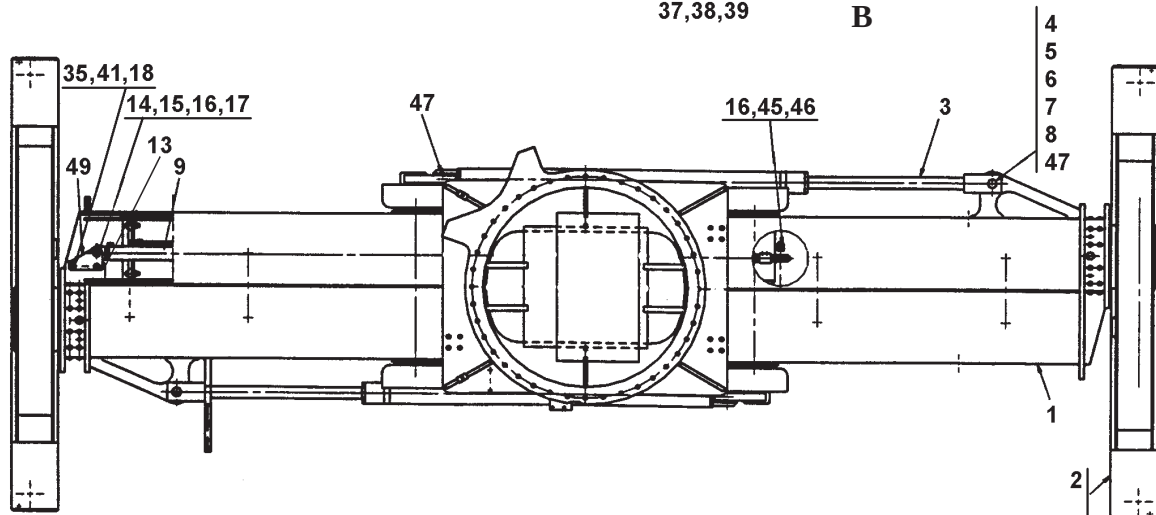
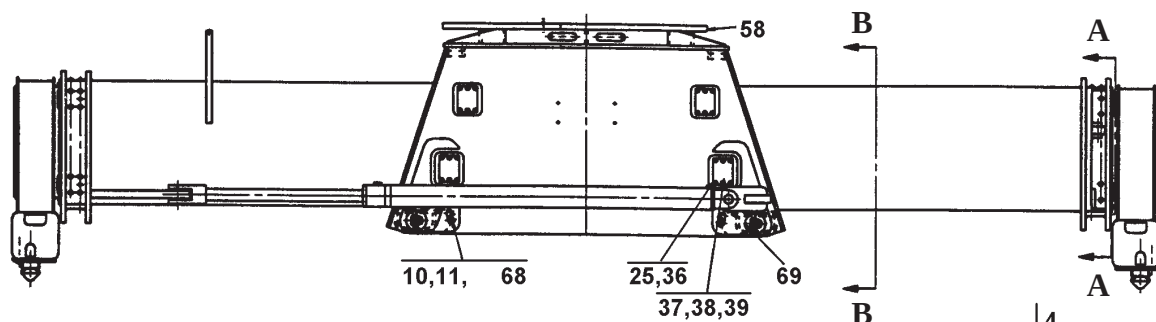
		Description Descrição Hoisting device			☐	Date Data 00-03-21	Module Módulo KV06-0108	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
1	Lift frame, compl. see page 11	Quadro de levantamento, compl.	K5686300	1				
2	T-balk, compl. see page 19	Trave em T, compl.	K5686270	2				
3	Hydr/rotation shaft . see page 23	Hidr/veio de rotação	K5687750	1				
4	Hydr/lift frame see page 23	Hidr/quadro de elevação	K5687320	1				
5	Drive device see page 35	Transmissão	K5686200	1				
6	El.equipment see page 33	Equipamento eléctrico	T5653630	1				

Page Página 10	Module Módulo KV06-0108	Date Data 00-03-27	Description Descrição Lift frame, compl.	
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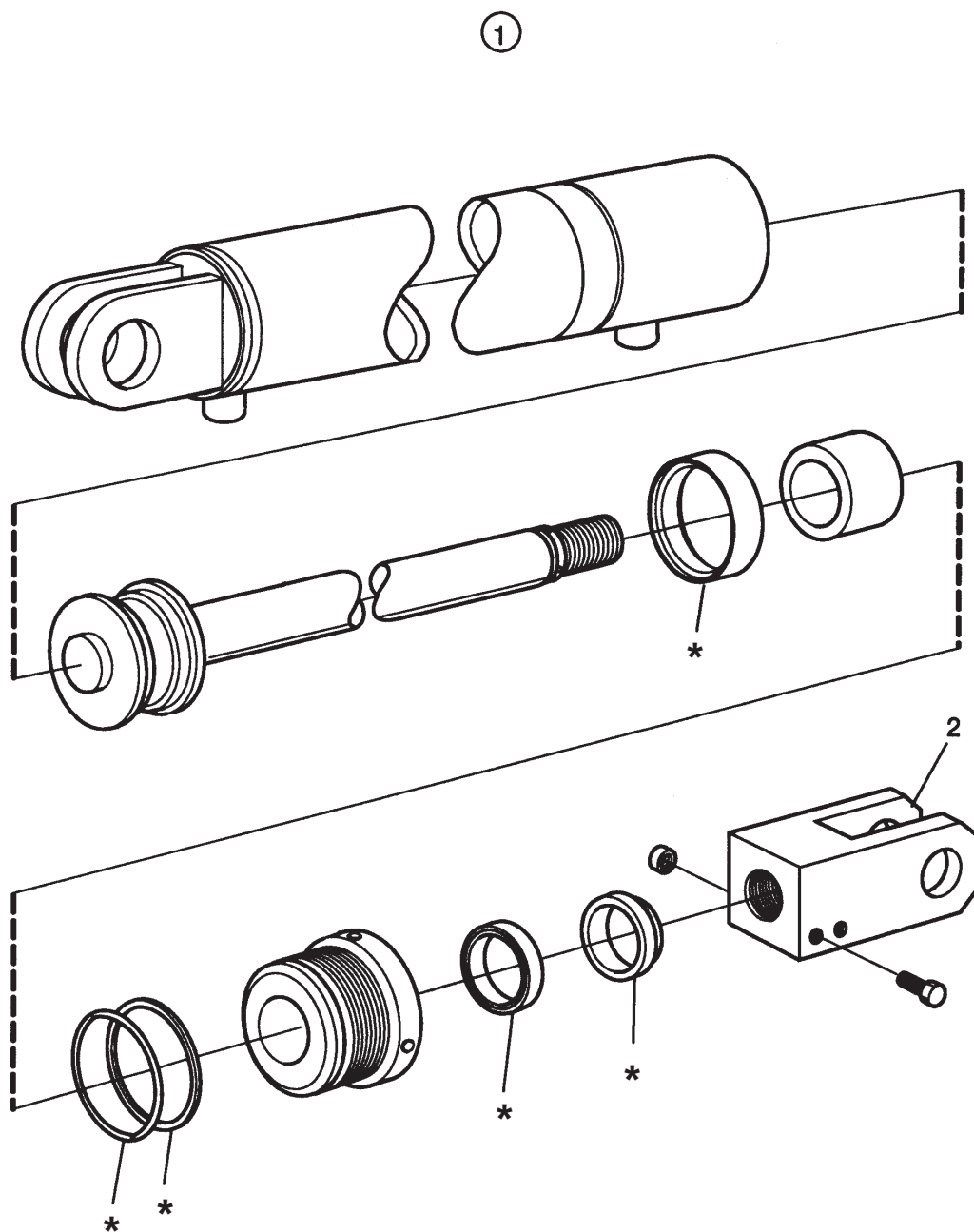
			☐		Date Data	Module Módulo	Page Página
Description Descrição			Lift frame, compl.		00-03-27	KV06-0108	11
Item.	Description		Order no.	Qty	S	Notes	
1	Frame	Estrutura de suporte	K5686280	1			
2	T-balk	Trave em T	K5686240	2			
3	Cylinder, compl. see page 15	Cilindro, compl.	K0702001H	2		A24057.0100 02	
4	Shaft	Eixo	K5679090	4		SF2484.035	
5	Circlip	Freio	61730050	8		DIN471	50x2
6	Circlip	Freio	61733075	8		DIN472	75x2,5
7	Bearing	Rolamento	61131503	4		INA	GE50DO.2RS
8	Grease fitting	Bico de lubrificação	64411203	4		DIN71412	509F-1/8
9	Cylinder, compl. see page 17	Cilindro, compl.	K0702003H	2		A24818.0100	
10	Nut	Porca	51010160	8		DIN985	M16
11	Washer	Anilha	50012160	8		DIN125	17
12	Screw	Parafuso	53160309	4		ISO4014	M16X70
13	Screw	Parafuso	56270546	4		DIN916	M12x45
14	Tube	Tubo	24303042	2		L=80	
15	Screw	Parafuso	58170719	2		DIN912	M24x120-12.9
16	Nut	Porca	51010240	4		DIN985	M24
17	Washer	Anilha	50012240	4		DIN125	25
18	Screw	Parafuso	53160397	4		ISO4014	M20X120
19	Shim	Anilha	K5678980	4		A19155.0100	
20	Slide piece	Calha	K5678900	4		A19157.0100	
21	Nut	Porca	K5679060	26		A09775.0100	
22	Screw	Parafuso	53060141	14		ISO4017	M8x30
23	Washer	Anilha	50012080	26		DIN125	8.4
24	Lock washer	Anilha de freio	K5678930	2		A19151.0100	
25	Washer	Anilha	50012120	148		DIN125	13
26	Screw	Parafuso	53060227	4		ISO4017	M12x60
27	Nut	Porca	51010120	4		DIN985	M12
28	Slide piece	Calha	K5678890	2		A04370.0100	
29	Screw	Parafuso	53060220	60		ISO4017	M12x35
30	Lock washer	Anilha de freio	K5678940	22		A19152.0100	
31	Shim	Anilha	K5678990	38		A19154.0100	
32	Slide piece	Calha	K5678880	22		A05897.0600	
33	Slide piece	Calha	K5678190	2		A19149.0100	
34	Lock washer	Anilha de freio	K5678950	2		A19153.0100	
35	Nut	Porca	51010200	4		DIN985	M20
36	Screw	Parafuso	53060223	48		ISO4017	M12x40
37	Slide piece	Calha	K5678180	8		923420.0003	
38	Cover	Tampa	K5678920	8		460695.0200	
39	Shim	Anilha	K5678960	20		460735.0100	
40	Slide piece	Calha	K5678180	4		A21182.0100	
41	Lock washer	Anilha de freio	50192200	8		M20	
42	Lock washer	Anilha de freio	K5679050	4		A22398.0100	
43	Screw	Parafuso	53060142	4		ISO4017	M8x35
44	Screw	Parafuso	53060138	8		ISO4017	M8x20
45	Tube	Tubo	24303042	2		L=33	
46	Screw	Parafuso	58170722	2		DIN912	M24x150-12.9
47	Spacing ring	Anel espaçador	K5679020	4		A01401.0100	
48	Screw	Parafuso	58830460	4		DIN7991	M8x20-10..9
49	Lug	Suporte	K5679030	4		A11205.0100	
50	Tubular pin	Pino tubular	59539465	4		DIN1481	8x40
51	Bearing	Rolamento	61807035	4		D&E	LI WB802 WF 7035
52	Screw	Parafuso	53060218	32		ISO4017	M12x20

Page Página 12	Module Módulo KV06-0108	Date Data 00-03-27	Description Descrição Lift frame, compl.	☐ 
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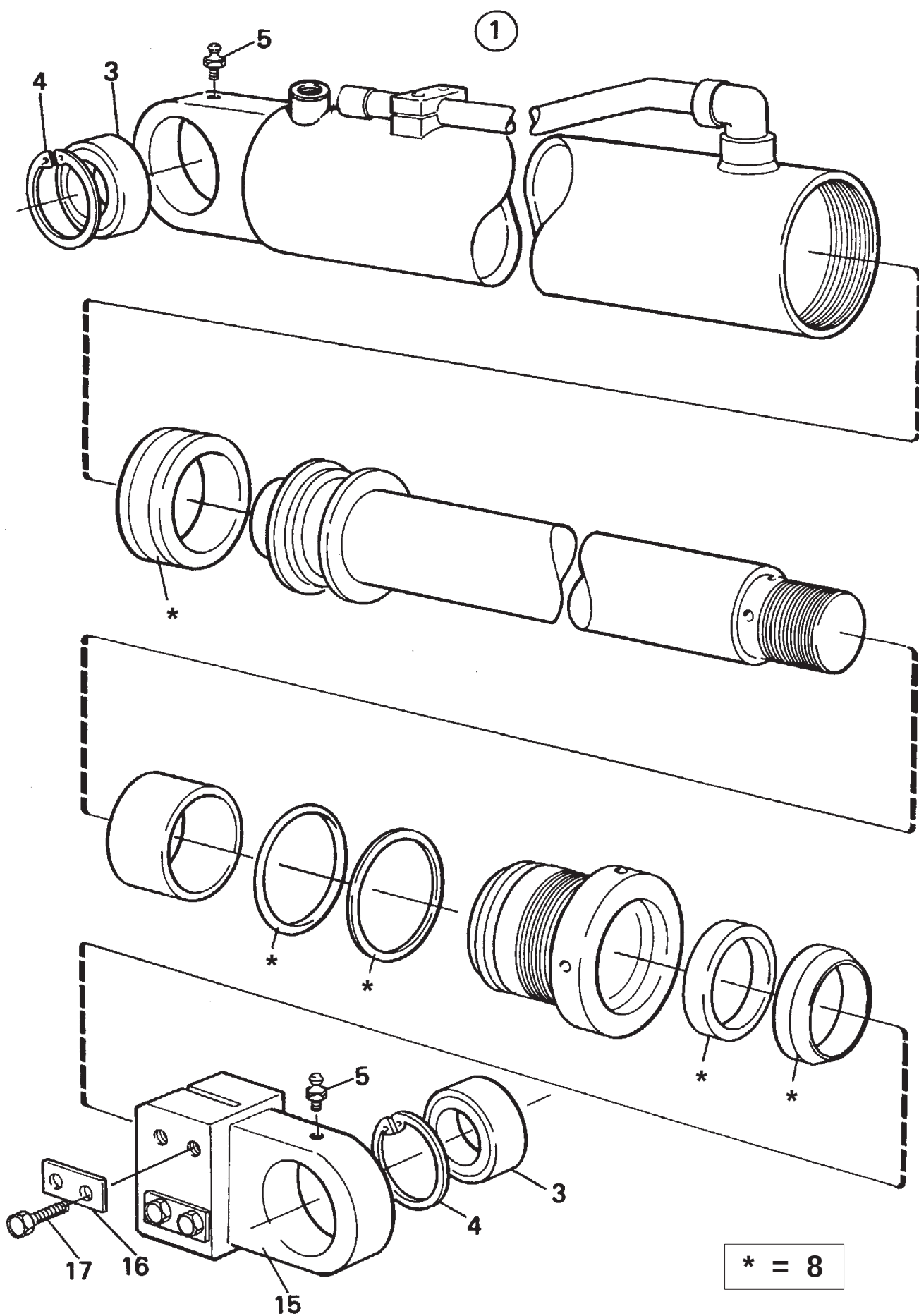
			☐		Date Data	Module Módulo	Page Página
Description Descrição Lift frame, compl.					00-03-27	KV06-0108	13
Item.	Description	Order no.	Qty	S	Notes		
53	Nut Porca	51010300	4		DIN985	M30	
54	Lock washer Anilha de freio	50192300	4			M30	
55	Shim Anilha	K5679010	1			A31386.0100	
58	Side sifting frame	K5686290	1				
60	Shaft Eixo	K5679230	4			A22271.0100	
61	Rod Veio	K5679040	2			A22273.0100	
62	Support Suporte	K5678840	2			A22391.0100	
63	Slide piece Calha	K5678170	4			A22274.0100	
64	Screw Parafuso	58130511	16		DIN912	M10x70	
65	Washer Anilha	50012100	16		DIN125	10.5	
66	Nut Porca	51010100	16		DIN985	M10	
68	Screw Parafuso	58170629	4		DIN912	M16x60-12.9	
69	Grease fitting Bico de lubrificação	64414203	4		DIN71412	519F-1/8	

Page Página 14	Module Módulo KV06-0108	Date Data 00-03-27	Description Descrição Cylinder	☐	
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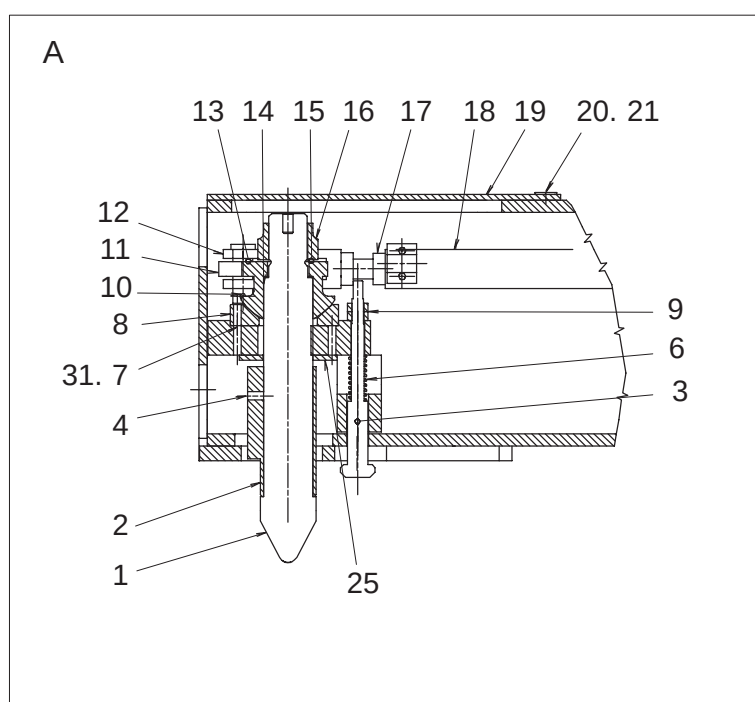
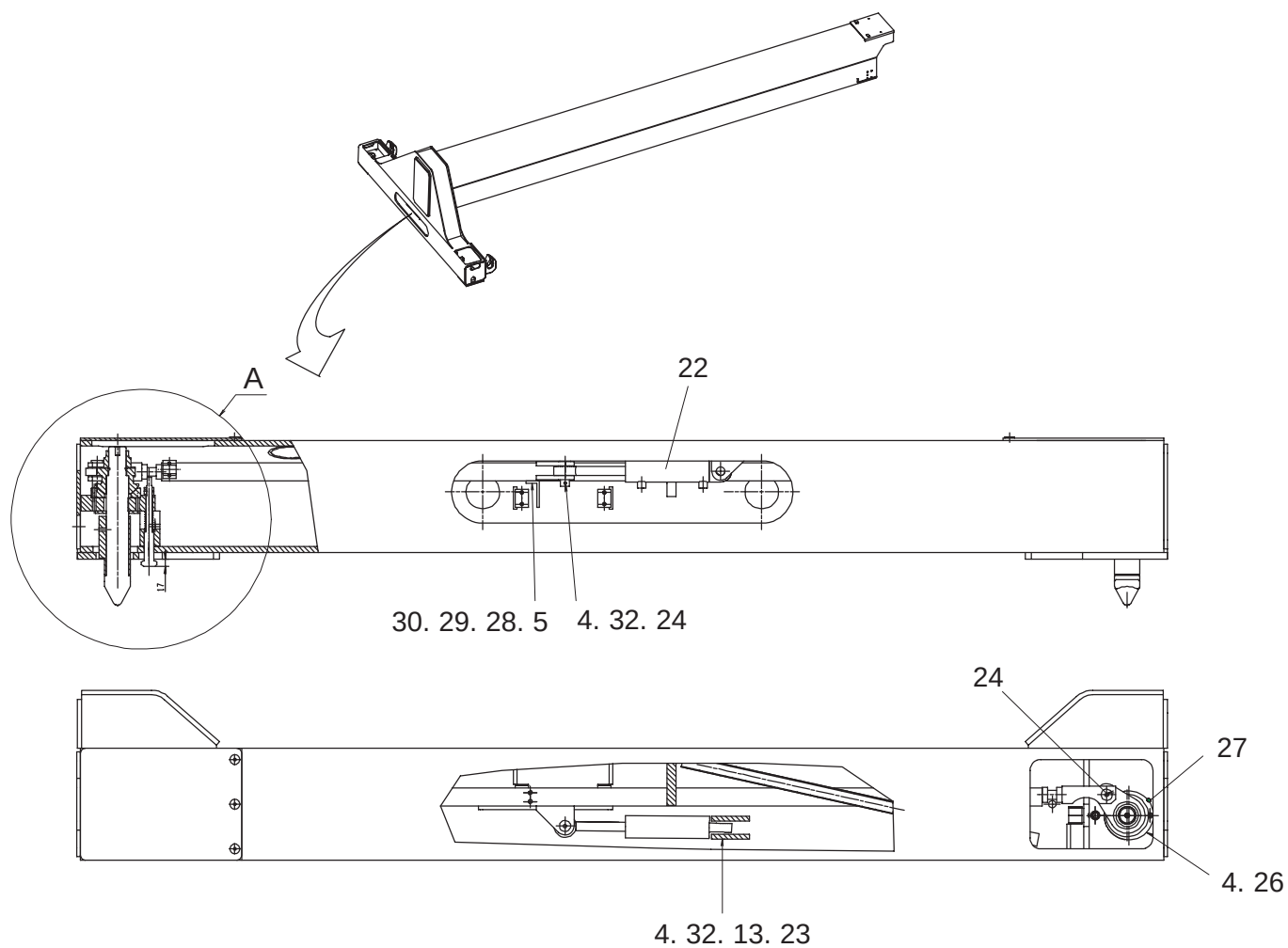


