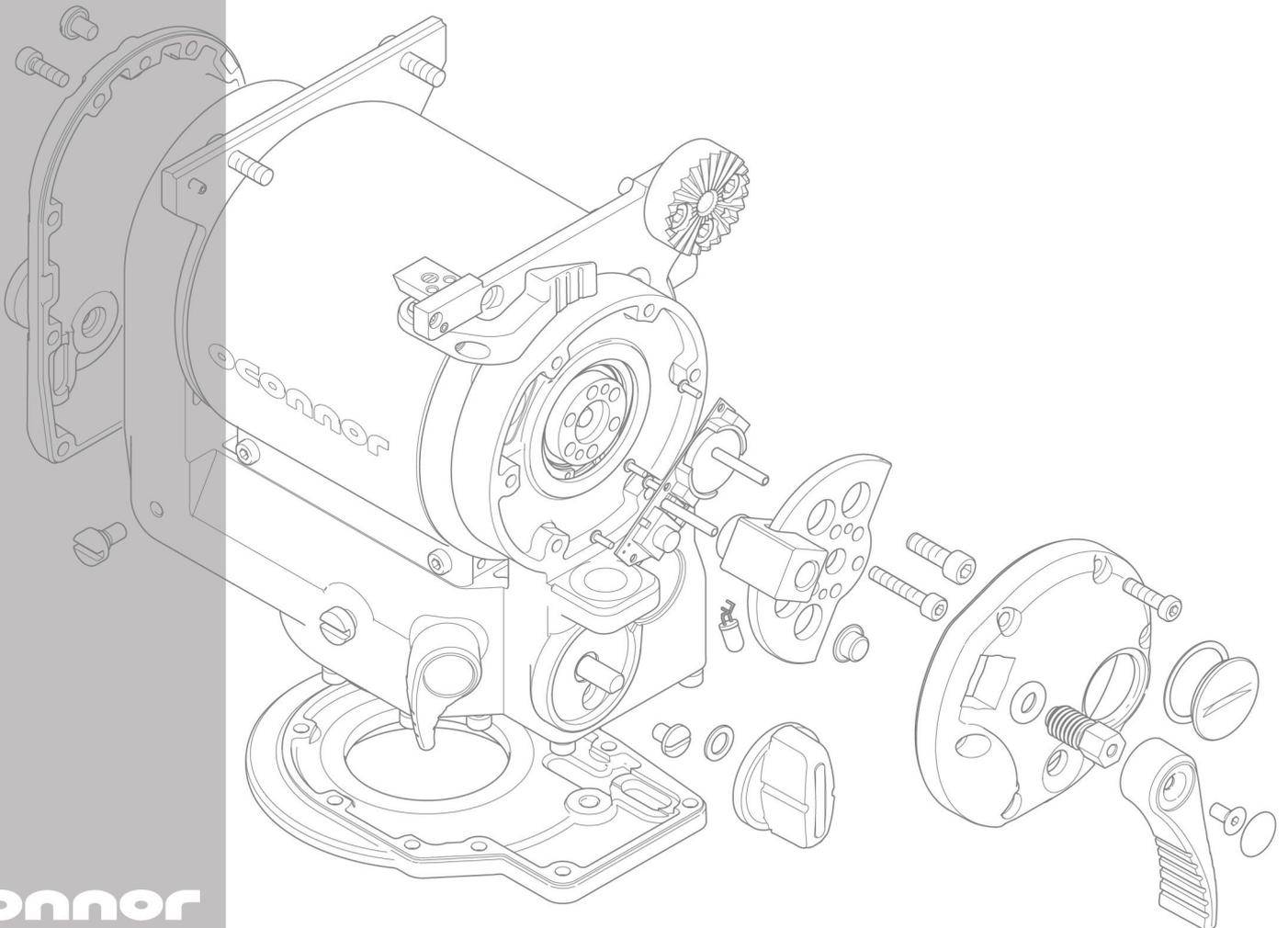


# Illustrated Parts List

## 1030Ds Fluid Head C1239-0001



**Original Instructions:** English

**Publication No.** C1239-0001-800/1

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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**.

## 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.

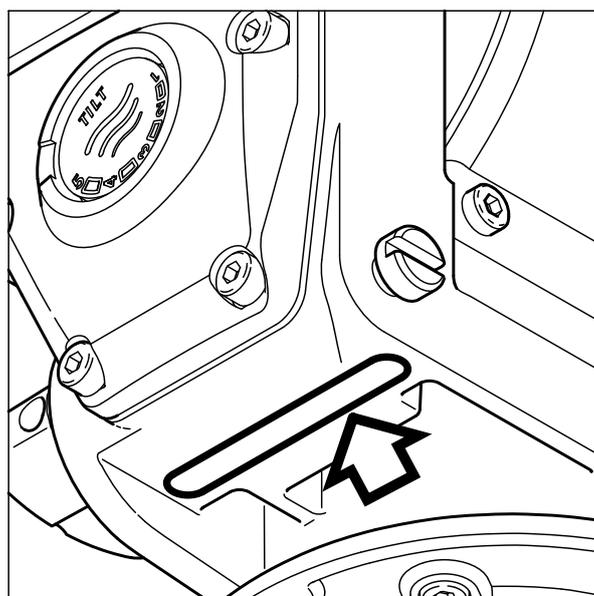
## Explanatory notes

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		2012-08-09

## 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

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Pan Cover End .....	12
Main Body .....	14
Counter Balance Adjustment .....	16

**Symbols**

Lubricant



Adhesive



Torque setting



Spares kit available to end users.

