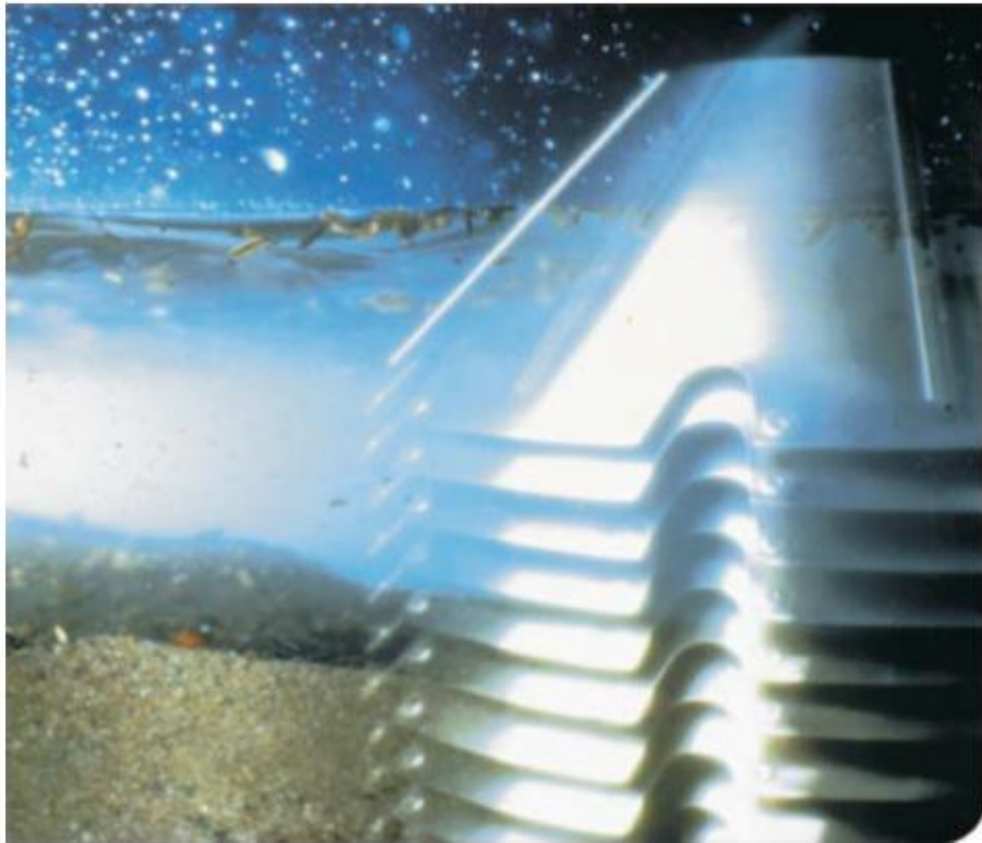


CENTRIFUGA ALFA LAVAL

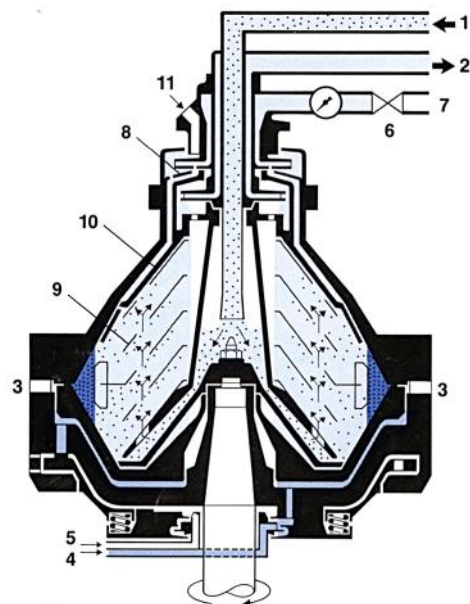
PARTES _____ PX 313



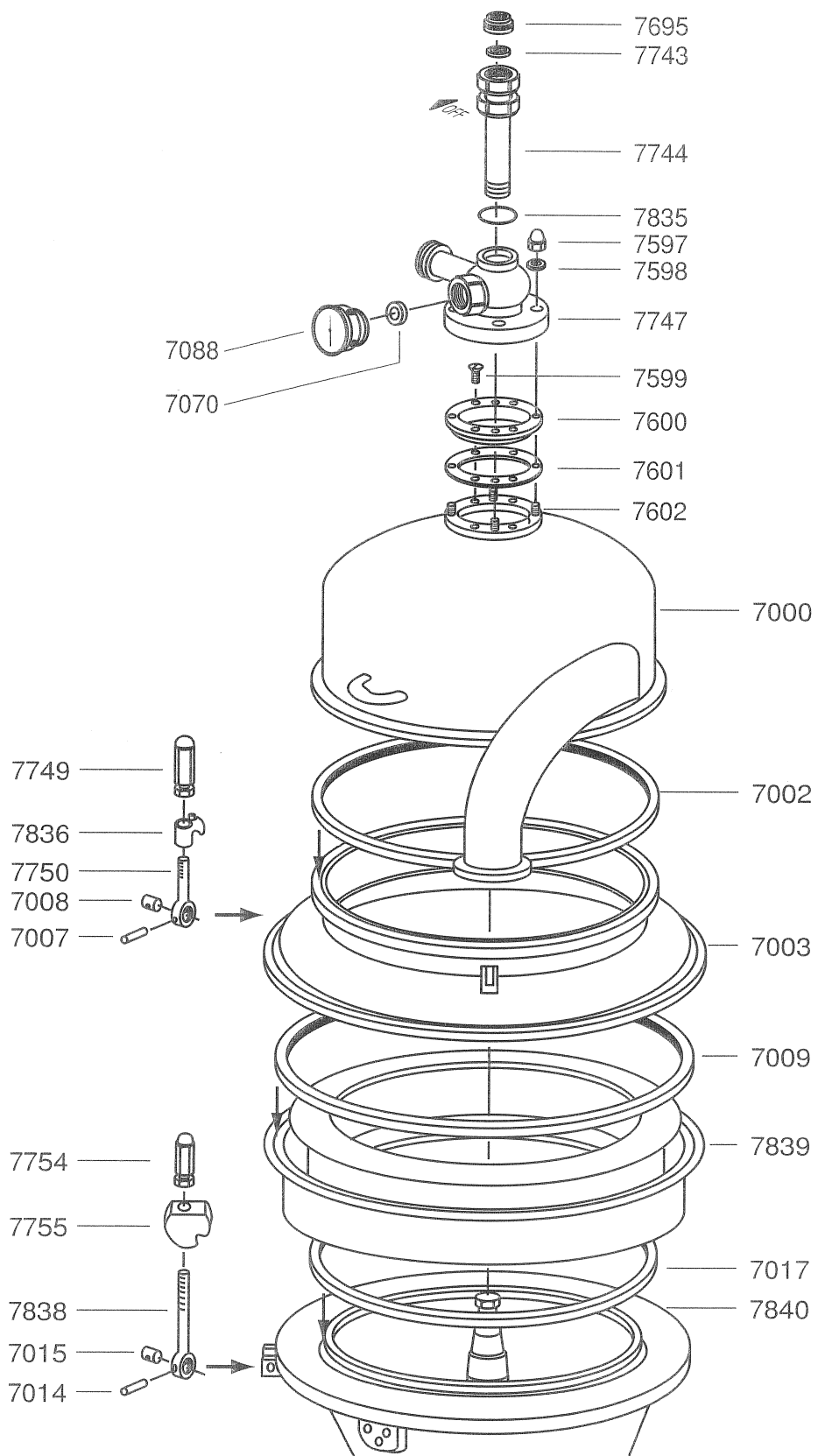
DATA BOOK

1. Oil inlet
2. Oil outlet
3. Sludge outlet
4. Make up and closing water inlet
5. Opening water inlet
6. Water drain valve

7. Water outlet
8. Flow control disc
9. Disc stack
10. Top disc
11. Inlet for conditioning and displacement water



MACHINE TOP PART, INLET & OUTLET



MACHINE TOP PART, INLET & OUTLET

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7000	39177	Cover Frame	1
7002	37311, 67411	O-Ring	1
7003	39160, 74689	Shell, Top	1
7007	39420, 67783	Pin Groove	4
7008	39434, 71456	Pin, Hinge Small	4
7009	39268, 67811	O-Ring	1
7014	39118, 73198	Pin, Cross	12
7015	39119, 72449	Pin, Large Hinge	12
7017	39267, 67675	O-Ring	1
7070	39273, 74384	Membrane, Rubber	1
7088	39239, 74386	Gauge, Pressure	1
7597	72947	Nut Cap	4
7598	223101-34	Washer	4
7599	2212608-03	Screw	4
7600	527971-01	Guide Ring	1
7601	528096-01, 02	Height Adjusting Ring	7
7602	67912	Stud Bolt	4
7695	190644	Nipple	1
7743	190604	Packing	1
7744	537511-80	Inlet Pipe	1
7747	530096-80	Discharge Cover	1
7749	536704-02	Cap Nut	4
7750	225444-33	Hinged Bolt w/Guide Pin	4
7754	536737-01	Cap Nut	12
7755	539758-01	Clamping Shoe	12
7835	2234121-18	O-Ring	1
7836	519679-04	Clamping Shoe	4
7838	225415-43	Link Screw	12
7839	524216-80	Frame Ring	1
7840	540239-80	Frame Top Part Complete	1