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		Description Descrição Cylinder			☐	Date Data 00-03-27	Module Módulo KV06-0108	Page Página 15
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	K0702001H	1		A24057.0100.		
2	Fastener	Ligador	A19633.0100	1				
3	Gasket set	Jogo juntas	454452.5800	1				



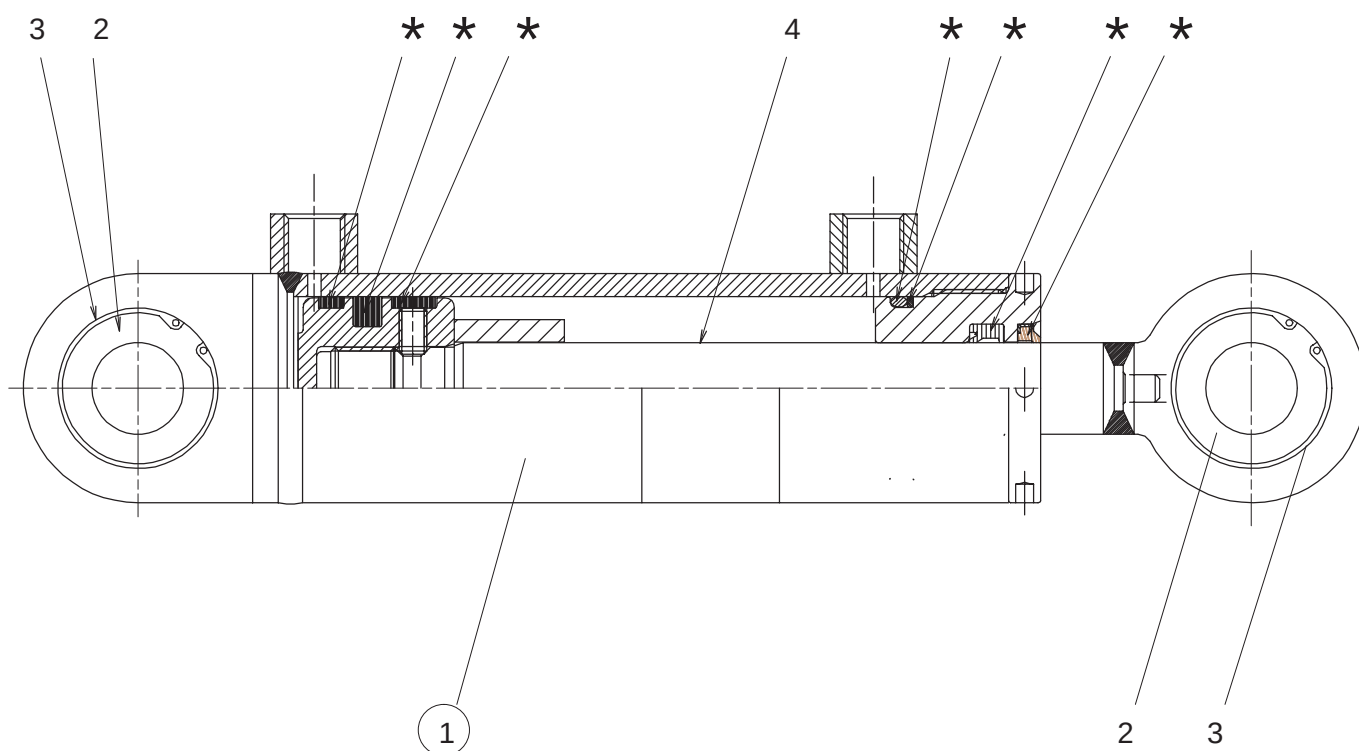
		Description Descrição Cylinder	☐		Date Data 00-03-27	Module Módulo KV06-0108	Page Página 17
Item.	Description		Order no.	Qty	S	Notes	
1	Cylinder, compl.	Cilindro, compl.	K0702003H	1		A24818.0100.	
3	Bearing	Rolamento	921463.0001	2			
4	Circlip	Freio	95070	2			
5	Grease nipple	Lubrificador	160	2			
8	Gasket set	Jogo juntas	920744.0033	1			
15	Fastener	Ligador	A11037.0100	1			
16	Locking plate	Chaveta	457188.0400	2			
17	Screw	Parafuso	920042.010	4			



			☐		Date Data	Module Módulo	Page Página
Description Descrição			T-beam, compl.		00-03-21	KV06-0108	19
Item.	Description		Order no.	Qty	S	Notes	
1	Catch	Gancho	K5679210	2		A31389.01	
2	Guide bushing	Casquilho guia	K5679120	2		A15912.01	
3	Feeler	Contacto	K5686380	2			
4	Grease fitting	Bico de lubrificação	64411203	6		DIN71412 1/8" 509-F	
5	Lug	Suporte	K5679190	1		A30654.01	
6	Spring	Mola	K5686390	2			
7	Tubular pin	Pino tubular	59539465	2		DIN1481 8x40	
8	Bearing housing	Caixa rolamento	K5679220	2		K5679160	
9	Nut	Porca	50410120	2		ISO4032 M12	
10	Cotter pin	Contrapino	59415267	2		DIN94 4X50	
11	Pivoted level	Alavanca basculante	K5679160	2		A12097.01	
12	Swivel head	Articulação	K5679130	2		A12090.01	
13	Support ring	Anel de suporte	K5679330	14		921464.0034	
14	Key	Chaveta	K5679390	2			
15	Lock washer	Anilha de freio	50192390	2		M39	
16	Nut	Porca	51010390	2		DIN985 M39	
17	Nut	Porca	50410200	2		ISO4032 M20	
18	Rod	Veio	K5679140	1		A09566.01	
19	Rubber plate	Prato de borracha	K5678910	2		A15913.01	
20	Washer	Anilha	50025060	6		DIN440 6	
21	Rivet	Rebite	59752666	6		4.8x20	
22	Cylinder	Cilindro	K0702002H	1			
	see page 21						
23	Axle pin	Cavilha	K5679080	1		A12098.02	
24	Shaft	Eixo	K5679110	3		SE4041	
25	Washer	Anilha	K5679270	2		A30952.01	
26	Grease fitting	Bico de lubrificação	64418203	2		DIN71412 1/8" 509-F	
27	Plug	Ficha	64002606	2		DIN908 G1/8	
28	Screw	Parafuso	53160147	2		ISO4014 M8X60	
29	Washer	Anilha	50012080	2		DIN125 8.4	
30	Nut	Porca	51010080	2		DIN985 M8	
31	Tubular pin	Pino tubular	59539343	2		DIN1481 5x32	
32	Pin	Pino	59552346	2			

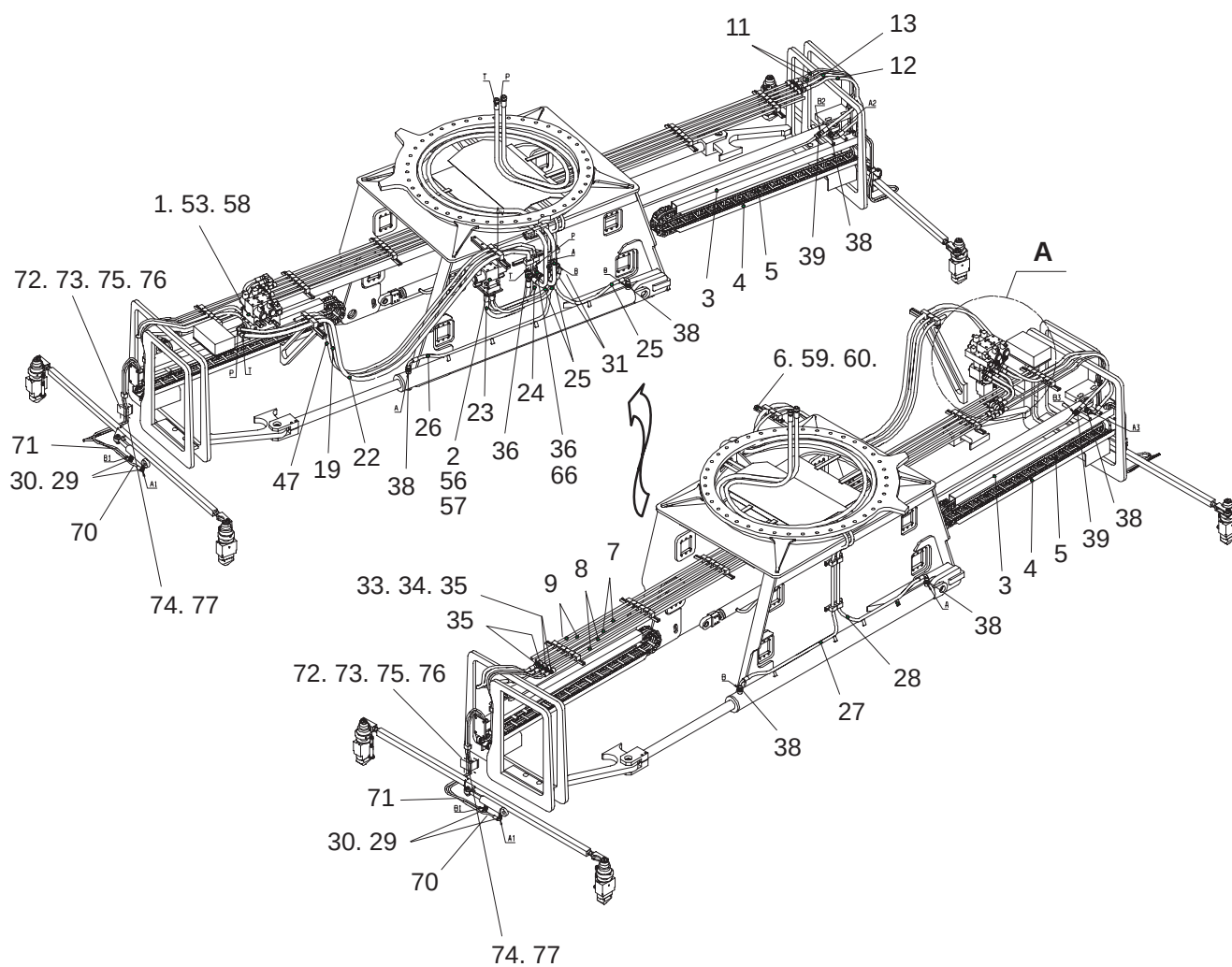
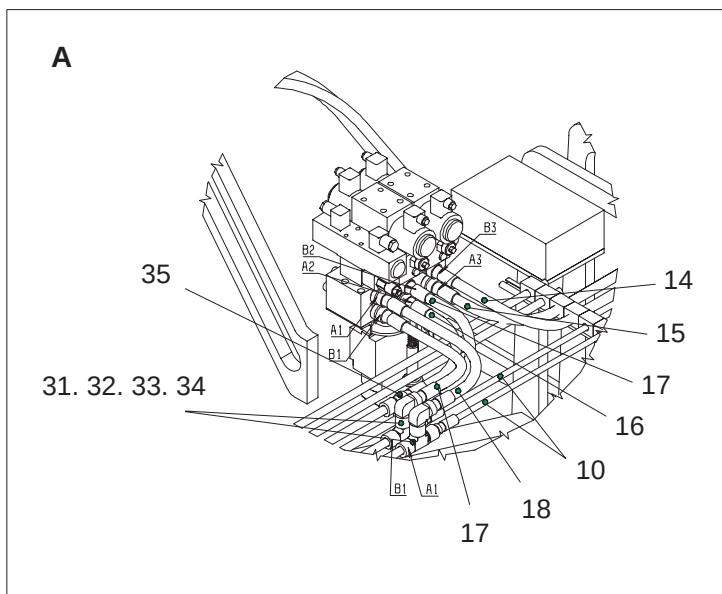
Page Página 20	Module Módulo KV06-0108	Date Data 00-03-22	Description Descrição Cylinder	☐	
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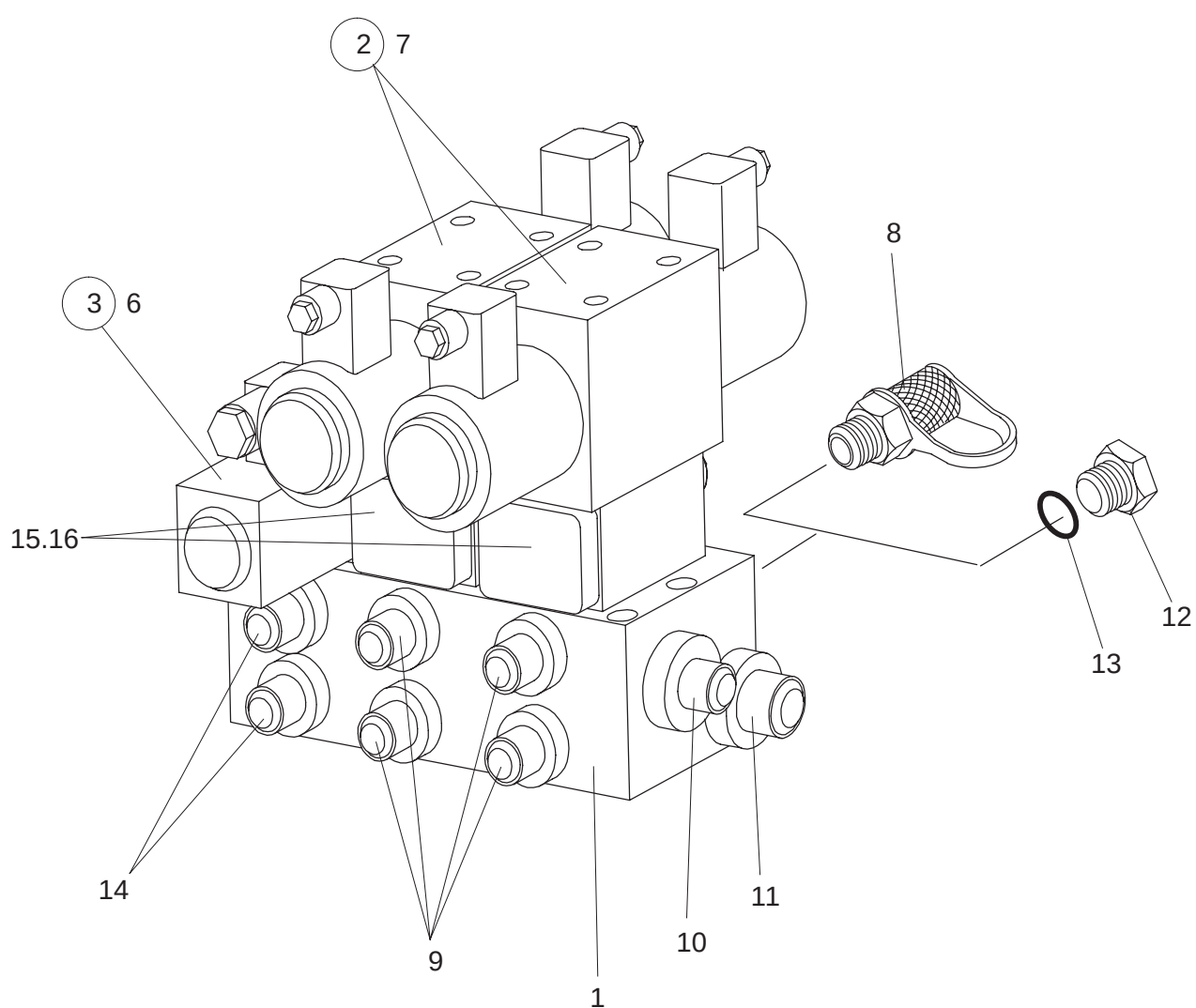
		Description Descrição Cylinder			☐	Date Data 00-03-22	Module Módulo KV06-0108	Page Página 21
Item.	Description		Order no.	Qty	S	Notes		
1	Cylinder, compl.	Cilindro, compl.	K0702002H	1		A33088.0100		
2	Bearing	Rolamento	61131201	1		SKF GE 20 ES.2RS		
3	Circlip	Freio	61733035	2		DIN472/1 35x1.5		
4	Piston	Pistão	A33089.000003	1				
7	Gasket set	Jogo juntas	454452.8300	1				