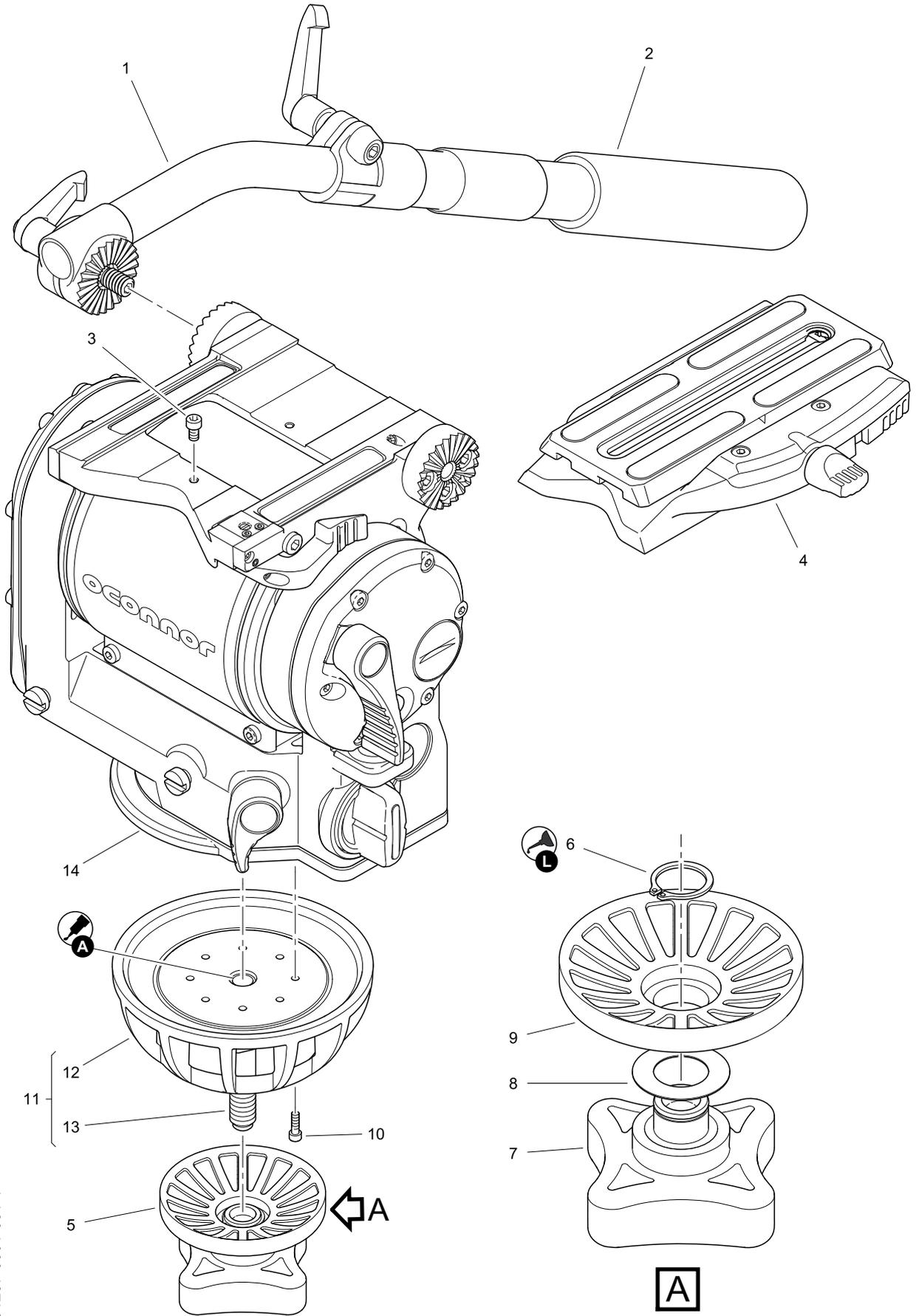


Fitting instructions available.



Spares kit only available to Service Centres.

Fig 1.0 1030Ds Configured Assembly

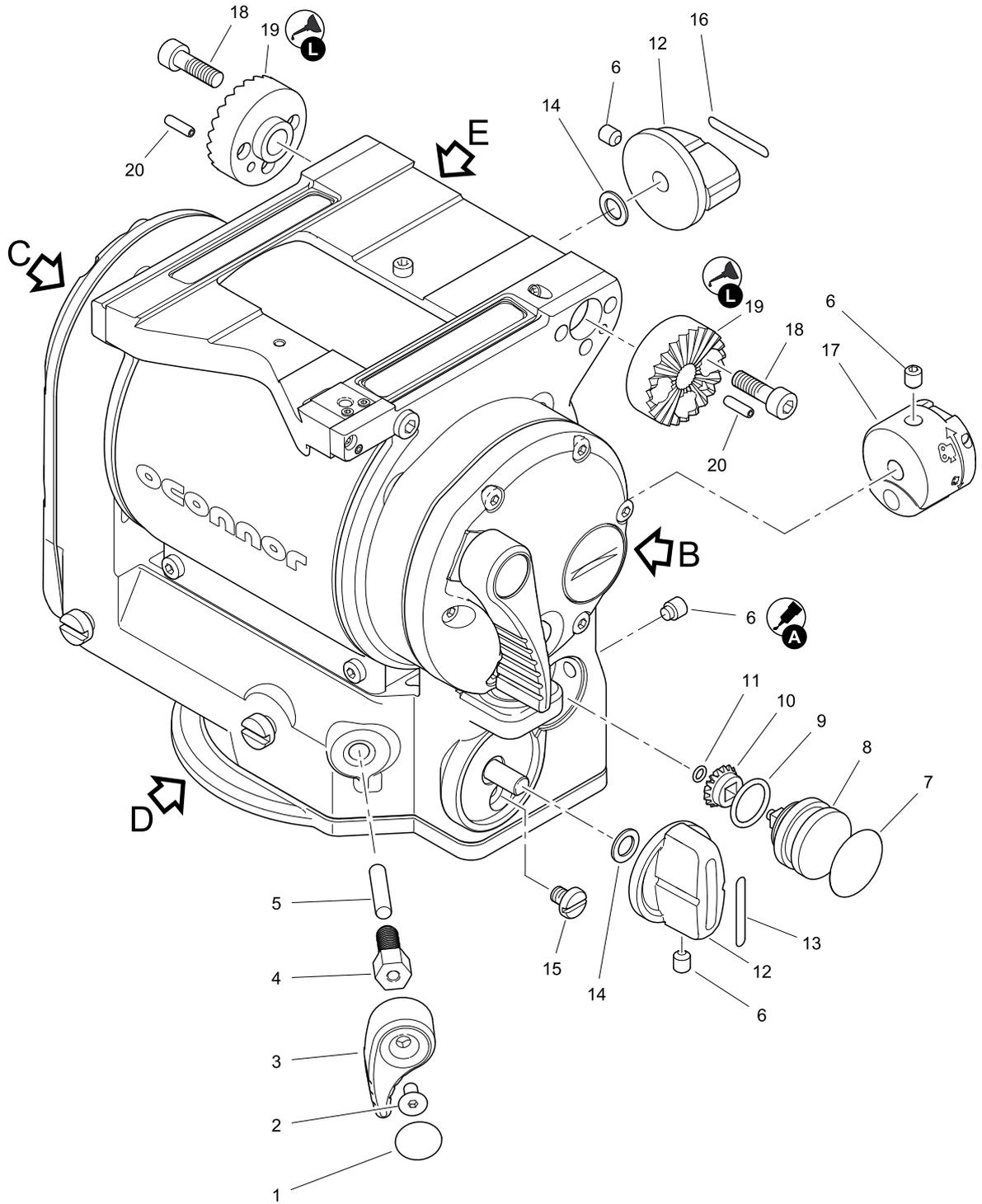


C-1237-0001-001-1

## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>1030s Configured Assembly</b>							
Fig 1.0							
1	1030-246	Assembly, handle, small European		00000/-		1	PCS
2	2575-135	Extension handle assembly, European		00000/-		1	PCS
3	04462	Screw, hex socket head countersunk	6-32 x 0.250 in. long	00000/-		1	PCS
4	C1248-1001	Side load assembly, wide		00000/-		1	PCS
5	08395	Tiedown, plastic, metric	100 mm	00000/-		1	PCS
6	00308	Snap ring, external	#5100-56 Truarc, plated	00000/-		1	PCS
7	08393	Knob, clawball star		00000/-		1	PCS
8	04370	Washer, teflon	0.566 in. x 1.000 in. x 0.015 in. thick	00000/-		1	PCS
9	08378	Washer, plastic	100 mm	00000/-		1	PCS
10	04271	Screw, hex socket head countersunk	4-40 x 0.375 in. long	00000/-		8	PCS
11	08365	Claw ball assembly, metric	100 mm	00000/-		1	PCS
12	1030-072	Claw ball base	100 mm	00000/-		1	PCS
13	08364	Tiedown stud, metric		00000/-		1	PCS
14	C1237-1000	1030 D assembly		00000/-		1	PCS
NI	C1239-4980	Operators Guide, 1030D/DS, combined, first issue		00000/-		1	PCS
NI	09072	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-		1	PCS
NI	09067	Adhesive, high strength	Loctite 271, high strength	00000/-		1	PCS

