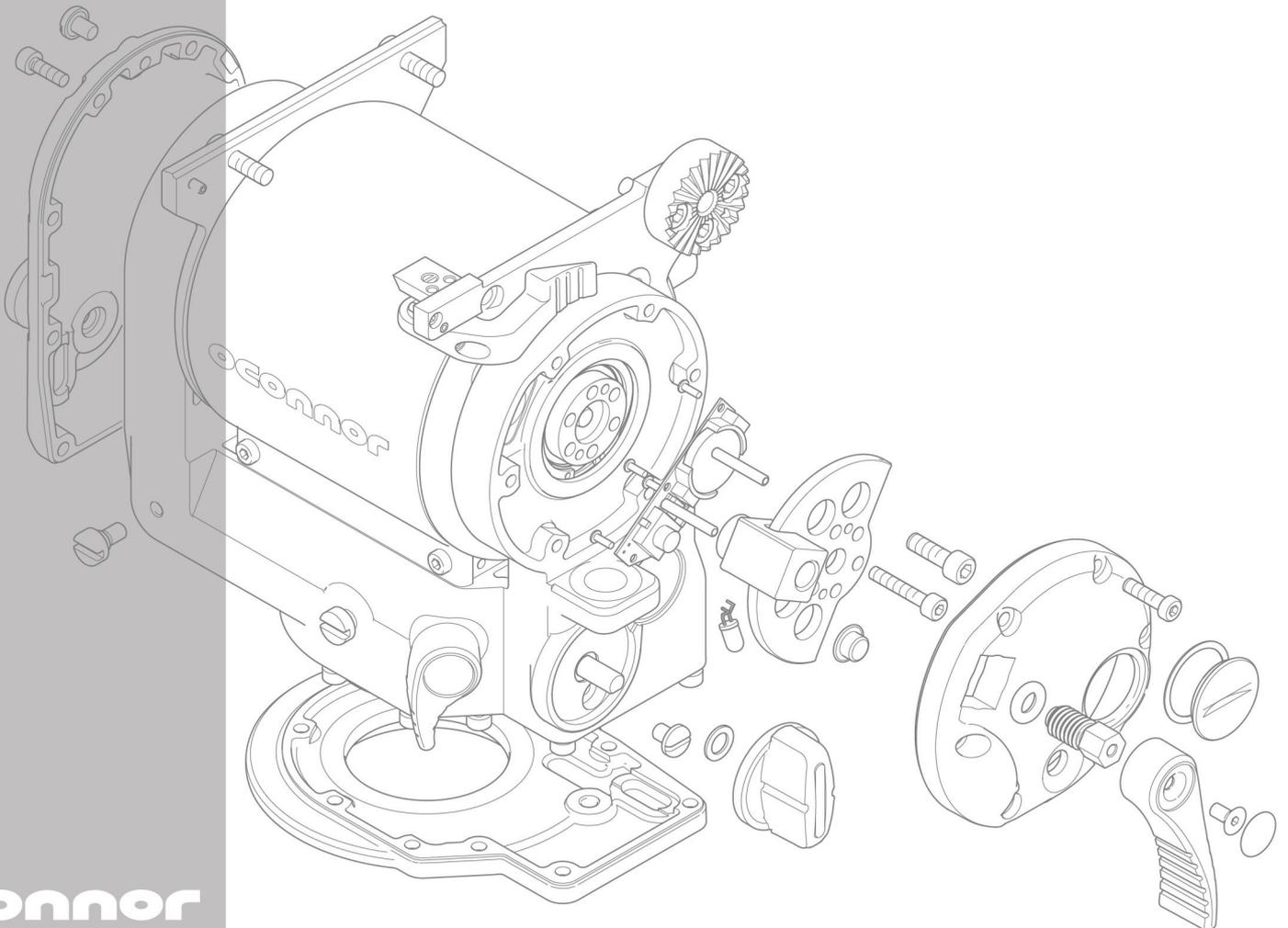


## O-Focus DM Photo Set C1242-0001



**Original Instructions:** English

**Publication No.** C1242-0001-800/1

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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/-.

## ILLUSTRATED PARTS LIST

## Document History

Issue	Details/Changes	Page/s	Issue Date
1	Initial release		2012-05-4

## 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**

O-Focus DM Photo Set Assembly.....	4
Hard Stop Handwheel .....	6
Main Bridge and LWS Rod Bridge.....	8

**Symbols**

Lubricant



Adhesive



Torque setting



Spares kit available to end users.