SEPARATOR BOWL

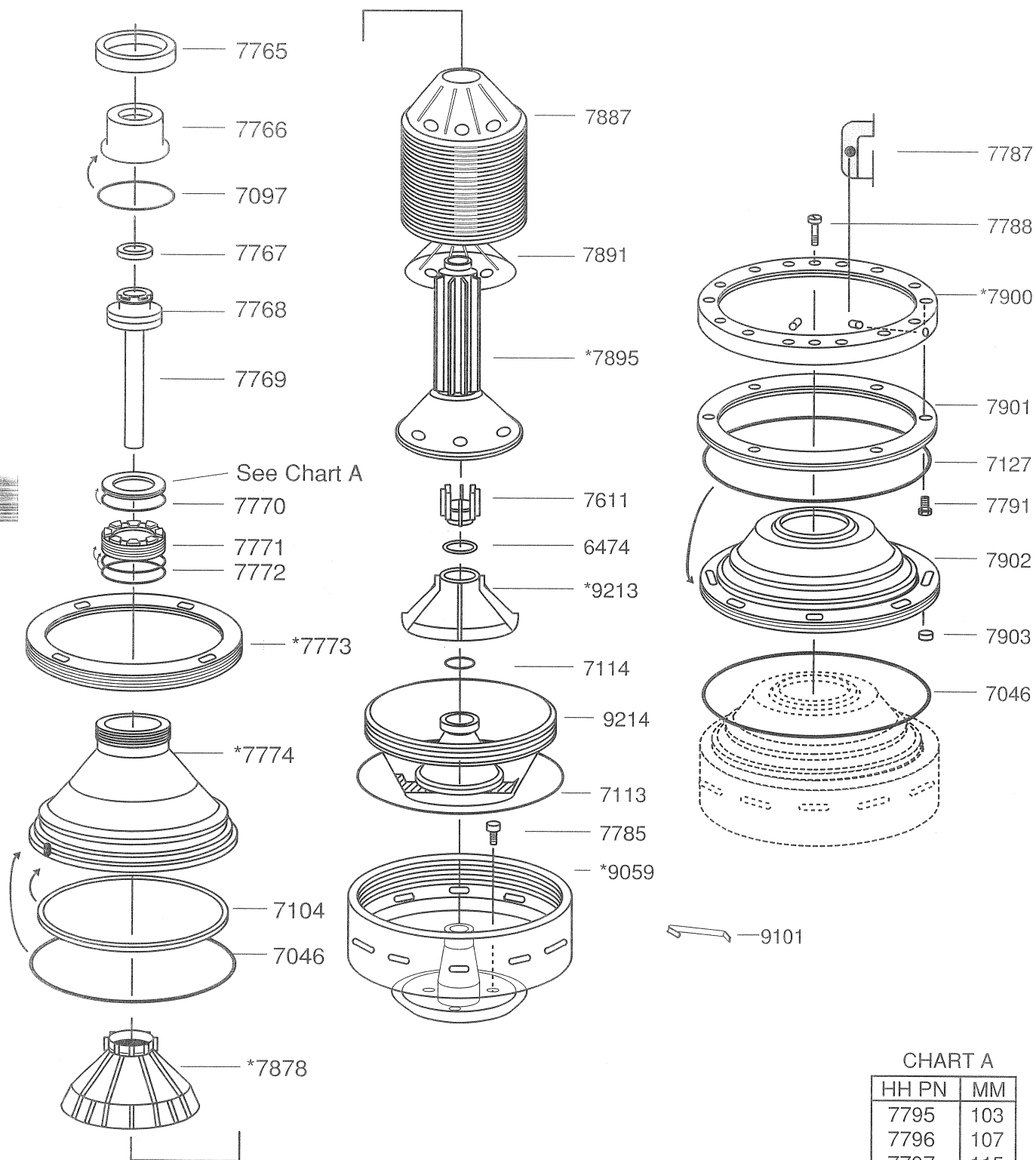


CHART A

HH PN	MM
7795	103
7796	107
7797	115
7798	127
7799	155

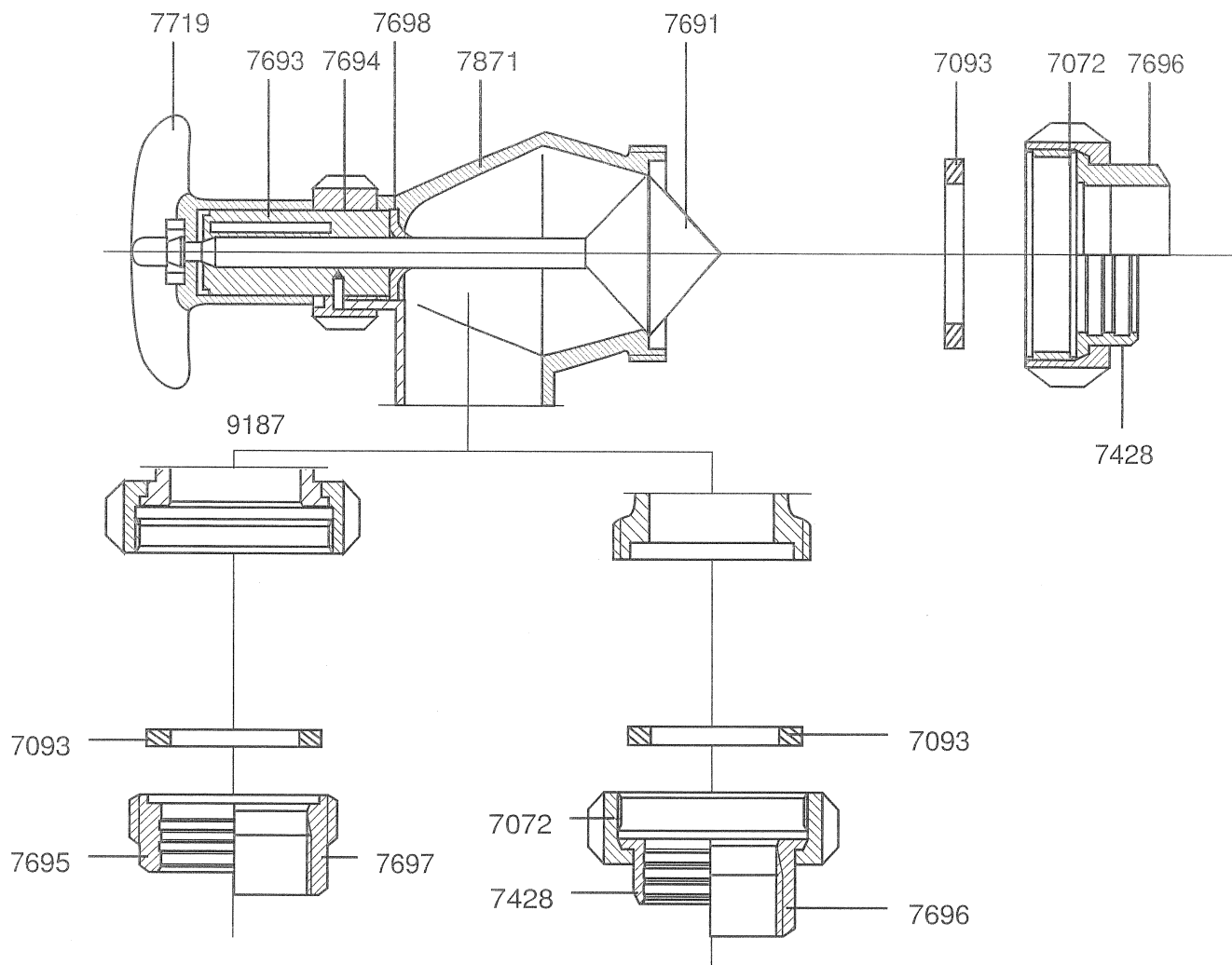
* Exchange requires rebalance of bowl assembly, please send complete bowl in for service.

SEPARATOR BOWL

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6474	8200034-01, 520200-02	Gasket	1
7046	39275, 74355	O-Ring, Inner Shell	1
7097	39144, 65133, 223412-88	Gasket	1
7104	39026, 74736	Seal Ring	1
7113	39276, 8700083-02, 74722	O-Ring SQ	1
7114	39277, 74356, 8700073-01	O-Ring	1
7127	525643-02	O-Ring	1
7611	536939-02	Cap Nut LH Thread	1
7765	39477, 72123	Lock Ring Sm. LH Thread	1
7766	530087-03	Paring Chamber Top	1
7767	516281-14	Packing	1
7768	536345-01, 536345-80	Paring Disc Top	1
7769	536343-80	Paring Disc Bottom Part	1
7770	223406-98	Seal Ring	1
7771	536527-01	Paring Chamber Bottom Part	1
7772	223412-31	Seal Ring	2
*7773	535370-01, 02	Lock Ring LH Thread	1
*7774	535406-01, 02	Bowl Hood	1
7785	536773-01	Screw	3
7787	515133-04	Nozzle	2
7788	221721-20	Screw	12
7791	221711-07	Screw	6
7795	530200-01	Gravity Disc 103mm	1
7796	530200-02	Gravity Disc 107mm	1
7797	530200-03	Gravity Disc 115mm	1
7798	530200-04	Gravity Disc 127mm	1
7799	530200-05	Gravity Disc 155mm	1
*7878	74730	Top Disc	1
7887	75062	Bowl Disc	114
7891	75061	Bowl Disc	1
*7895	540398-04	Distributor	1
*7900	539615-01, 02	Dosing Ring	1
7901	535358-01	Insert Ring	1
7902	539740-80	Operating Slide	1
7903	539745-01	Valve Plug	3
*9059	539742-80	Bowl Body 413	1
9101	536568-02	Liner 12 Port Wear	12
9212	539752-81	Purifier Bowl w/O.9mm Caulks	1
*9213	536805-80	Distributing Cone	1
9214	539738-01	Sliding Bowl Bottom	1

*Exchange requires rebalance of bowl assembly, please send complete bowl in for service.