Page Página 22	Module Módulo KV06-0108	Date Data 00-09-14	Description Descrição Hydr. equipment	
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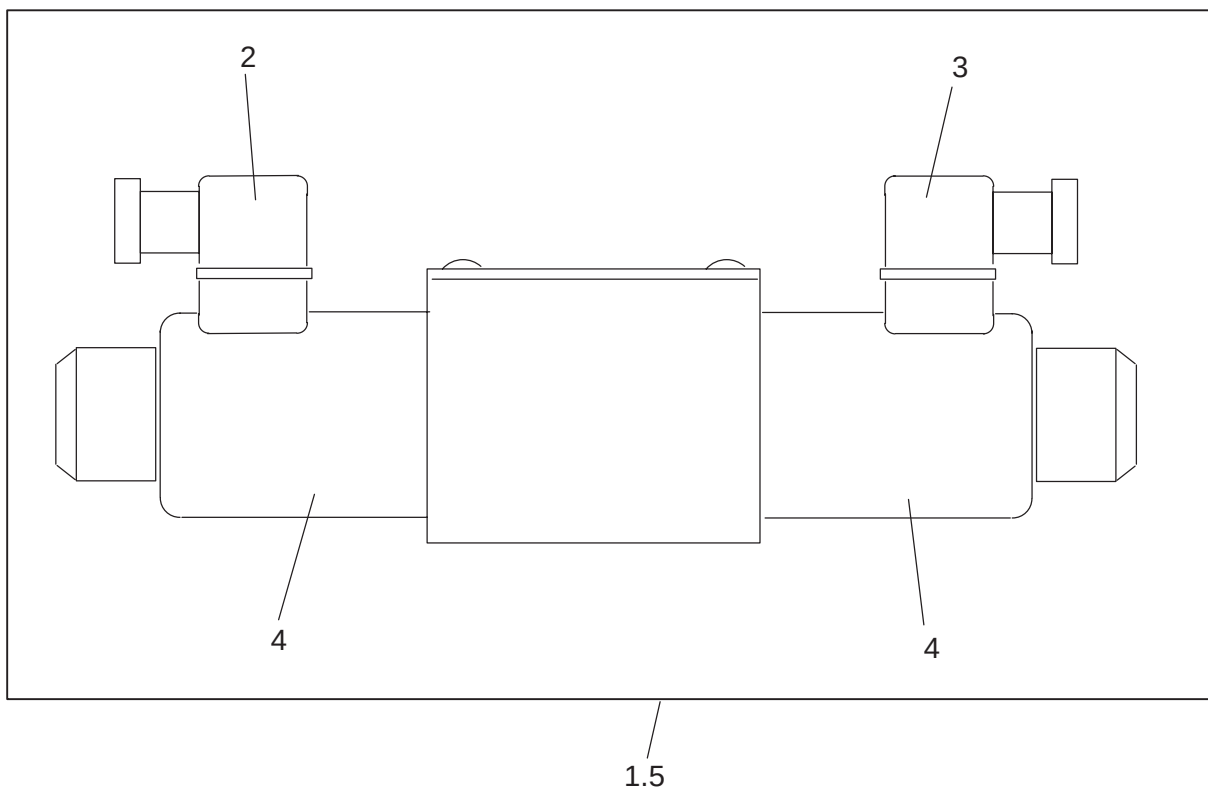


		Description Descrição Hydr. equipment			☐	Date Data 00-09-14	Module Módulo KV06-0108	Page Página 23
Item.	Description		Order no.	Qty	S	Notes		
1	Valve, mount. see page 25	Válvula, mont.		1		K5680420		
2	Valve, mount. see page 31	Válvula, mont.		1		K5687340		
3	Support	Suporte	K5679290	2		337524.01		
4	Cable shelf	Prateleira de cabos	K5679260	2		337523.01		
5	Cable chain	Corrente de cabos	K2302155H	2		922772.0005		
6	Support	Suporte	K5687930	1				
7	Tube	Tubo	VL05514200	2				
8	Tube	Tubo	VL05514120	2				
9	Tube	Tubo	24162033	2		L=4700		
10	Hose	Tubo	VL05350049	2				
11	Hose	Tubo	VL05350047	2				
12	Hose	Tubo	VL05402913	1				
13	Hose	Tubo	VL05403613	1				
14	Hose	Tubo	VL05402917	1				
15	Hose	Tubo	VL05403617	1				
16	Hose	Tubo	VL05402906	1				
17	Hose	Tubo	VL05402907	2				
18	Hose	Tubo	VL05402908	1				
19	Hose	Tubo	VL05403641	1				
22	Hose	Tubo	VL05405041	1				
23	Hose	Tubo	VL05404511	1				
24	Hose	Tubo	VL05402911	1				
25	Hose	Tubo	VL05403612	3				
26	Hose	Tubo	VL05403619	1				
27	Hose	Tubo	VL05403640	1				
28	Hose	Tubo	VL05403638	1				
29	Fitting	União	643445062	4		VLS62021 6JICR1/4		
30	Fitting	União	64345706	4		4C6MXS		
31	Fitting	União	64306910	4		VLS62031 16JIC		
32	Fitting	União	64345716	2		VLS62033 16JIC/7/8-14		
33	Fitting	União	643461161	4		VLS62037 16/6JIC		
34	Nut	Porca	64163910	4		VLS62050 16JIC		
35	Fitting	União	64306510	4		VLS62027 16JIC		
36	Fitting	União	64306912	2		VLS62031 20JIC		
38	Fitting	União	643445162	6		VLS62021 16JIC/R1/2		
39	Fitting	União	643445161	2		VLS62021 16JIC/R3/8		
47	Shield	Proteção	K2320002H	1				
53	Nut	Porca	51010080	6		DIN985	M8	
55	Screw	Parafuso	58890463	8		DIN7991	M8X30	
56	Nut	Porca	51010100	4		DIN985	M10	
57	Screw	Parafuso	58130507	4		DIN912	M10X50	
58	Screw	Parafuso	58130477	4		DIN912	M8X100	
59	Screw	Parafuso	53060181	2		ISO4017	M10X30	
60	Washer	Anilha	50012100	2		DIN125	10.5	
66	Fitting	União	643461207	2		VLS62037 12-10TRTXS		
70	Hose	Tubo	VL05350012	2				
71	Hose	Tubo	VL05350011	2				
72	Fitting	União	6434450631	8		VLS62021 JIC/R3/8		
73	Fitting	União	64345706	4		4C6MXS		
74	Screw	Parafuso	53160147	4		ISO4014	M8X60	
75	Valve	Valvula	K0809122H	4		SUN	CBCA LAN 210	
76	Valve housing	Corpo de valvula	T0606026H	2		SUN	YEU	
77	Sleeve	Casquilho	K5686640	4				

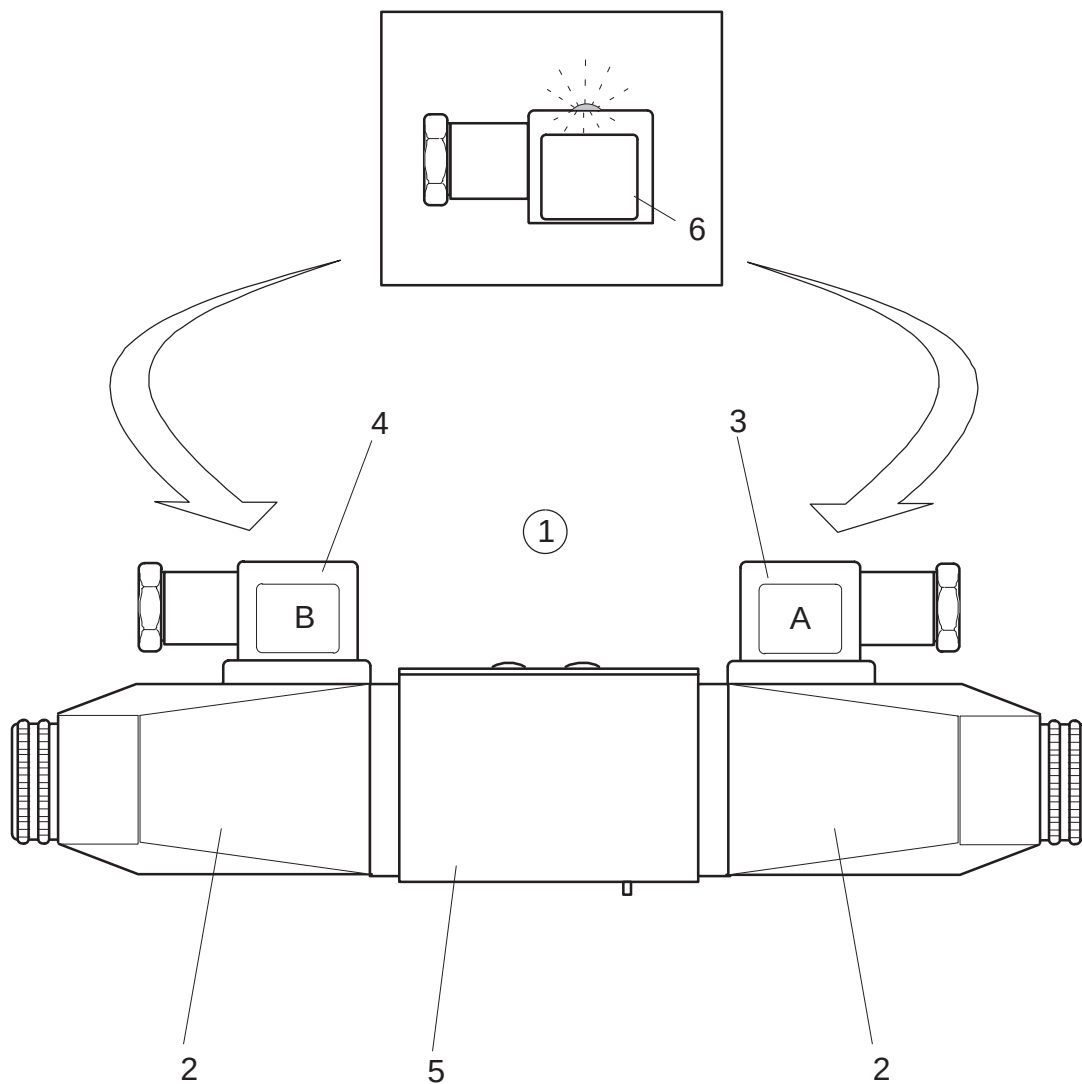
Page Página 24	Module Módulo KV06-0108	Date Data 98-02-05	Description Descrição Valve mount.	☐	
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			☐		Date Data	Module Módulo	Page Página
Description Descrição			Valve mount.		98-02-05	KV06-0108	25
Item.	Description		Order no.	Qty	S	Notes	
1	Block	Bloco	K5673710	1			
2	Valve compl. see page 27	Válvula compl.	T0806093H	2		Vicke	DG4V-5-2CJ-MU-H6
3	Valve compl. see page 29	Válvula compl.	T0804028H	1		Vicke	DG4V-3-2C-MU-H7
6	Through bolt kit	Jogo de parafusos	T0810001H	1		Vicke	BK616452M
7	Through bolt kit	Jogo de parafusos	T0809120H	2		Vicke	BK534576M
8	Measuring connector Ligação para manômetros		64332191	2			EMA3/R1/4-ED/A3C
9	Fitting	União	643445162	4			VLS62021 16JIC/R1/2
10	Fitting	União	643445163	1			VLS62021 16JIC/R3/4
11	Fitting	União	643445202	1			VLS62021 20JIC/R3/4
12	Plug	Ficha	64002608	2		DIN908	G 1/4 A
13	Gasket	Junta	61450147	2			VLS623.02 14.7x22x1.5
14	Fitting	União	T5636351	2			
15	Valve compl.	Válvula compl.	K0809129H	2		Sun	CBEA LAN
16	Housing	Caixa	K0809130H	2		Sun	BBB



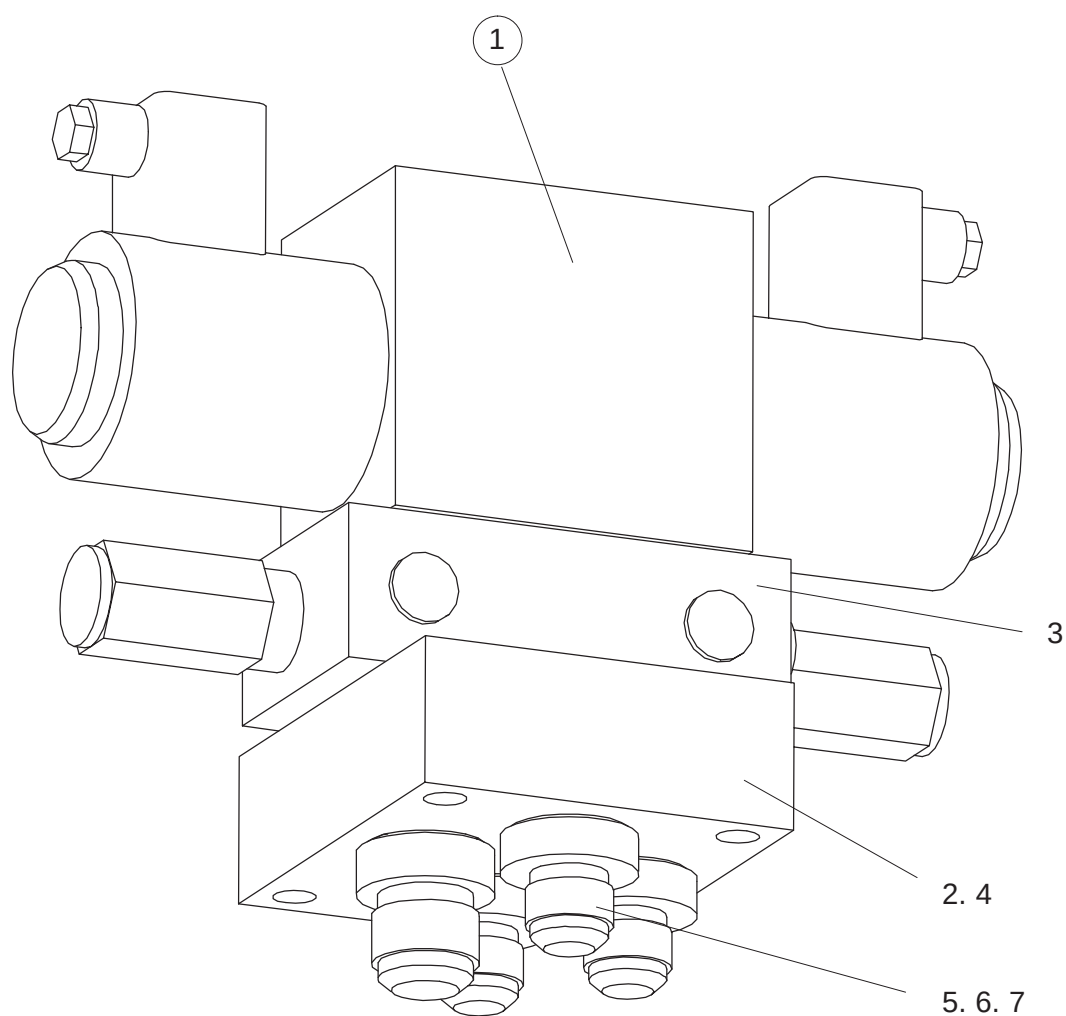
		Description Descrição Valve ☐				Date Data 93-01-12	Module Módulo KV06-0108	Page Página 27
Item.	Description		Order no.	Qty	S	Notes		
1	Valve	Valvula	T0806093H	1	200	Vicke	DG4V-5-2CJ-MU-H6-20	
2	Contact plug	Ficha	804702941	1	150	Vicke	710776	
3	Contact plug	Ficha	804702940	1	150	Vicke	710775	
4	Solenoid	Bobina	804704766	2	200	Vicke	617477	
5	Gasket set	Jogo juntas	804704765	1	50	Vicke	459058	



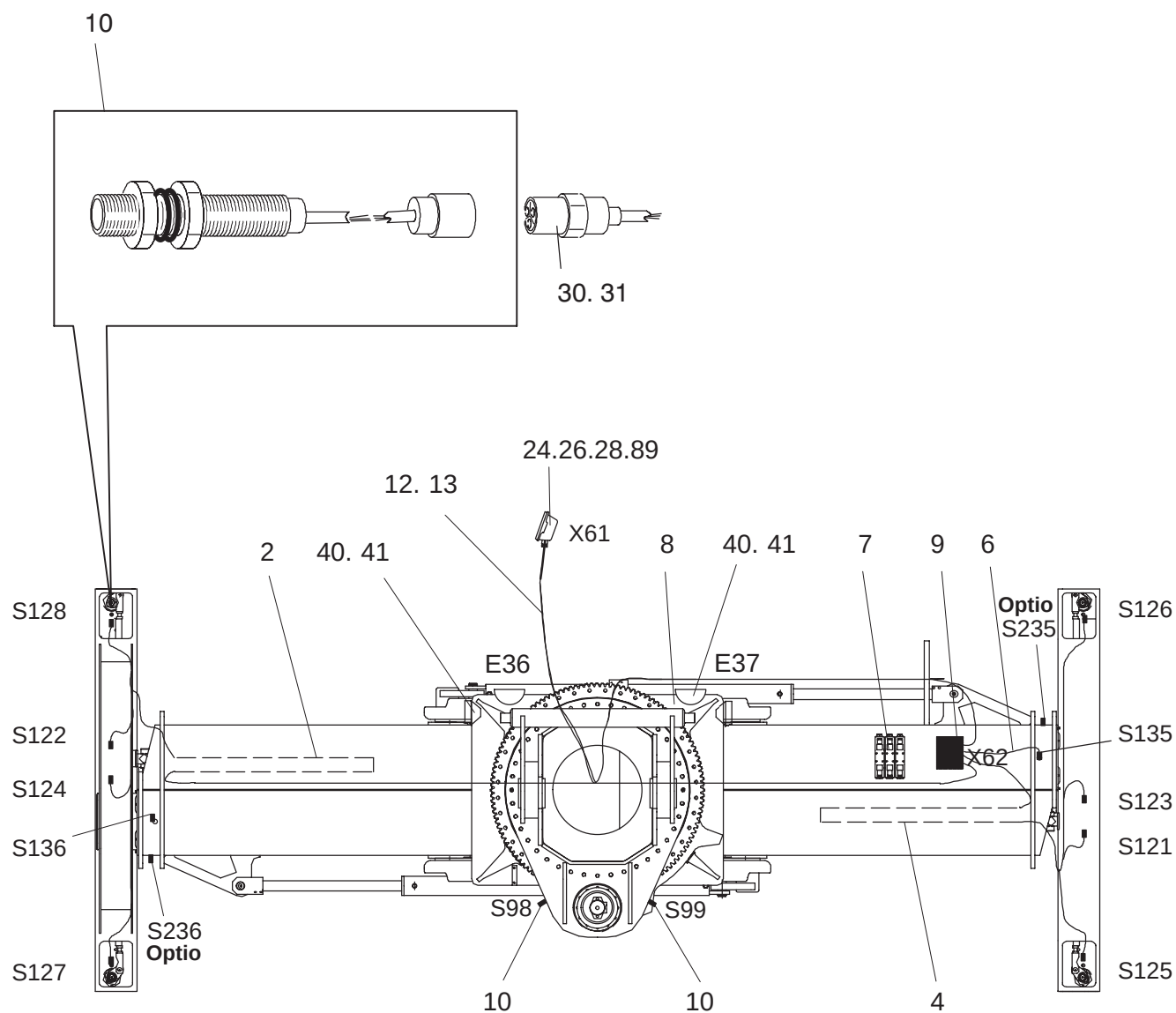
		Description Descrição Valve	☐		Date Data 93-01-12	Module Módulo KV06-0108	Page Página 29
Item.	Description		Order no.	Qty	S	Notes	
1	Valve	Valvula	T0804028H	1	150	Vicke	DG4V-3-2C-MU-H7-60
2	Solenoid	Bobina	804705817	2	150	Vicke	507848 24VDC
3	Contact plug	Ficha	804702941	1	100	Vicke	710776 harmaa
4	Contact plug	Ficha	804702940	1	100	Vicke	710775 musta
5	Gasket set	Jogo juntas	804705818	1	50	Vicke	858995
*6	Contact plug	Ficha	65210860	1		MPM	S18209TC321

