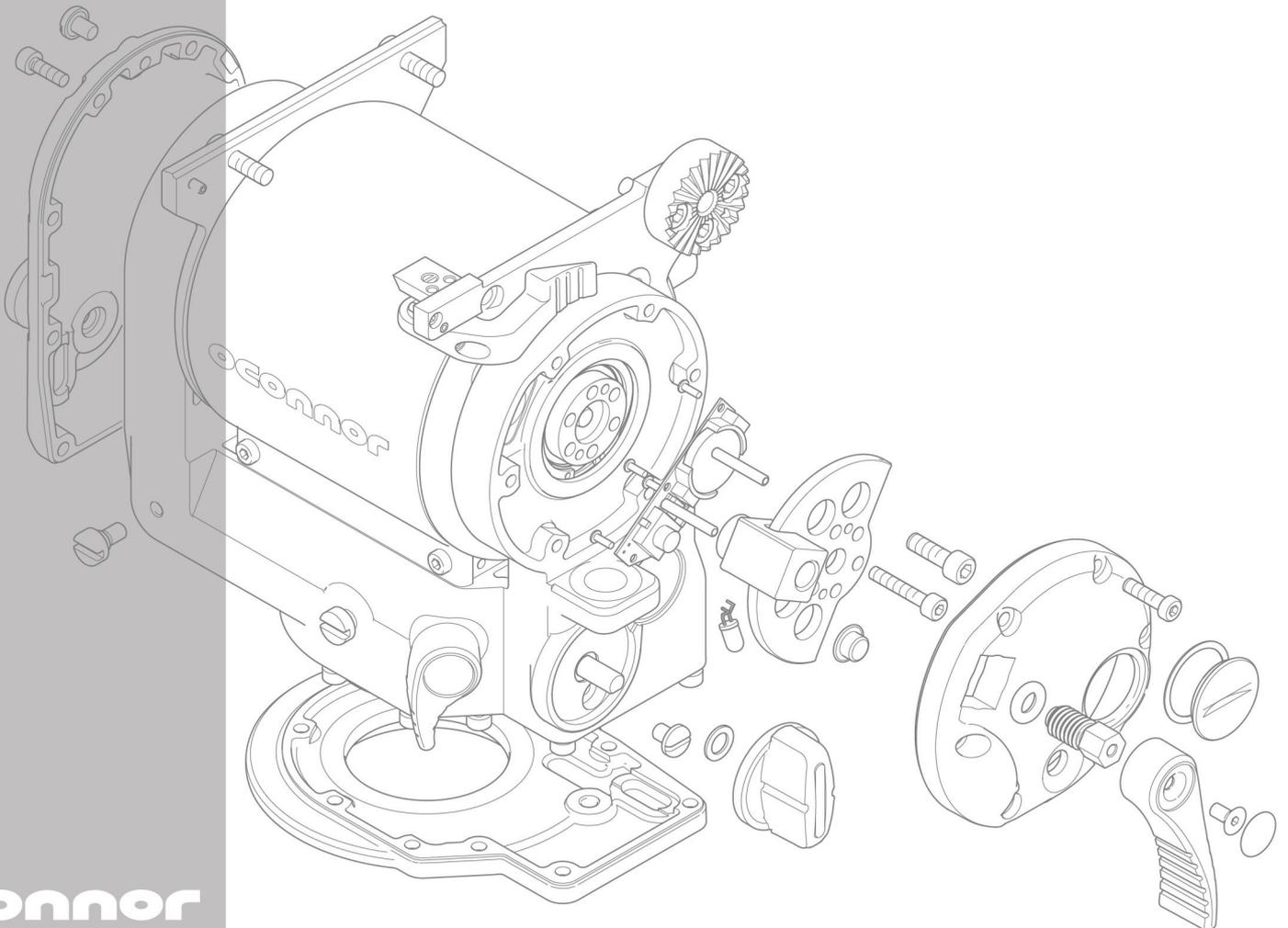


Illustrated Parts List

120EX Fluid Head C1225-0001



Original Instructions: English

Publication No. C1225-0001-800/1

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ILLUSTRATED PARTS LIST

About this book

Use this book to identify spare parts for the product. Always select the version of this book that corresponds to the serial number of the product.

The printed version of this book may not be the current version. Always check online for the latest version of this book.

Exploded drawings are used to identify individual parts. The number of each part on the drawing is referenced in the standard parts list as the Item Number. Torque settings and consumables are also shown on the drawing.



This book should not be used to disassemble, maintain or repair the product. Refer all servicing to qualified and trained service engineers.

Individual parts that are only available in a Spares kit are identified in the Standard Parts List as **not sold separately** (NSS).

About spare parts

IMPORTANT NOTE:



Some individual parts are often only available in spares kits and may not be for individual sale.

All parts are shown on the exploded drawings with an item number that is referenced in the accompanying standard parts list. Not all parts are available individually as spares parts and some parts are only available in kits. Refer to the Spares Kits section of this book for all spares kits available for this product.

Always quote the individual part number or the number of the spares kit when ordering spare parts. Do not use the item number shown on the exploded drawing and referenced in the accompanying standard parts list.

Consumables

Consumables are not available for sale and must be sourced locally due to restrictions on the transportation of these substances.

Consumables used in the assembly of the product are shown on the illustrations next to the part requiring the adhesive or lubricant. Consumables are listed in the standard parts list with the part number **CON**.

NOTE:

Vinten fluid is available from your local Service Centre.

Product enhancements

Product enhancements that affect a part used in the production of the product are released on Electronic Change Notifications (ECNs). Enhancements requiring a change to a part that affects the product from a certain serial number onward are listed in the Design Improvements section of this book.

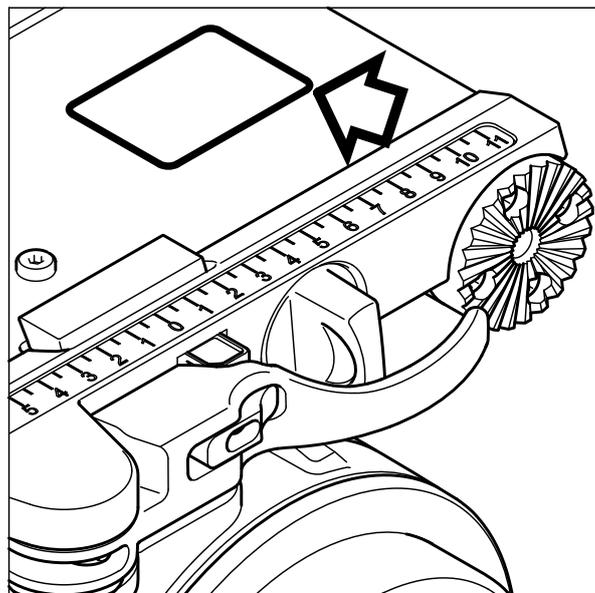
Explanatory notes

Product changes to spares kits and standard parts used for a period of time and then discontinued or changed due to product enhancements, are indicated by a commencing/finishing product serial number, for example: 0000/0999, 1000/1500.