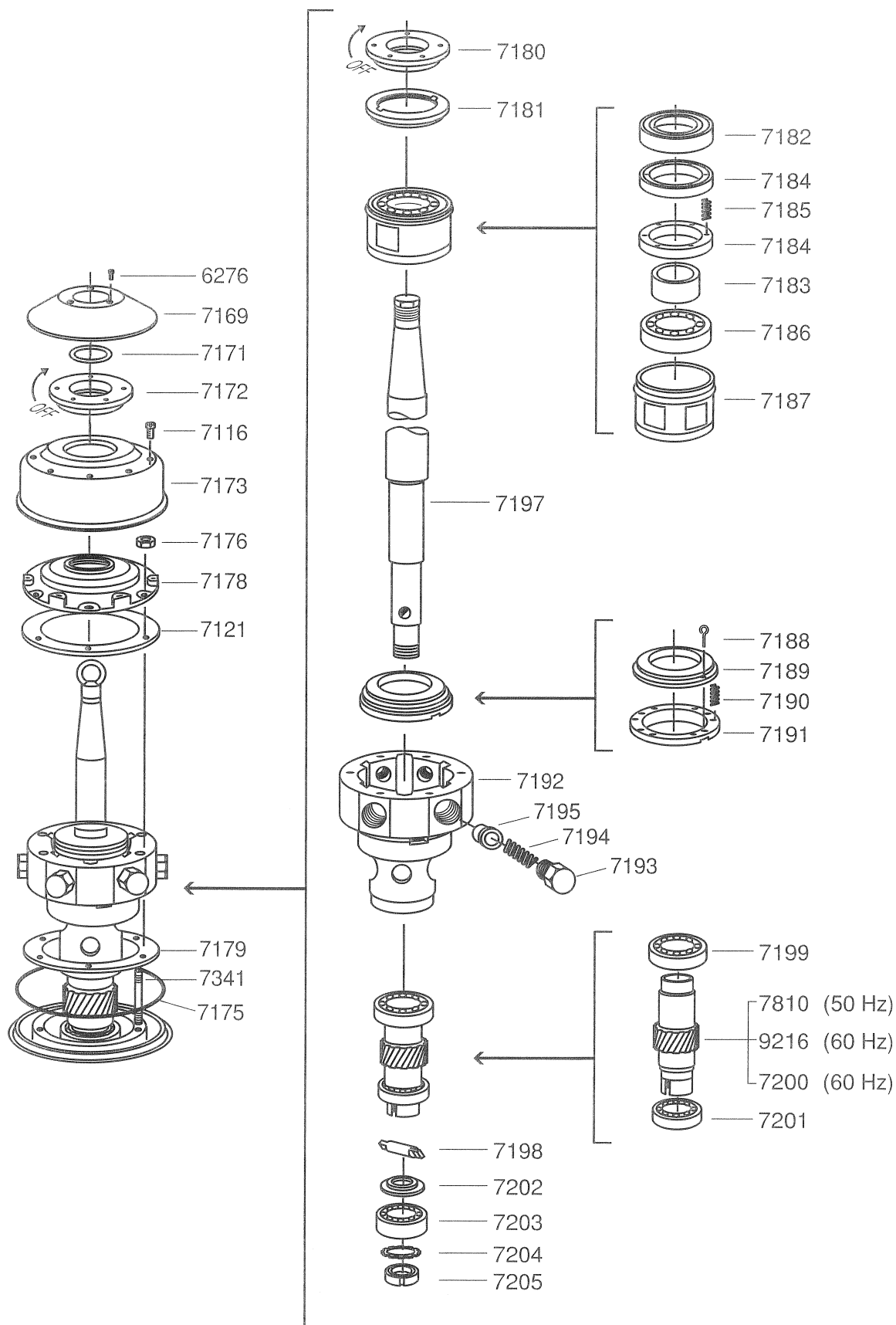
REGULATING VALVE



REGULATING VALVE

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7072	190616	Coupling Nut	1
7093	71068	Packing	2
7428	190630	Sleeve (even pipes) 51mm, 2"	1
7691	74421	Valve Cone	1
7693	74425	Valve Bushing	1
7694	190613	Coupling Nut	1
7695	190644	Nipple (even pipes) 51mm, 2"	1
7696	72234	Sleeve (threaded pipes) R 1 1/2"	1
7697	72226	Nipple (threaded pipes) R 1 1/2"	1
7698	74494	Packing Collar	1
7719	518469-03	Hand Wheel	1
7871	74370	Valve Body	1
9187	74414	Regulating Valve w/o Connecting Parts	1

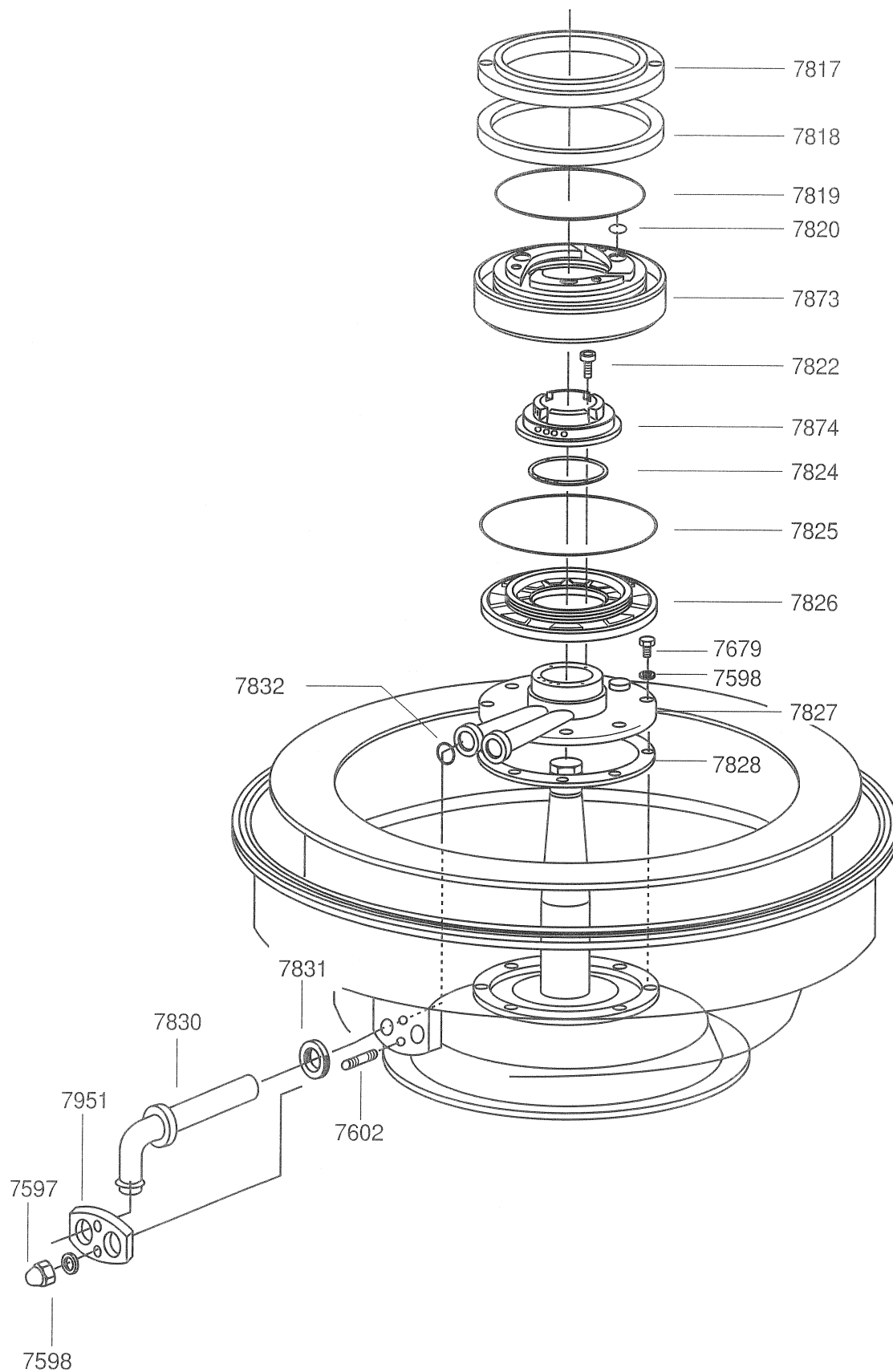
VERTICAL DRIVE



VERTICAL DRIVE

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6276	74396	Screw	3
7116	2211724-23	Screw	6
7121	70345	Packing	1
7169	74491	Top Shield	1
7171	65201	Seal Ring	1
7172	70720	Throw-Off Collar (left-hand thread)	1
7173	70830	Protecting Cap	1
7175	64104	Seal Ring	1
7176	70704	Nut	6
7178	75015	Cover	1
7179	65192	Packing	1
7180	70717	Oil Fan	1
7181	70716	Lock Ring	1
7182	70715	Ball Bearing	1
7183	70712	Spacing Sleeve	1
7184	70713	Spring Support	2
7185	70714	Spring	6
7186	69850	Angular Contact Ball Bearing	1
7187	70711	Ball Bearing Housing	1
7188	16435	Split Pin	2
7189	70710	Wear Ring	1
7190	70340	Spring	12
7191	70709	Spring Support	1
7192	73989	Spring Casing	1
7193	70347	Plug	6
7194	66191	Spring	6
7195	70346	Buffer	6
7197	74702	Spindle	1
7198	65190	Conveyor	1
7199	65186	Ball Bearing	1
7200	70897	Worm 60Hz	1
7201	65187	Ball Bearing	1
7202	73988	Intermediate Washer	1
7203	69843	Ball Bearing	1
7204	66076	Lock Washer	1
7205	67476	Round Nut	1
7341	532348-01	Stud Bolt	6
7810	69828	Worm 50Hz	1
9216	520320-08	Worm 60Hz	1