*Alternative
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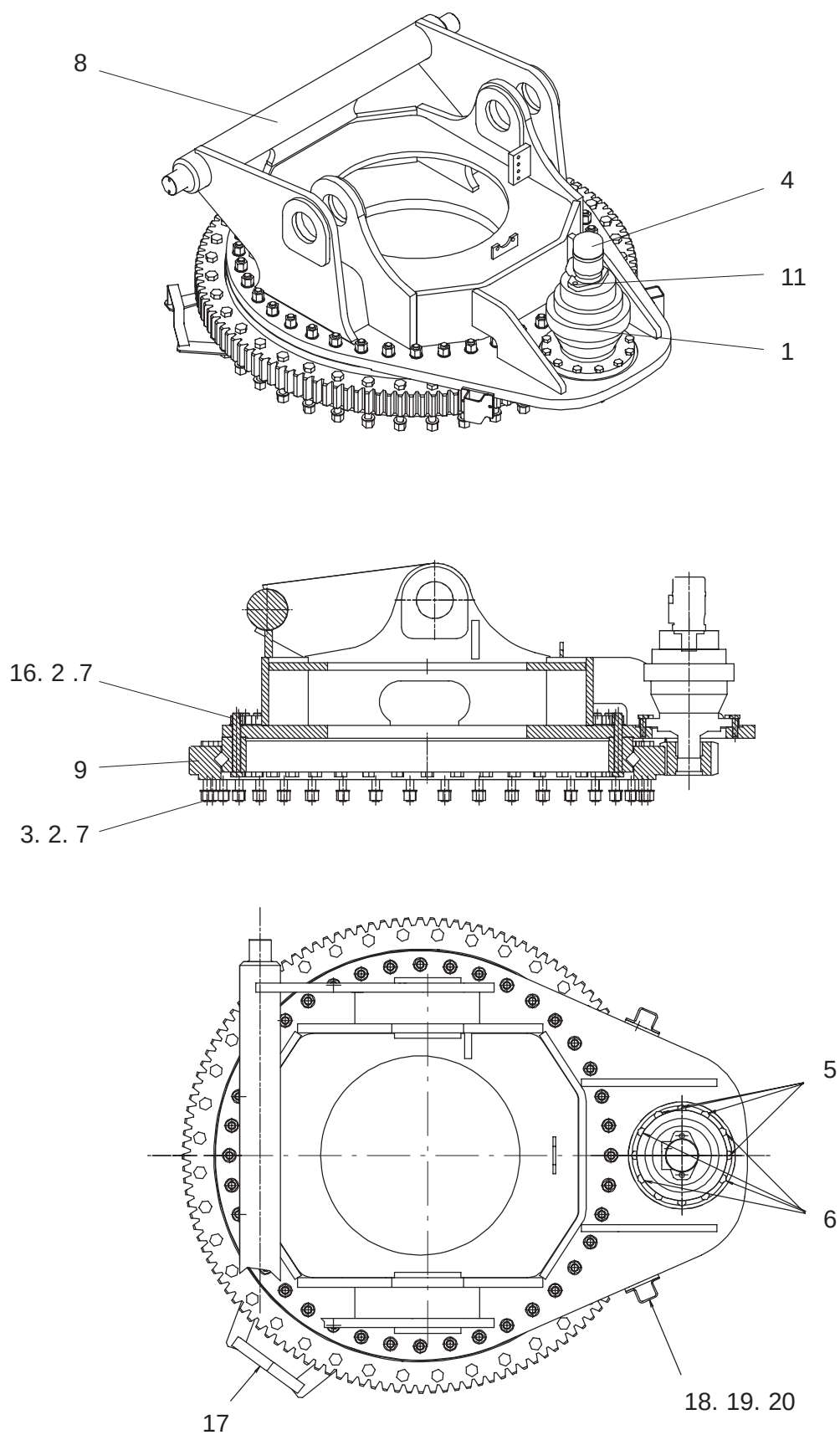
Page Página 30	Module Módulo KV06-0108	Date Data 00-03-27	Description Descrição Valve mount.	☐	
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		Description Descrição Valve mount.			☐	Date Data 00-03-27	Module Módulo KV06-0108	Page Página 31
Item.	Description		Order no.	Qty	S	Notes		
1	Valve compl. see page 27	Válvula compl.	T0806093H	1		Vicke	DG4V-5-2CJ-MU-H6	
2	Mounting plate	Placa de montagem	T0809014H	1		Vicke	743402	
3	Valve compl.	Válvula compl.	K0804095H	1		Beren	NG10 BF323490	
4	Through bolt kit	Jogo de parafusos	K0809150H	1		Vicke	SF638873	
5	Fitting	União	643445162	1			VLS62021 16JIC/R1/2	
6	Fitting	União	643445201	1			VLS62021 20JIC/R1/2	
7	Fitting	União	T5611490	1				



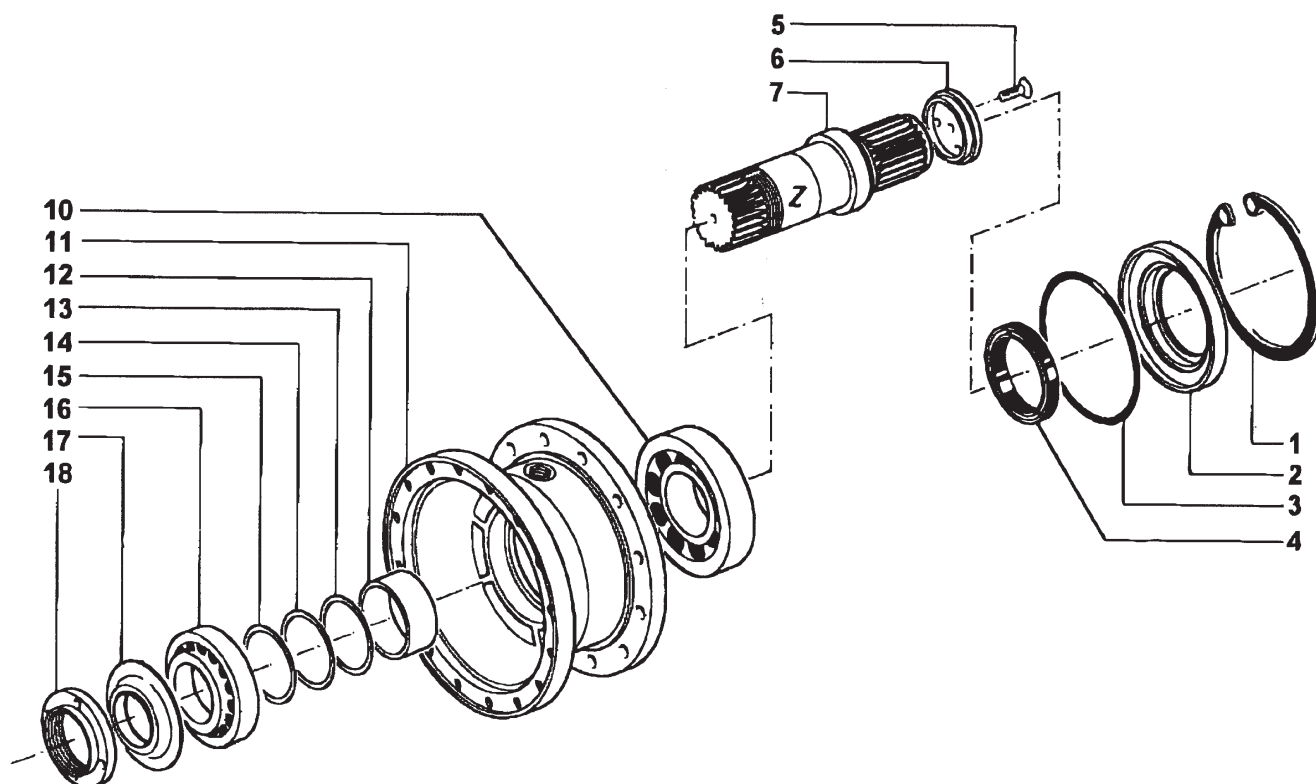
		Description Descrição El. equipm. for lift frame			Date Data 00-03-30	Module Módulo KV06-0108	Page Página 33
Item.	Description	Order no.	Qty	S	Notes		
2	Wiring set	Conjunto instalação elect.	T5653640	1			
4	Wiring set	Conjunto instalação elect.	T5653650	1			
6	Wiring set	Conjunto instalação elect.	T5653660	1			
7	Wiring set	Conjunto instalação elect.	T5653670	1			
8	Wiring set	Conjunto instalação elect.	T5653700	1			
9	Housing	Caixa	T5653690	1			
10	Sensor	Sensor	65237156	12			N5359160
12	Wire	Fio electrico	65999484	X	HARTI	09 30 024 1540	
13	Shield	Proteccão	K2320002H	2	HARTI	09 33 024 2601	
24	Housing	Caixa	65243528	2	HARTI	09 30 024 1540	
26	Inner part	Parte interior	65245444	2	HARTI	09 33 024 2601	
28	Sleeve	Casquilho	65214403	2	HARTI	090000051042601	
29	Dowel pin	Perne-guia	65244901	4	HARTI	09 33 000 9901	
30	Connection	União	65214319	12		1-0826886-2 3N	
31	Contact part	Parte de contacto	65214320	36		0-0925601-3	
40	Working ligh	Farol de trabalho	65713265	2	HBA	172H-24V	
41	Bulb	Luz	65089570	2		70W 24V PK22S 13336	



		Description Descrição Turning device			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 35
Item.	Description		Order no.	Qty	S	Notes		
1	Gearbox, compl. see page 37-45	Caixa de velocidades, compl.	K0202005H	1				
2	Washer	Anilha	50012200	80		DIN125	21	
3	Screw	Parafuso	53160400	40		ISO4014	M20x150	
4	Hydr.motor see page 47	Motor hidráulico	T0306054H	1		Danfo	OMP160 1510314	
5	Screw	Parafuso	53160265	8		ISO4014	M14x50	
6	Screw	Parafuso	T5507780	4				
7	Nut	Porca	51010200	80		DIN985	M20	
8	Support	Suporte	K5686100	1				
9	Bearing	Rolamento	61299960	1		Roll	06.1116.00ZZ10	
11	Screw	Parafuso	58130543	2		DIN912	M12x30	
16	Screw	Parafuso	53190401	40		ISO4014	M20x160	
17	Lug	Suporte	K5686410	1				
18	Cover	Tampa	K5686410	2				
19	Screw	Parafuso	53060140	4		ISO4017	M8x25	
20	Nut	Porca	51010080	4		DIN985	M8	

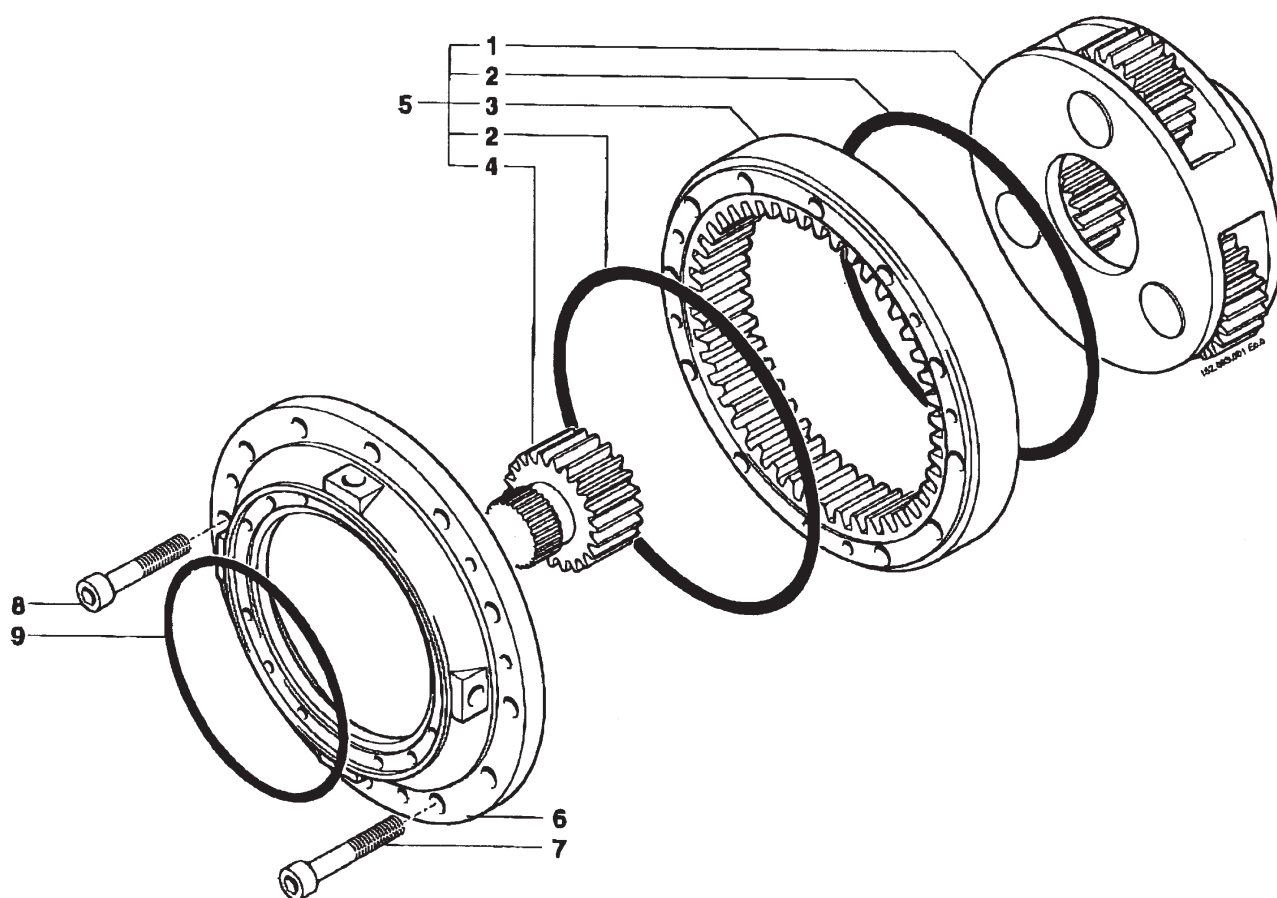
Page Página 36	Module Módulo KV06-0108	Date Data 00-03-23	Description Descrição Planet transmission,compl.	☐	
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1A



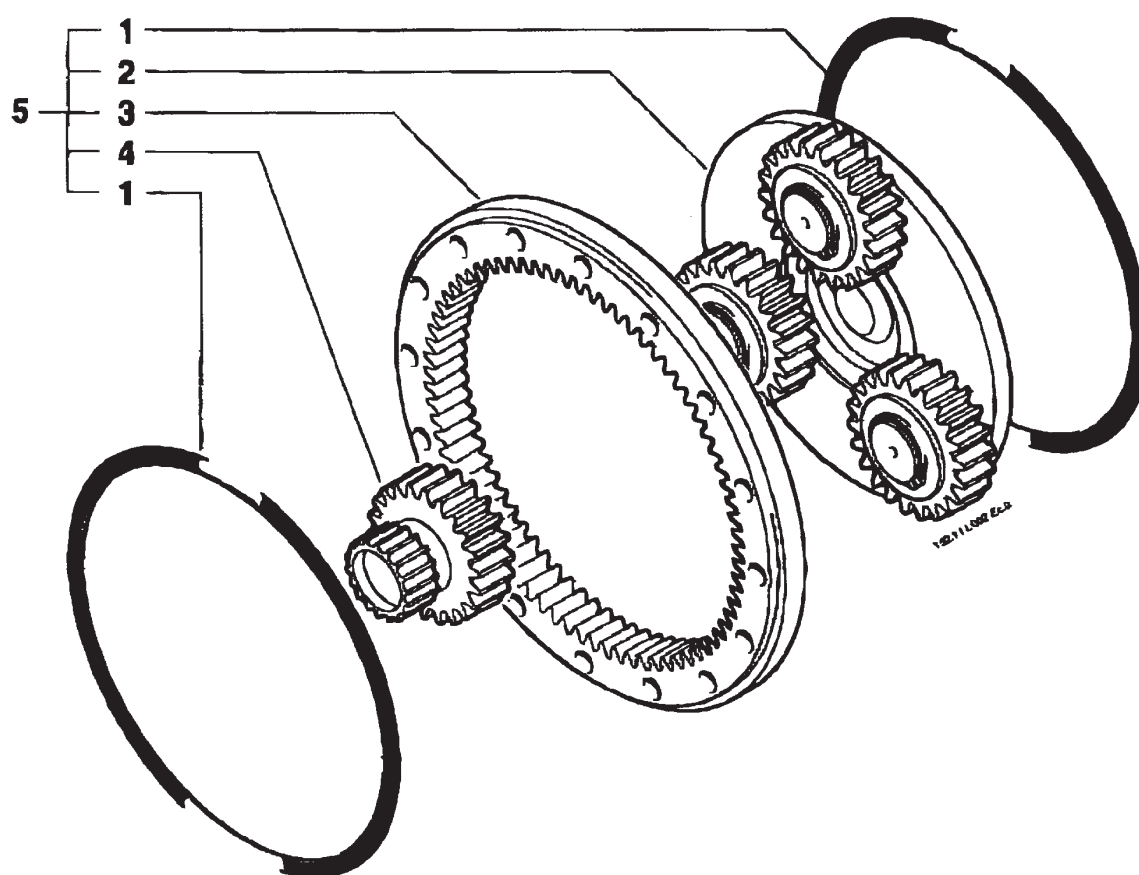
		Description Descrição Planet transmission,compl.			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 37
Item.	Description	Order no.	Qty	S	Notes			
*1A	Gearbox,compl.	Caixa de velocidades, compl.	K0202005H	1	Trasm	306L222.5HZ5BPHE2S5AP2T		
1	Circlip	Freio	800822580	1	Trasm	718299114A		
2	Cover	Tampa	800822581	1	Trasm	6657000700		
3	O-ring	O'ring	800822582	1	Trasm	715303307A		
4	Gasket	Junta	800819068	1	Trasm	710310004		
5	Screw	Parafuso	800822583	3	Trasm	720886004A		
6	End plate	Placa terminal	800822584	1	Trasm	6670500030		
7	Shaft	Eixo	800822585	1	Trasm	6630030400		
10	Bearing	Rolamento	800819060	1	Trasm	712758066		
11	Housing	Caixa	800822586	1	Trasm	6650002400		
12	Sleeve	Casquilho	800822587	1	Trasm	6662002860		
13	Spacing ring	Anel espaçador	800822588	1	Trasm	712770181A		
14	Spacing ring	Anel espaçador	800822589	1	Trasm	712770182A		
15	Spacing ring	Anel espaçador	800822590	1	Trasm	712770183A		
16	Bearing	Rolamento	800819062	1	Trasm	712758038		
17	Ring	Anel	800822591	1	Trasm	712710060A		
17	Nut	Porca	800822592	1	Trasm	6660000091		

Page Página	Module Módulo	Date Data	Description Descrição	☐	
38	KV06-0108	00-03-23	Planet transmission		

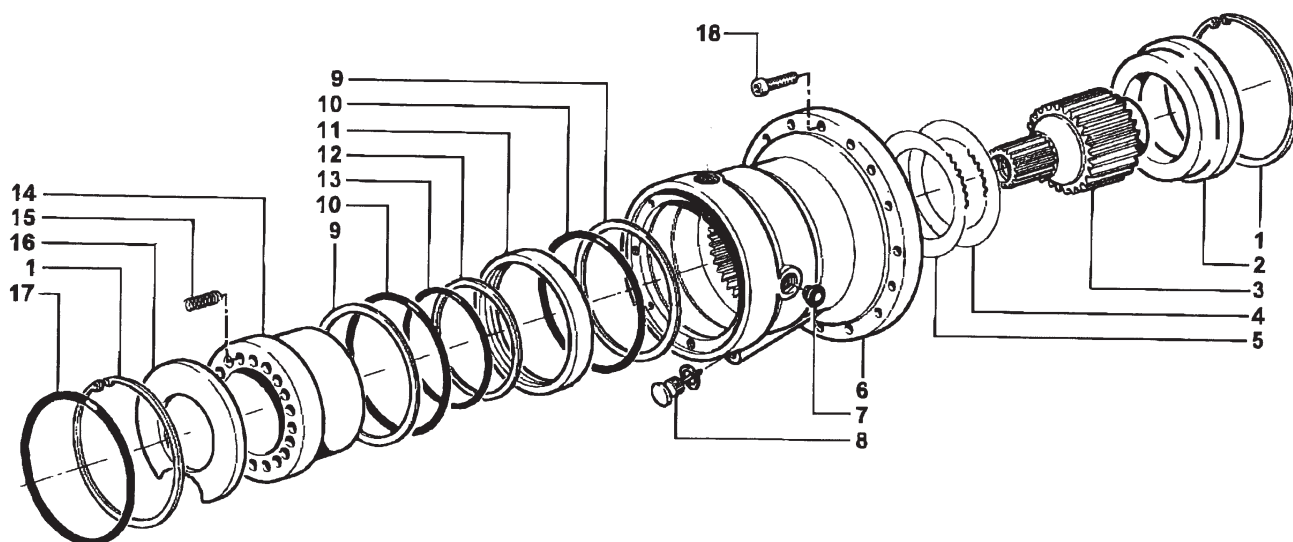


		Description Descrição Planet transmission			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 39
Item.	Description		Order no.	Qty	S	Notes		
1	Gear set	Conjunto engrenagens	800822593	1		Trasm	2T235334020	
2	O-ring	O'ring	800819071	2		Trasm	715303295	
3	Gear rim	Cremalheira	800822594	1		Trasm	6641010030	
4	Sun gear	Roda solar	800822595	1		Trasm	6643010060	
5	Reduction gear	Engrenagem de redução	800822596	1		Trasm	2T235634020	
6	Cover	Tampa	800822597	1		Trasm	6653500580	
7	Screw	Parafuso	800822598	12		Trasm	720955014A	
8	Screw	Parafuso	800822599	4		Trasm	720955012A	
9	O-ring	O'ring	800822600	1		Trasm	715303268A	