Parts still used in the current production of the product are indicated by the commencing serial number followed by an oblique stroke and dash: 0000/-, 0999/-, 1500/-.

Serial number locator

Always check the serial number of your product before ordering spare parts. The serial number plate is located as shown.



ILLUSTRATED PARTS LIST

Document History

Issue	Details/Changes	Page/s	Issue Date
1	Initial release		2012-08-13

Design Improvements

Part Affected	ECN Class 1	Details	Date	From Serial No.
			--	

ILLUSTRATED PARTS LIST

Abbreviations

Abbreviation	Meaning
A	Ampere
A/R	as required
assy	assembly
csk	countersunk
c/w	complete with
dia.	diameter
ft	foot
Hex	hexagon
ID	inside diameter
in.	inch
kg	kilogram
lb	pound
LH	left hand
mm	millimetres
No.	number
PCD	pitch circle diameter
PCS	piece
NI	Not illustrated
NSS	Not sold separately
rad	radius
REQD	required
RH	right hand
st. st.	stainless steel
STD	standard
TOL	Tolerance

Contents

120EX Configured Assembly	4
120EX General Assembly	6
120EX General Assembly (continued)	8
120EX General Assembly (continued)	10
120EX General Assembly (continued)	12
Brake Cover Assembly	14
Platform Assembly	16

Symbols

Lubricant



Adhesive



Torque setting



Spares kit available to end users.



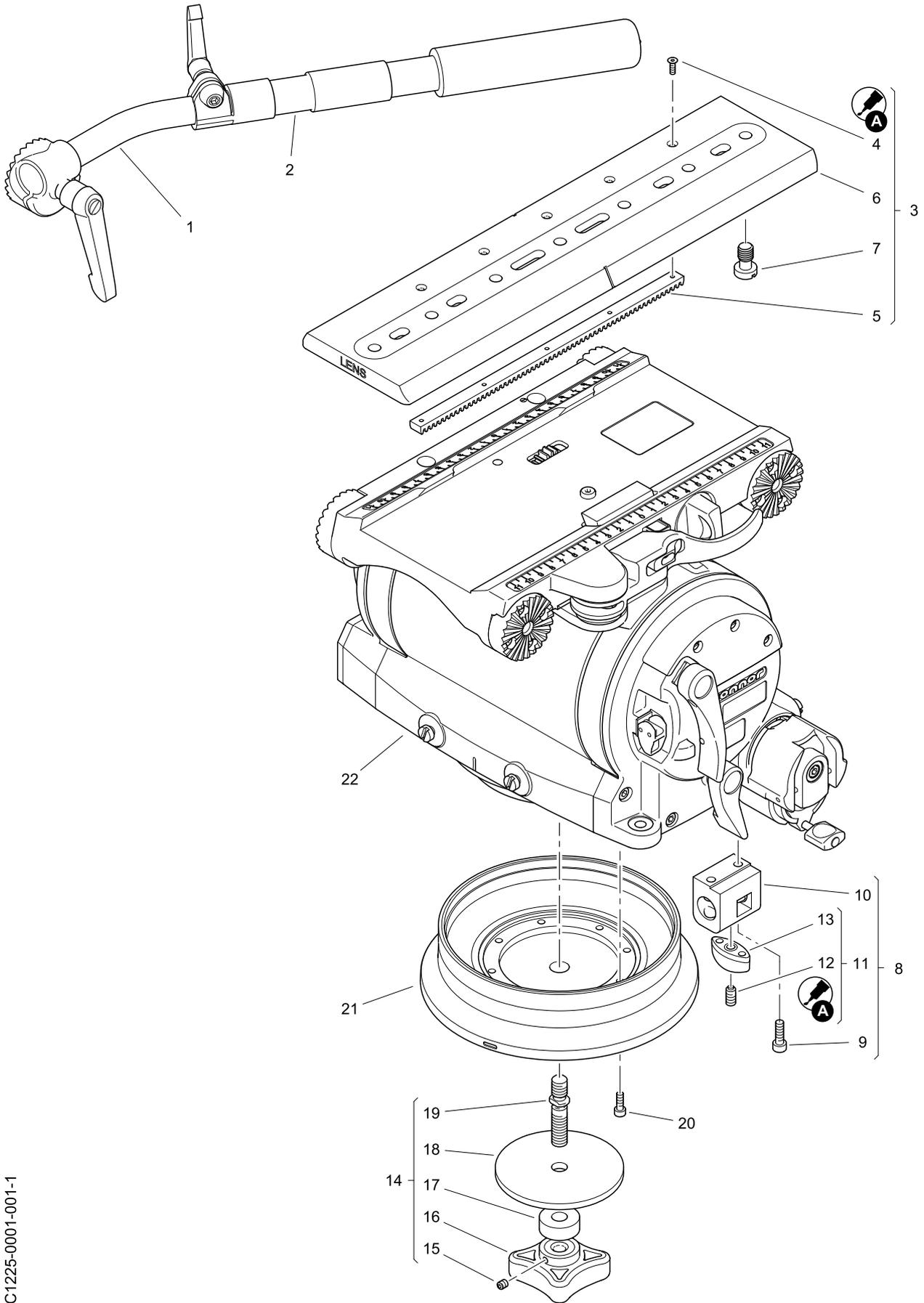
Fitting instructions available.



Spares kit only available to Service Centres.