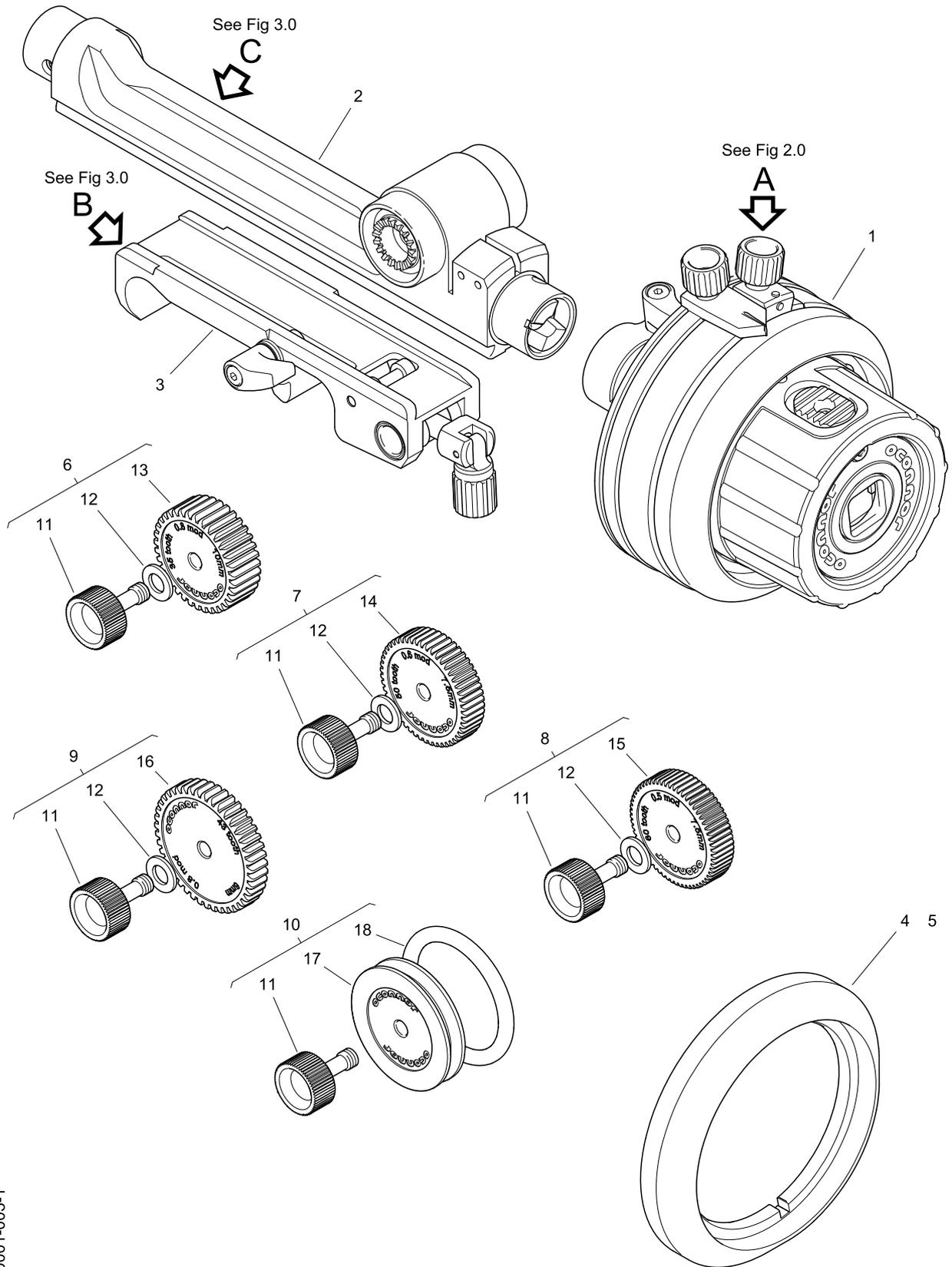


Fitting instructions available.



Spares kit only available to Service Centres.