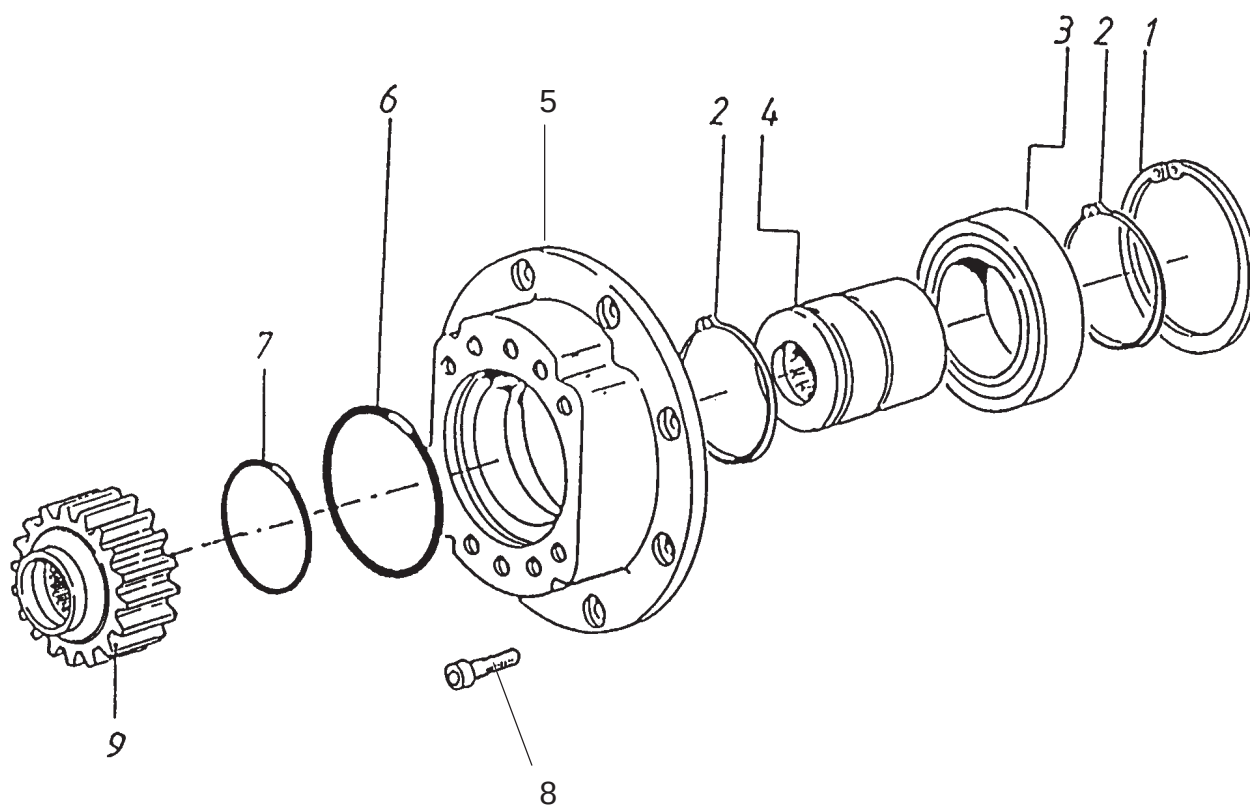
Page Página	Module Módulo	Date Data	Description Descrição	☐	
40	KV06-0108	00-03-23	Planet transmission		



		Description Descrição Planet transmission			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 41
Item.	Description		Order no.	Qty	S	Notes		
1	O-ring	O'ring	800822601	2		Trasm	715303268A	
2	Gear set	Conjunto engrenagens	800822602	1		Trasm	2T235332030	
3	Gear rim	Cremalheira	800822603	1		Trasm	6641000360	
4	Sun gear	Roda solar	800822604	1		Trasm	6643000190	
5	Reduction gear	Engrenagem de redução	800822605	1		Trasm	2T235632030	



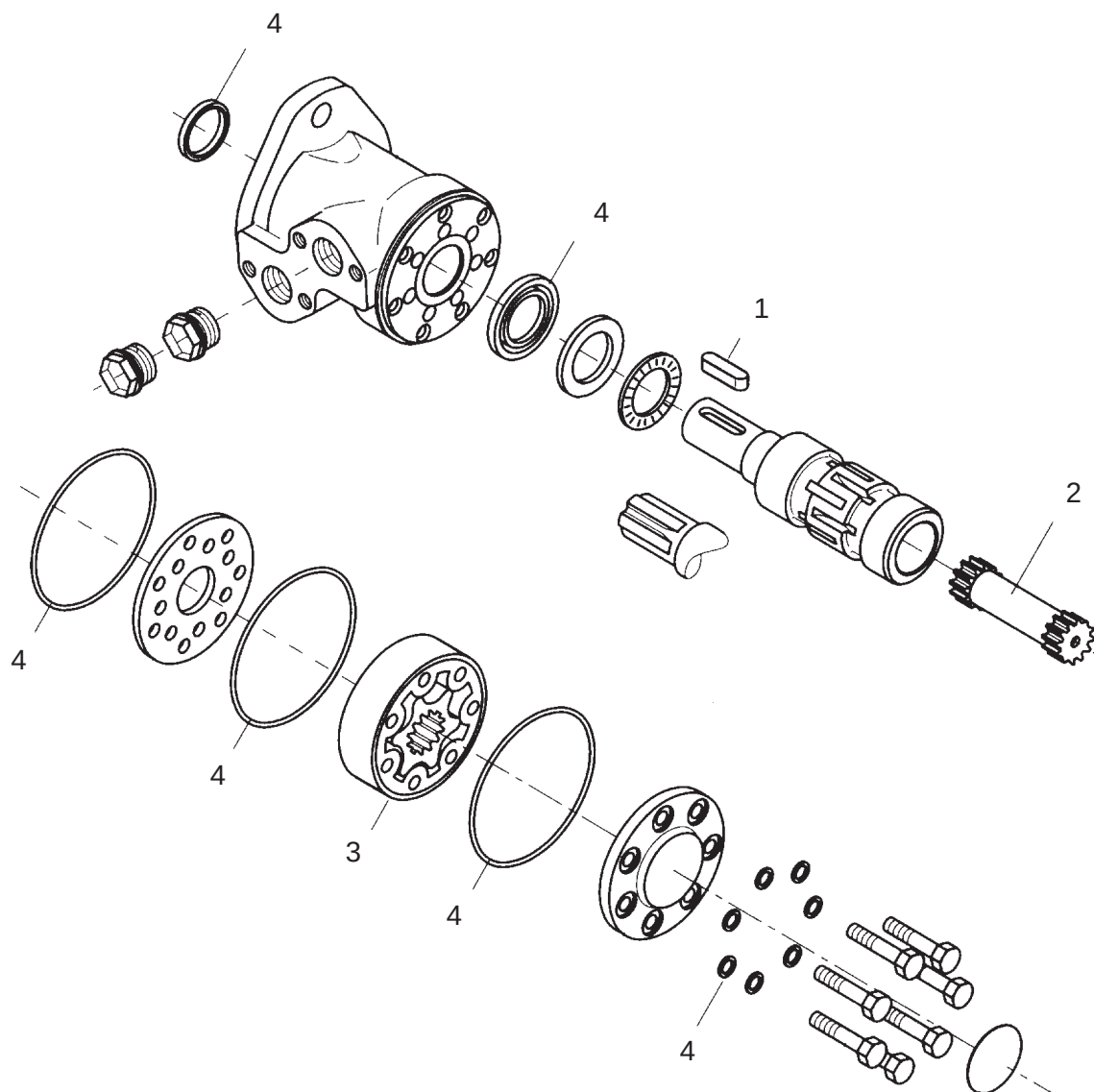
		Description Descrição Planet transmission			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 43
Item.	Description		Order no.	Qty	S	Notes		
1	Circlip	Freio	800822606	2		Trasm	718299106A	
2	Sleeve	Casquilho	800822607	1		Trasm	6660300500	
3	Shaft	Eixo	800822608	1		Trasm	6633030481	
4	Brake disc	Disco do travão	800819087	5		Trasm	680700040	
5	Brake disc	Disco do travão	800819086	6		Trasm	680900040	
6	Housing	Caixa	800822609	1		Trasm	718299106	
7	Plug	Ficha	800822610	1		Trasm	718416002	
8	Plug	Ficha	800822611	1		Trasm	6682500271	
9	Ring	Anel	800822612	2		Trasm	722369001	
10	O-ring	O'ring	800822613	2		Trasm	715307255	
11	Sleeve	Casquilho	800822614	1		Trasm	6662050090	
12	Ring	Anel	800822615	1		Trasm	722369002	
13	O-ring	O'ring	800822616	1		Trasm	715307250	
14	Piston	Pistão	800822617	1		Trasm	6635050140	
15	Spring	Mola	800822618	12		Trasm	6680300070	
16	Sleeve	Casquilho	800822619	1		Trasm	6660300240	
17	O-ring	O'ring	800822620	1		Trasm	715303245A	
18	Screw	Parafuso	800822621	8		Trasm	720954010A	



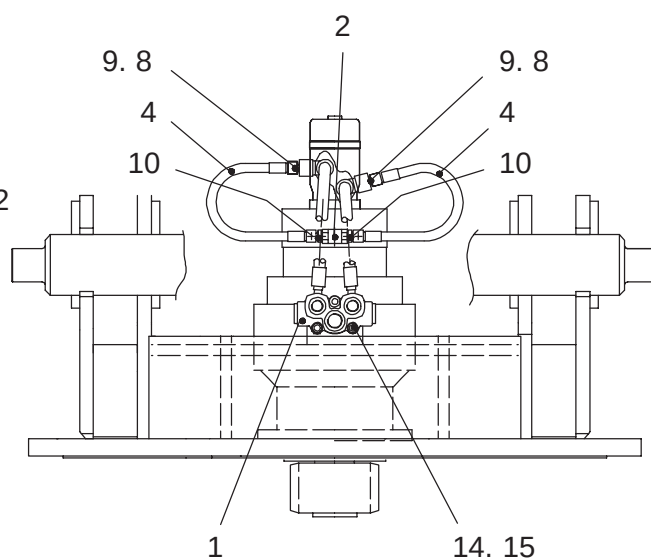
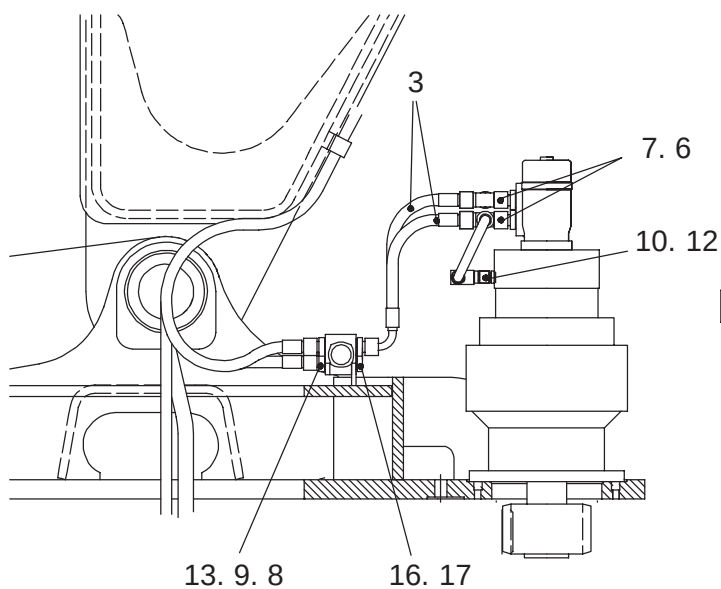
		Description Descrição Planet transmission			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 45
Item.	Description		Order no.	Qty	S	Notes		
1	Circlip	Freio	800822622	1		Trasm	718299074A	
2	Circlip	Freio	800819091	2		Trasm	718298748	
3	Bearing	Rolamento	800822623	1		Trasm	712753054A	
4	Clutch	Embraiagem	800822624	1		Trasm	6645000921	
5	Flange	União	800822625	1		Trasm	6654504000	
6	O-ring	O'ring	800819094	1		Trasm	715303242	
7	O-ring	O'ring	800822626	1		Trasm	715303284A	
8	Screw	Parafuso	800822627	8		Trasm	720954005A	
9	Gear	Engrenagem	800819096	1		Trasm	644060170	

Page Página 46	Module Módulo KV06-0108	Date Data 00-03-23	Description Descrição Hydr. motor, compl.	☐	
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		Description Descrição Hydr. motor, compl.			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 47
Item.	Description		Order no.	Qty	S	Notes		
1A	Hydr.motor	Motor hidráulico	T0306054H	1		Danfo	OMP160 151-0314	
1	Key	Chaveta	804301070	1		Danfo	682X8035	
2	Shaft	Eixo	804302801	1		Danfo	151-2690	
3	Gear set	Conjunto engrenagens	804302802	1		Danfo	151-1129	
4	Repair kit	Jogo de reparação	804302803	1		Danfo	151-1286	



		Description Descrição Hydr. equipment			☐	Date Data 00-03-23	Module Módulo KV06-0108	Page Página 49
Item.	Description		Order no.	Qty	S	Notes		
1	Valve	Valvula	T0802028H	1		MONSU	HVPB13R-A125G-A	
2	Valve	Valvula	63880224	1		PARKE	HFDK 221 A2 R1/4	
3	Hose	Tubo	VL5403607	2				
4	Hose	Tubo	VL5400007	2				
6	Fitting	União	643445162	6			VLS62021 16JIC/R1/2	
7	Fitting	União	643485102	2		PARKE	LS 10R6XS	
8	Fitting	União	643461163	2			VLS62037 16/10JIC	
9	Nut	Porca	64163910	2			VLS 62050 16JIC	
10	Fitting	União	643445101	4			VLS62021 10JIC/R1/4	
12	Fitting	União	642559101	1			VLS62022 10JIC/R1/4	
13	Fitting	União	643445163	1			VLS62021 16JIC/R3/4	
14	Screw	Parafuso	53160189	2		ISO4014	M10x70	
15	Nut	Porca	51010100	2		DIN 985	M10	
16	Plug	Ficha	64002620	1		DIN 908	G3/4	
17	Gasket	Junta	61450272	1			U 27.2X36X2	

07

FRAME AND SHIELDS

KV07–0108

Equipment
Equipamento

KV07–0106

Counterweight
Contrapeso

KV07–0109

Protections
Proteções

KV07–0103

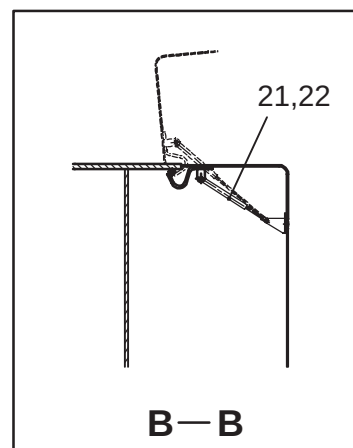
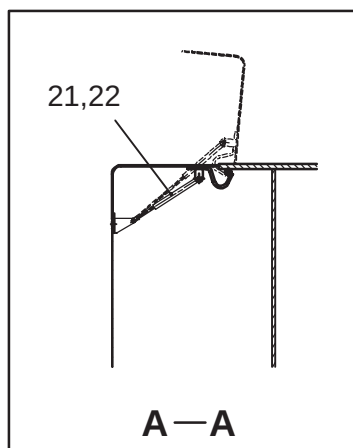
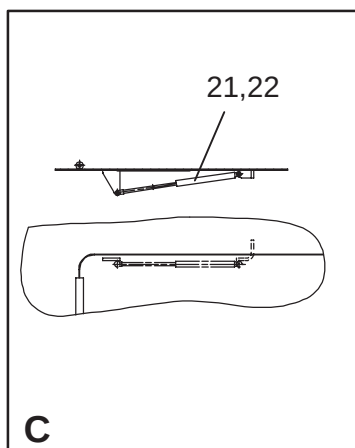
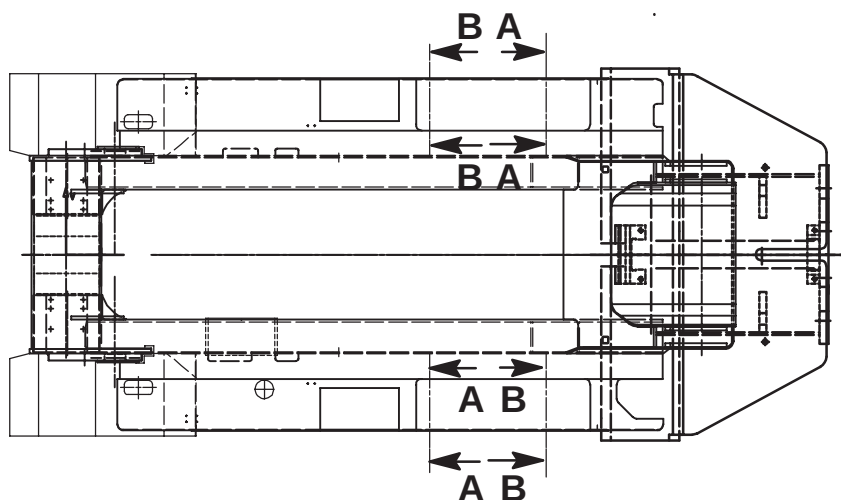
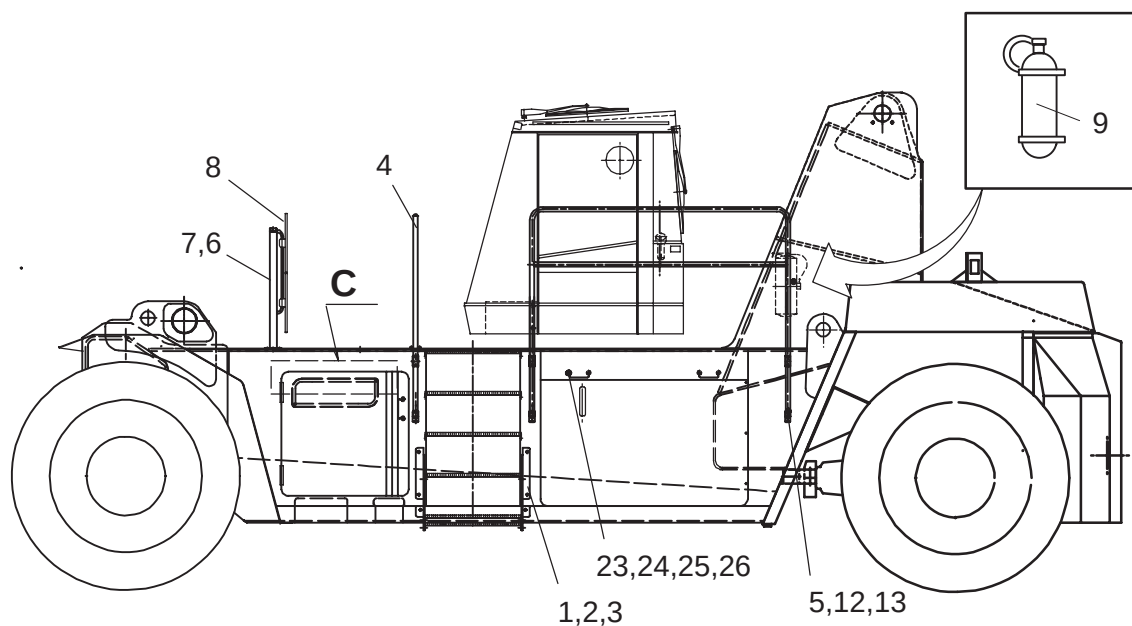
Installation of batteries
Instalação das baterias