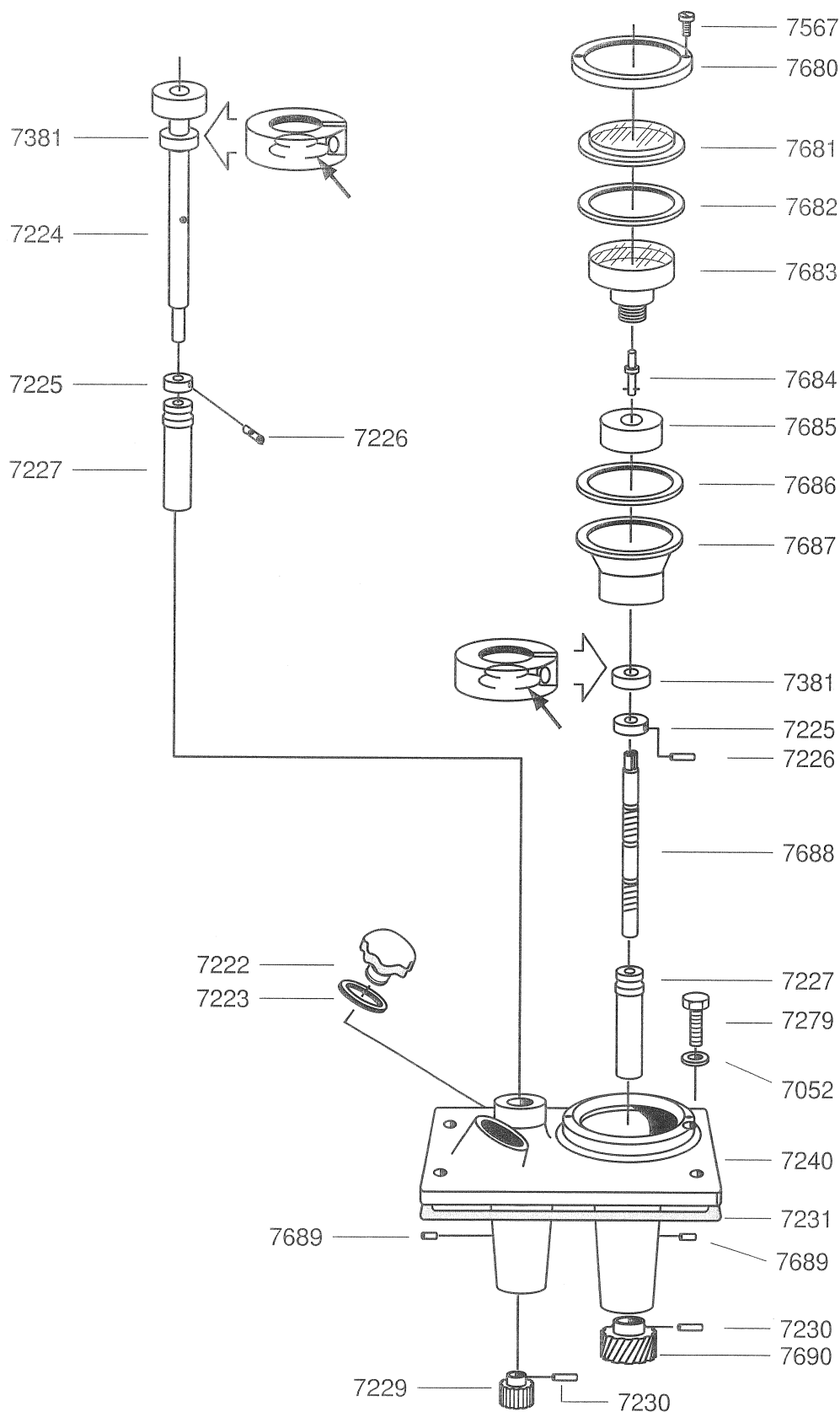
PARING DISC DEVICE FOR OPERATING LIQUID



PARING DISC DEVICE FOR OPERATING LIQUID

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7597	72947	Cap Nut	2
7598	223101-34	Washer	6
7602	67912	Stud Bolt	2
7679	2210942-36	Screw	6
7817	536784-02	Piston	1
7818	535366-01	Seal Ring	1
7819	223412-38	Seal Ring	1
7820	223404-18	Seal Ring	3
7822	221711-13	Screw	4
7823	536335-01	Control Paring Disc	1
7824	536775-01	Packing	1
7825	223412-15	O-Ring	1
7826	536334-02	Cover	1
7827	536331-80	Distributing Cover	1
7828	530208-01	Height Adjusting Ring	5
7829	530185-02	Clamp Washer	1
7830	536323-80	Inlet Pipe	2
7831	8401	Rectangular Ring	2
7832	74067	Rectangular Ring	1
7873	536333-80	Distributing Ring	1
7874	536715-02	Control Paring Disc	1
7951	530185-01	Clamp Washer	1

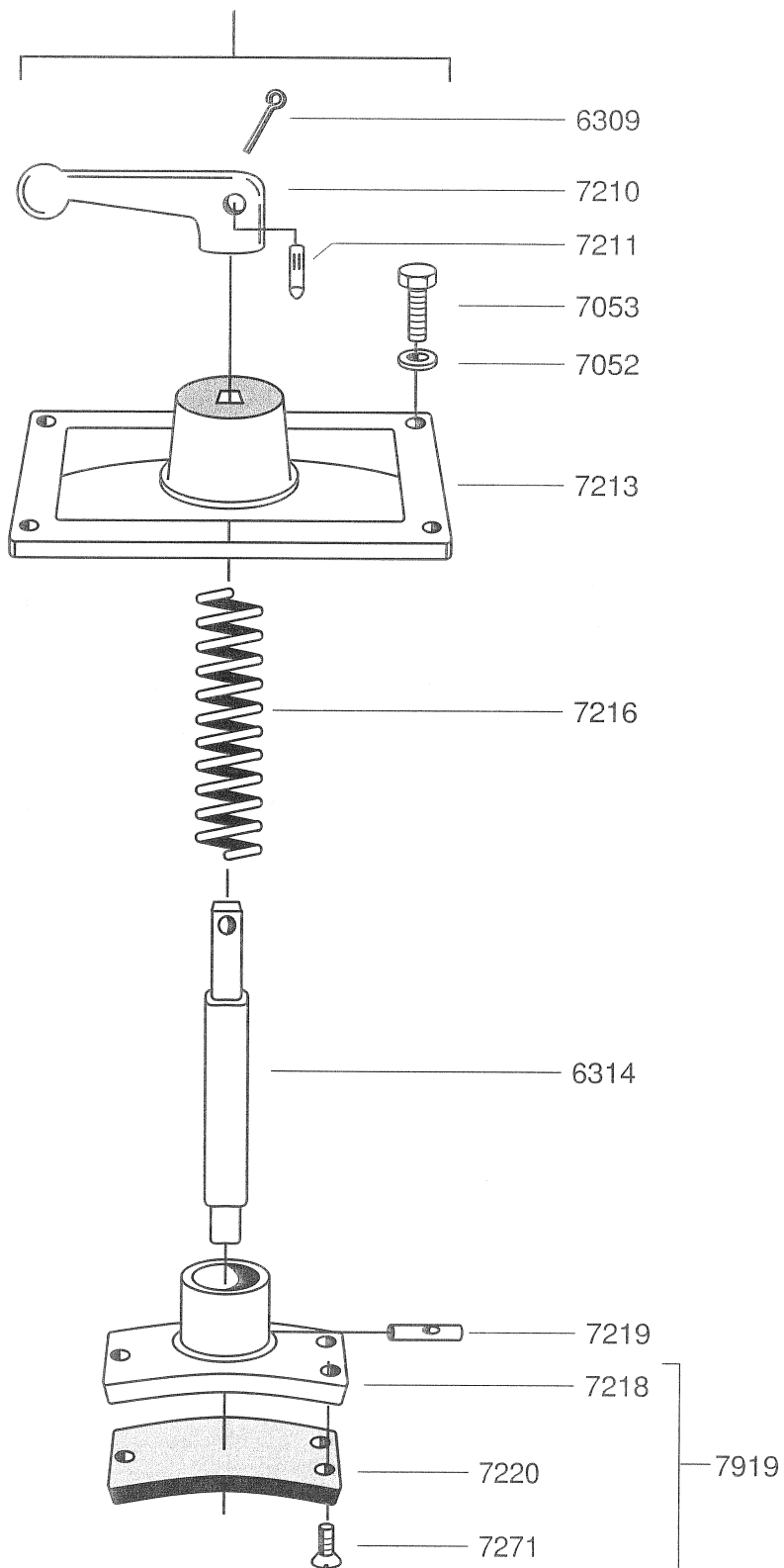
REVOLUTION COUNTER AND TACHOMETER



REVOLUTION COUNTER AND TACHOMETER

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7052	20758, 65451	Washer	6
7222	65459	Oil Filler Cap	1
7223	38324	Packing	1
7224	69209	Shaft	1
7225	69211	Stop Ring	1
7226	69212	Slotted Pin	1
7227	70321	Bushing	1
7229	69214	Gear Wheel	1
7230	69226	Taper Pin	2
7231	65220	Packing	1
7240	70320	Cap	1
7279	72933	Screw	6
7381	38710	Lipseal Ring	1
7567	11565	Screw	4
7680	43105	Ring	1
7681	43094	Protecting Glass	1
7682	43695	Seal Ring	1
7683	537470-02	Tachometer	1
7684	537469-80	Intermediate Shaft	1
7685	70325	Holder	1
7686	70323	Packing	1
7687	70324	Guide Sleeve	1
7688	70322	Shaft	1
7689	221585-13	Set Screw	2
7690	69225	Gear Wheel	1