Fig 1.0 O-Focus DM Photo Set Assembly

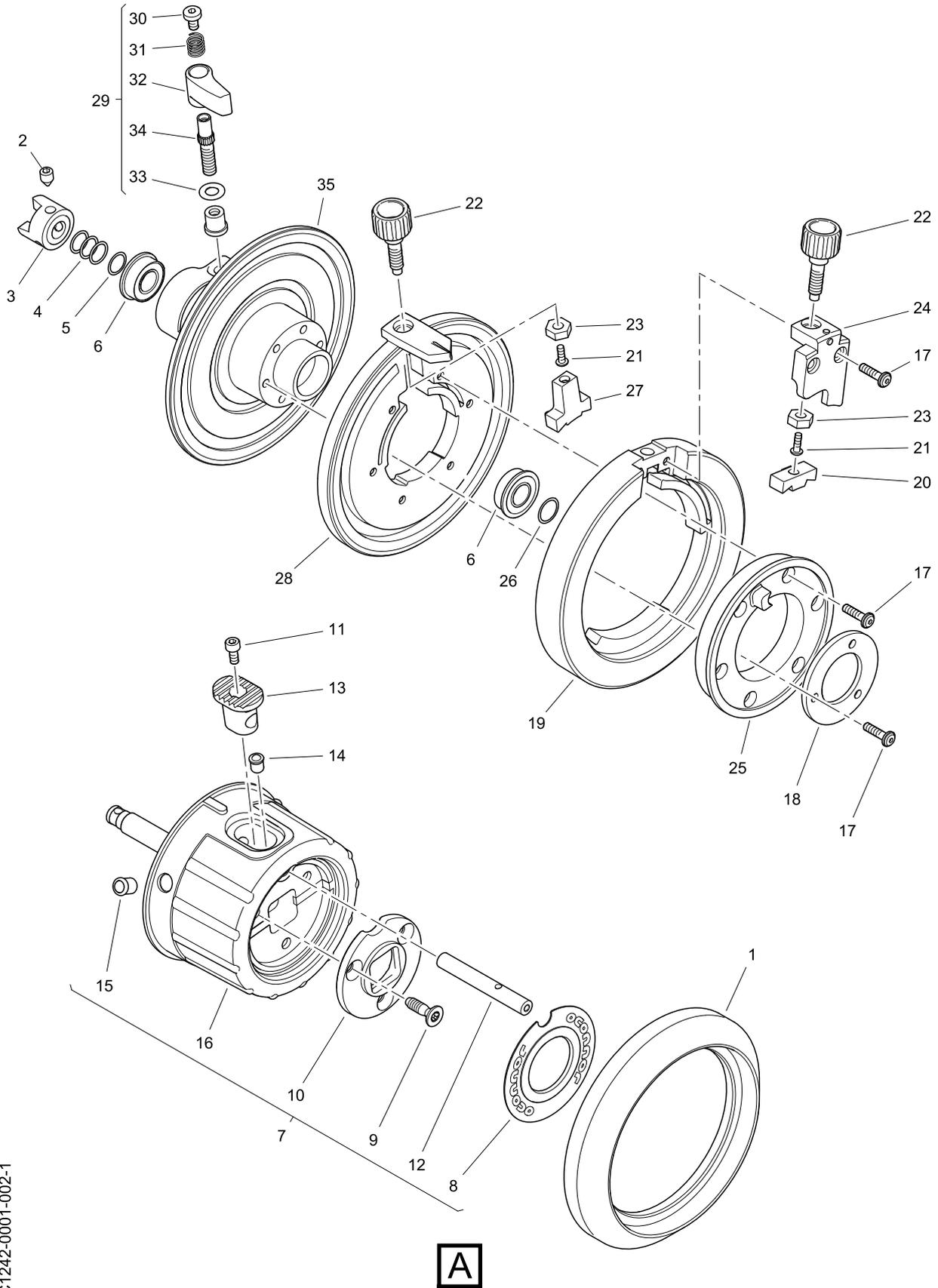


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## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>O-Focus DM Photo Set Assembly</b>							
Fig 1.0							
1	C1242-1100	O-Focus hard stop handwheel		0000/-		1	PCS
2	C1242-1300	O-Focus DM main bridge		0000/-		1	PCS
3	C1241-1540	LWS rod bridge 15 mm		0000/-		1	PCS
4	C1242-1530	Set of 10 marking discs, small		0000/-		1	PCS
5	C1242-2421	Marking disc, small		0000/-		10	PCS
6	C1241-1700	Gear	Z35 0.8 m 10 mm face	0000/-		1	PCS
7	C1241-1800	Gear	Z50 0.6 m 7.5 mm face	0000/-		1	PCS
8	C1241-1900	Gear	Z60 0.5 m 7.5 mm face	0000/-		1	PCS
9	C1241-1600	Gear	Z43 0.8 m 6 mm face	0000/-		1	PCS
10	C1242-1001	Friction driver 35		0000/-		1	PCS
11	C1241-2602	Screw, knurled		0000/-		5	PCS
12	95-050-0110	Washer	plain, M5	0000/-		4	PCS
13	C1241-2701	Gear	35-0.8M-10	0000/-		1	PCS
14	C1241-2801	Gear	50-0.6M-7.5	0000/-		1	PCS
15	C1241-2901	Gear	60-0.5M-7.5	0000/-		1	PCS
16	C1241-2601	Gear	43-0.8M-6	0000/-		1	PCS
17	C1242-2008	Friction driver wheel		0000/-		1	PCS
18	R900H007	O-ring	29 mm ID x 4 mm sec.	0000/-		1	PCS
NI	C1242-4980	User guide		0000/-		1	PCS

Fig 2.0 Hard Stop Handwheel



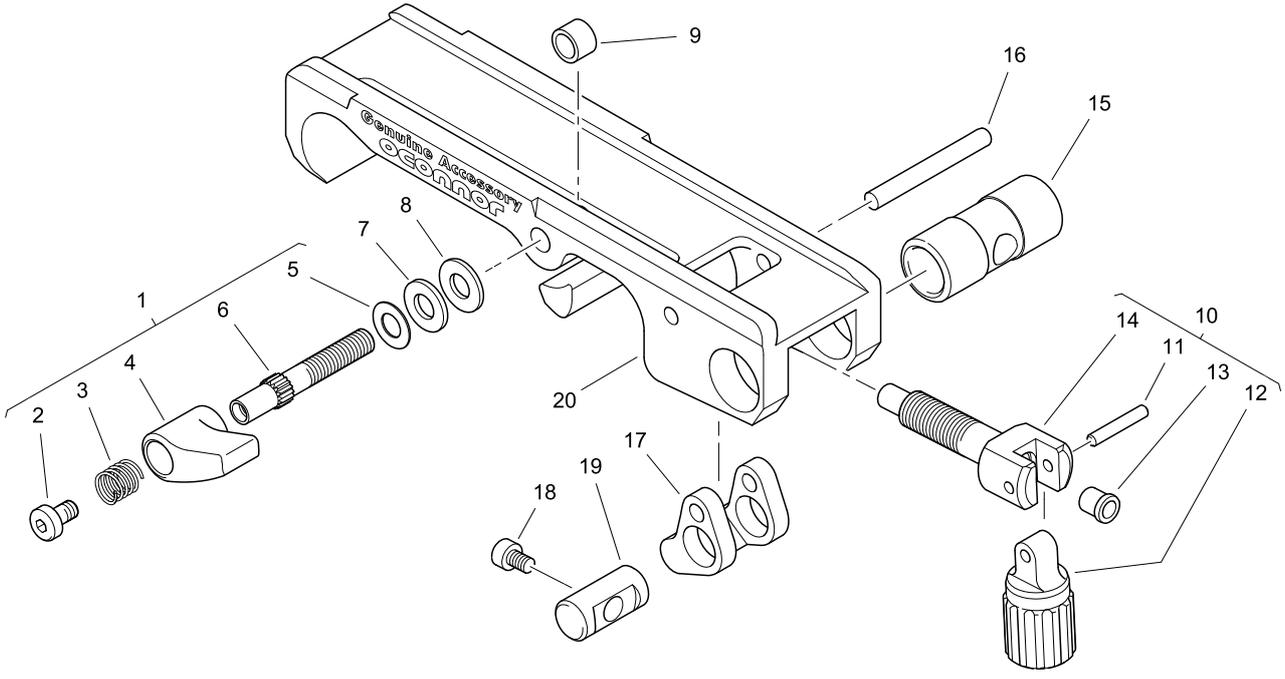
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## Standard Parts List