KV07-0108

Equipment

Equipamento

Page Página 2	Module Módulo KV07-0108	Date Data 00-03-28	Description Descrição Equipment	
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			☐		Date Data	Module Módulo	Page Página
Description Descrição			Equipment		00-03-28	KV07-0108	3
Item.	Description		Order no.	Qty	S	Notes	
1	Support plate	Placa de encosto	K5672630	2		WEL TH6 700X160FZV	
2	Support plate,RH	Placa de encosto	K5672620	2			
3	Foot board	Degrau	T2302036H	10			
4	Guard	Protecção	K5672570	2			
5	Guard	Protecção	K5687830	2			
6	Support, left	Suporte, esquerdo	T5514211	1		No 1239-435 kupera	
7	Support, right	Suporte, direito	T5514212	1			
8	Mirror	Espelho	69550015	4			
9	Extinguisher	Extintor	T2305003H	1		PRESTO	P6 GS.6 KG.A-BIII-E
12	Screw	Parafuso	53060138	30		ISO4017	M8x20
13	Nut	Porca	50410080	28		ISO4032	M8
21	Gas spring	Amortecedor de gas	T1902005H	6		Stabi	03-08-200-300N
22	Nut	Porca	51010080	12		DIN985	M8
23	Handle	Manete	60108517	6		Primo	131/150 MS/KR
24	Screw	Parafuso	53060046	24		ISO4017	M4x16
25	Nut	Porca	50410040	24		ISO4032	M4
26	Washer	Anilha	50012040	24		DIN125	4.3

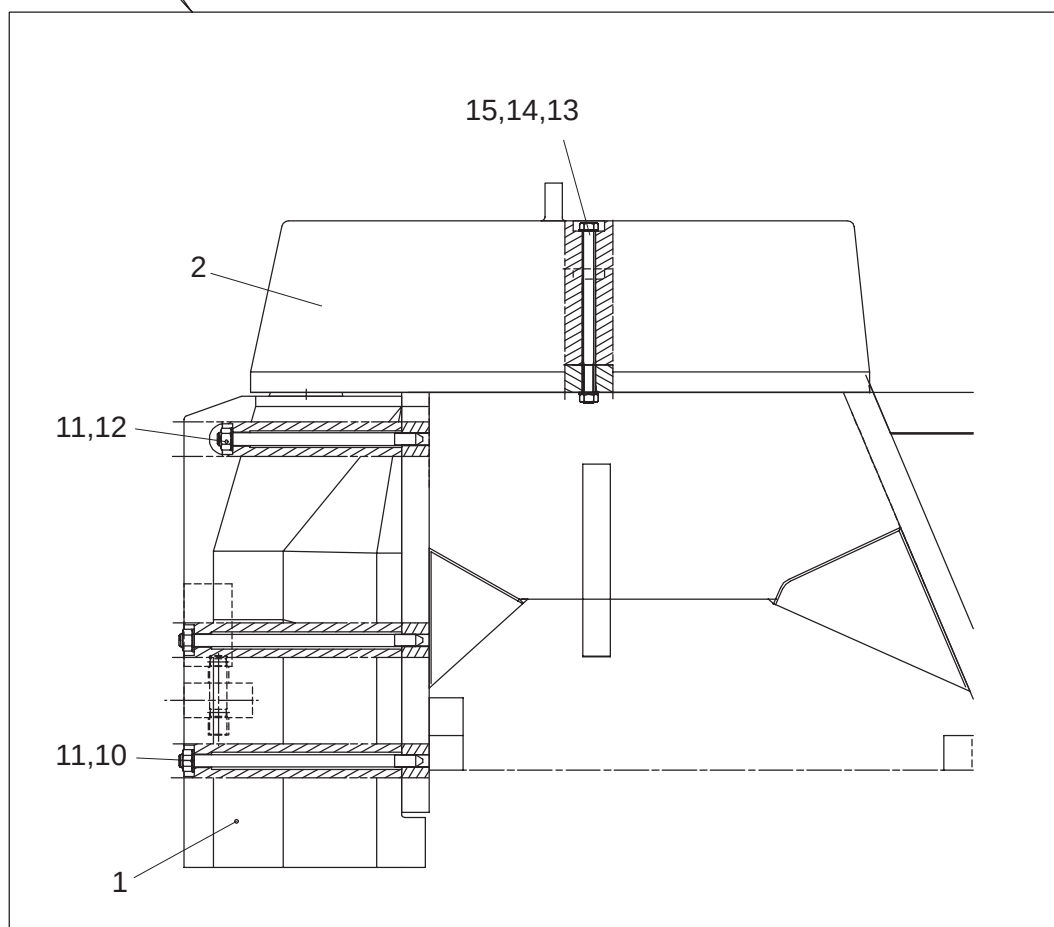
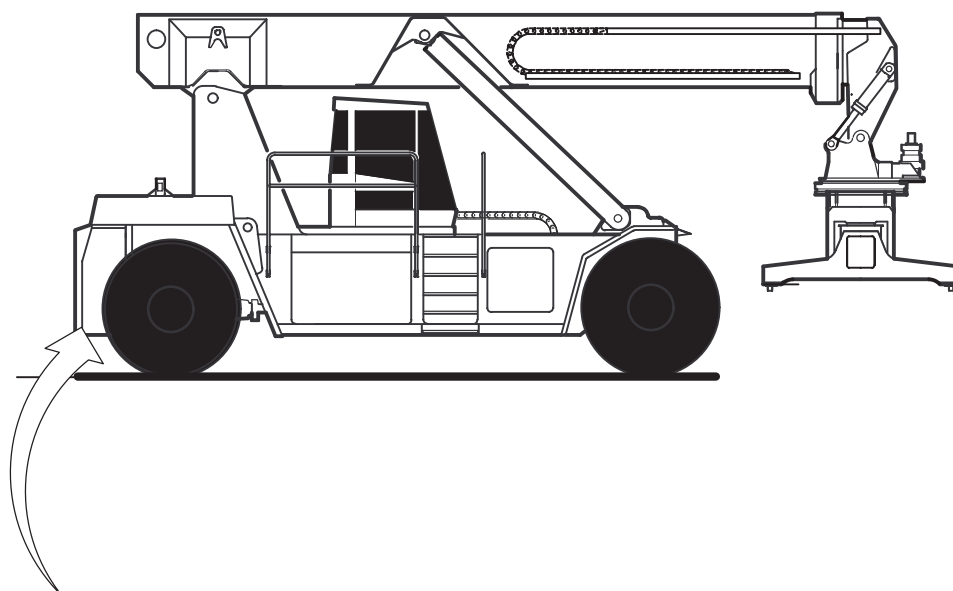
	Revision ☐	Date 99-03-15	Module KV07-0106	Page 1/3
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KV07-0106

Counterweight

Contrapeso

Page Página	Module Módulo	Date Data	Description Descrição		
2	KV07-0106	99-04-15	Counterweight		



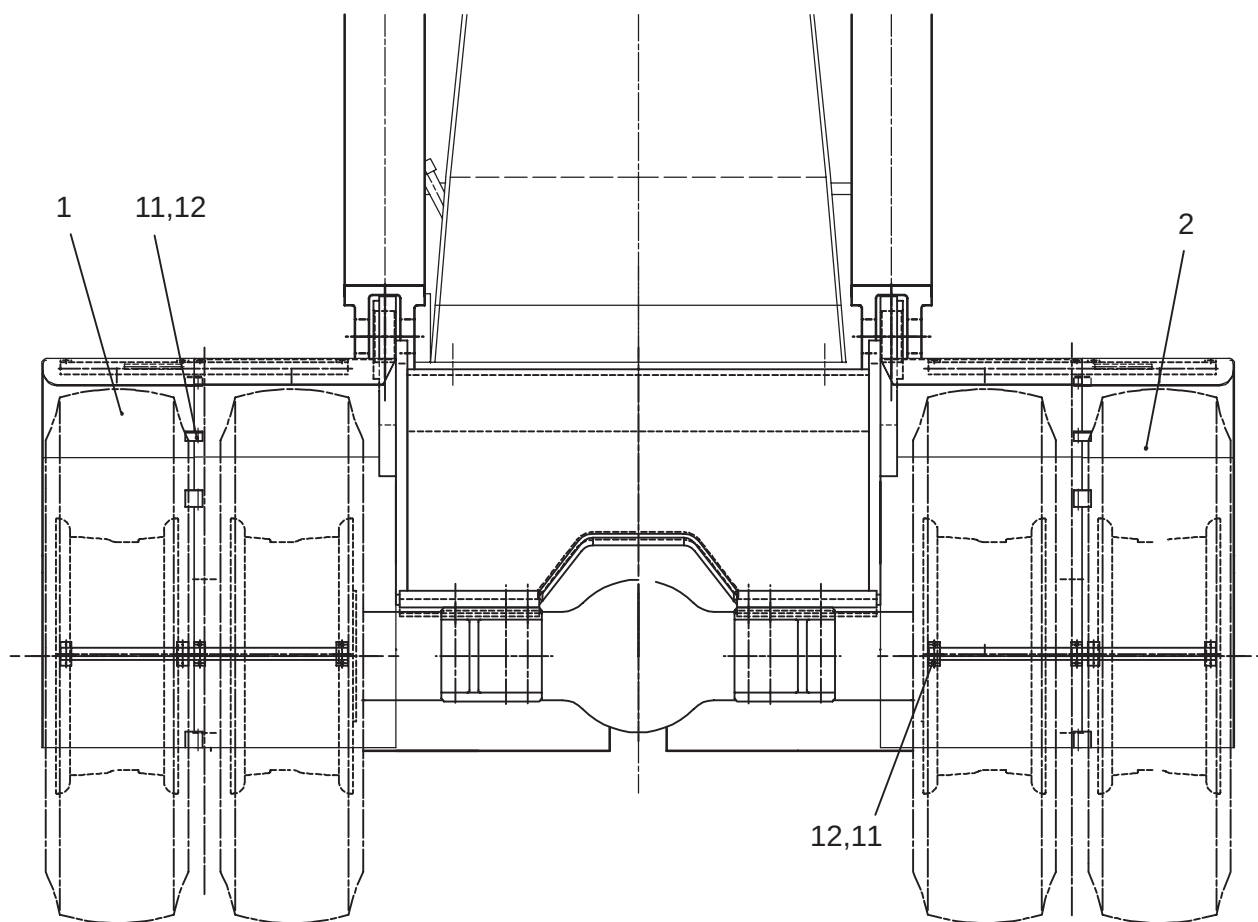
		Description Descrição Counterweight			☐	Date Data 99-04-15	Module Módulo KV07-0106	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Counterweight	Contrapeso	K5670800V	1		backweight		
2	Counterweight	Contrapeso	K5670830V	1		upperweight		
10	Screw	Parafuso	K5670891	4				
11	Washer	Anilha	50012360	6		DIN125 37		
12	Screw	Parafuso	K5670892	2				
13	Screw	Parafuso	K5673341	2				
14	Washer	Anilha	50012300	4		DIN125 31		
15	Nut	Porca	51010300	2		DIN985 M30		

KV07-0109

Protections

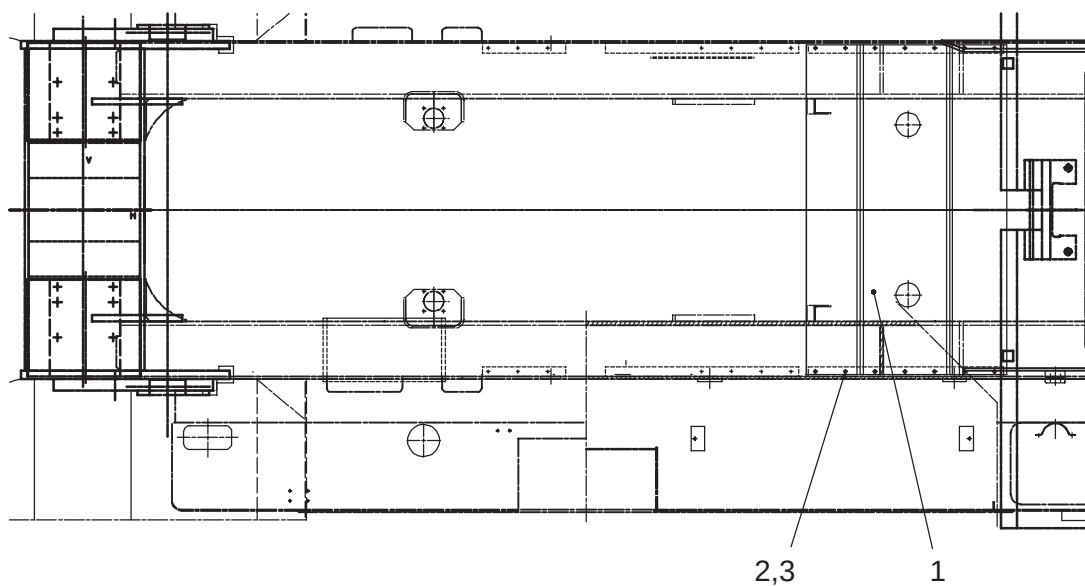
Proteções

Page Página	Module Módulo	Date Data	Description Descrição	☐	
2	KV07-0109	97-06-30	Mud guard		



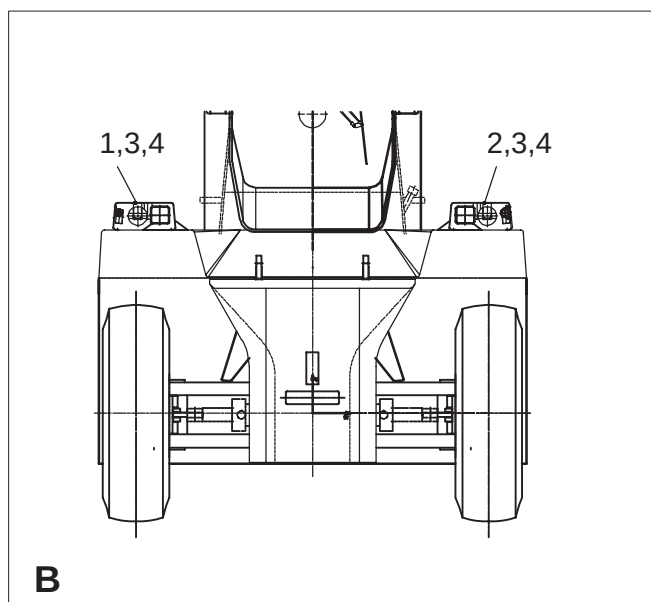
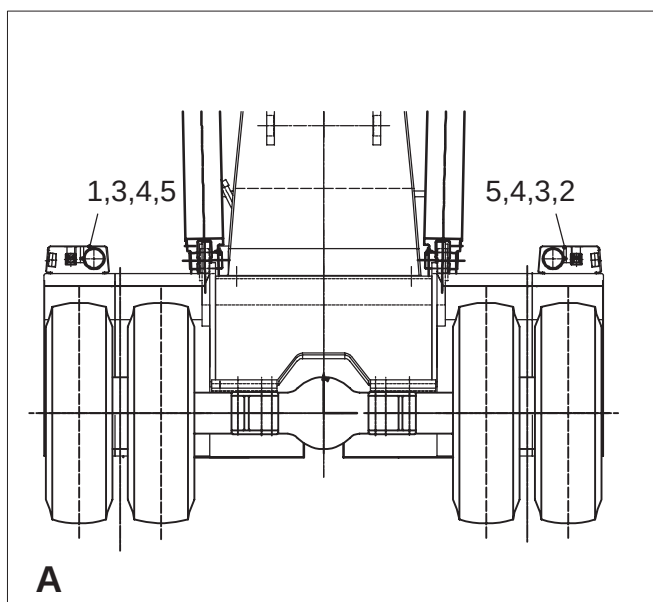
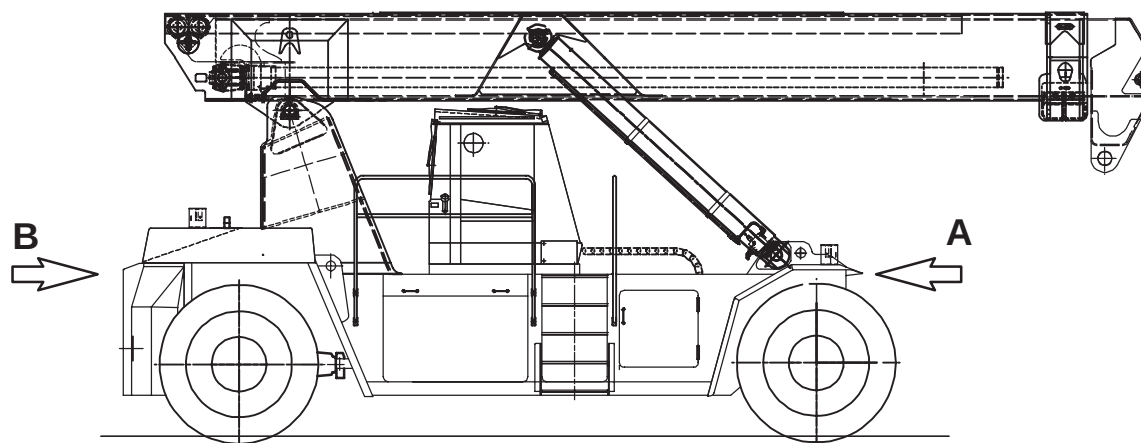
		Description Descrição Mud guard	☐		Date Data 97-06-30	Module Módulo KV07-0109	Page Página 3
Item.	Description		Order no.	Qty	S	Notes	
1	Mud guard	Guarda lamas	K5673300	1		left	
2	Mud guard	Guarda lamas	K5673310	1		right	
11	Screw	Parafuso	53060138	52		ISO4017	M8x20
12	Nut	Porca	51010080	52		DIN985	M8

Page Página	Module Módulo	Date Data	Description Descrição		
4	KV07-0109	97-06-27	Protections lower		



		Description Descrição Protections lower			☐	Date Data 97-06-27	Module Módulo KV07-0109	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
1	Cover	Tampa	K5672520	1				
2	Screw	Parafuso	59085500	14				
3	Washer	Anilha	50025080	14				

Page Página	Module Módulo	Date Data	Description Descrição	
6	KV07-0109	97-06-30	Light housing	