Standard Parts List

Fig 1.0 120EX Configured Assembly



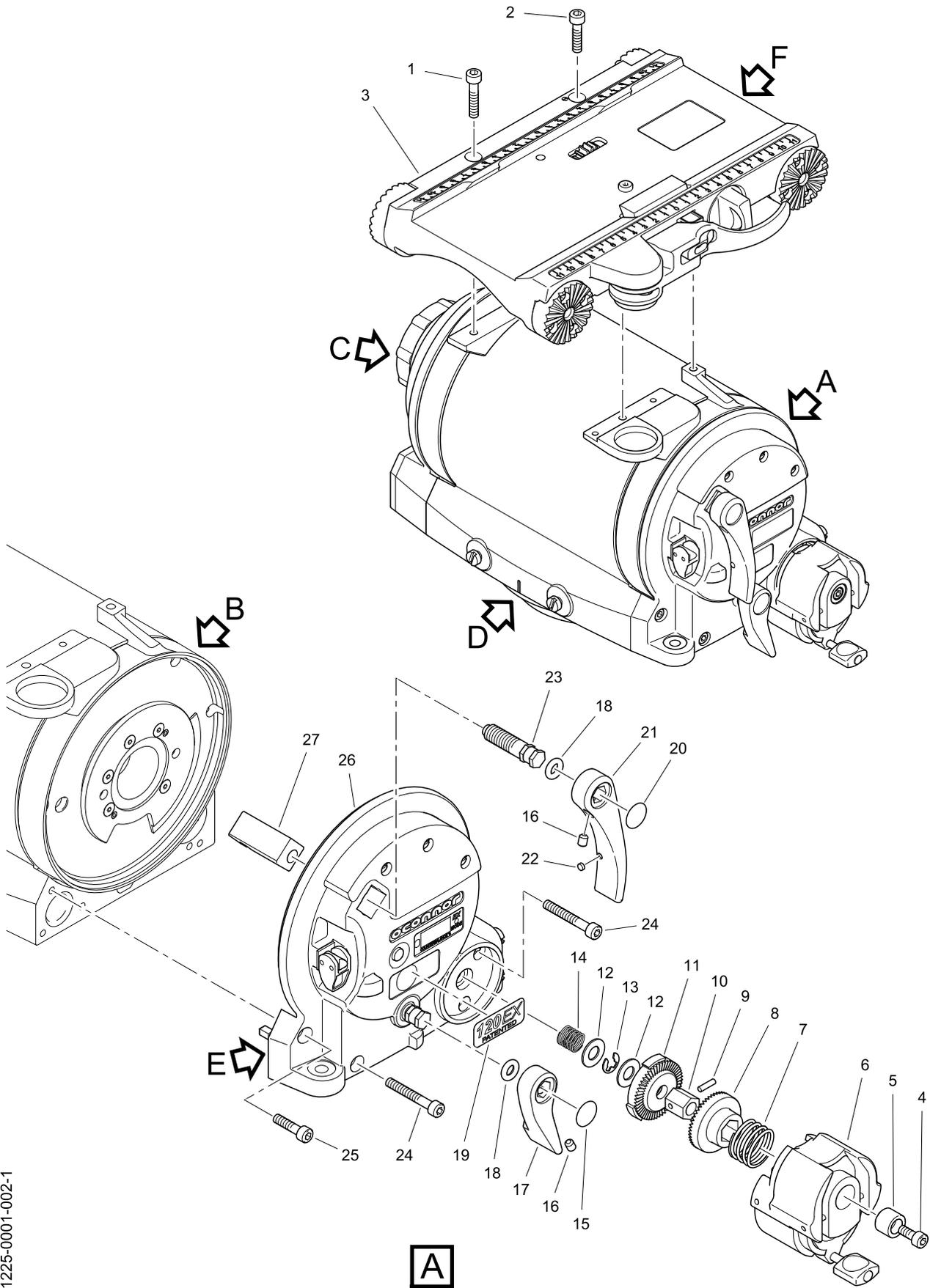
C:1225-0001-001-1

Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
120EX Configured Assembly							
Fig 1.0							
1	2575-135	Extension handle assembly, European		00000/-		1	PCS
2	2575-137	Handle assembly, European		00000/-		1	PCS
3	C1225-1007	Platform plate assembly		00000/-		1	PCS
4	M004-916	Screw, countersunk head, socket	M3 x 10 mm long, stainless steel	00000/-		5	PCS
NI	CON	Adhesive, screw locking	Loctite 222	00000/-			PCS
5	C1225-2019	Plate gear rack		00000/-		1	PCS
6	C1225-2009	Platform plate		00000/-		1	PCS
7	08469	Screw, tiedown, heavy duty		00000/-		1	PCS
8	C1225-1021	Undermount eyepiece leveler assembly		00000/-		1	PCS
9	91-050016-4310	Screw, cap head	M5 x 16 mm long	00000/-		2	PCS
10	C1225-2102	Undermount eyepiece leveler bracket		00000/-		1	PCS
11	C1225-1022	Screw assembly, eyepiece leveler		00000/-		1	PCS
12	M007-828	Screw, grub, flat point, socket head	M6 x 12mm long, with technopolymer tip insert	00000/-		1	PCS
NI	CON	Adhesive, retainer, high strength	Loctite 638	00000/-			PCS
13	C1225-2103	Knob	Winged, 11 mm high x 32 mm overall dia., M6 female brass threaded insert, black, modified K403-004	00000/-		1	PCS
14	08402	Tiedown assembly, Mitchell, plastic knob		00000/-		1	PCS
15	00422	Screw, socket set, cup point	10-32 x 1/4 in. long	00000/-		1	PCS
16	08394	Star knob, Mitchell		00000/-		1	PCS
17	08401	Spacer, Mitchell		00000/-		1	PCS
18	00822	Washer, Mitchell		00000/-		1	PCS
19	00807	Tiedown stud		00000/-		1	PCS
20	M005-718	Screw, cap head, socket	M4 x 12 mm long	00000/-		8	PCS
21	C1225-1011	Mitchell base assembly		00000/-		1	PCS
22	C1225-1000	120EX general assembly		00000/-		1	PCS
NI	C1225-4980	User guide, 120EXE fluid head		00000/-		1	PCS