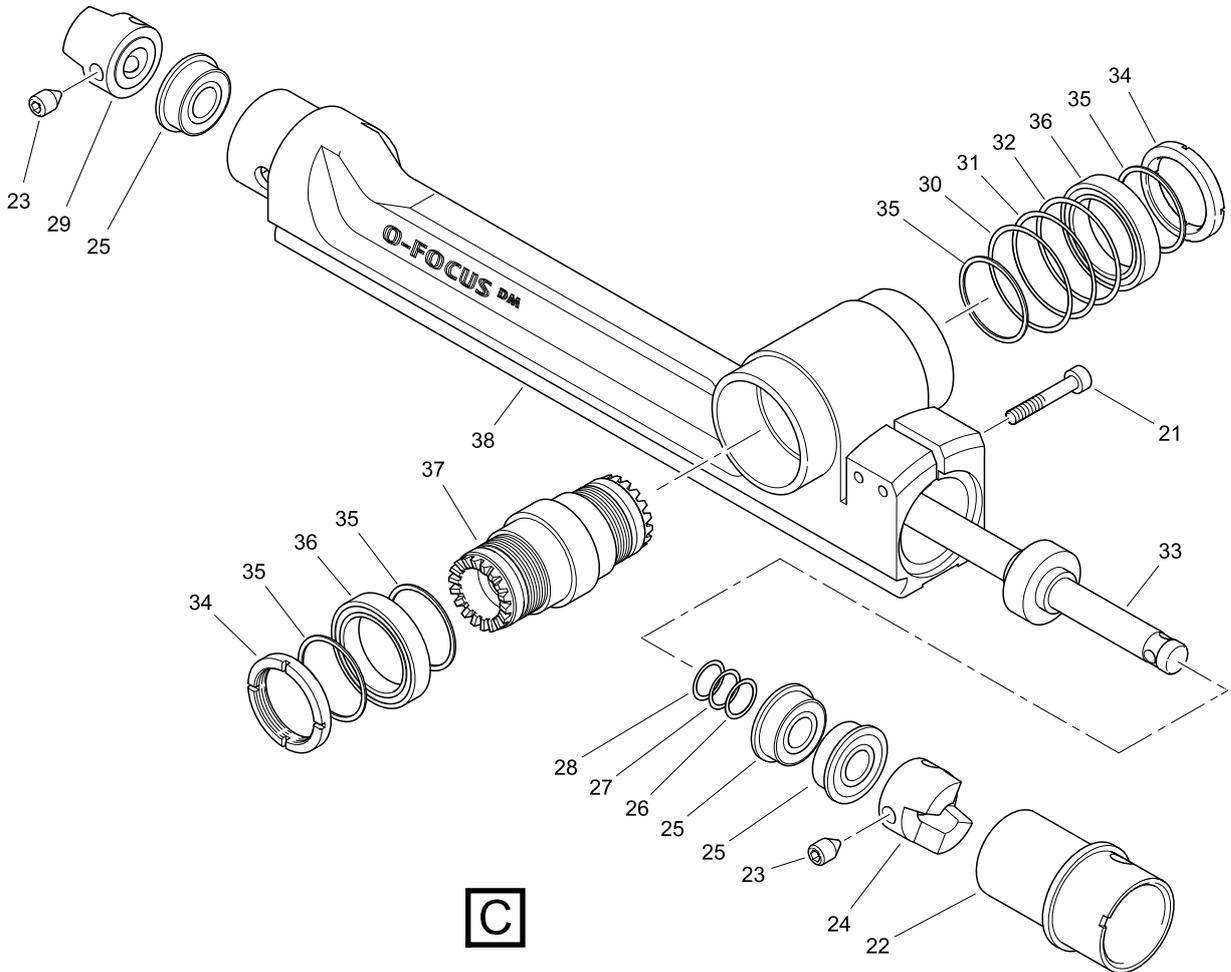
Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Hard Stop Handwheel</b>							
Fig 2.0							
1	C1242-2421	Marking disc, small		0000/-		1	PCS
2	C1241-2406	Screw, cone		0000/-		2	PCS
3	C1241-2410	Acc Coupling L		0000/-		1	PCS
4	NSS	Washer, wave	6.17mm ID x 7.75mm OD	0000/-	C2142-1905	3	PCS
5	NSS	Spacer	7.8 x 6.2 x 0.1 mm	0000/-	C2142-1905	1	PCS
6	NSS	Bearing, ball, flanged	7 mm ID x 14 mm OD x 5 mm long	0000/-	C2142-1905	2	PCS
7	NSS	Handwheel, small, and badge assembly		0000/-	C2142-1905	1	PCS
8	NSS	OConnor logo ring, small		0000/-	C2142-1905	1	PCS
9	NSS	Self-Tapping Screw (Ejot PT)	35 x 12 mm long	0000/-	C2142-1905	3	PCS
10	NSS	Handwheel cover plate		0000/-	C2142-1905	1	PCS
11	NSS	Screw, cap head, socket	M2.5 x 6 mm long, stainless steel, din912	0000/-	C2142-1905	1	PCS
12	NSS	Plunger		0000/-	C2142-1905	1	PCS
13	NSS	Switch		0000/-	C2142-1905	1	PCS
14	NSS	Thrust Piece		0000/-	C2142-1905	2	PCS
15	NSS	Spring, plunger, ball	5 mm dia.	0000/-	C2142-1905	3	PCS
16	NSS	Handwheel, small, overmoulded		0000/-	C2142-1905	1	PCS
17	M101-028	Screw, s/t, flanged btn	M2.5	0000/-		8	PCS
18	C1242-2430	Retaining ring 2		0000/-		1	PCS
19	C1242-2425	Limit carrier		0000/-		1	PCS
20	C1242-2431	Stop clamp 2		0000/-		1	PCS
21	NSS	Screw, pan head, pozidrive	M2 x 6 mm long	0000/-	C2142-1906	2	PCS
22	NSS	Clamp screw		0000/-	C2142-1906	2	PCS
23	NSS	Nut, M4, standard (hex), lock		0000/-	C2142-1906	2	PCS
24	C1242-2432	Stop		0000/-		1	PCS
25	C1242-2429	Retaining ring 1		0000/-		1	PCS
26	NSS	Spacer	8.8 x 7.2 x 0.1 mm	0000/-	C2142-1905	1	PCS
27	C1242-2428	Stop clamp 1		0000/-		1	PCS
28	C1242-2424	Index carrier		0000/-		1	PCS
29	NSS	Lock lever, RH, short assembly		0000/-	C2142-1904	1	PCS
30	NSS	Screw, low-profile, cap head, socket	M3 x 5mm long, stainless steel, din 7984	0000/-	C2142-1904	1	PCS
31	NSS	Spring, compression	7.94mm free length, 5.33mm OD x 5.56mm hole dia. x 4.18mm ID, 1.51n/mm rate	0000/-	C2142-1904	1	PCS
32	NSS	Lever		0000/-	C2142-1904	1	PCS
33	NSS	Spacer	8 x 4.2 x 0.3 mm	0000/-	C2142-1904	1	PCS
34	NSS	Stud	13.3	0000/-	C2142-1904	1	PCS
35	NSS	Shaft housing		0000/-	C2142-1904	1	PCS
NI	Z150-105	Lubricant, grease	Rocol, foodlub high-temp				

