

Chapter 7 Related Documents

7.1 Development Views, Assembly Sectional Views

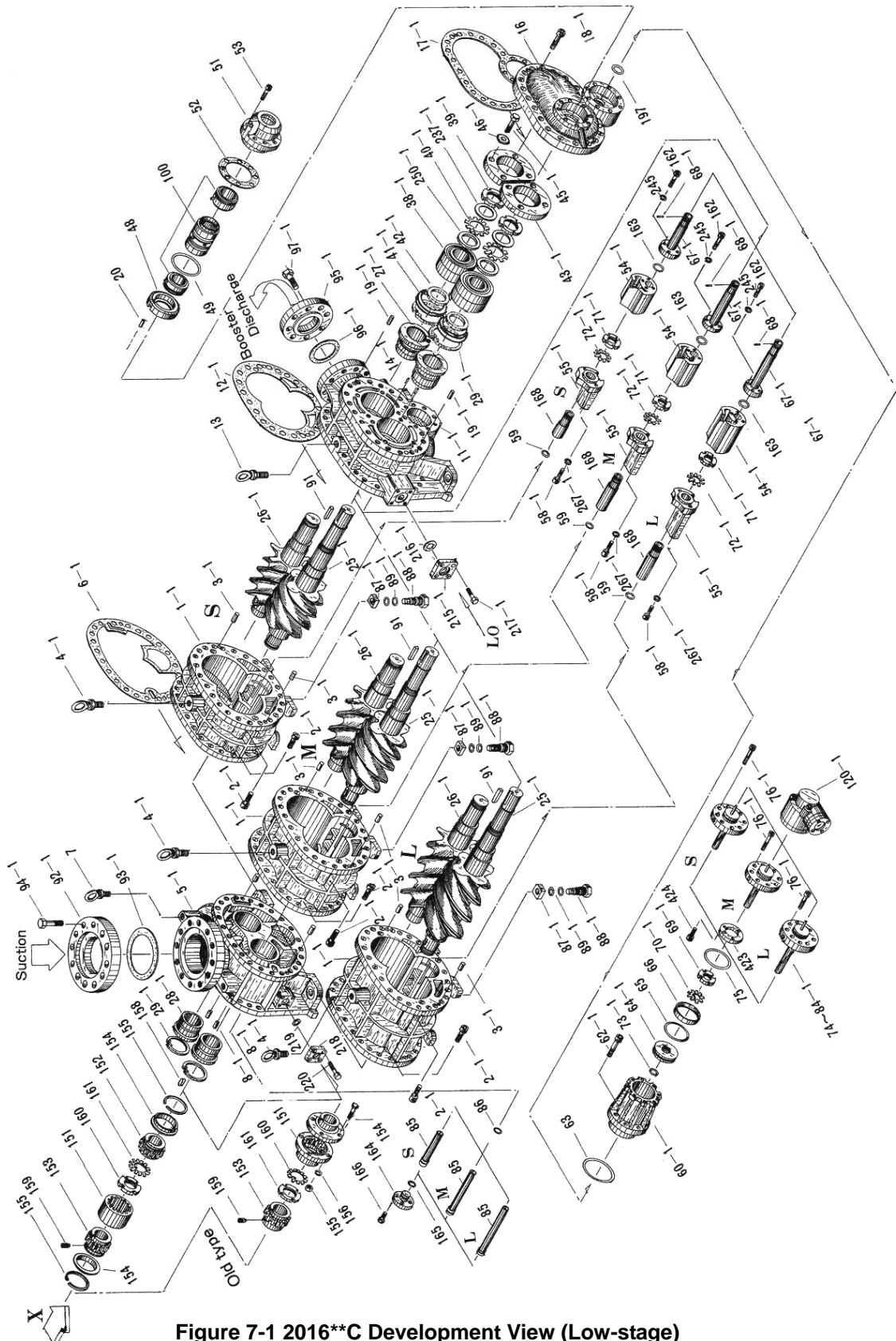


Figure 7-1 2016**C Development View (Low-stage)