BRAKE

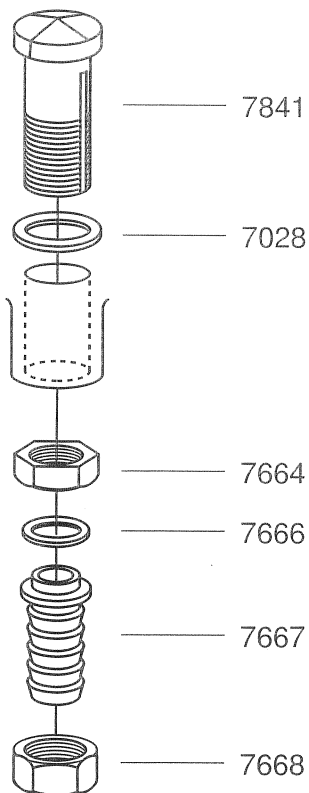


BRAKE

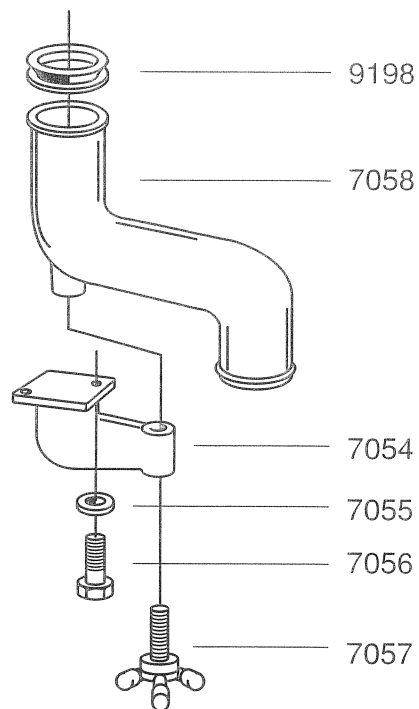
<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6309	8199	Split Pin	1
6314	65461	Spindle	1
7052	65451	Washer	4
7053	2210942-38	Screw	6
7210	533513-1	Handle	1
7211	39098	Pin	1
7213	67786	Cap	1
7216	39096	Spring	1
7218	65226	Brake Shoe	1
7219	67960	Slotted Pin	1
7220	65227	Lining	1
7271	8341	Screw	3
7919	537602-80	Brake Shoe Complete	1

FRAME PARTS I

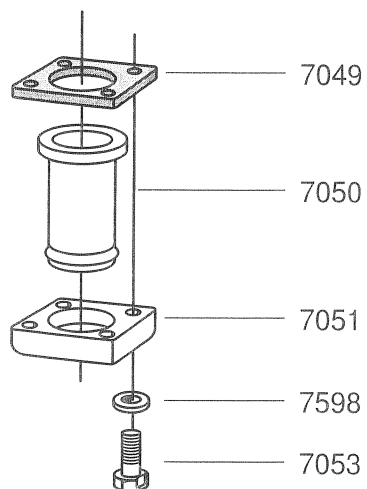
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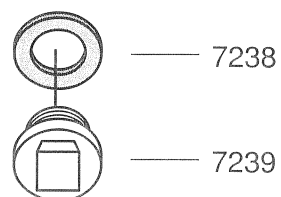
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B



D

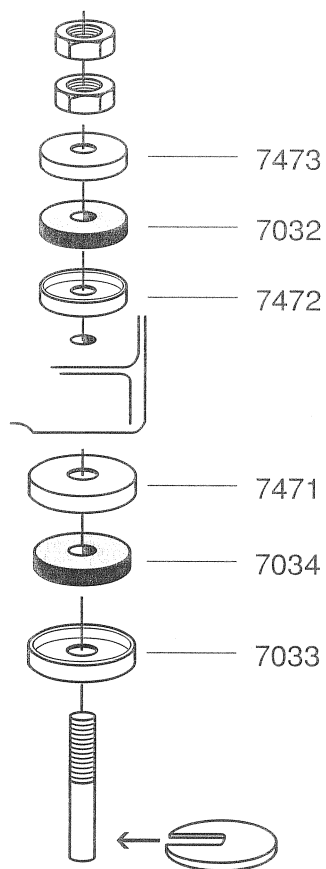


FRAME PARTS I

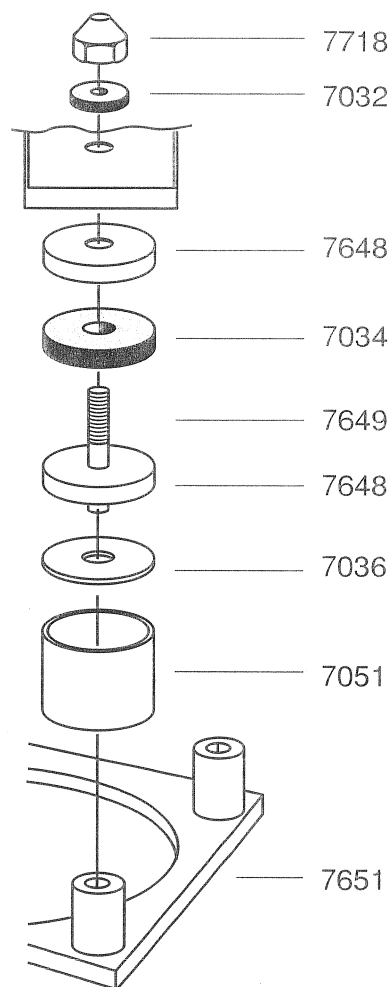
<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7028	39790	Packing	1
7049	74700	Packing	1
7050	69626	Pipe	1
7051	74699	Flange	1
7053	2210942-38	Screw	4
7054	74693	Bracket	1
7055	68631	Washer	2
7056	2210950-13	Screw	2
7057	74475	Clamp Screw (left-hand thread)	1
7058	74694	Tube Bend	1
7238	35607	Packing	1
7239	62467	Plug	1
7598	223101-34	Washer	4
7664	71846	Nut	1
7666	68937	Packing	1
7667	68936	Hose Nipple	1
7668	71343	Coupling Nut	1
7841	520238-01	Nozzle	1
9198	74698	Seal Ring	1