Fig 2.0 1030Ds Assembly

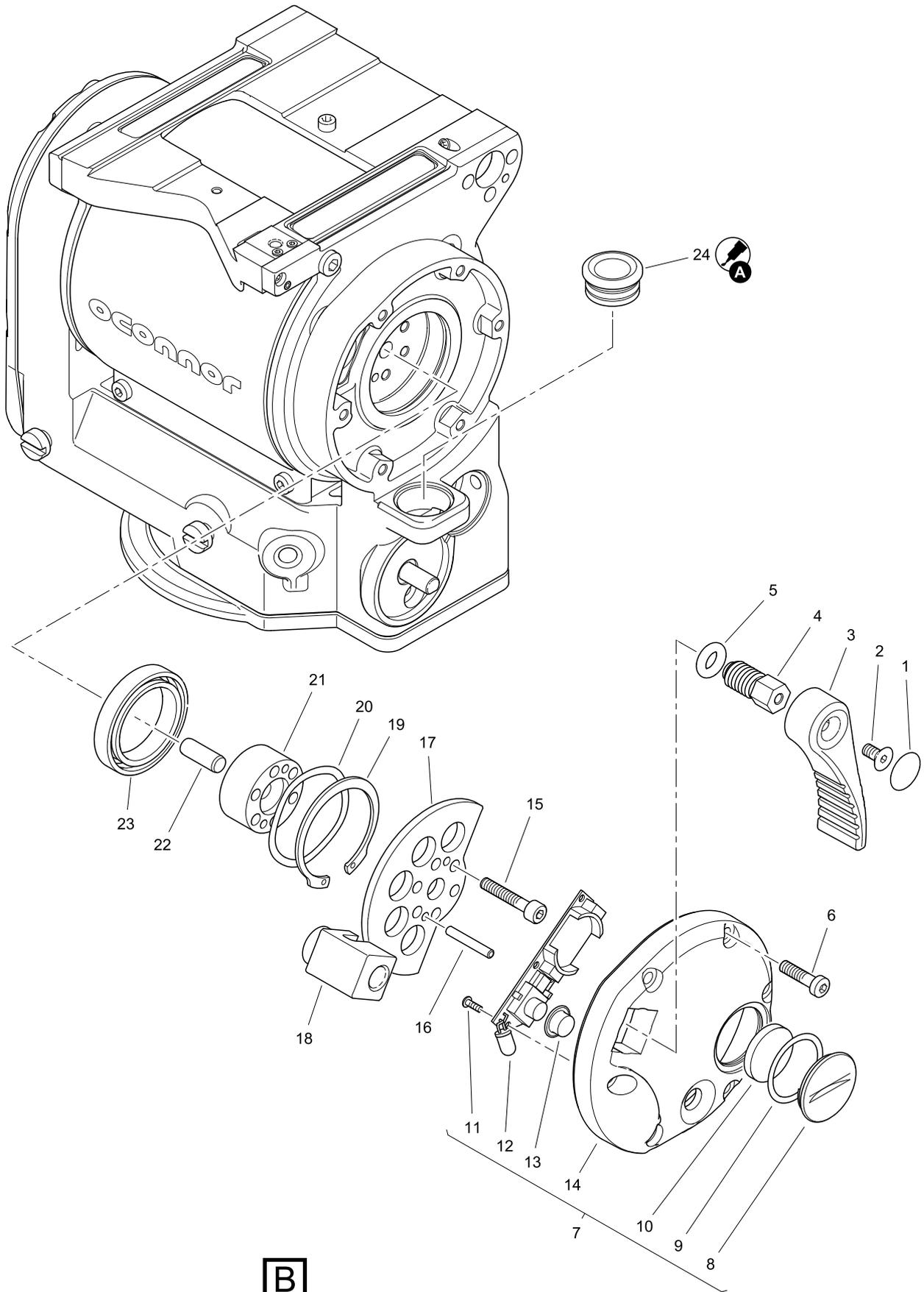


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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>1030s Assembly</b>							
Fig 2.0							
1	NSS	Label, pan lock		00000/-	C1237-1904 C1235-1906	1	PCS
2	NSS	Screw, countersunk head, socket	M4 x 8 mm long	00000/-	C1237-1906	1	PCS
3	NSS	Lever, pan lock		00000/-	C1237-1906	1	PCS
4	NSS	Screw, pan lock		00000/-	C1237-1906	1	PCS
5	1030-237	Brake pad, pan		00000/-		1	PCS
6	M006-815	Screw, grub, cup point, socket head	M5 x 6 mm long	00000/-		2	PCS
NI	CON	Adhesive, screw locking	Loctite 222	00000/-		1	
7	NSS	Label, pan fluid		00000/-	C1237-1904	1	PCS
8	1030-232	Shaft, pan fluid indicator		00000/-		1	PCS
9	02632	O-ring	5/8 in. x 1/2 in.	00000/-		1	PCS
10	1030-219	Gear miter pan		00000/-		1	PCS
11	04336	Washer		00000/-		1	PCS
12	C1237-2020	Knob adjust		00000/-		2	PCS
13	NSS	Label, pan fluid knob		00000/-	C1237-1904	1	PCS
14	04223	Washer, brass	0.260 in. ID x 0.420 in. OD x 0.032 in. thick	00000/-		2	PCS
15	04226	Screw	10-32 x 1/4 in. long	00000/-		1	PCS
16	NSS	Label, tilt fluid knob		00000/-	C1237-1904	1	PCS
17	C1237-1012	Crank assembly, counter-balance adjustment		00000/-		1	PCS
18	NSS	Screw, cap head, socket	M5 x 16 mm long	00000/-	C1237-1907	6	PCS
19	NSS	Assembly, platform handle spline		00000/-	C1237-1907	2	PCS
NI	NSS	Lubricant	Synco, #71160 super lube high temp grease with PTFE	00000/-		1	
20	NSS	Pin, coiled spring	3 mm dia. x 10 mm long	00000/-	C1237-1907	2	PCS
NI	NSS	Ultimate Fluid		00000/-		1	