		Description Descrição Light housing			Date Data 97-06-30	Module Módulo KV07-0109	Page Página 7
Item.	Description		Order no.	Qty	S	Notes	
1	Light housing	Caixa da luz	K5672940	2			
2	Light housing	Caixa da luz	K5672930	2			
3	Screw	Parafuso	53060140	20		ISO4017	M8x25
4	Washer	Anilha	50012080	20		DIN125	8.4
5	Nut	Porca	50410080	8		ISO4032	M8

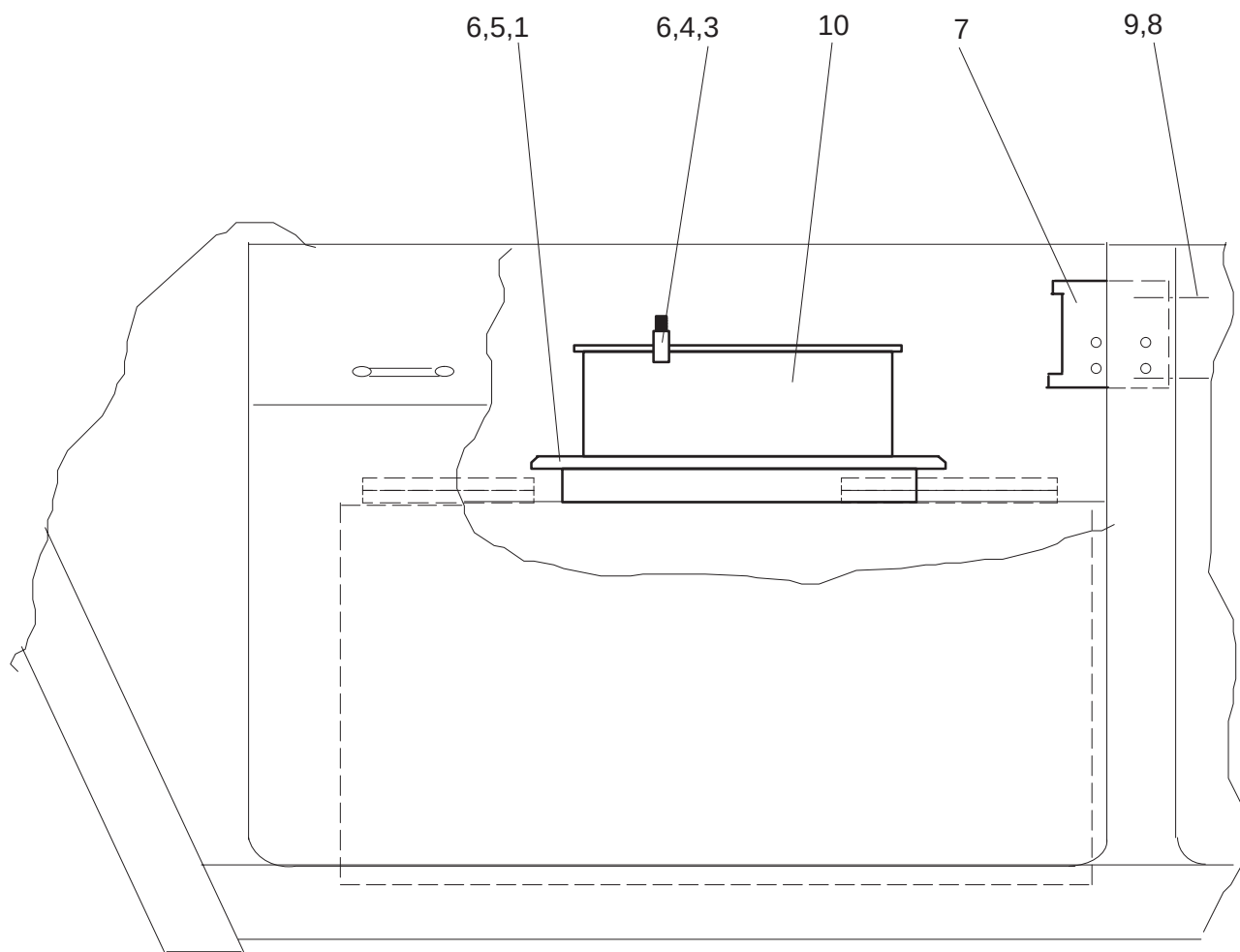
	Revision Revisão	☐ Date Data 98-10-06	Module Módulo KV07-0103	Page Página 1/3
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KV07-0103

Installation of batteries

Instalação das baterias

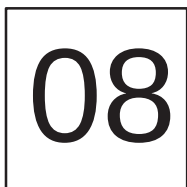
Page Página	Module Módulo	Date Data	Description Descrição		
2	KV07-0103	98-02-05	Batteries mount.		



		Description Descrição Batteries mount.			☐	Date Data 98-02-05	Module Módulo KV07-0103	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Bracket	Prateleira	T5614030	1				
3	Clamp	Grampo	T5614051	1				
4	Shaft	Eixo	T5462650	1				
5	Screw	Parafuso	53060180	4		ISO4017	M10x25	
6	Nut	Porca	51010100	6		DIN985	M10	
7	Fastener	Ligador	T5614040	1				
8	Screw	Parafuso	53060140	2		ISO4017	M8x25	
9	Nut	Porca	51010080	2		DIN985	M8	
*10	Battery	Bateria						

*) See electric equipment for frame module

*)



EQUIPMENT

KV08—0102

Centralized lubrication system

Sistema de lubrificação

KV08—0105

Air conditioner

Ar condicionado

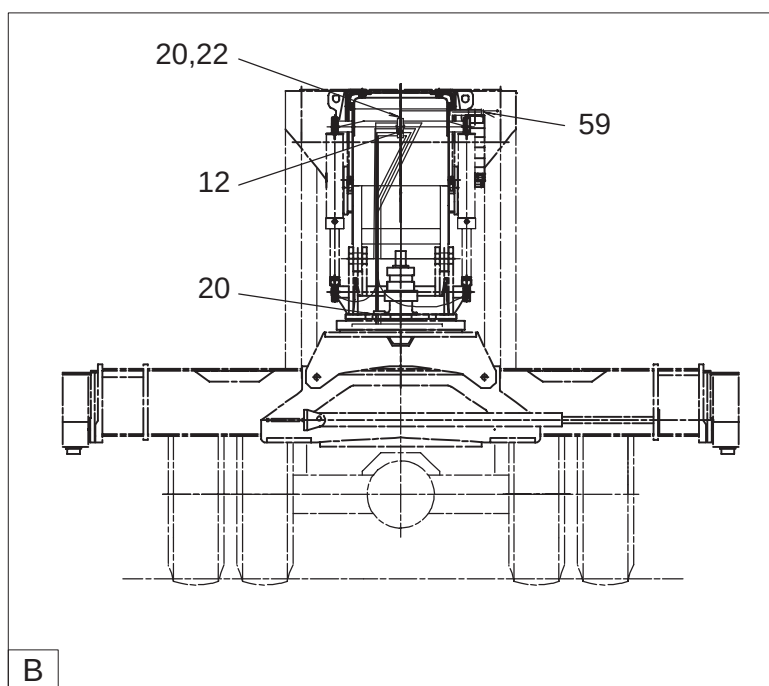
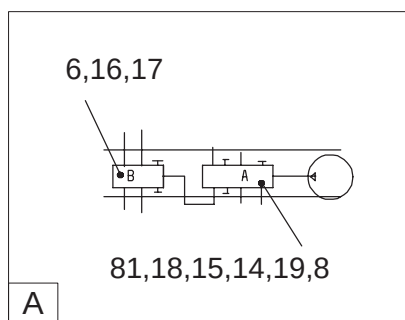
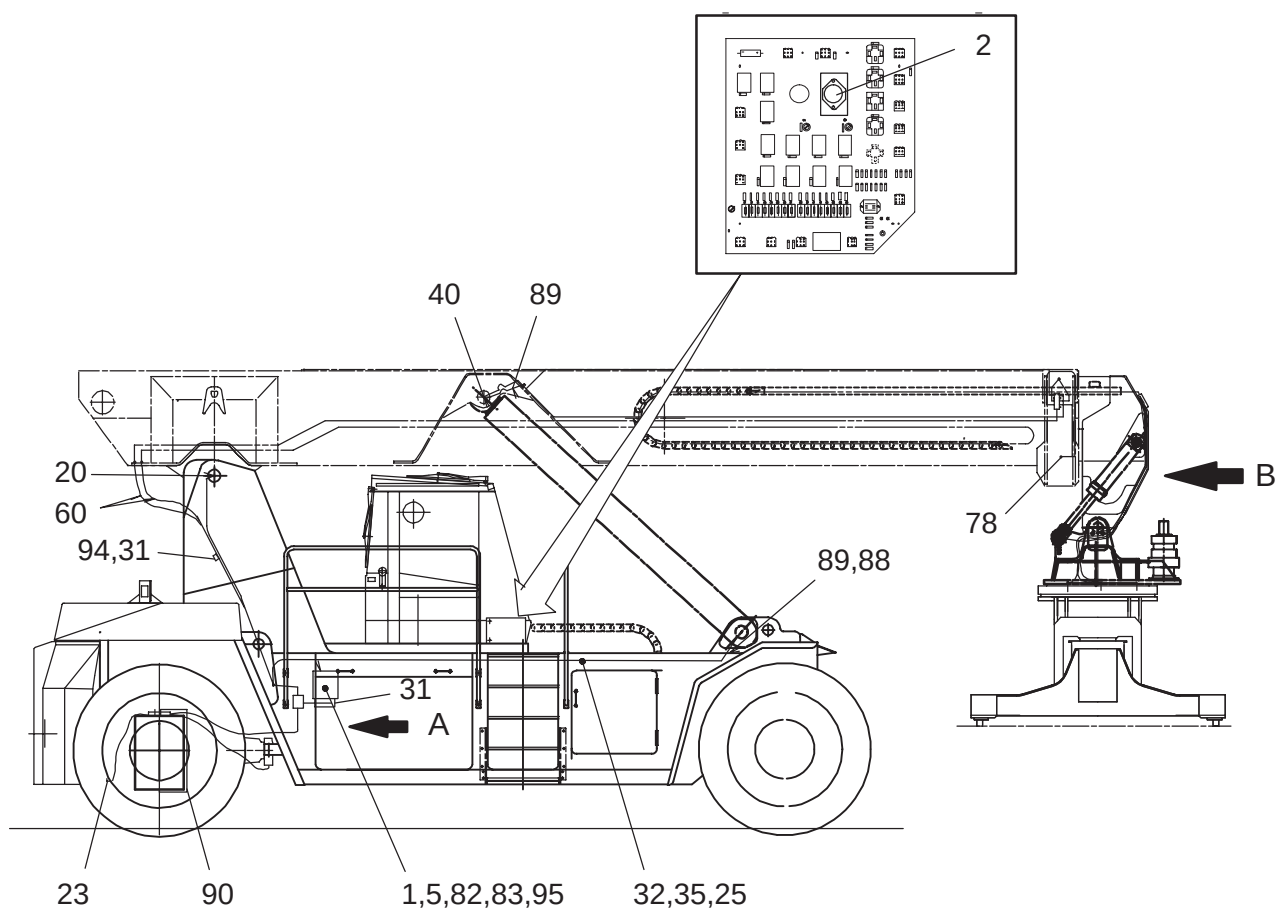
	Revision Revisão	☐ Date Data 99-02-15	Module Módulo KV08-0102	Page Página 1/9
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KV08-0102

Centralized lubrication system

Sistema de lubrificação

Page Página	Module Módulo	Date Data	Description Descrição	
2	KV08-0102	98-02-02	Centr. lubrication system	



			Description Descrição Centr. lubrication system			Date Data 98-02-02	Module Módulo KV08-0102	Page Página 3
Item.	Description		Order no.	Qty	S	Notes		
1	Pump	Bomba	K3300529H	1	400	LINC	P203-4XLBO-24	
* 2	Control unit	Unidade de controle	652338821	1	200		LCU-002	
5	Pump unit	Elemento de bomba	K3300505H	1		LINC	600-26877-2 -24	
6	Distributor	Distribuidor	K3300509H	1	200	LINC	SSV6 619-26473-1	
8	Distributor	Distribuidor	K3300510H	1	200	LINC	SSV8 619-25730-2	
12	Distributor	Distribuidor	K3300512H	1	200	LINC	SSV12 619-25731-2	
14	Valve	Valvula	K3300514H	5	200	LINC	504-30364-2	
15	Ring	Anel	64158006	6	200	DIN3861	LL 6	
16	Nut	Porca	64161006	6	200	DIN3870	ALL 6	
17	Cone	Cone	K3300517H	35	200	LINC	MS 404-23034-1	
18	Fitting	União	K3300518H	35	200	LINC	404-20236-4-1	
19	Plug	Ficha	K3300519H	11	200	LINC	M10X1 303-17499-2	
20	Fitting	União	64104006	15	200	DIN2353	BLL6	
22	Fitting	União	T5080380	2	200			
23	Fitting	União	64119006	30	200	DIN2353	GLL6	
25	Clip	Grampo	60287306	15		NORMA	RSGU1.6-12	
31	Screw	Parafuso	53060138	2		ISO4017	M8X20	
32	Fastener	Ligador	65215503	10		DIN72571	1X6	
35	Screw	Parafuso	59725256	40		SMS1549	4.2X10	
40	Extension	Extensão	T5038610	15				
60	Hose	Tubo	T5514232	2				
78	Fitting	União	K5181790	2	200			
81	Gasket	Junta	K3300520H	15	200	LINC	209-12158-2	
82	Valve	Valvula	K3300507H	3	200	LINC	209-12158-2	
83	Filter	Filtro	N3300523H	1	200	SAFEM	STS 11770465	
88	Sleeve	Casquilho	64336553	10		TECAL	E5/3	
89	Tube	Tubo	68585903	x			6X3 PA11 KOVA MUSTA	
90	Tube	Tubo	24061033	x		DIN2391	6X1	
94	Nut	Porca	63890006	4			VLS620510	
95	Safety valve	Valvula segurança	K3300551H	1		LINC	624-28898-1C	

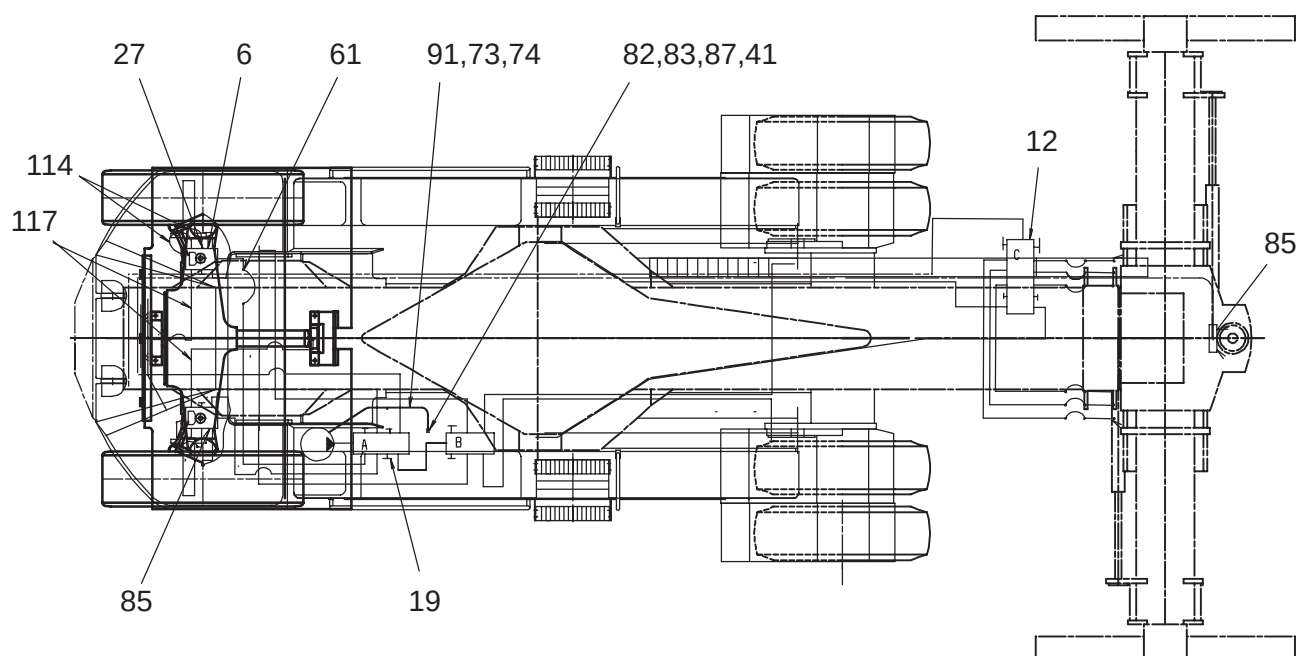
*) See Cabin

*)

x) Order as required (min. delivery length hoses 1 m, pipes 3 m).

x)

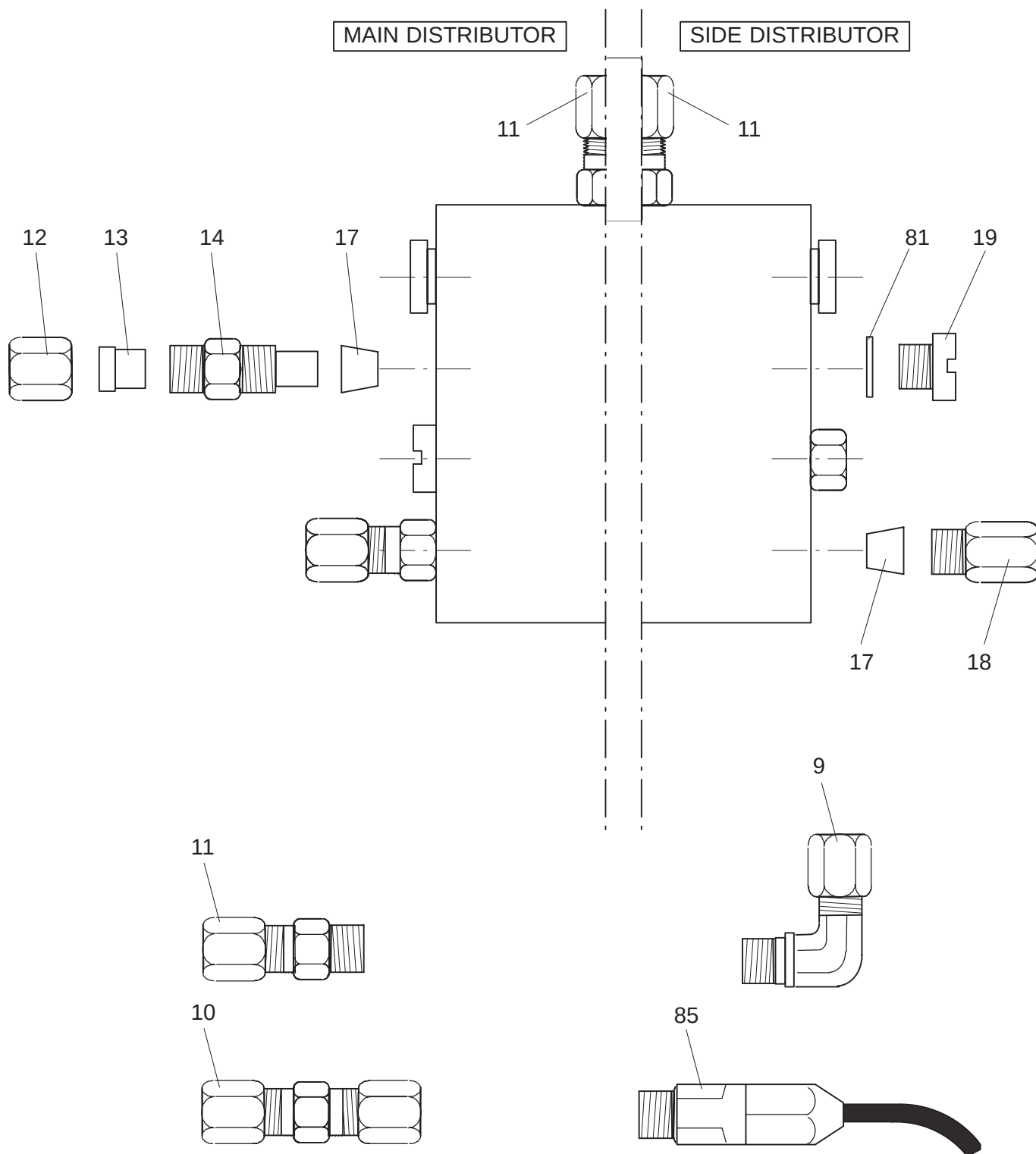
Page Página	Module Módulo	Date Data	Description Descrição	
4	KV08-0102	97-07-01	Centr. lubrication system	