Standard Parts List

Fig 2.0 120EX General Assembly



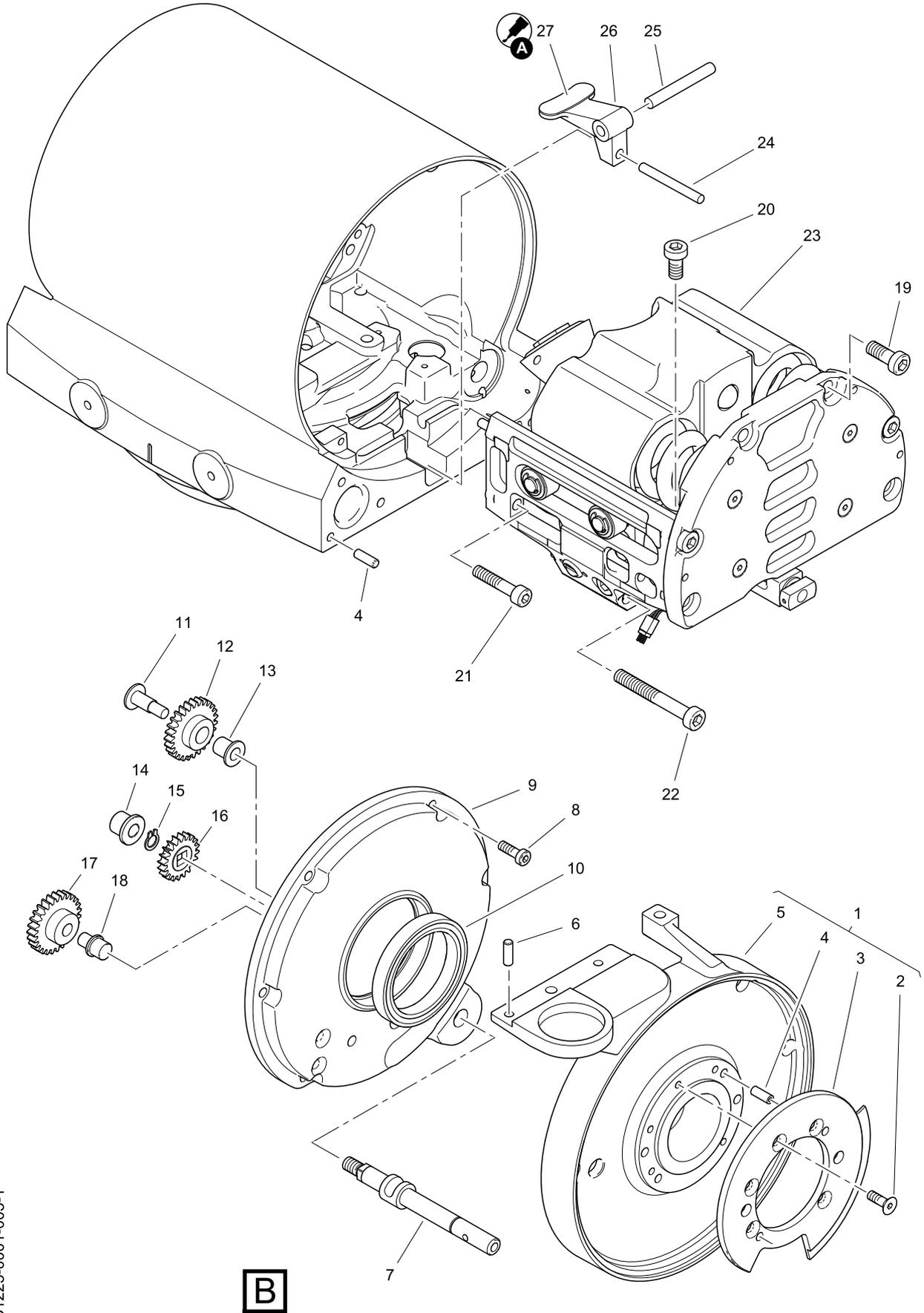
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A

Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
120EX General Assembly							
Fig 2.0							
1	M007-743	Screw, cap head, socket	M6 x 30 mm long	00000/-		2	PCS
2	91-060025-4310	Screw, socket cap head	M6 x 25 mm long, stainless steel	00000/-		1	PCS
3	C1225-1004	Platform assembly		00000/-		1	PCS
4	91-050012-4310	Screw, socket cap head	M5 x 12 mm long, stainless steel	00000/-		2	PCS
5	C1225-2081	Beauty ring, counter-balance knob		00000/-		1	PCS
6	C1225-1018	Crank, counterbalance adjust knob		00000/-		1	PCS
7	K532-015	Spring, compression	19.05 mm F.L.	00000/-		1	PCS
8	3803-385	Balance knob clutch, moving		00000/-		1	PCS
9	M801-059	Dowel pin	3 mm dia. x 12 mm long	00000/-		1	PCS
10	3803-386	Balance knob shaft extension		00000/-		1	PCS
11	3803-384	Balance knob clutch, stationary		00000/-		1	PCS
12	M600-106	Washer, plain, light	M8	00000/-		2	PCS
13	M701-018	E-clip, standard	D1500-6	00000/-		1	PCS
14	00631	Spring	0.4688 in. OD x 0.75 in. long	00000/-		1	PCS
15	08947	Pan lock label		00000/-		1	PCS
16	04455	Screw, hex socket set, cup point	10-32 x 1/4 in., stainless steel, Nylock patch	00000/-		2	PCS
17	C1225-2074	Pan lock lever, machined		00000/-		1	PCS
18	02949	O-ring	1/2 in. x 1/4 in.	00000/-		2	PCS
19	C1225-2090	Label, 1020EX		00000/-		1	PCS
20	1030-123	Label, tilt lock		00000/-		1	PCS
21	50200-124	Tilt lock lever, machined		00000/-		1	PCS
22	08432	Bump stop		00000/-		1	PCS
23	C1225-2069	Screw, tilt lock		00000/-		1	PCS
24	M006-741	Screw, cap head, socket	M5 x 35 mm long	00000/-		3	PCS
25	M006-742	Screw, cap head, socket	M5 x 20 mm long	00000/-		1	PCS
26	C1225-1012	Brake cover assembly		00000/-		1	PCS
27	C1225-2068	Tilt lock block		00000/-		1	PCS

Fig 2.1 120EX General Assembly (continued)