Fig 3.0 Lock Cover End



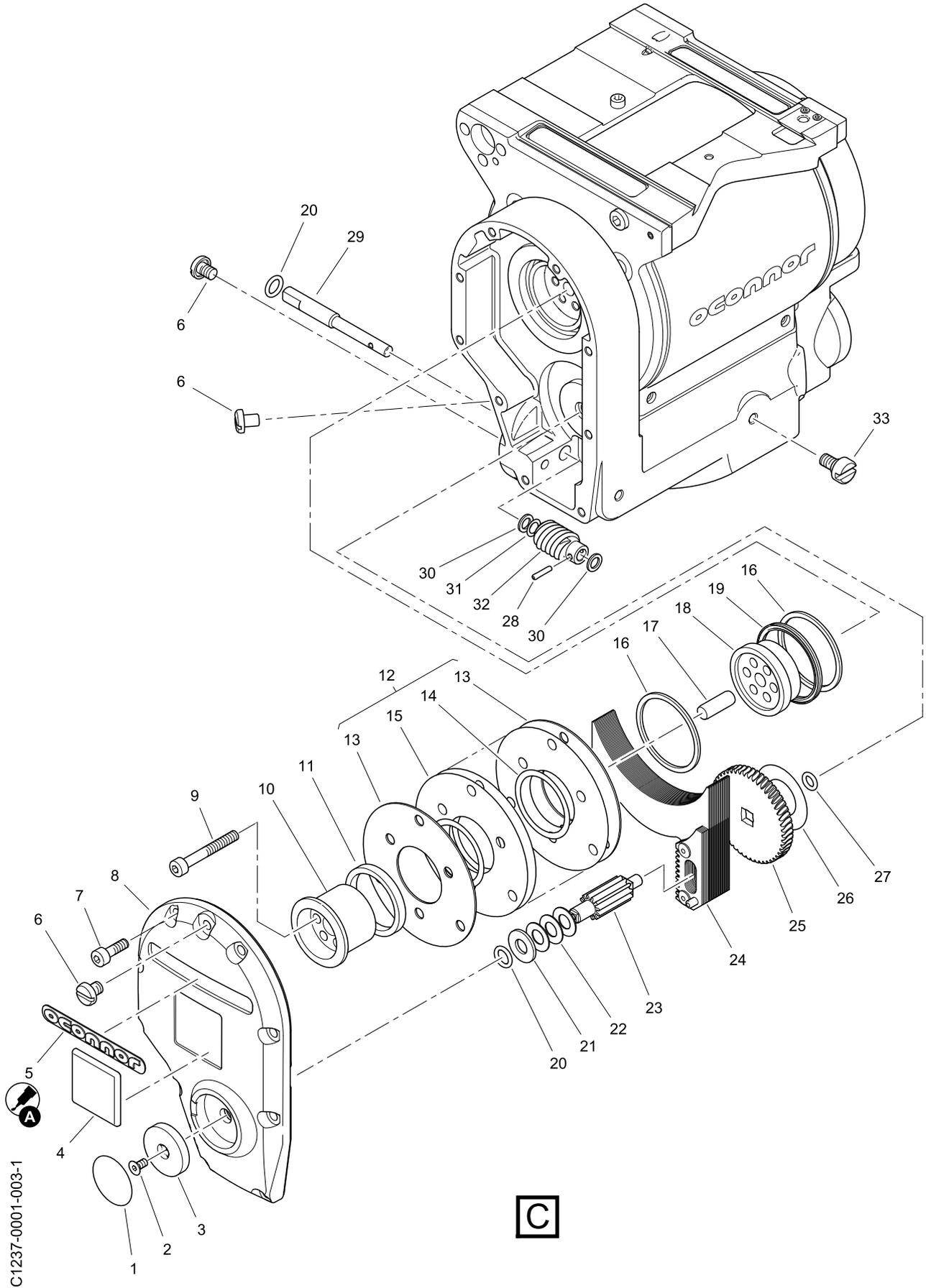
**B**

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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Lock Cover End</b>							
Fig 3.0							
1	NSS	Label, tilt lock		00000/-	C1237-1904 C1237-1905	1	PCS
2	NSS	Screw, countersunk head, socket	M4 x 8 mm long	00000/-	C1237-1905	1	PCS
3	NSS	Lever, tilt lock		00000/-	C1237-1905	1	PCS
4	NSS	Screw, tilt lock		00000/-	C1237-1905	1	PCS
5	NSS	O-ring	1/2 in. x 1/4 in.	00000/-	C1237-1905	1	PCS
6	D691204161	Slotted Cheese Head Screw	M4 x 16 mm long	00000/-		6	PCS
7	C1237-1011	Assembly lock end cover and light		00000/-		1	PCS
8	08935	Battery cover, level light		00000/-		1	PCS
9	08936	Battery cover seal, level light		00000/-		1	PCS
10							
11	M002-001	Screw, pan head, pozidrive	M2 x 6 mm long	00000/-		4	PCS
12	08940	Electronics, level light		00000/-		1	PCS
13	08939	Switch cover, level light		00000/-		1	PCS
14	C1237-2012	Cover, lock end		00000/-		1	PCS
15	M005-745	Screw, cap head, socket	M4 x 22 mm long, black	00000/-		6	PCS
16	M806-011	Pin, coiled spring	3 mm dia. x 20 mm long	00000/-		2	PCS
17	C1237-2049	Brake disk tilt		00000/-		1	PCS
18	C1237-2054	Block, tilt lock		00000/-		1	PCS
19	00347	Snap ring, internal	5008-150	00000/-		1	PCS
20	04218	Washer, wave	1.250 in. x 1.453 in. x 0.090 in. thick	00000/-		1	PCS
21	C1237-2045	Shaft, tilt, lock end		00000/-		1	PCS
22	M801-013	Dowel pin	6 mm dia. x 16 mm long	00000/-		1	PCS
23	01630	Bearing	Fafnir B541Dd	00000/-		1	PCS
24	09078	Level	Engelbert Hipp model 'A' 20mm	00000/-		1	PCS
NI	CON	Adhesive, instant bond	Loctite 480 Prism	00000/-		1	