Standard Parts List

Fig 3.0 Main Bridge and LWS Rod Bridge



**B**



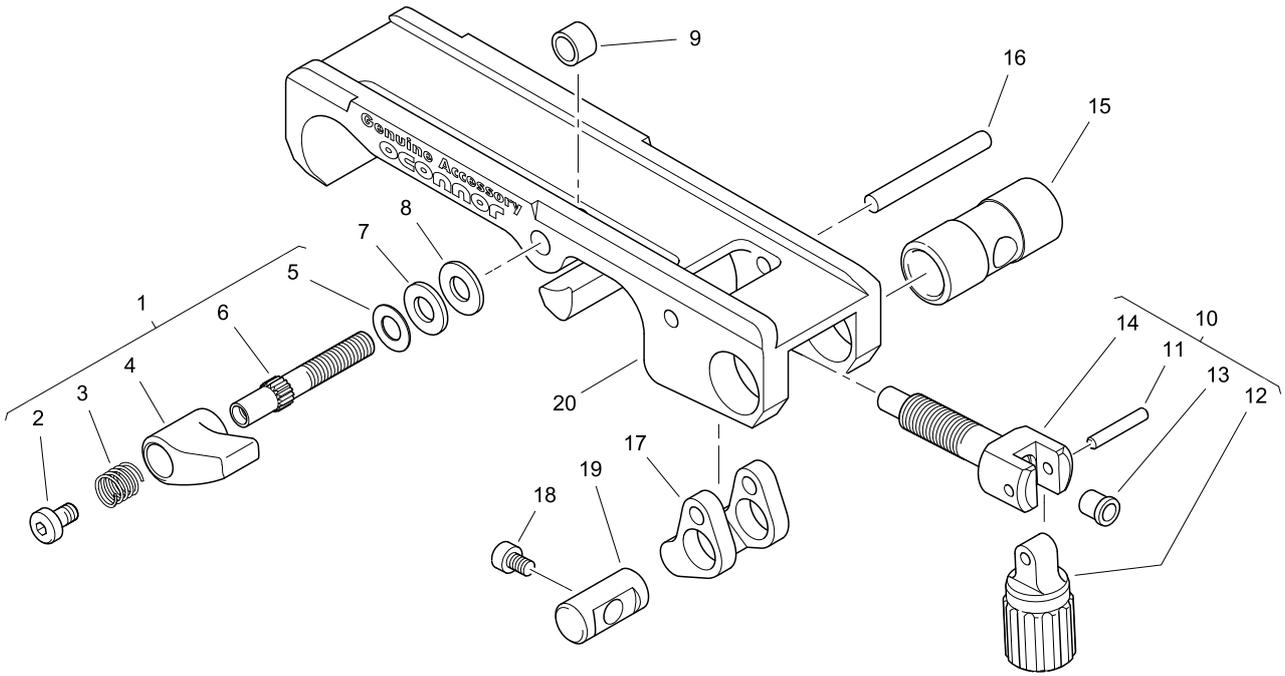
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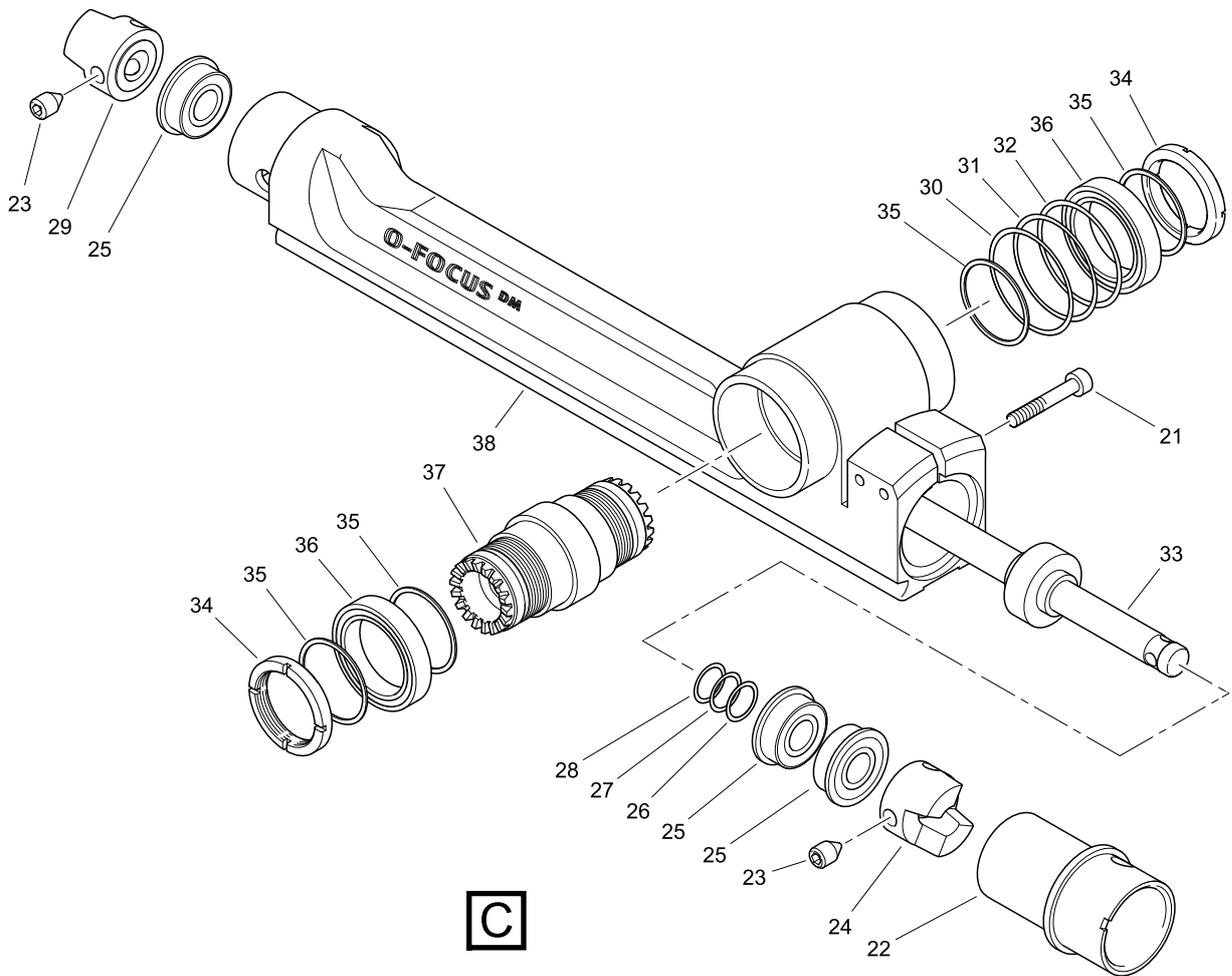
## Standard Parts List