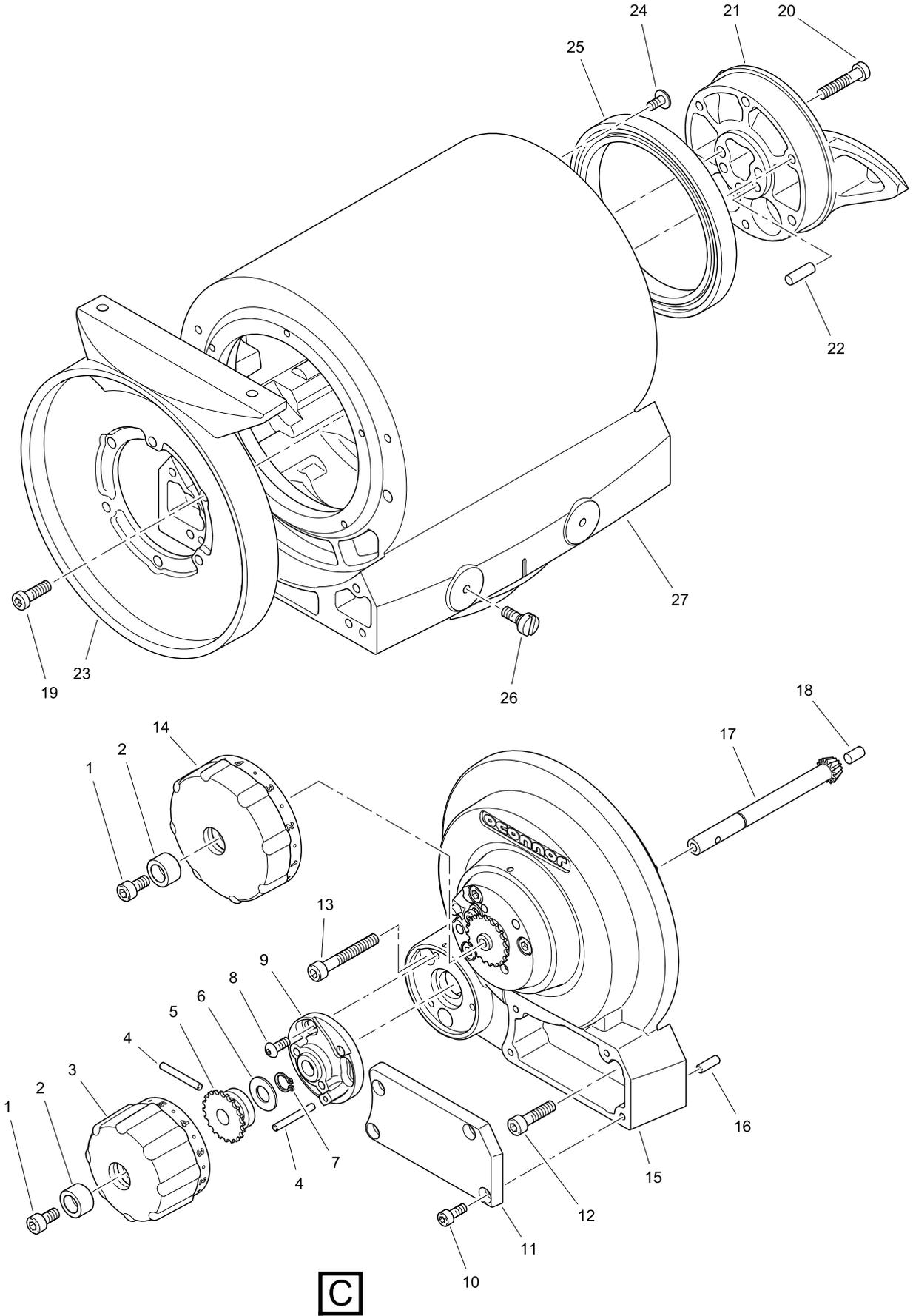


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Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
120EX General Assembly (continued)							
Fig 2.1							
1	C1225-1017	Tilt plate assembly, LH		00000/-		1	PCS
2	M005-903	Screw, countersunk head, socket	M4 x 12 mm long	00000/-		5	PCS
3	C1225-2071	Tilt brake disc		00000/-		1	PCS
4	M806-004	Pin, coiled-spring	4 mm dia. x 10 mm long	00000/-		2	PCS
5	C1225-2051	Tilt plate LH, machined		00000/-		1	PCS
6	M801-004	Dowel pin	4 mm dia. x 12 mm long	00000/-		4	PCS
7	3803-362	Balance adjust drive shaft		00000/-		1	PCS
8	M005-735	Screw, low-profile, cap head, socket	M4 x 12 mm long	00000/-		5	PCS
9	C1225-2066	End cap, LHs		00000/-		1	PCS
10	P200-257	Bearing, ball, radial	40 mm ID x 52 mm OD x 7 mm long	00000/-		1	PCS
11	3803-297	Idler gear shaft		00000/-		1	PCS
12	3803-400	Idler, balance gear train		00000/-		1	PCS
13	P003-005	Bearing, flanged	6 mm ID x 8 mm OD X 10 mm long	00000/-		1	PCS
14	P002-026	Bearing, plain flanged, oilite	6mm ID x 10mm OD x 10mm long	00000/-		1	PCS
15	M701-032	Circlip, external, standard	1400-6mm	00000/-		1	PCS
16	3803-361	Balance adjust drive gear		00000/-		1	PCS
17	3803-345	Balance adjust driven gear	27T	00000/-		1	PCS
18	3803-355	Balance adjust support shaft		00000/-		1	PCS
19	M007-729	Screw, low-profile, cap head, socket	M6 x 16 mm long	00000/-		4	PCS
20	M007-740	Screw, low-profile, cap head, socket	M6 x 12 mm long	00000/-		2	PCS
21	M006-706	Screw, cap head, socket	M5 x 25 mm long	00000/-		2	PCS
22	M007-735	Screw, low-profile, cap head, socket	M6 x 45 mm long	00000/-		2	PCS
23	C1225-1024	Balance mechanism assembly		00000/-		1	PCS
24	C1225-2078	Push rod		00000/-		1	PCS
25	M801-023	Dowel pin	5 mm dia. x 40 mm long	00000/-		1	PCS
26	C1225-1016	Pan brake lever/pad assembly		00000/-		1	PCS
27	3803-334	Brake pad		00000/-		1	PCS
NI	CON	Adhesive, instant bond	Loctite 480 Prism	00000/-			PCS

Fig 2.2 120EX General Assembly (continued)