Fig 4.0 Fluid Cover End

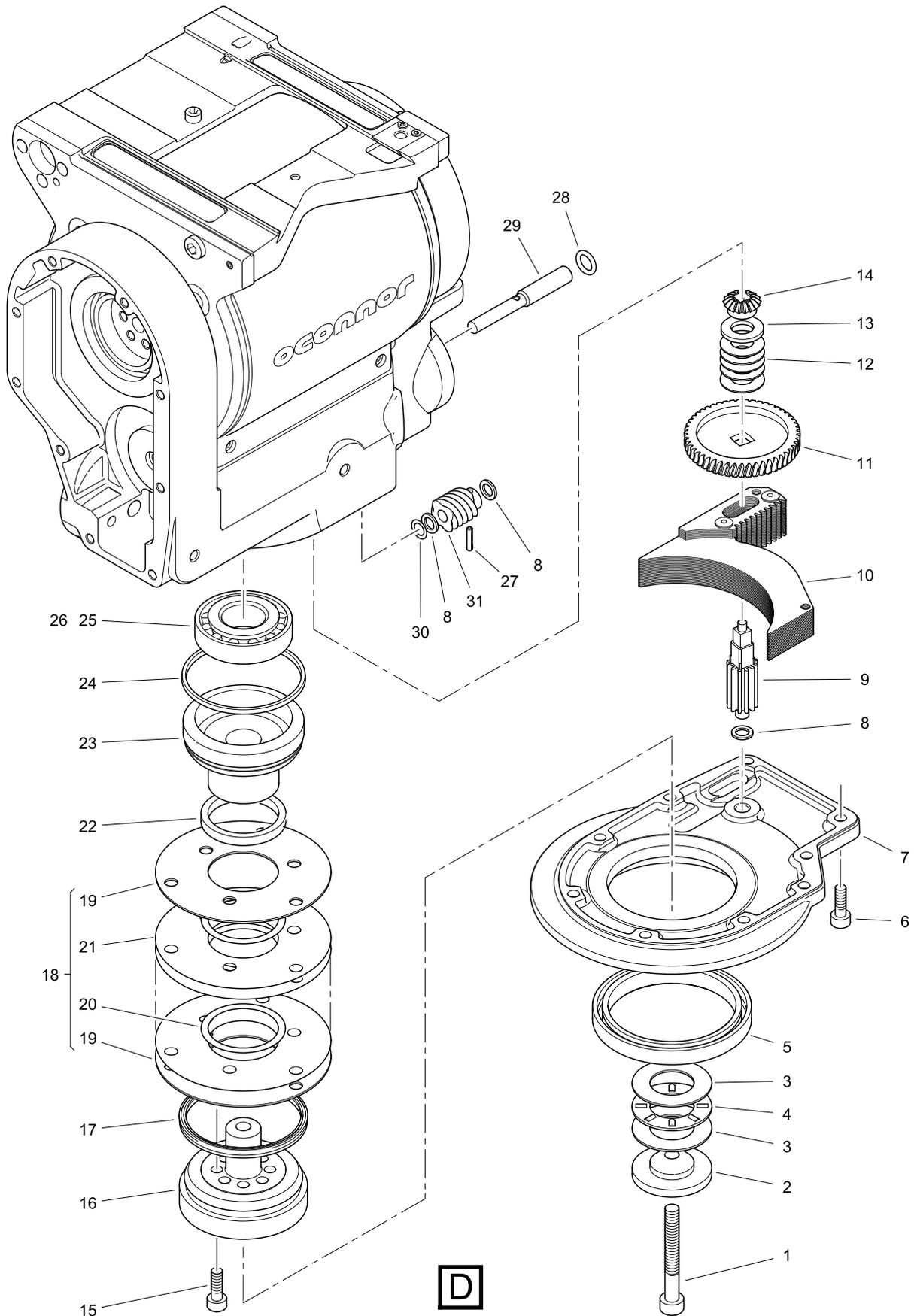


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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Fluid Cover End</b>							
Fig 4.0							
1	NSS	Label, tilt fluid		00000/-	C1237-1904	1	PCS
2	M004-919	Screw, countersunk head, socket	M3 x 6 mm long, stainless steel	00000/-		1	PCS
3	C1234-2059	Tilt indicator disk		00000/-		1	PCS
4	C1239-2009	Label, number plate		00000/-		1	PCS
5	NSS	Logo nameplate		00000/-	C1237-1904	1	PCS
NI	CON	Adhesive, black	Silastic Z32RT	00000/-		1	
6	04226	Screw	10-32 x 1/4 in. long	00000/-		3	PCS
7	91-040012-4310	Screw, socket cap head	M4 x 12 mm long, stainless steel	00000/-		9	PCS
8	C1237-2008	Cover, fluid end		00000/-		1	PCS
9	M005-722	Screw, cap head, socket	M4 x 30 mm long	00000/-		6	PCS
10	C1237-2047	Shaft, tilt, fluid end outer		00000/-		1	PCS
11	1030-163	Spacer thick disk		00000/-		1	PCS
12	C1237-1014	Assembly, drag disk stack		00000/-		1	PCS
13	1030-210	Disk drag, thick		00000/-		2	PCS
14	1030-212	Disk drag spacer		00000/-		20	PCS
15	1030-211	Disk drag, thin		00000/-		19	PCS
16	1030-228	Spacer seal tilt fluid end		00000/-		2	PCS
17	M801-013	Dowel pin	6 mm dia. x 16 mm long	00000/-		1	PCS
18	C1237-2046	Shaft, tilt, fluid end inner		00000/-		1	PCS
19	02962	American variseal	S67150-1118	00000/-		1	PCS
20	02430	O-ring	3/8 in. x 1/4 in.	00000/-		2	PCS
21	04335	Washer	0.255 in. x 0.562 in. x 0.050 in. thick	00000/-		1	PCS
22	00665	Spring	Belleville, B0500-018	00000/-		3	PCS
23	C1237-2053	Pinion tilt		00000/-		1	PCS
24	1030-165	Tilt sector assembly		00000/-		1	PCS
25	1030-218	Gear worm tilt		00000/-		1	PCS
26	04329	Washer, stainless steel	0.632 in. ID x 1.132 in. OD x 0.005 in. thick	00000/-		1	PCS
27	02292	O-ring	5/16 in. x 3/16 in.	00000/-		1	PCS
28	00593	Roll pin	0.0781 in. x 0.375 in. long	00000/-		1	PCS
29	1030-230	Shaft, tilt fluid adjust		00000/-		1	PCS
30	04217	Washer, brass	0.192 in. ID x 0.300 in. OD x 0.032 in. thick	00000/-		2	PCS
31	04227	Washer, brass	0.192 in. ID x 0.300 in. OD x 0.002 in. thick	00000/-		3	PCS