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
<b>Main Bridge and LWS Rod Bridge</b>							
Fig 3.0							
1	C1241-1420	Lock lever		0000/-		1	PCS
2	M004-724	Screw, low-profile, cap head, socket	M3 x 5mm long, stainless steel, din 7984	0000/-		1	PCS
3	K532-040	Spring, compression	7.94mm free length, 5.33mm OD x 5.56mm hole dia. x 4.18mm ID, 1.51n/mm rate	0000/-		1	PCS
4	C1241-2422	Lever		0000/-		1	PCS
5	C1241-2423	Spacer	8 x 4.2 x 0.3 mm	0000/-		1	PCS
6	C1241-2421	Stud	Hex, 18.8	0000/-		1	PCS
7	95-040-0110	Washer, plain, s/s	M4	0000/-		1	PCS
8	M602-025	Shim	26 x 37 x 0.5 (S76840)	0000/-		1	PCS
9	C1241-2542	Stopper		0000/-		1	PCS
10	C1241-1301	Screw, clamp		0000/-		1	PCS
11	M801-035	Dowel pin	2 mm dia. x 12 mm long	0000/-		1	PCS
12	C1241-2308	Flip lever		0000/-		1	PCS
13	K554-005	Spring, plunger, ball	4mm dia., press in type	0000/-		1	PCS
14	C1241-2309	Clamp bolt		0000/-		1	PCS
15	C1241-2304	Threaded piece		0000/-		1	PCS
16	M801-077	Dowel pin	3mm dia. x 26mm long	0000/-		1	PCS
17	C1241-2302	Clamp		0000/-		1	PCS
18	M003-706	Screw, cap head, socket	M2.5 x 4 mm long, stainless steel	0000/-		1	PCS
19	C1241-2303	Pressure piece		0000/-		1	PCS
20	C1241-2541	LWS bridge		0000/-		1	PCS
21	NSS	Screw, cap head, socket	M2.5 x 16 mm long, stainless steel, din912	0000/-	C2142-1902, C2142-1907	2	PCS
22	NSS	Eccentric O-Focus DM		0000/-	C2142-1901	1	PCS
23	NSS	Screw, cone		0000/-	C2142-1901	2	PCS
24	NSS	Acc coupling		0000/-	C2142-1901	1	PCS
25	NSS	Bearing, ball, flanged	6 mm ID x 13 mm OD x 5 mm long	0000/-	C2142-1901	3	PCS
26	NSS	Spacer	7.8 x 6.2 x 0.1 mm	0000/-	C2142-1901	1	PCS
27	NSS	Spacer	7.8 x 6.2 x 0.02 mm	0000/-	C2142-1901	1	PCS
28	NSS	Spacer	7.8 x 6.2 x 0.05 mm	0000/-	C2142-1901	1	PCS
29	NSS	Main bridge		0000/-	C2142-1902, C2142-1907	1	PCS
30	NSS	Spacer	19.05 x 20.95 x 0.025	0000/-	C2142-1902, C2142-1907	1	PCS
31	NSS	Spacer	19.05 x 20.95 x 0.05	0000/-	C2142-1902, C2142-1907	1	PCS
32	NSS	Spacer	19.05 x 20.95 x 0.1	0000/-	C2142-1902, C2142-1907	1	PCS
33	NSS	Input shaft, Z19		0000/-	C2142-1901	1	PCS
34	NSS	Nut	M15 x 0.5	0000/-	C2142-1907	2	PCS
35	NSS	Spacer	15.1 x 16.8 x 0.4	0000/-	C2142-1903, C2142-1907	4	PCS
36	NSS	Bearing, ball	15 mm ID x 21 mm OD x 4 mm long	0000/-	C2142-1903, C2142-1907	2	PCS
37	NSS	Output gear	Z25-M0.5	0000/-	C2142-1903, C2142-1907	1	PCS
38	NSS	O-Focus DM main bridge		0000/-	C2142-1902, C2142-1907	1	PCS
NI	Z150-105	Lubricant, grease	Rocol, foodlub high-temp				

Standard Parts List



**B**



**C**

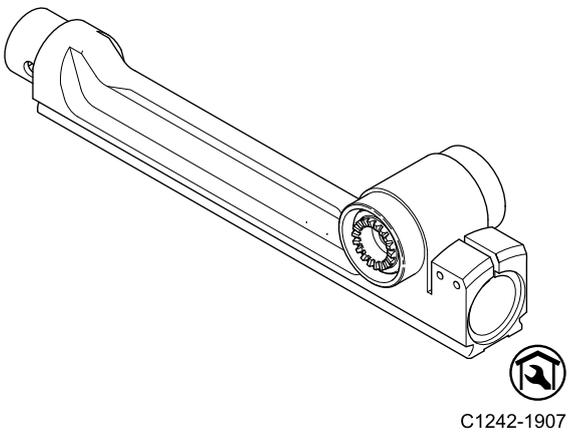
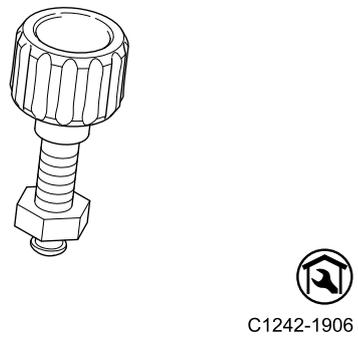
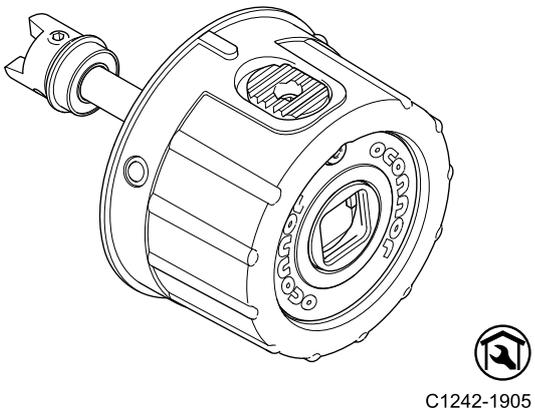
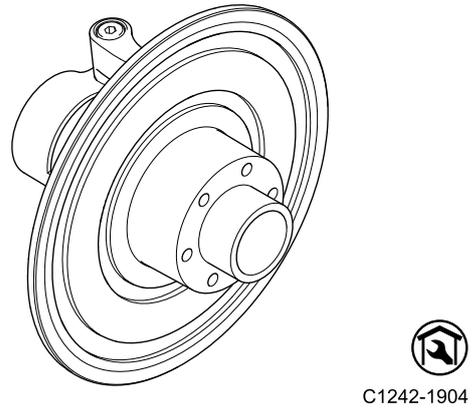
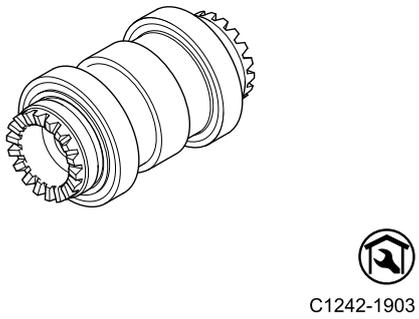
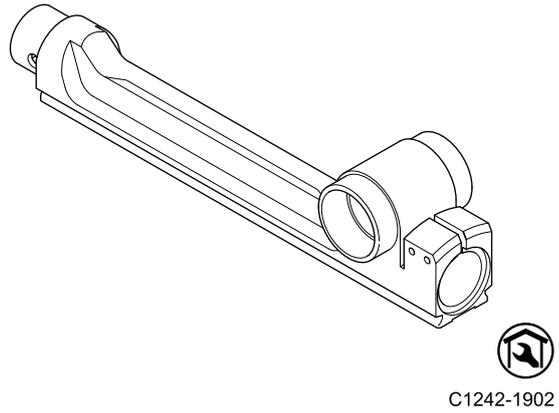
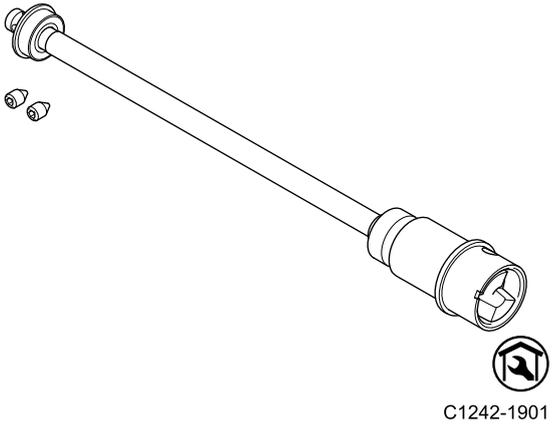
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**Standard Parts List**