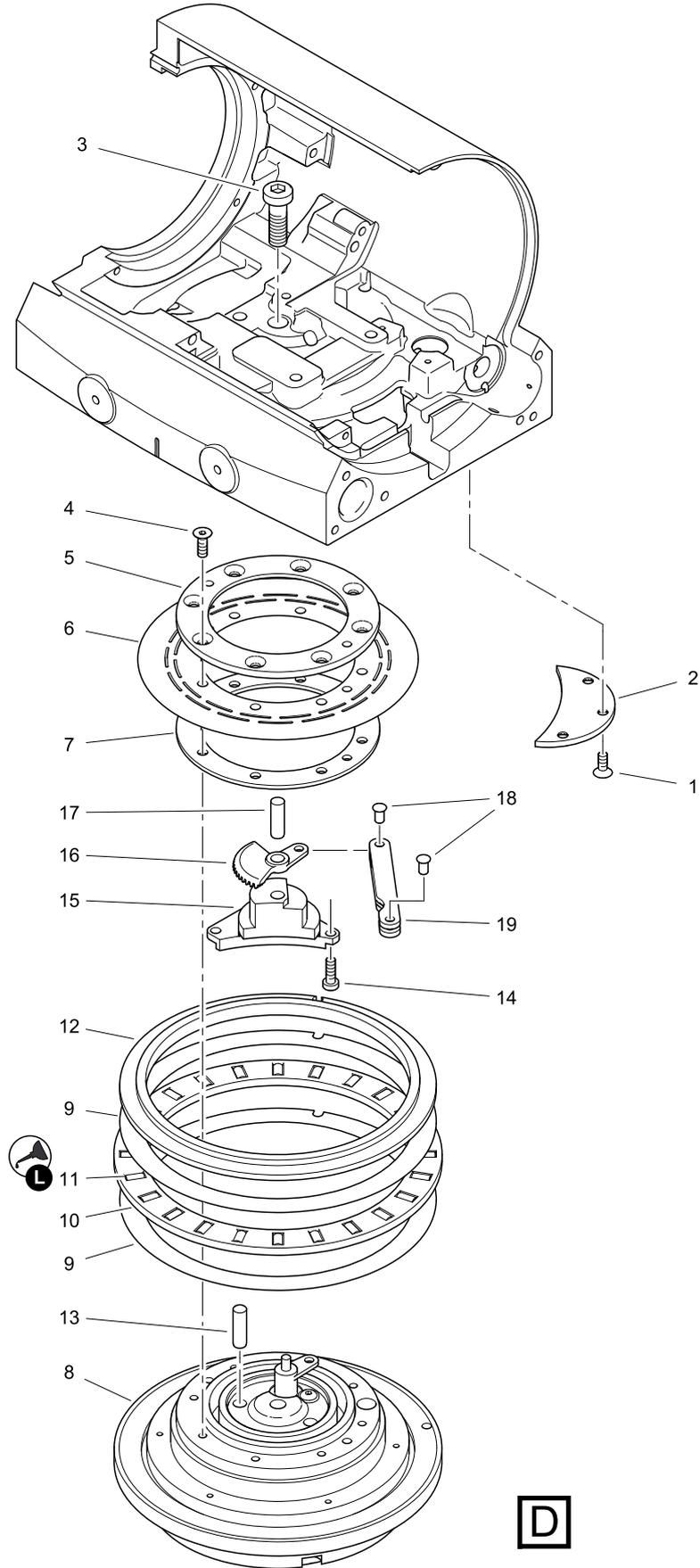


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Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
120EX General Assembly (continued)							
Fig 2.2							
1	M006-743	Screw, cap head, socket	M5 x 10 mm long	00000/-		2	PCS
2	C1225-2065	Beauty ring		00000/-		2	PCS
3	C1225-2061	Pan drag knob		00000/-		1	PCS
4	L801-107	Dowel pin	1/8 in. dia. x 1 in. long	00000/-		2	PCS
5	3448-249	Serrated boss, pan drag knob		00000/-		1	PCS
6	M600-106	Washer, plain, light	M8	00000/-		1	PCS
7	M701-005	Circlip, external, standard	1400-8mm	00000/-		1	PCS
8	M005-502	Screw, button head, socket	M4 x 10 mm long	00000/-		3	PCS
9	3803-364	Location disk, pan drag knob		00000/-		1	PCS
10	M005-743	Screw, cap head, socket	M4 x 10 mm long	00000/-		4	PCS
11	C1225-2049	Access cover, machined		00000/-		1	PCS
12	M006-742	Screw, cap head, socket	M5 x 20 mm long	00000/-		2	PCS
13	M006-741	Screw, cap head, socket	M5 x 35 mm long	00000/-		2	PCS
14	C1225-2059	Tilt drag knob		00000/-		1	PCS
15	C1225-1013	Tilt drag unit assembly		00000/-		1	PCS
16	M801-004	Dowel pin	4 mm dia. x 12 mm long	00000/-		2	PCS
17	3803-399	Pan drag adjustment shaft		00000/-		1	PCS
18	M801-019	Dowel pin	5 mm dia. x 10 mm long	00000/-		1	PCS
19	M006-736	Screw, low-profile, cap head, socket	M5 x 16 mm long	00000/-		3	PCS
20	M006-738	Screw, low-profile, cap head, socket	M5 x 25 mm long	00000/-		3	PCS
21	3803-402	Balance cam, machining		00000/-		1	PCS
22	M801-036	Dowel pin	5 mm dia. x 16 mm long	00000/-		2	PCS
23	C1225-2054	Tilt plate RH, machined		00000/-		1	PCS
24	M005-401	Screw, flanged, button head, socket	M4 x 8 mm long	00000/-		5	PCS
25	P200-108	Bearing, ball, radial	80 mm ID x 100 mm OD x 10 mm long	00000/-		1	PCS
26	08272	Screw, shoulder	10-24	00000/-		2	PCS
27	C1225-2085	Mitchell base, machined		00000/-		1	PCS

Fig 2.3 120EX General Assembly (continued)



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Standard Parts List

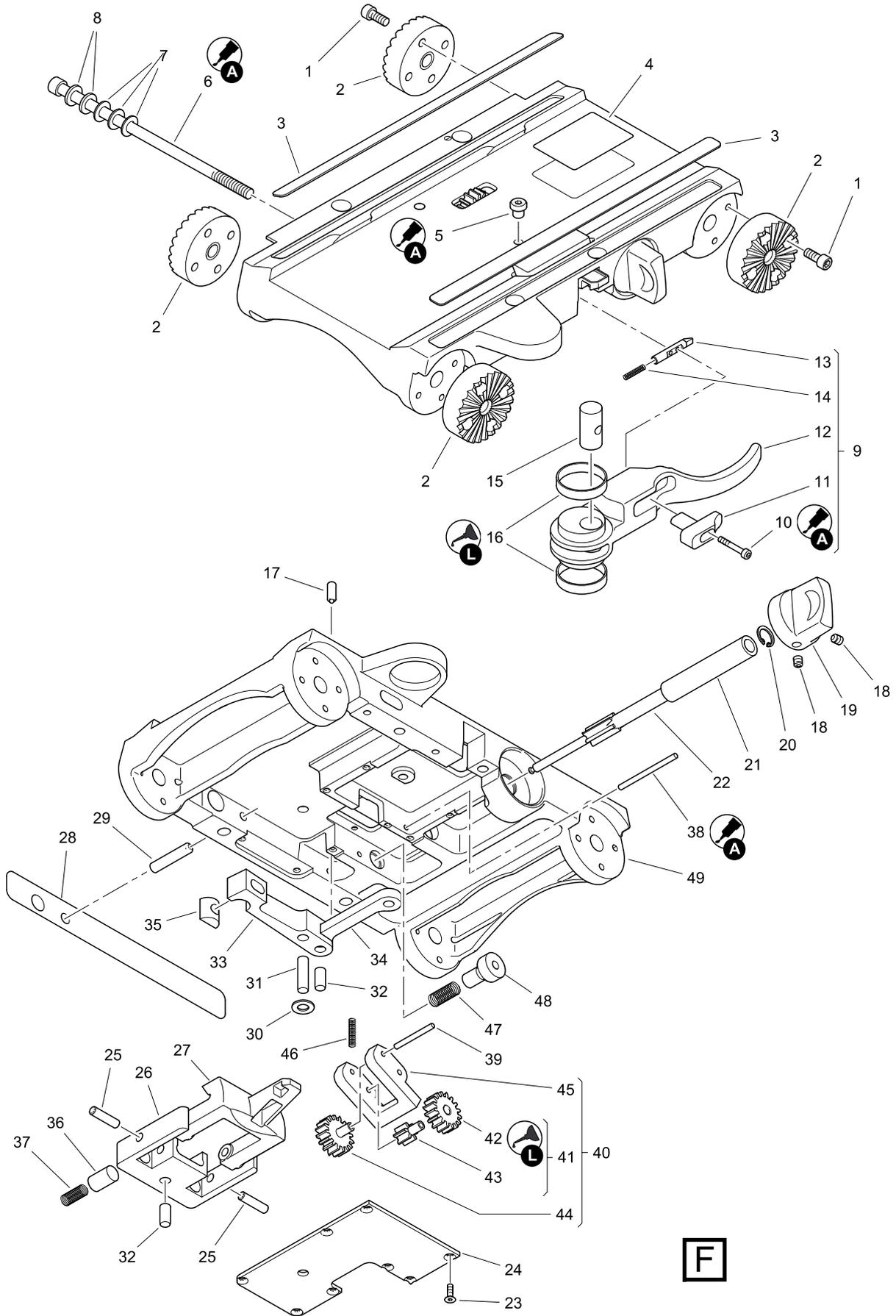
Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
120EX General Assembly (continued)							
Fig 2.3							
1	M005-103	Screw, countersunk head, Pozidrive	M4 x 10 mm long	00000/-		3	PCS
2	3803-312	Cover, pan encoder gear		00000/-		1	PCS
3	M008-719	Screw, low-profile, cap head, socket	M8 x 25 mm long	00000/-		1	PCS
4	M005-917	Screw, countersunk head, socket	M4 x 12 mm long	00000/-		8	PCS
5	3803-237	Clamp ring, pan brake disc		00000/-		1	PCS
6	3803-234	Pan brake disc		00000/-		1	PCS
7	3803-275	Spacer, pan encoder gear		00000/-		1	PCS
8	3803-12	Pan drag unit assembly		00000/-		1	PCS
9	3803-242	Lower race, pan bearing		00000/-		2	PCS
10	3803-220	Pan bearing cage		00000/-		1	PCS
11	P600-015	Roller, cylindrical	5 mm Dia. x 8 mm long	00000/-		24	PCS
NI	CON	Lubricant, grease	Gleitmo 800	00000/-			PCS
12	3803-243	Upper race, pan bearing		00000/-		1	PCS
13	M801-025	Dowel pin, extractable	6 mm dia. x 20 mm long	00000/-		2	PCS
14	M005-735	Screw, low-profile, cap head, socket	M4 x 12 mm long	00000/-		3	PCS
15	3803-343	Gear mounting block, inverted gear		00000/-		1	PCS
16	3803-340	Driven bevel gear, inverted	49T	00000/-		1	PCS
17	M801-021	Dowel pin	6 mm dia. x 20 mm long	00000/-		1	PCS
18	3803-282	Pan drag adjustment pin		00000/-		2	PCS
19	3803-342	Adjustment link, inverted gear		00000/-		1	PCS

Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
Brake Cover Assembly							
Fig 3.0							
1	91-040020-2110	Screw, cheese head, slotted	M4 x 20 mm long, stainless steel	00000/-		3	PCS
2	C1225-2089	Battery cover hand rest		00000/-		1	PCS
3	C550-026	Battery	9V, PP3, must be of 'lithium' type	00000/-		1	PCS
4	1030-242	Screw, shoulder	10-24	00000/-		2	PCS
5	C1225-2080	Pan brake shaft		00000/-		1	PCS
6	C1225-2079	Insert		00000/-		1	PCS
7	09177	Bubble level	Empire #360	00000/-		1	PCS
NI	CON	Adhesive, instant bond	Loctite 480 Prism	00000/-			PCS
8	C1225-1014	Pivot arm assembly		00000/-		1	PCS
9	M801-020	Dowel pin	5 mm dia. x 12 mm long	00000/-		1	PCS
NI	NSS	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-			PCS
10	C1225-2076	Pan lock link		00000/-		1	PCS
11	C1225-2075	Pivot block		00000/-		1	PCS
12	05012	Roll pin	3/32 dia. x 1/2 in. long	00000/-		1	PCS
13	2060-040	Lever, lock pin		00000/-		1	PCS
14	08954	Lock pin out label		00000/-		1	PCS
15	08955	Lock pin in label		00000/-		1	PCS
16	2060-039	Pad, lock pin		00000/-		1	PCS
17	C1225-2072	Lock pin		00000/-		1	PCS
NI	NSS	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-		1	PCS
18	00692	Spring		00000/-		1	PCS
19	M004-717	Screw, cap head, socket	M3 x 8 mm long	00000/-		3	PCS
20	C1225-1015	PCB assembly		00000/-		1	PCS
21	C1225-2093	PCB enclosure, lower		00000/-		1	PCS
22	C1225-2091	PCB		00000/-		1	PCS
23	C1225-2092	PCB enclosure, upper		00000/-		1	PCS
24	C1225-2095	LED label		00000/-		1	PCS
25	08952	Logo nameplate		00000/-		1	PCS
NI	CON	Adhesive, retainer, high strength	Loctite 638	00000/-			PCS
26	C1225-2047	Level light switch cover		00000/-		1	PCS
27	C1225-2058	Brake end cover, machined		00000/-		1	PCS