32	2575-051	Counterbalance worm		00000/-		1	PCS
33	1030-242	Screw, shoulder	10-24	00000/-		2	PCS

Fig 5.0 Pan Cover End



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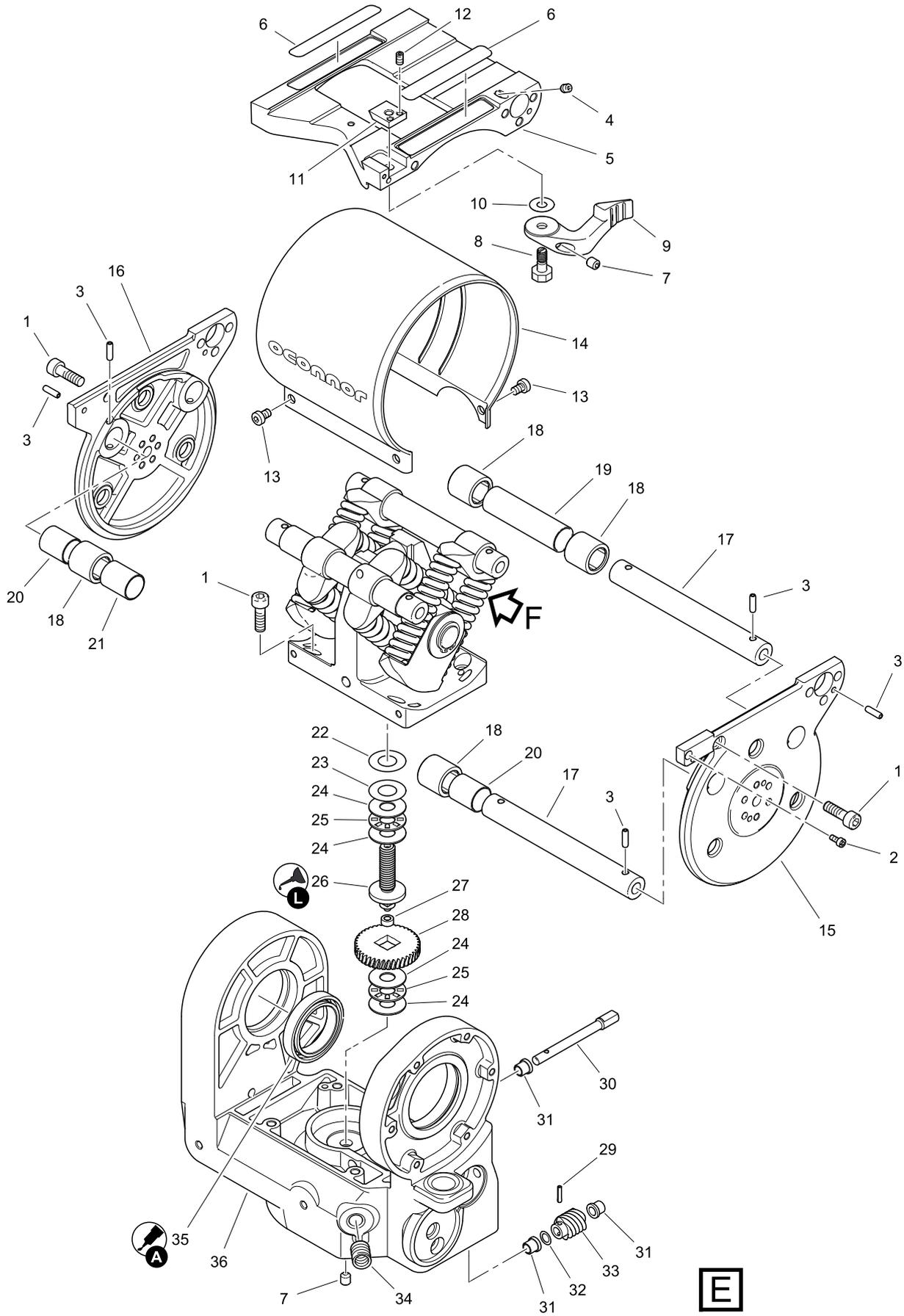
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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Pan Cover End</b>							
Fig 5.0							
1	NSS	Screw, cap head, socket	M5 x 40 mm long, black, with Nylock patch	00000/-	C1237-1901	1	PCS
2	C1237-2052	Washer, pan preload		00000/-		1	PCS
3	NSS	Thrust bearing race	Torrington Tra-1018	00000/-	C1237-1901	2	PCS
4	NSS	Thrust bearing	Thrust Bearing, Torrington Nta-1018	00000/-	C1237-1901	1	PCS
5	01660	Bearing	Fafnir B544Dd	00000/-		1	PCS
6	91-040012-4310	Screw, socket cap head	M4 x 12 mm long, stainless steel	00000/-		9	PCS
7	C1237-2010	Pan cover		00000/-		1	PCS
8	04217	Washer, brass	0.192 in. ID x 0.300 in. OD x 0.032 in. thick	00000/-		3	PCS
9	1030-234	Pinion, pan		00000/-		1	PCS
10	1030-164	Assembly sector drag pan		00000/-		1	PCS
11	1030-217	Gear worm pan		00000/-		1	PCS
12	00612	Spring	Belleville, B0625-022	00000/-		5	PCS
13	1030-233	Spacer, pan pinion		00000/-		1	PCS
14	1030-219	Gear miter pan		00000/-		1	PCS
15	M005-718	Screw, cap head, socket	M4 x 12 mm long	00000/-		8	PCS
16	C1237-2050	Shaft, pan, lower		00000/-		1	PCS
17	NSS	American variseal	S67150-0953	00000/-	C1237-1901	1	PCS
18	C1237-1014	Assembly, drag disk stack		00000/-		1	PCS
19	1030-210	Disk drag, thick		00000/-		2	PCS
20	1030-212	Disk drag spacer		00000/-		20	PCS
21	1030-211	Disk drag, thin		00000/-		19	PCS
22	1030-163	Spacer thick disk		00000/-		1	PCS
23	C1237-2051	Shaft, pan, upper					
24	NSS	American variseal	S67150-0952	00000/-	C1237-1901	1	PCS
25	01132	Bearing	Timken L21549 Cone	00000/-		1	PCS
26	01131	Bearing	Timken L21511 Cup	00000/-		1	PCS
27	00593	Roll pin	0.0781 in. x 0.375 in. long	00000/-		1	PCS
28	02430	O-ring	3/8 in. x 1/4 in.	00000/-		1	PCS
29	1030-241	Shaft, pan fluid adj		00000/-		1	PCS
30	04227	Washer, brass	0.192 in. ID x 0.300 in. OD x 0.002 in. thick	00000/-		3	PCS
31	1030-221	Gear worm pan		00000/-		1	PCS