FRAME PARTS II

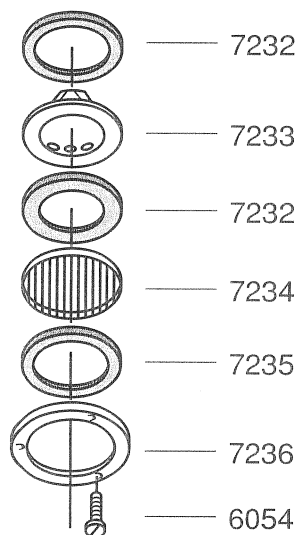
E



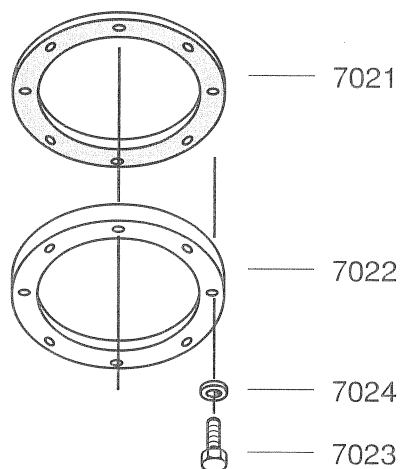
G



F



H

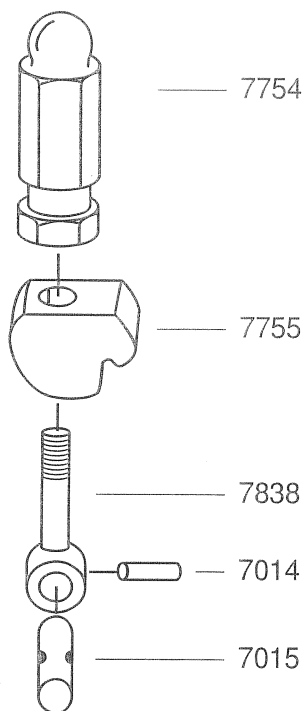


FRAME PARTS II

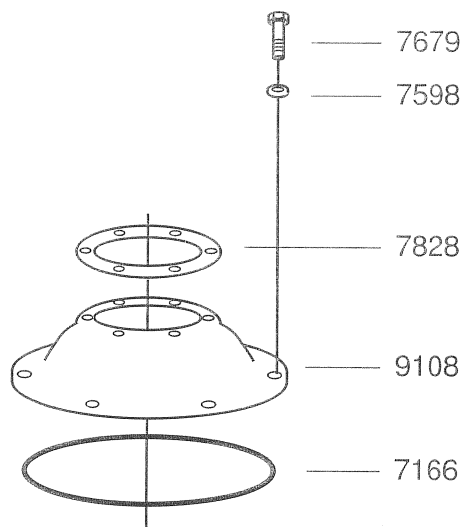
<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6054	2211722-28	Screw	3
7021	37490	Packing	1
7022	38714	Cap	1
7023	65437	Screw	6
7024	66381	Washer	6
7032	65235	Rubber Washer	4
7033	65233	Cup	4
7034	65232	Rubber Washer	4
7036	71077	Height Adjusting Washer	(as required)
7051	71074	Spacing Tube	1
7232	38967	Packing	2
7233	61899	Oil Level Stabilizer	1
7234	38685	Glass Disc	1
7235	37167	Packing	1
7236	65457	Washer	1
7471	65234	Cup Cover	4
7472	65236	Cup	4
7473	65237	Cup Cover	4
7648	520588-01	Cup Cover	4
7649	2216321-04	Stud Bolt	4
7651	520585-80	Foundation Plate for Embedment	1
7718	424257-1	Nut	4

FRAME PARTS III

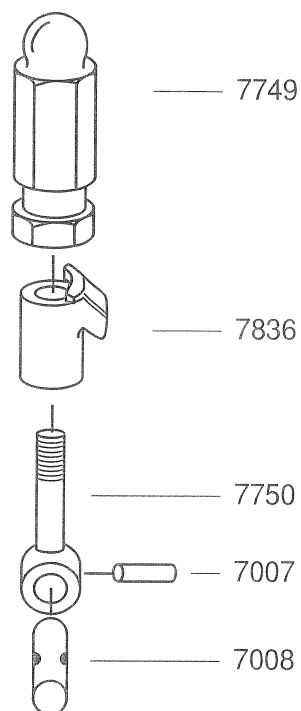
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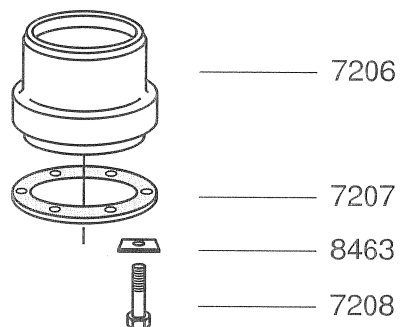
K



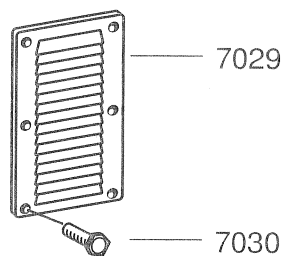
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L



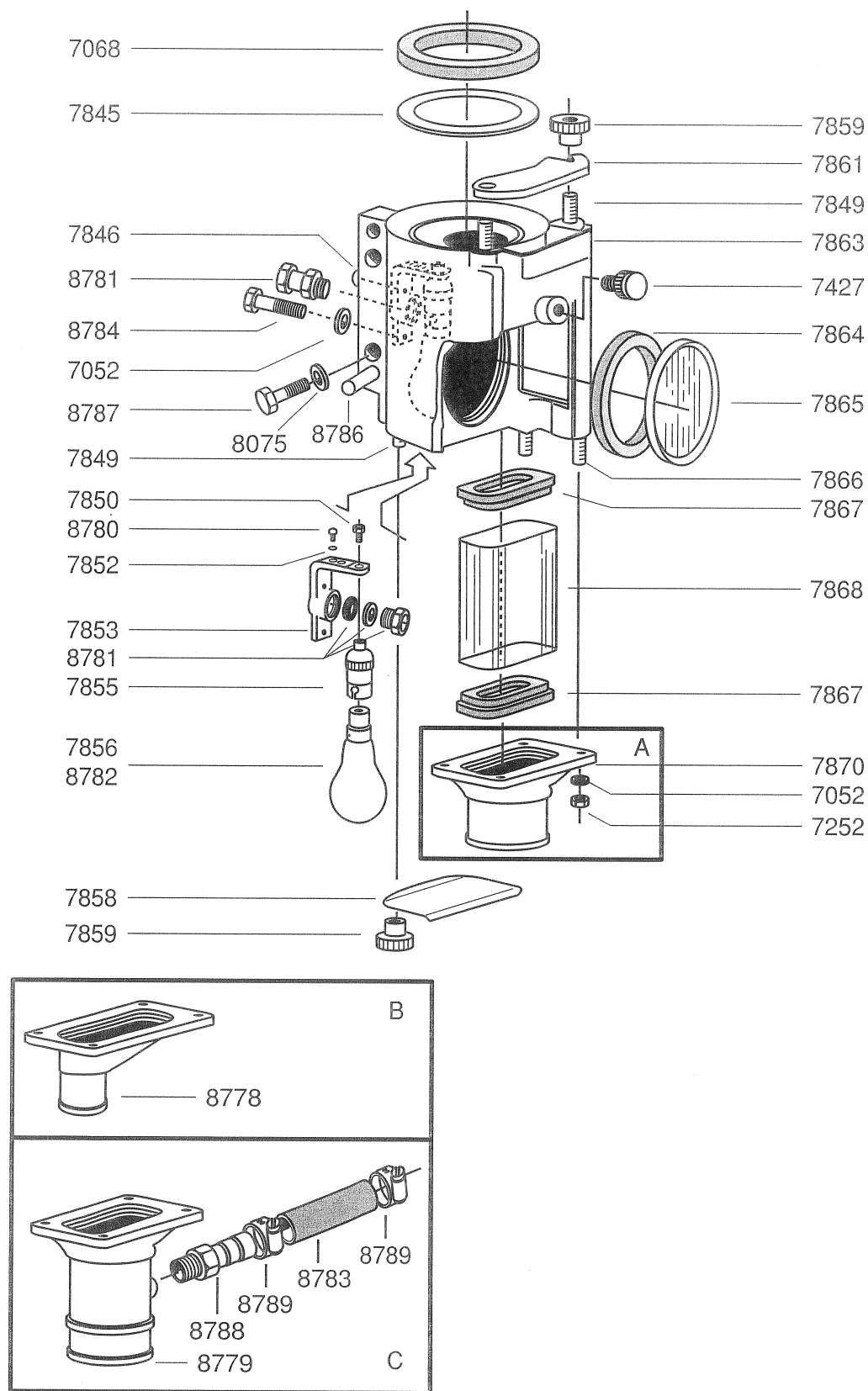
M



FRAME PARTS III

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7007	67783	Pin	4
7008	71456	Hinge Pin	4
7014	73198	Pin	12
7015	72449	Hinge Pin	12
7029	65445	Grating	1
7030	2211722-25	Screw	6
7166	67566	Seal Ring	1
7206	70318	Bushing	1
7207	65211	Packing	1
7208	65193	Screw	8
7598	223101-34	Spring Washer	6
7679	2210942-36	Screw	6
7749	536704-02	Cap Nut	4
7750	225444-33	Hinged Bolt	4
7754	536737-01	Cap Nut	12
7755	539758-01	Clamping Shoe	12
7828	530208-01	Height Adjusting Ring	(as required)
7836	519679-04	Clamping Shoe	4
7838	225415-43	Hinged Bolt	12
8463	63256	Lock Washer	8
9108	211687-01	Hood	1