Item	Part No.	Part Name	Technical Data	Serial No.	Kit Number	Qty	Unit
NI	Z002-115	Adhesive, threadlock	Loctite 243				
NI	Z002-075	Adhesive, screw locking	Loctite 222				

Spares Kit List

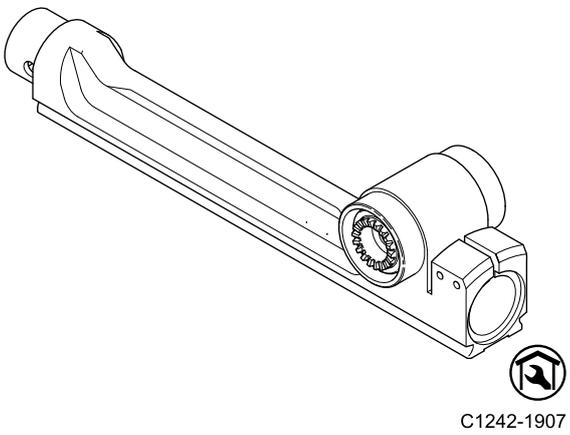
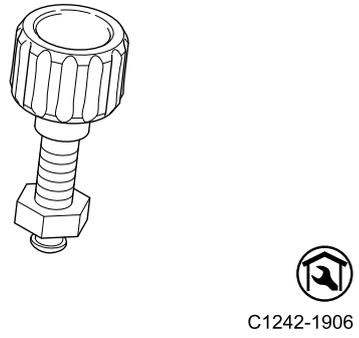
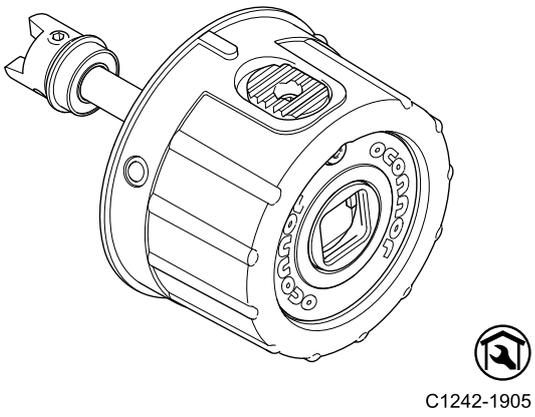
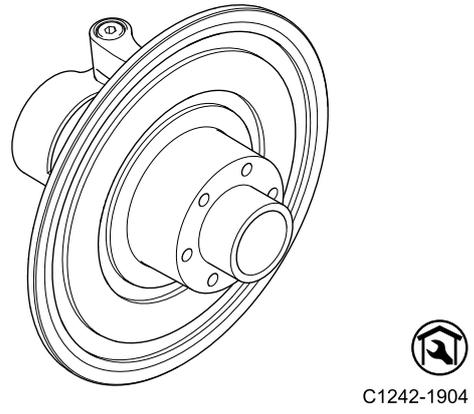
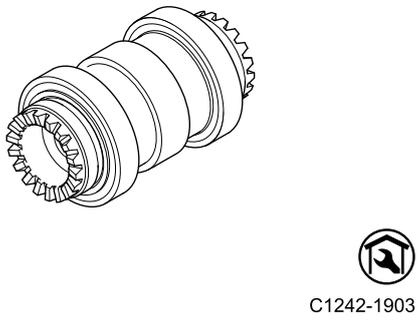
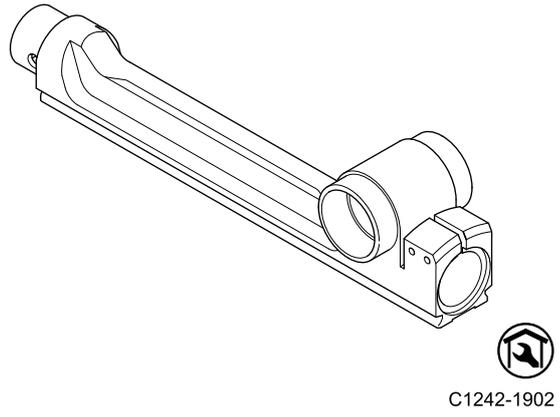
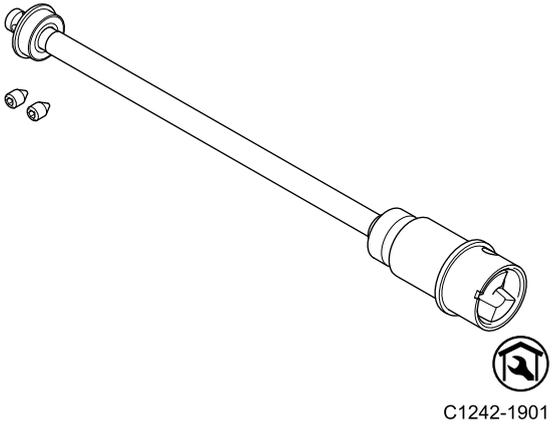