Standard Parts List

Fig 6.0 Main Body

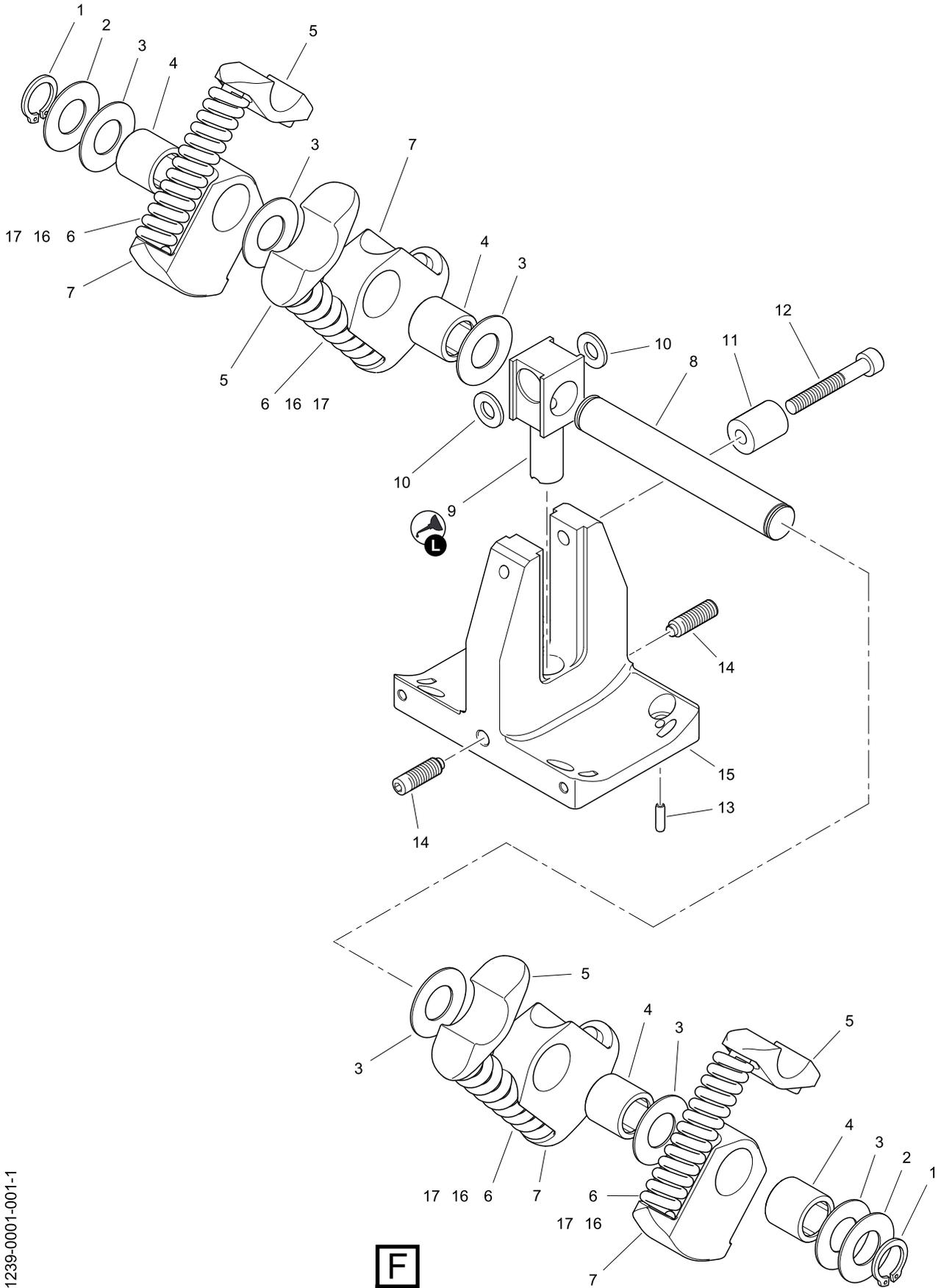


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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Main Body</b>							
Fig 6.0							
1	M006-704	Screw, cap head, socket	M5 x 16 mm long	00000/-		12	PCS
2	M003-704	Screw, cap head, socket	M2.5 x 6 mm long, stainless steel, din912	00000/-		1	PCS
3	M806-014	Pin, coiled spring	3 mm dia. x 10 mm long	00000/-		8	PCS
4	04303	Screw, Hex socket set	8-32 x 0.187 in., Nylock patch, nylon tip	00000/-		1	PCS
5	C1237-2014	Platform sub base		00000/-		1	PCS
6	NSS	Label, platform scale		00000/-	C1237-1904	2	PCS
7	NSS	Screw, grub, cup point, socket head	M5 x 6 mm long	00000/-	C1237-1903	1	PCS
8	NSS	Screw platform adjustment		00000/-	C1237-1903	1	PCS
9	NSS	Lever platform adjustment		00000/-	C1237-1903	1	PCS
10	NSS	Washer, brass	0.200 in. ID x 0.500 in. OD x 0.005 in. thick	00000/-	C1237-1903	1	PCS
11	1030-043	Platform lock, block		00000/-		1	PCS
12	04242	Screw, hex socket set	6-32 x 0.250 in. long, Nylock patch	00000/-		2	PCS
13	M005-736	Screw, low-profile, cap head, socket	M4 x 6 mm long	00000/-		4	PCS
14	C1237-2017	Tilt drum cover		00000/-		1	PCS
15	C1237-2006	Tilt plate, lock end		00000/-		1	PCS
16	C1237-2004	Tilt plate, fluid end		00000/-		1	PCS
17	C1237-2048	Shaft, wiffletree support		00000/-		2	PCS
18	01330	Needle roller	Torrington B-810	00000/-		4	PCS
19	1030-093	Upper Wiffle Tree Spacer Part C		00000/-		1	PCS
20	1030-091	Upper Wiffle Tree Spacer Part A		00000/-		2	PCS
21	1030-092	Upper Wiffle Tree Spacer Part B		00000/-		1	PCS
22	04532	Washer, brass		00000/-		2	PCS
23	04531	Washer, brass		00000/-		3	PCS
24	01640	Thrust bearing race	Torrington Tra-512	00000/-		4	PCS
25	01650	Thrust bearing	Torrington Nta-512	00000/-		2	PCS
26	C1237-2035	Screw, crankpin adjustment		00000/-		1	PCS
NI	NSS	Lubricant	Silver Goop Antiseize Thread Lubricant	00000/-		1	
27	01699	Bushing	Boston Gear B24-1	00000/-		1	PCS
28	C1237-2034	Worm gear, counter- balance 40t		00000/-		1	PCS
29	00593	Roll pin	0.0781 in. x 0.375 in. long	00000/-		1	PCS
30	C1237-2069	Counter balance adjustment shaft		00000/-		1	PCS
31	2575-087	Flanged bearing, modified		00000/-		3	PCS
32	04227	Washer, brass	0.192 in. ID x 0.300 in. OD x 0.002 in. thick	00000/-		3	PCS
33	1030-221	Gear worm pan		00000/-		1	PCS
34	C1237-2038	Insert, pan lock		00000/-		1	PCS
35	01630	Bearing	Fafnir B541Dd	00000/-		1	PCS
NI	NSS	Adhesive, high strength	Loctite 680, high strength retaining	00000/-		1	
36	C1237-2002	Main body, 1030D		00000/-		1	PCS

Fig 7.0 Counter Balance Adjustment

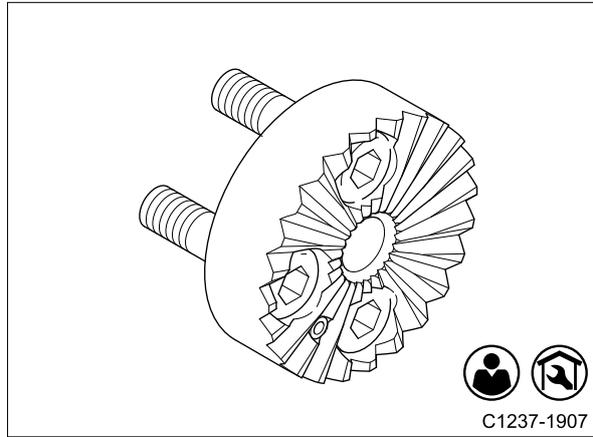
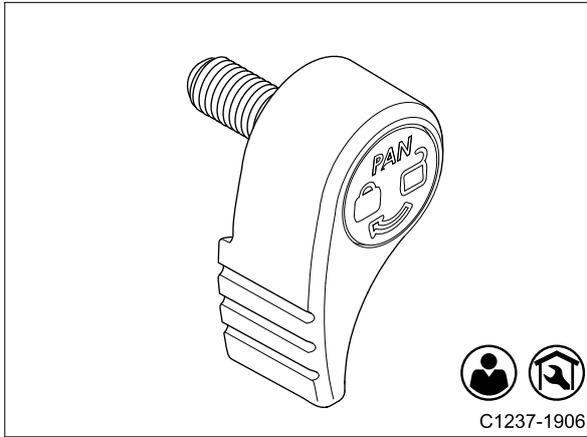
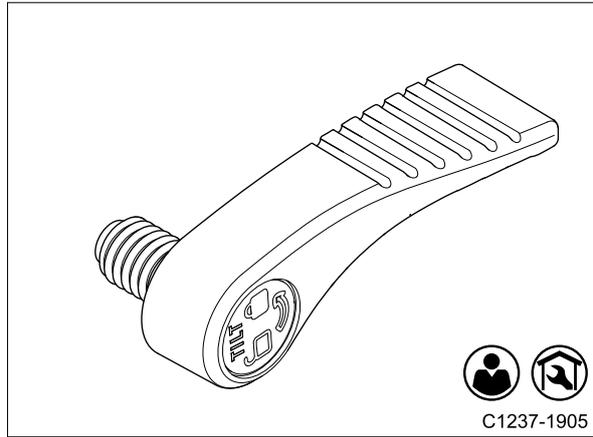
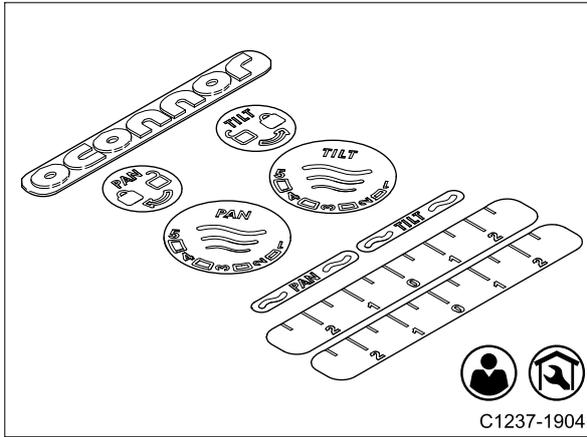
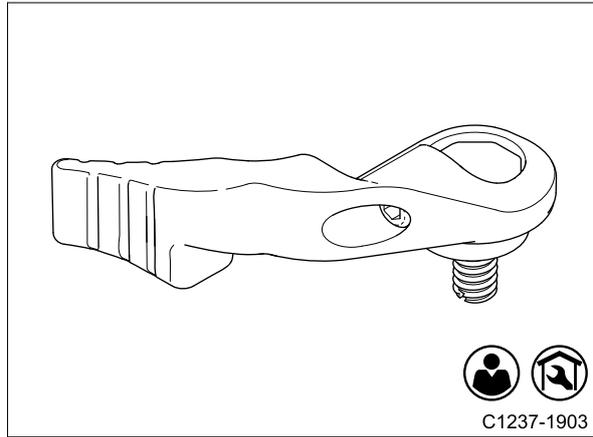
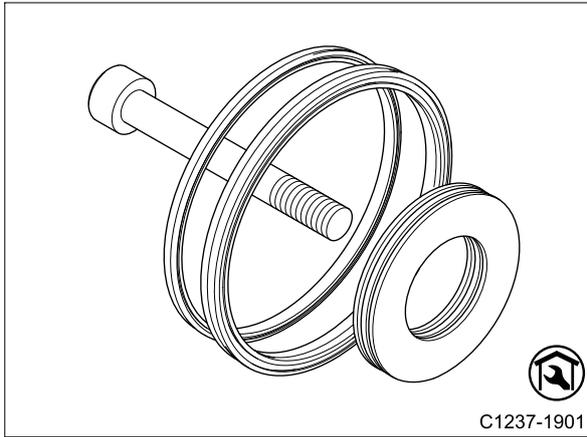