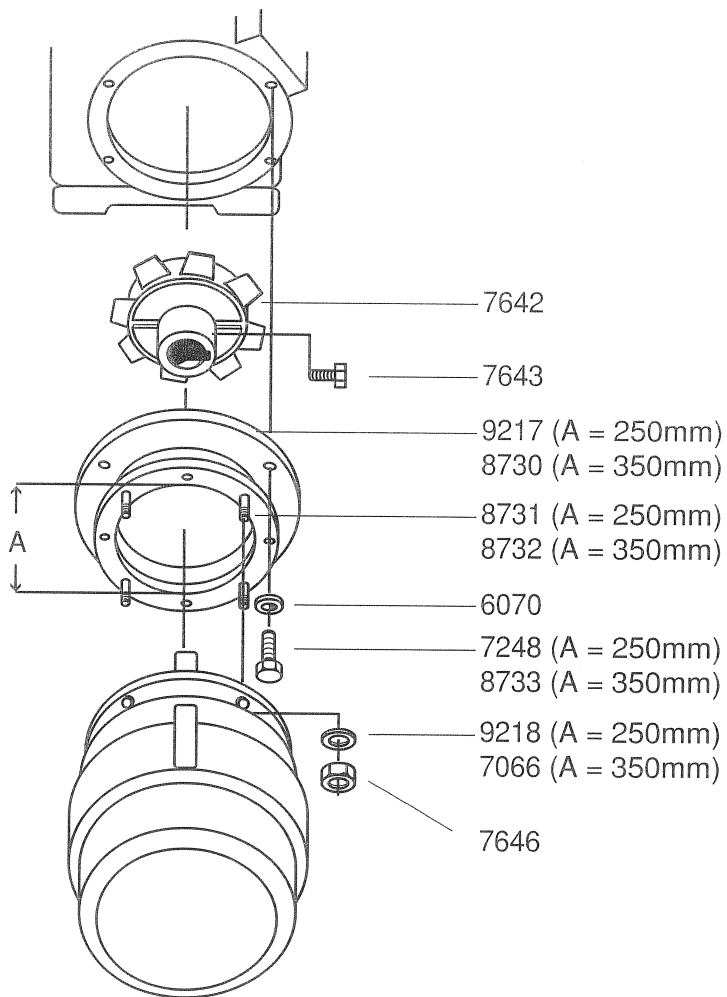
SIGHT GLASS BOX



SIGHT GLASS BOX

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7052	20758	Washer	4
7068	71162	Seal Ring	1
7252	40036	Nut	4
7427	69630	Vent Screw	1
7845	69584	Height Adjusting Ring	1-4
7846	66168	Slotted Pin	1
7849	70485	Stud Bolt	2
7850	74465	Screw	1
7852	25357	Washer	2
7853	74464	Holder	1
7855	65252	Lamp Socket	1
7856	62678	Lamp 25W, 250 V	1
7858	74469	Cover	1
7859	71349	Hand Wheel	2
7861	74468	Cover	1
7863	74459	Sight Glass Box	1
7864	68076	Seal Ring	1
7865	68075	Sight Glass	1
7866	71143	Stud Bolt	4
7867	65247	Seal Ring	2
7868	74462	Glass Tube	1
7870	74463	Outlet Flange	1
8075	223101-37	Washer	2
8778	517895-2	Outlet Flange	1
8779	74629	Outlet Flange	1
8780	24846	Grounding Screw	1
8781	980081-80	Cable Fitting	1
8782	63264	Lamp 25W, 140V	1
8783	68951	Hose	1
8784	74472	Screw	1
8786	67429	Guide Pin	1
8787	2210950-32	Screw	2
8788	68956	Hose Nipple	1
8789	69167	Hose Clamp	1

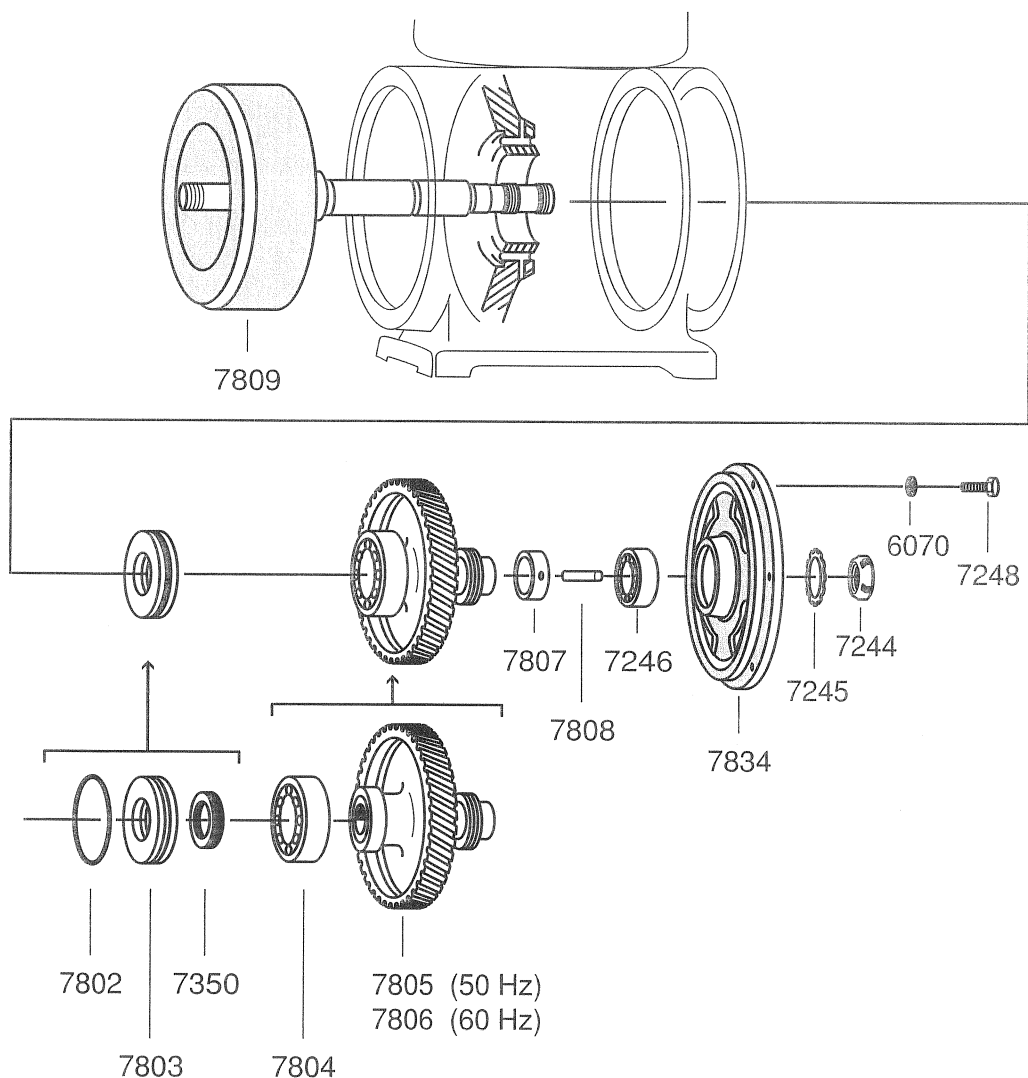
FLANGE MOTOR



FLANGE MOTOR

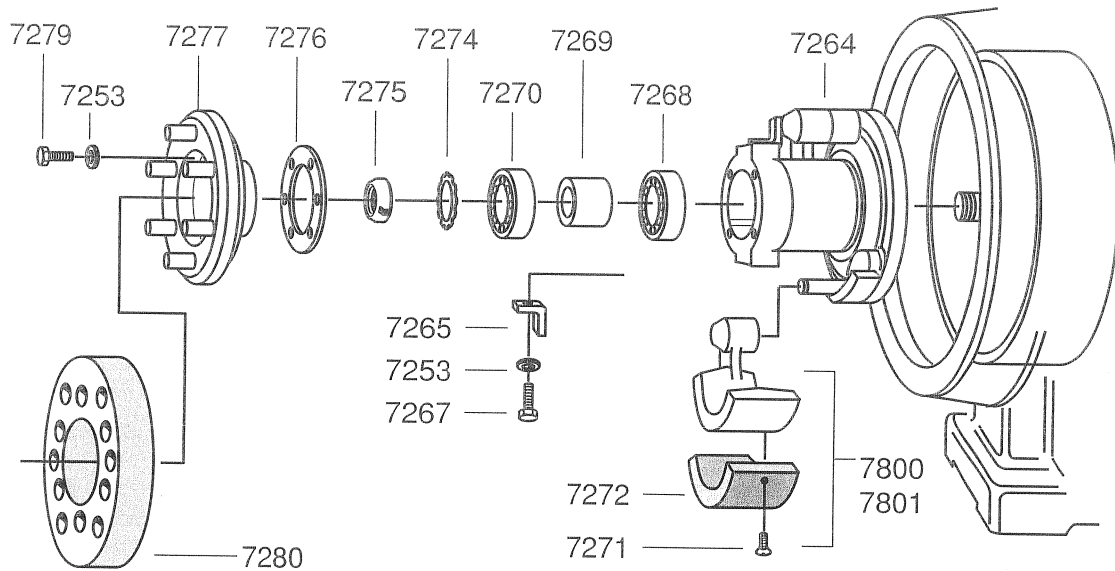
<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6070	70492	Washer	8
7066	70490	Washer	8
7248	65231	Screw	8
7642	533507-80	Coupling Pulley	1
7643	2210941-18	Set Screw	1
7646	2218043-4	Nut	4
8730	67191	Motor Adapter	1
8731	70489	Stud Bolt	4
8732	66765	Stud Bolt	8
8733	70494	Screw	8
9217	72670	Motor Adapter	1
9218	70528	Washer	4