			Description Descrição Centr. lubrication system			Date Data 97-07-01	Module Módulo KV08-0102	Page Página 5
Item.	Description		Order no.	Qty	S	Notes		
6	Distributor	Distribuidor	K3300509H	2	200	LINC	SSV6	619-26473-1
12	Distributor	Distribuidor	K3300512H	1	200	LINC	SSV12	619-25731-2
19	Plug	Ficha	K3300519H	11	200	LINC	M10X1	303-17499-2
27	Fitting	União	K3300525H	12	200			
41	Lug	Suporte	K5215840	1				
61	Hose	Tubo	K5172736	2				
73	Nut	Porca	641639061	2			VLS62050	10JIC
74	Sleeve	Casquilho	64160910	2			VLS62051	10JIC
82	Valve	Valvula	K3300507H	3	200	LINC	209-12158-2	
83	Filter	Filtro	N3300523H	1	200	SAFEM	STS 11770465	
85	Sensor	Sensor	K3300506H	2	200	LINC	623-25798-1	
87	Fitting	União	64348521	1	200	PARKE	6TT4XS	
91	Tube	Tubo	24101042	x		DIN2391	10x1	
103	Hose	Tubo	K3300400H	6				
114	Hose	Tubo	K5189757	4				
117	Hose	Tubo	K5189758	2				

x) Order as required (min. delivery length hoses 1 m, pipes 3 m).
x)

Page Página	Module Módulo	Date Data	Description Descrição	
6	KV08-0102	95-12-20	Lubricating sytem	

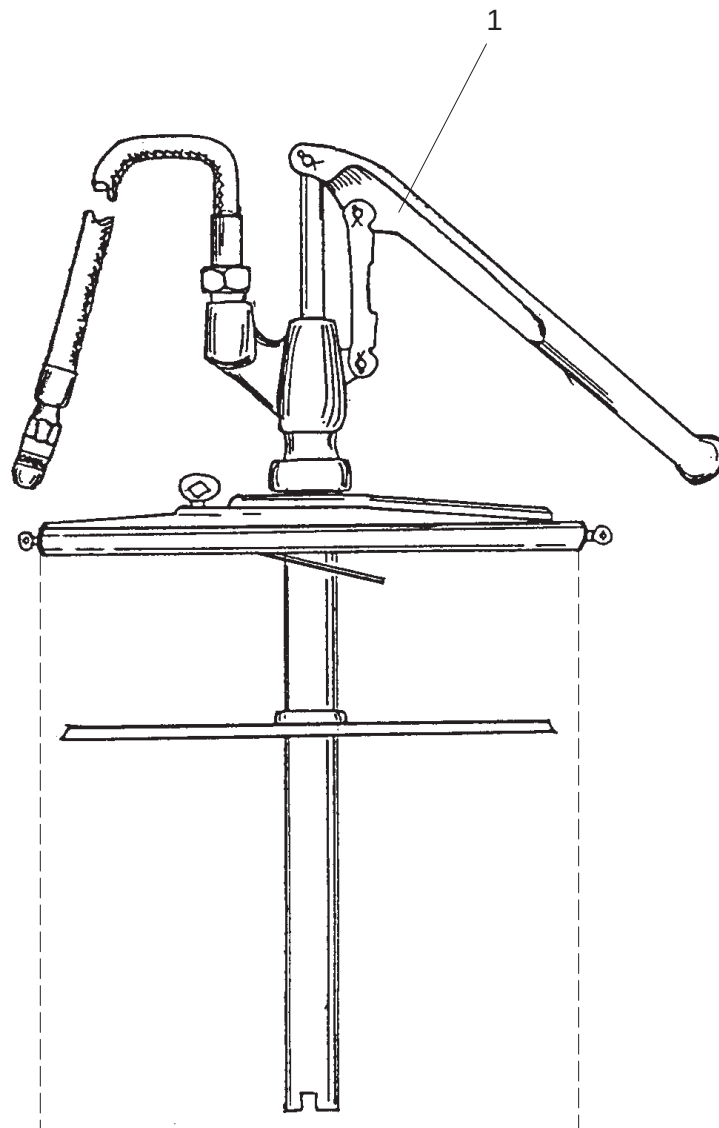


			Description Descrição		Date Data	Module Módulo	Page Página
			Lubricating sytem		95-12-20	KV08-0102	7
Item.	Description		Order no.	Qty	S	Notes	
9	Fitting	União	805810592	x		ERMET	WE6LL R1/8"
9	Fitting	União	805811408	x		ERMET	WE6LL M8x1
9	Fitting	União	805811409	x		ERMET	WE6LL M6x1
10	Fitting	União	805811404	x		ERMET	G6LL
11	Fitting	União	64104006	x		ERMET	GE6LL R1/8"
11	Fitting	União	805811406	x		ERMET	GE6LL M8x1
11	Fitting	União	805811407	x		ERMET	GE6LL M6x1
12	Nut	Porca	K3300516H	x		LINCOLN	223-12374-9
13	Cutting ring	Anel de corte	K3300515H	x		LINCOLN	223-12295-2
14	Valve	Valvula	K3300514H	x		LINCOLN	504-30364-2
17	Cone	Cone	K3300517H	x		LINCOLN	MS 404-23034-1
18	Fitting	União	K3300518H	x		LINCOLN	LA 404-20236-4-1
19	Plug	Ficha	K3300519H	x		LINCOLN	303-17499-2 M10X1
81	Gasket	Junta	K3300520H	x		LINCOLN	209-12158-2
85	Sensor	Sensor	K3300506H	x		LINCOLN	623-25798-1

x) Order as required.

x)

Page Página	Module Módulo	Date Data	Description Descrição	☐	
8	KV08-0102	95-12-20	Lubricating sytem		



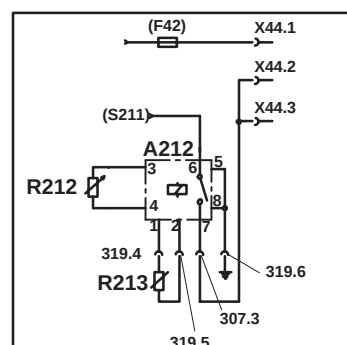
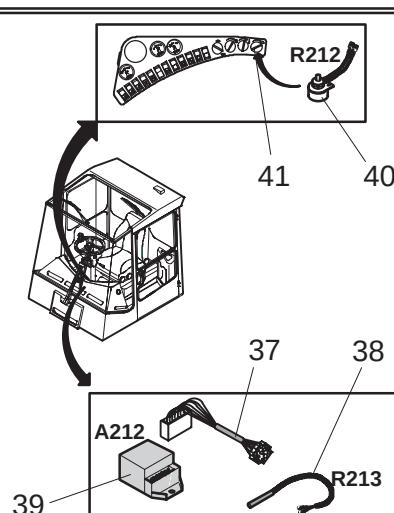
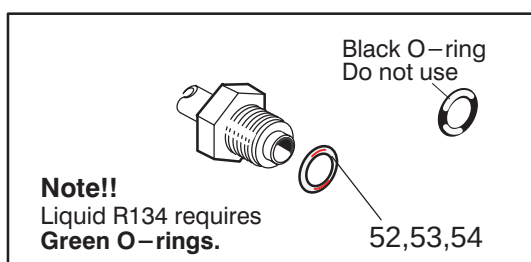
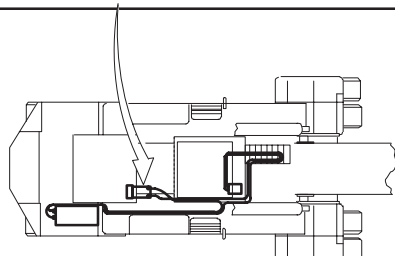
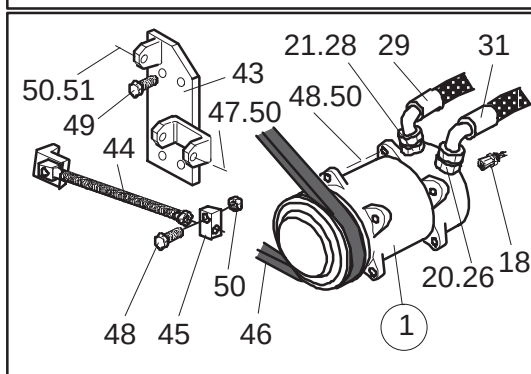
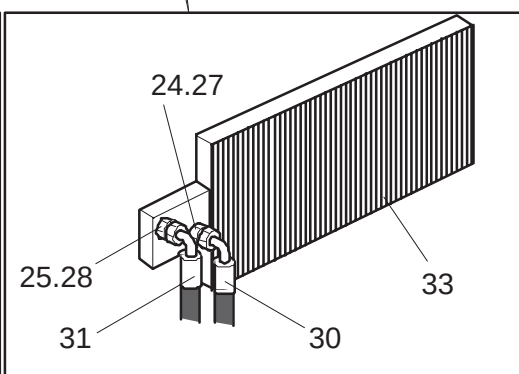
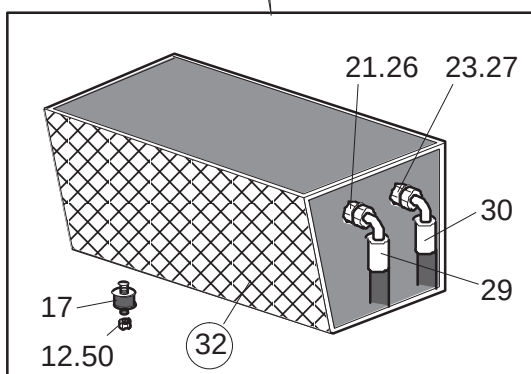
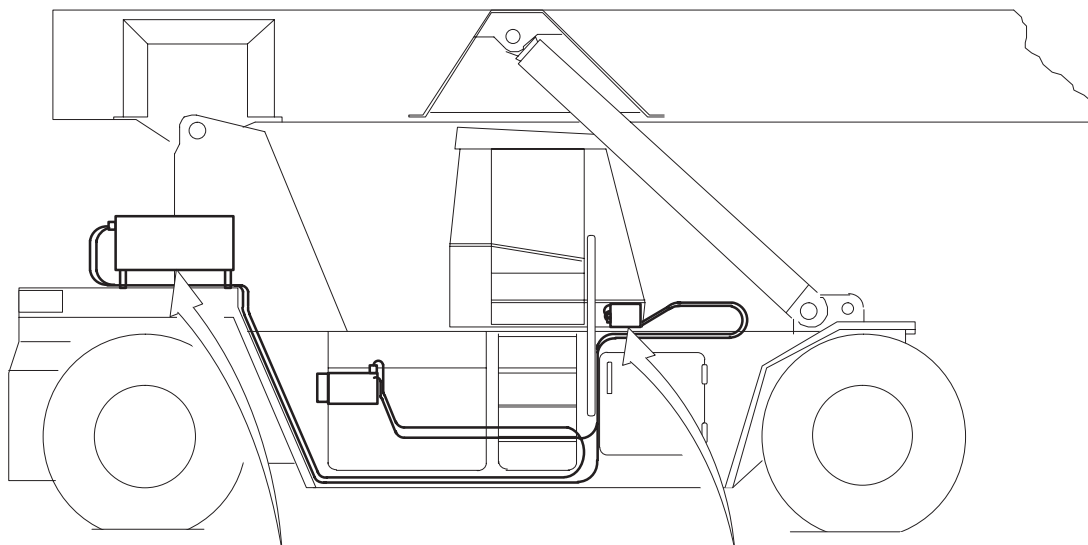
		Description Descrição Lubricating sytem			☐	Date Data 95-12-20	Module Módulo KV08-0102	Page Página 9
Item.	Description		Order no.	Qty	S	Notes		
1	Pump	Bomba	805811411	1		LINCO	1292	

	Revision Revisão VOK48/00.10.03	☐ Date Data 00-03-30	Module Módulo KV08-0105	Page Página 1/5
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KV08-0105

Air conditioner

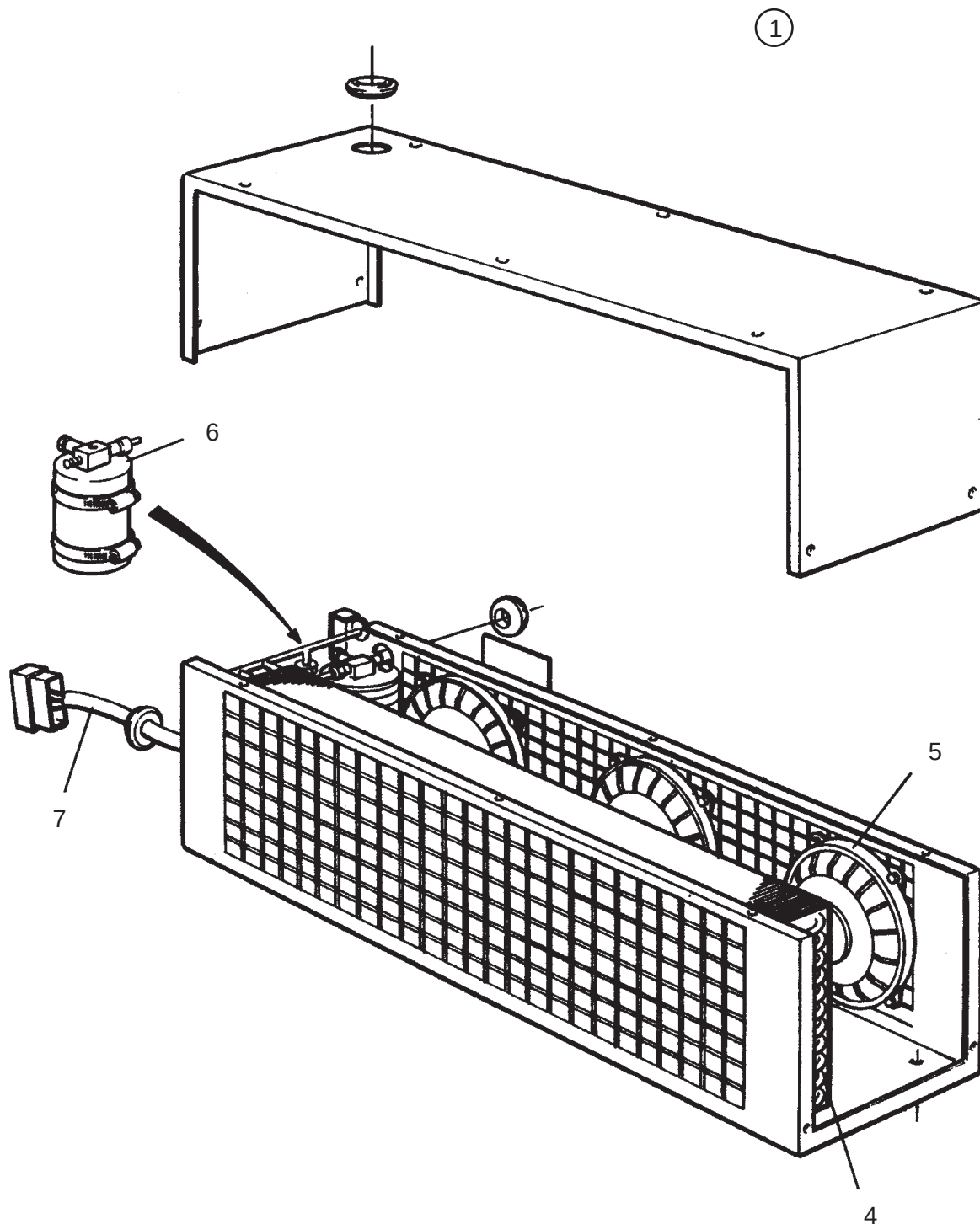
Ar condicionado



			Description Descrição		☐	Date Data	Module Módulo	Page Página
			Air conditioner			00-03-29	KV08-0105	3
Item.	Description		Order no.	Qty	S	Notes		
						T5611800		
*1	Compressor	Compressor	N3220620H	1		Selte	TM-16HD 24V	
12	Washer	Anilha	50012100	4		DIN125	10.5	
17	Damper	Batente amortecedor	770001381	4		Metal	17/1381 M10	
18	Vacuum control unit	Unidade de controlo de vácuo	65238705	1		Kysor	5404996	
20	Fitting	União	643211081	1		Termo	51719-08-08 90SK	
21	Fitting	União	643211101	1		Termo	517610 90ast/sk	
22	Fitting	União	64321108	1		Termo	517608 90ast/sk	
23	Fitting	União	64321106	1		Termo	517606 90ast/sk	
24	Fitting	União	64320507	1		Finnklima	20517410 suora/uk	
25	Fitting	União	64320506	1		Termo	517406 suora/sk/o	
26	Stuffing sleeve	Casquilho	68555810	2		Finnk	515208	
27	Stuffing sleeve	Casquilho	68555808	2		Finnk	515206	
28	Stuffing sleeve	Casquilho	68555813	2		Finnk	515210	
29	Hose	Tubo	68555710	x		Klima	255-08 13/32	
30	Hose	Tubo	68555708	x		Klima	255-06 5/16	
31	Hose	Tubo	68555713	x		Klima	255-10 1/2	
32	Condenser	Condensador	K3201015H	1			923691.0002	
33	Evaporator	Evaporador	923691.0007	1				
37	Wiring set	Conjunto instalação elect.	806817715	1		Velsa	4M4548950	
38	Sensor	Sensor	806817637	1		Klima	20.100.00.345	
39	Thermostat	Termostato	806818007	1		Behr	20.100.00.0227	
40	Potentiometer	Potenciómetro	806817522	1		Behr	20.100.00.0228	
41	Knob	Punho	806817497	1			25-0142	
43	Support, right	Suporte, direito	T5515750	1				
44	Rod	Veio	K5170760	1				
45	Fastener	Ligador	K5170770	1				
46	V-belt	Correia	68422033	1			A33	
47	Screw	Parafuso	53060182	2		ISO4017	M10x35	
48	Screw	Parafuso	53060185	2		ISO4017	M10x50	
49	Screw	Parafuso	53060178	4		ISO4017	M10x20	
50	Nut	Porca	51010100	14		DIN985	N M10	
51	Screw	Parafuso	53060183	1		ISO4017	M10x40	
52	O-ring	O'ring	643242061	2			7028-06(R134)green	
53	O-ring	O'ring	643244101	2			7028-10(R134)green	
54	O-ring	O'ring	643243081	2			7028-08(R134)green	

*) Compl.

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		Description Descrição Condenser	☐		Date Data 00-03-30	Module Módulo KV08-0105	Page Página 5
Item.	Description	Order no.	Qty	S	Notes		

*1	Condenser	Condensador	K3201015H	1		923691.0002	
4	Cell	Elemento	923705.0474	1			
5	Fan	Ventoinha	923705.0469	3			
6	Drier	Secador	9237050470	1			
7	Wiring set	Conjunto instalação elect.	923705.0472	1			

*)Note!

*)

When ordering Spare Parts, please be sure to communicate the following information:
Liquid R134