Standard Parts List

Fig 4.0 Platform Assembly



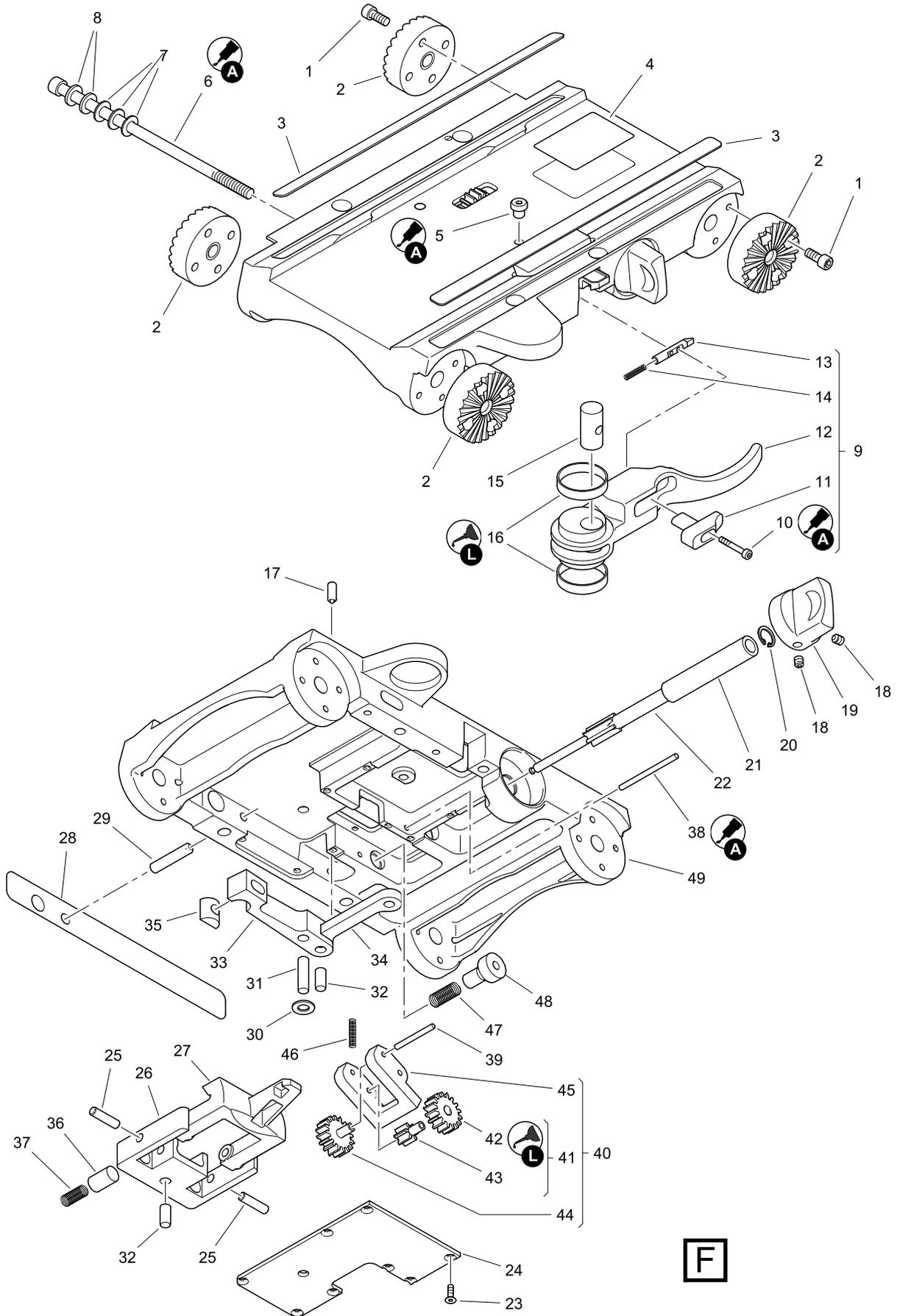
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Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
Platform Assembly							
Fig 4.0							
1	04421	Screw, spc head countersunk	10-24 x 1/2 in. long, stainless steel	00000/-		16	PCS
2	2575-040	Platform handle spline assembly		00000/-		4	PCS
3	C1225-2030	Platform scale label		00000/-		2	PCS
4	C1225-2097	Platform label		00000/-		1	PCS
5	04427	Screw, hex socket low head countersunk	1/4-20 x 1/4 in. long, stainless steel	00000/-		1	PCS
NI	NSS	Adhesive, high strength	Loctite 271, high strength	00000/-			PCS
6	L076-928	Screw, cap head, socket	1/4-28UNF x 6 in. long, plain	00000/-		1	PCS
NI	CON	Adhesive, screw locking	Loctite 222	00000/-			PCS
7	00695	Spring		00000/-		3	PCS
8	M600-007	Washer, plain, heavy	M6	00000/-		2	PCS
9	C1225-1006	Platform release lever assembly		00000/-		1	PCS
10	M004-722	Screw, cap head, socket	M3 x 20 mm long, stainless steel	00000/-		2	PCS
NI	CON	Adhesive, screw locking	Loctite 222	00000/-			PCS
11	C1225-2023	Platform release lever button		00000/-		1	PCS
12	C1225-2018	Platform release lever, machined		00000/-		1	PCS
13	C1225-2024	Slide pin		00000/-		1	PCS
14	00653	Spring	0.125 in. OD x 0.75 in. long	00000/-		1	PCS
15	C1225-2021	Platform release lever nut		00000/-		1	PCS
16	C1225-2027	Lever bushing		00000/-		2	PCS
NI	NSS	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-			PCS
17	04310	Plunger, stubby	10-32, with Nylock, Reidtool K2-N	00000/-		1	PCS
18	04455	Screw, hex socket set, cup point	10-32 x 1/4 in., stainless steel, Nylock patch	00000/-		2	PCS
19	C1225-2029	Platform adjust knob, machined		00000/-		1	PCS
20	00360	Snap ring, internal	#N5000-50 Truarc	00000/-		1	PCS
21	C1225-2005	Drive gear bearing		00000/-		1	PCS
22	C1225-2006	Drive gear		00000/-		1	PCS
23	M004-912	Screw, countersunk head, socket	M3 x 10 mm long	00000/-		8	PCS
24	C1225-2008	Bottom cover plate		00000/-		1	PCS
25	M801-015	Dowel pin	5 mm dia. x 20 mm long	00000/-		2	PCS
26	C1225-2012	Platform shuttle		00000/-		1	PCS
27	C1225-2026	Hook, machined		00000/-		1	PCS
28	C1225-2022	Platform side label		00000/-		1	PCS
29	D091306301	Threaded Pin	M6 x 30 mm long	00000/-		1	PCS
30	00460	Washer, brass	0.255 in. ID x 0.497 in. OD x 0.040 in. thick	00000/-		1	PCS
31	C1225-2031	Platform axis pin		00000/-		1	PCS
32	M801-032	Dowel pin	6 mm dia. x 14 mm long	00000/-		2	PCS
33	C1225-2014	Platform adjust beam		00000/-		1	PCS
34	C1225-2013	Platform link		00000/-		1	PCS
35	C1225-2015	Platform bolt slip joint		00000/-		1	PCS

Standard Parts List



C-1225-0001-007-1



Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
36	C1225-2011	Hook spring follower		00000/-		2	PCS
37	06008	Spring, compression	0.250 in. OD x 0.94 in. long, stainless steel	00000/-		2	PCS
38	M801-069	Dowel pin	3 mm dia. x 45 mm long	00000/-		1	PCS
NI	CON	Adhesive, screw locking	Loctite 222	00000/-			PCS
39	M801-027	Dowel pin	3 mm dia. x 30 mm long	00000/-		1	PCS
40	C1225-1003	Reduction gear sub assembly		00000/-		1	PCS
41	C1225-1002	Compound gear assembly		00000/-		1	PCS
42	C1225-2004	Gear, large		00000/-		1	PCS
NI	NSS	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-			PCS
43	C1225-2003	Gear, small		00000/-		1	PCS
44	C1225-2016	Platform adjust gear		00000/-		1	PCS
45	C1225-2007	Platform gear support		00000/-		1	PCS
46	06009	Spring, compression	0.125 in. OD x 1.090 in. long, stainless steel	00000/-		1	PCS
47	06007	Spring, compression	0.300 in. OD x 1.500 in., stainless steel	00000/-		1	PCS
48	C1225-2010	Drive gear ramp		00000/-		1	PCS
49	C1225-2002	Platform sub base, machined		00000/-		1	PCS

Spares Kit List

Kit No.	Kit/Part Name	Technical Data	Serial No.	Qty	Unit
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Comprising:

Spares Kit List

Kit No.	Kit/Part Name	Technical Data	Serial No.	Qty	Unit
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120EX Fluid Head

C1225-0001

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