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## Spares Kit List

Kit No.	Kit/Part Name	Technical Data	Serial No.	Qty	Unit
<b>C1242-1901</b>	<b>Input Preassy</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	Input shaft, Z19		0000/-	1	PCS
NSS	Bearing, ball, flanged	6 mm ID x 13 mm OD x 5 mm long	0000/-	3	PCS
NSS	Acc coupling		0000/-	1	PCS
NSS	Eccentric O-Focus DM		0000/-	1	PCS
NSS	Screw, cone		0000/-	4	PCS
NSS	Spacer	7.8 x 6.2 x 0.1 mm	0000/-	1	PCS
NSS	Spacer	7.8 x 6.2 x 0.05 mm	0000/-	1	PCS
NSS	Spacer	7.8 x 6.2 x 0.02 mm	0000/-	1	PCS
<b>C1242-1902</b>	<b>Main Bridge</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	O-Focus DM main bridge		0000/-	1	PCS
NSS	Spacer	19.05 x 20.95 x 0.1	0000/-	2	PCS
NSS	Spacer	19.05 x 20.95 x 0.05	0000/-	2	PCS
NSS	Spacer	19.05 x 20.95 x 0.025	0000/-	2	PCS
NSS	Screw, cap head, socket	M2.5 x 16 mm long, stainless steel, din912	0000/-	2	PCS
<b>C1242-1903</b>	<b>Output Gear</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	Output gear	Z25-M0.5	0000/-	1	PCS
NSS	Spacer	19.05 x 20.95 x 0.1	0000/-	2	PCS
NSS	Spacer	19.05 x 20.95 x 0.05	0000/-	2	PCS
NSS	Spacer	19.05 x 20.95 x 0.025	0000/-	2	PCS
NSS	Bearing, ball	15 mm ID x 21 mm OD x 4 mm long	0000/-	2	PCS
NSS	Spacer	15.1 x 16.8 x 0.4	0000/-	2	PCS
<b>C1242-1904</b>	<b>Shaft Housing</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	Shaft housing		0000/-	1	PCS
NSS	Lock lever, RH, short assembly		0000/-	1	PCS
NSS	Lever		0000/-	1	PCS
NSS	Stud	13.3	0000/-	1	PCS
NSS	Screw, low-profile, cap head, socket	M3 x 5mm long, stainless steel, din 7984	0000/-	1	PCS
NSS	Spring, compression	7.94mm free length, 5.33mm OD x 5.56mm hole dia. x 4.18mm ID, 1.51n/mm rate	0000/-	1	PCS
NSS	Spacer	8 x 4.2 x 0.3 mm	0000/-	1	PCS
<b>C1242-1905</b>	<b>Handwheel</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	Handwheel, small, and badge assembly		0000/-	1	PCS
NSS	Handwheel, small, overmoulded		0000/-	1	PCS
NSS	OConnor logo ring, small		0000/-	1	PCS
NSS	Handwheel cover plate		0000/-	1	PCS
NSS	Switch		0000/-	1	PCS
NSS	Plunger		0000/-	1	PCS
NSS	Self-Tapping Screw (Ejot PT)	35 x 12 mm long	0000/-	3	PCS
NSS	Spring, plunger, ball	5mm dia., press in type	0000/-	3	PCS

Spares Kit List



C1242-0001-901-1

## Spares Kit List

Kit No.	Kit/Part Name	Technical Data	Serial No.	Qty	Unit
NSS	Screw, cap head, socket	M2.5 x 6 mm long, stainless steel, din912	0000/-	1	PCS
NSS	Thrust Piece		0000/-	2	PCS
NSS	Bearing, ball, flanged	7 mm ID x 14 mm OD x 5 mm long	0000/-	2	PCS
NSS	Acc Coupling L		0000/-	1	PCS
NSS	Screw, cone		0000/-	2	PCS
NSS	Spacer	7.8 x 6.2 x 0.1 mm	0000/-	1	PCS
NSS	Washer, wave	6.17mm ID x 7.75mm OD	0000/-	3	PCS
NSS	Spacer	8.8 x 7.2 x 0.1 mm	0000/-	1	PCS
<b>C1242-1906</b>	<b>Clamp Screw</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	Clamp screw		0000/-	1	PCS
NSS	Nut, M4, standard (hex), lock		0000/-	1	PCS
NSS	Screw, pan head, pozidrive	M2 x 6 mm long	0000/-	1	PCS
<b>C1242-1907</b>	<b>Main Bridge and Output</b>		<b>0000/-</b>		<b>PCS</b>
	<b>Comprising:</b>				
NSS	O-Focus DM main bridge		0000/-	1	PCS
NSS	Bearing, ball	15 mm ID x 21 mm OD x 4 mm long	0000/-	2	PCS
NSS	Output gear	Z25-M0.5	0000/-	1	PCS
NSS	Spacer	15.1 x 16.8 x 0.4	0000/-	4	PCS
NSS	Spacer	19.05 x 20.95 x 0.1	0000/-	1	PCS
NSS	Spacer	19.05 x 20.95 x 0.05	0000/-	1	PCS
NSS	Spacer	19.05 x 20.95 x 0.025	0000/-	1	PCS
NSS	Nut	M15 x 0.5	0000/-	2	PCS
NSS	Screw, cap head, socket	M2.5 x 16 mm long, stainless steel, din912	0000/-	2	PCS

# O-Focus DM Photo Set C1242-0001

## **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