WORM WHEEL SHAFT



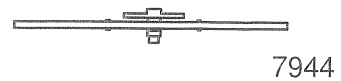
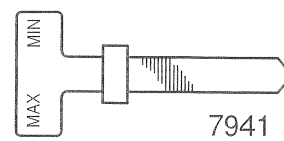
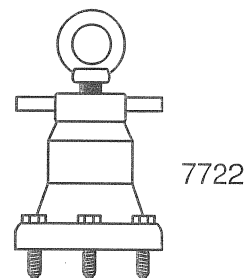
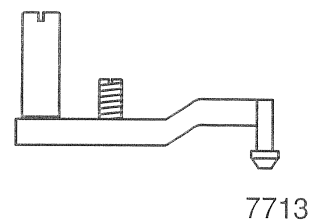
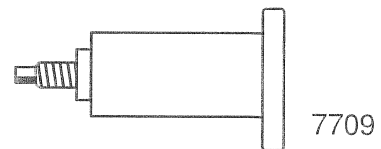
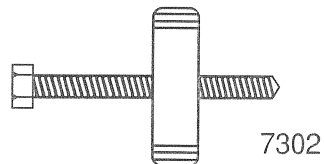
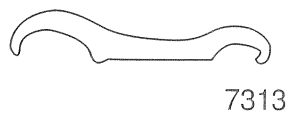
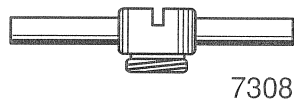
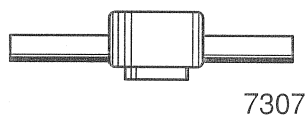
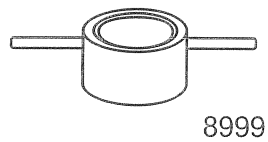
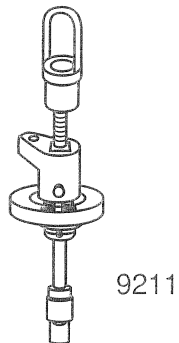
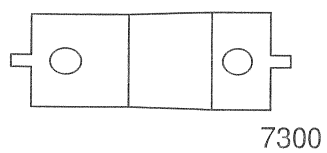
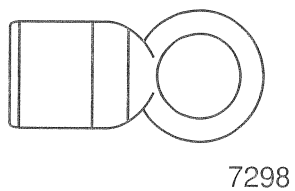
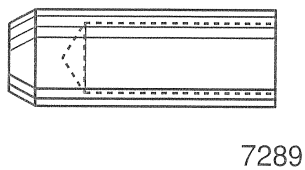
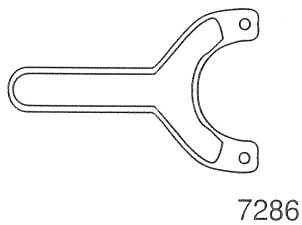
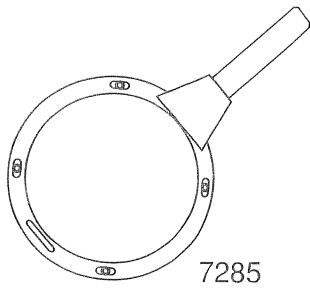
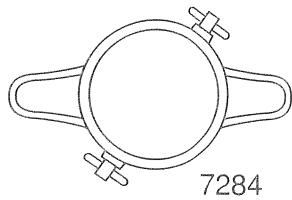
<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
6070	62094	Spring Washer	4
7244	67473	Round Nut	1
7245	37992	Lock Washer	1
7246	6525	Ball Bearing	1
7248	65231	Screw	4
7350	73547	Lip Seal Ring	1
7802	223412-21	Seal Ring	1
7803	528098-01	Seal Washer	1
7804	68827	Ball Bearing	1
7805	528100-92	Worm Wheel for 50 Hz Motor	1
7806	528100-93	Worm Wheel for 60 Hz Motor	1
7807	65170	Stop Ring	1
7808	64729	Pin	1
7809	74636	Worm Wheel Shaft w/Coupling drum	1
7834	528172-02	Bearing Shield	1

CLUTCH COUPLING



HH PN	ALFA PN	PART NAME	QUANTITY
7253	40040	Spring Washer	4-6
7264	70363	Nave	1
7265	70372	Holding Bracket	4
7267	73801	Screw	4
7268	8726	Ball Bearing	1
7269	38160	Spacing Sleeve	1
7270	7026	Ball Bearing	1
7271	8341	Screw	16
7272	70208	Pad w/Screws	4
7274	38159	Lock Washer	1
7275	67472	Round Nut	1
7276	38164	Packing	1
7277	71460	Coupling Disc	1
7279	72933	Screw	6
7280	60571	Elastic Plate	1
7800	518508-82	Friction block w/pad and screws for 50 Hz Motor	4
7801	70366	Friction block w/pad and screws for 60 Hz Motor	4

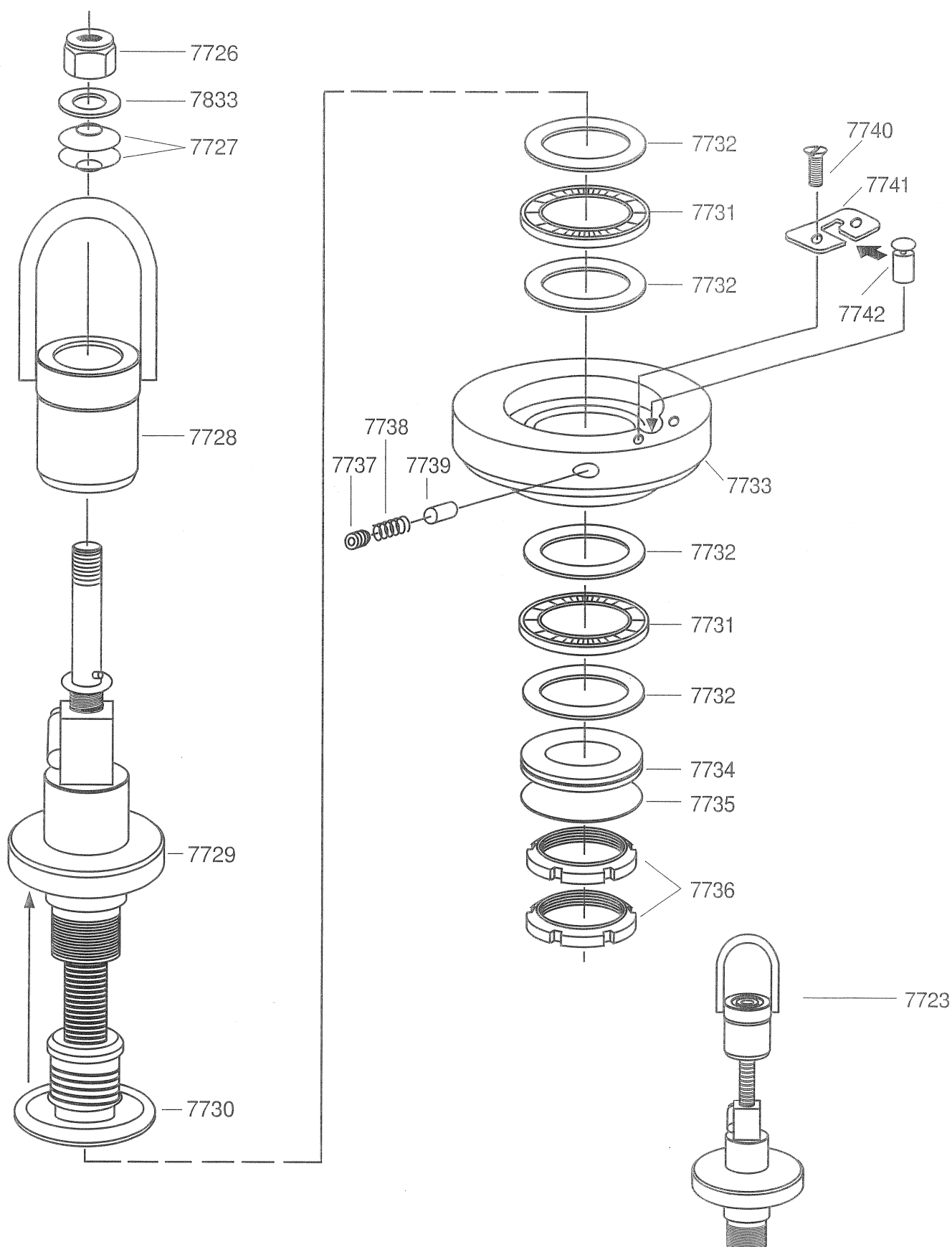
TOOLS



TOOLS

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7284	65368	Spanner for Small Lock Ring	1
7285	74783	Spanner for Large Lock Ring	1
7286	65380	Pin Spanner	1
7289	65374	Driving-On Sleeve for	
		Ball Bearings of Nave	1
7298	70844	Lifting Eye for Bowl Spindle	1
7300	72719	Pin Spanner for Round Nuts	1
7302	523249-80	Hub Extractor	1
7307	74780	Lifting Tool for Sliding Bowl Bottom	1
7308	516771-80	Spanner for Cap Nut, Cone Lifter	1
7313	69696	Hook Spanner for Round Nuts	1
7699	64324	Tin Mallet	1
7709	528514-80	Puller for Ball Bearing Housing	1
7713	65382	Lining-Up Tool for Motor	1
7722	532265-82	Lifting Tool for Bowl Body	1
7941	317646-80	Templet for Height Adj.	1
7944	540323-80	Distribution Cover Tool	1
8999	536847-02	Lifting Ring for Bowl Hood	1
9211	536803-80	Pressing & Lifting Tool	1

PRESSING AND LIFTING TOOL



PRESSING AND LIFTING TOOL

<u>HH PN</u>	<u>ALFA PN</u>	<u>PART NAME</u>	<u>QUANTITY</u>
7723	536803-81	Pressing & Lifting Tool Assembly	1
7726	221891-19	Lock Nut	1
7727	226314-27	Cup Spring	14
7728	530035-80	Yoke	1
7729	536843-80	Spindle w/Ball Nut and Thrust Washer	1
7730	535731-01	Seal Ring	1
7731	260189-01	Bearing	2
7732	260189-02	Washer	4
7733	535726-01	Thrust Washer	1
7734	535724-01	Washer	1
7735	223406-66	Seal Ring	1
7736	530028-01	Round Nut	2
7737	221581-12	Grub Screw	1
7738	226211-02	Spring	1
7739	64416	Cylindrical Pin	1
7740	221230-10	Screw	2
7741	530033-01	Lock Plate	1
7742	536791-01	Roller	1
7833	223101-55	Washer	1