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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Counter Balance Adjustment</b>							
Fig 7.0							
1	00338	Snap ring	5160-50 Truarc	00000/-		2	PCS
2	04219	Washer, brass		00000/-		2	PCS
3	1030-078	Washer, lower wiffletree		00000/-		6	PCS
4	01330	Needle roller	Torrington B-810	00000/-		4	PCS
5	1030-307	Wiffletree, upper 'S'		00000/-		4	PCS
6	1030-306	Spring, counterbalance 'S'		00000/-		8	PCS
7	1030-308	Wiffletree, lower 'S'		00000/-		4	PCS
8	1030-046	Crankpin		00000/-		1	PCS
9	C1239-2003	Block, crankpin 'S'		00000/-		1	PCS
NI	NSS	Lubricant	Silver Goop Antiseize Thread Lubricant	00000/-		1	
10	1030-260	Cushion crankpin block		00000/-	C1237-1902	2	PCS
11	C1237-2055	Block spacer		00000/-		1	PCS
12	M006-715	Screw, cap head, socket	M5 x 35 mm long	00000/-		1	PCS
13	M806-014	Pin, coiled spring	3 mm dia. x 10 mm long	00000/-		2	PCS
14	M007-825	Screw, grub, 1/2 dog point	M6 x 20 mm long, e -cote polyseal	00000/-		2	PCS
15	C1239-2002	Housing, counter-balance adjustment -s		00000/-		1	PCS
16	04292	Washer	0.315 in. x 0.511 in. x 0.016 in. thick	00000/-		1	PCS
17	04291	Washer	0.315 in. x 0.511 in. x 0.005 in. thick	00000/-		1	PCS

Spares Kit List



## Spares Kit List

Kit No.	Kit/Part Name	Technical Data	Serial No.	Qty	Unit
<b>C1237-1901</b>	<b>Pan Kit — 1030D</b>				
	<i>Comprising:</i>				
NSS	Screw, cap head, socket	M5 x 40 mm long, black, with Nylock patch	00000/-	1	PCS
NSS	Thrust bearing	Thrust Bearing, Torrington Nta-1018	00000/-	1	PCS
NSS	Thrust bearing race	Torrington Tra-1018	00000/-	2	PCS
NSS	American variseal	S67150-0953	00000/-	1	PCS
NSS	American variseal	S67150-0952	00000/-	1	PCS
NSS	Crankpin block		00000/-	1	PCS
<b>C1237-1903</b>	<b>Platform Release Lever Kit</b>		<b>00000/-</b>		
	<i>Comprising:</i>				
NSS	Screw, grub, cup point, socket head	M5 x 6 mm long	00000/-	1	PCS
NSS	Washer, brass	0.200 in. ID x 0.500 in. OD x 0.005 in. thick	00000/-	1	PCS
NSS	Screw platform adjustment		00000/-	1	PCS
NSS	Lever platform adjustment		00000/-	1	PCS
<b>C1237-1904</b>	<b>Label Kit — 1030D &amp; 1030DS</b>		<b>00000/-</b>		
	<i>Comprising:</i>				
NSS	Logo nameplate		00000/-	1	PCS
NSS	Label, platform scale		00000/-	2	PCS
NSS	Label, tilt fluid knob		00000/-	1	PCS
NSS	Label, pan fluid knob		00000/-	1	PCS
NSS	Label, pan lock		00000/-	1	PCS
NSS	Label, tilt lock		00000/-	1	PCS
NSS	Label, tilt fluid		00000/-	1	PCS
NSS	Label, pan fluid		00000/-	1	PCS
<b>C1237-1905</b>	<b>Tilt Lock Kit</b>		<b>00000/-</b>		
	<i>Comprising:</i>				
NSS	Screw, countersunk head, socket	M4 x 8 mm long	00000/-	1	PCS
NSS	O-ring	1/2 in. x 1/4 in.	00000/-	1	PCS
NSS	Screw, tilt lock		00000/-	1	PCS
NSS	Label, tilt lock		00000/-	1	PCS
NSS	Lever, tilt lock		00000/-	1	PCS
<b>C1237-1906</b>	<b>Pan Lock Kit</b>		<b>00000/-</b>		
	<i>Comprising:</i>				
NSS	Screw, countersunk head, socket	M4 x 8 mm long	00000/-	1	PCS
NSS	Label, pan lock		00000/-	1	PCS
NSS	Screw, pan lock		00000/-	1	PCS
NSS	Lever, pan lock		00000/-	1	PCS
<b>C1237-1907</b>	<b>Handle Spline Assembly Kit</b>		<b>00000/-</b>		
	<i>Comprising:</i>				
NSS	Pin, coiled spring	3 mm dia. x 10 mm long	00000/-	1	PCS
NSS	Screw, cap head, socket	M5 x 16 mm long	00000/-	3	PCS
NSS	Assembly, platform handle spline		00000/-	1	PCS

# 1030Ds Fluid Head

## C1239-0001

### HEADQUARTERS

2701 N. Ontario St.  
Burbank, CA 91504  
USA  
Tel: +1 818 847 8666  
Fax: +1 818 847 1205

### USA

709 Executive Blvd  
Valley Cottage  
New York 10989  
USA  
Tel: +1 845 268 0100  
Fax: +1 845 268 9324

### UK

William Vinten Building  
Western Way  
Bury St Edmunds  
Suffolk IP33 3TB  
Tel: +44 1284 776 700  
Fax: +44 1284 750 560

### BRAZIL

Rua Quintana, 950 – cj.32  
Brooklin  
São Paulo, 04569-011  
Brazil  
Tel: +55 11 5102 4001  
Fax: +55 11 5103 1164

### CHINA

Room 706, Tower B  
Derun Building  
YongAn Dongli A No. 8  
Jianwai Ave., Chaoyang District  
100022 Beijing, China  
Tel: +86 10 8528 8748  
Fax: +86 10 8528 8749

### FRANCE

171 Avenue des Grésillons  
92635 Gennevilliers CEDEX  
France  
Tel: +33 8 20 82 13 36  
Fax: +33 8 25 82 61 81

### GERMANY

Erfurter Straße 16  
85386 Eching  
Germany  
Tel: +49 89 321 58 200  
Fax: +49 89 321 58 227  
Gebäude 16  
Planiger Straße 34  
55543 Bad Kreuznach  
Germany  
Tel: +49 671 483 43 30  
Fax: +49 671 483 43 50

### JAPAN

P.A. Building 4F  
3-12-6 Aobadai  
Meguro-ku  
Tokyo 153-0042  
Japan  
Tel: +81 3 5457 1381  
Fax: +81 3 5457 1382

### SINGAPORE

6 New Industrial Road  
#02-02 Hoe Huat Industrial Building  
Singapore 536199  
Tel: +65 629 757 76  
Fax: +65 629 757 78