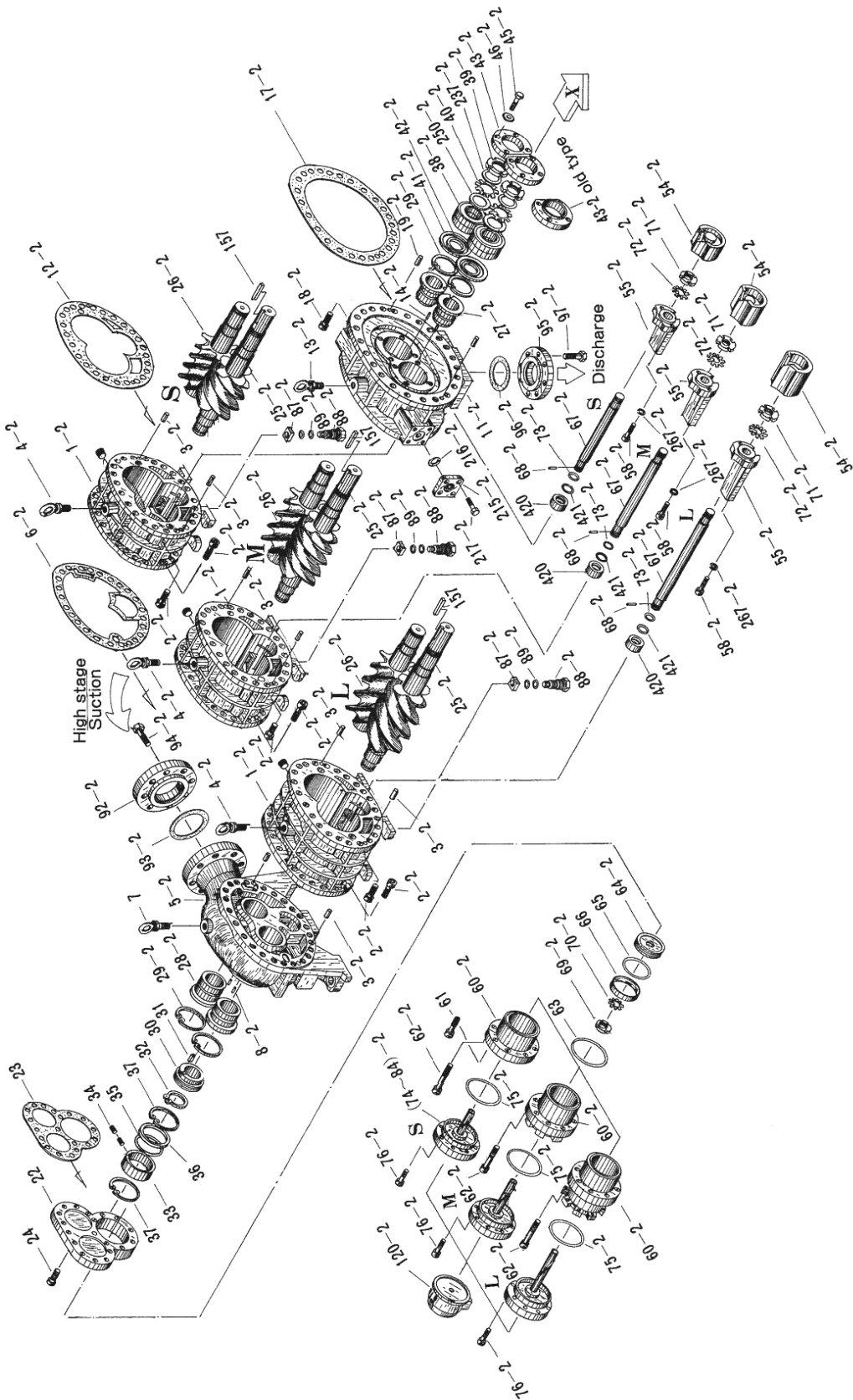


Figure 7-2 2016**C Development View (High-stage)

7.2 Parts Configuration Table

Table 7-1 Parts Configuration Table

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
1-1	Main Rotor Casing (1)	CS00100-200L	200L**	1	1	1	-	-	-
1-1	Main Rotor Casing (1)	CS00100-200M	200M**	-	-	-	1	1	-
1-1	Main Rotor Casing (1)	CS00100-200S	200S**	-	-	-	-	-	1
1-2	Main Rotor Casing (2)	CS00100-160L	160L**	1	-	-	-	-	-
1-2	Main Rotor Casing (2)	CS00100-160M	160M**	-	1	-	1	-	-
1-2	Main Rotor Casing (2)	CS00100-160S	160S**	-	-	1	-	1	1
2-1	Hexagon Socket Head Cap Screw	NB35416-050	M16×50	50	50	50	50	50	50
2-2	Hexagon Socket Head Cap Screw	NB35412-040	M12×40	52	52	52	52	52	52
3-1	Alignment Pin	NE2016-055	Φ16×55	4	4	4	4	4	4
3-2	Alignment Pin	NE2013-040	Φ13×40	4	4	4	4	4	4
4-1	Eye Bolt	NB600-020	M20	1	1	1	1	1	1
4-2	Eye Bolt	NB600-016	M16	1	1	1	1	1	1
5-1	Suction Cover (1)	CS00500-2016C1	2016**C	1	1	1	1	1	1
5-2	Suction Cover (2)	CS00500-2016C2	2016**C	1	1	1	1	1	1
6-1	Gasket, Suction Cover (1)	CS00600-200N	200***	1	1	1	1	1	1
6-2	Gasket, Suction Cover (2)	CS00600-160N	160***	1	1	1	1	1	1
7	Eye Bolt	NB600-012	M12	2	2	2	2	2	2
8-1	Spring Pin (1)	NE3206-012	Φ6×12	2	2	2	2	2	2
8-2	Spring Pin (2)	NE3204-010	Φ4×10	2	2	2	2	2	2
9	O-ring	PA11-030	JIS B 2401 P30	1	1	1	1	1	1
10-1A	Plug	NF06-010	R3/8	1	1	1	1	1	1
10-1B	Plug	NF06-015	R1/2	1	1	1	1	1	1
10-2A	Plug	NF06-008	R1/4	1	1	1	1	1	1
10-2B	Plug	NF06-008	R1/4	1	1	1	1	1	1
10-2C	Plug	NF06-010	R3/8	1	1	1	1	1	1
11-1	Bearing Head (1)	CS01100-2016C1	2016**C	1	1	1	1	1	1
11-2	Bearing Head (2)	CS01100-2016C2	2016**C	1	1	1	1	1	1
12-1	Gasket, Bearing Head (1)	CS01200-200N	200***	1	1	1	1	1	1
12-2	Gasket, Bearing Head (2)	CS01200-160N	160***	1	1	1	1	1	1
13	Eye Bolt	NB600-024	M24	2	2	2	2	2	2
14-1	Spring Pin	NE320G-012	Φ6×12	2	2	2	2	2	2
14-2	Spring Pin	NE3204-010	Φ4×10	2	2	2	2	2	2
15-1A	Plug	NF06-015	R1/2	1	1	1	1	1	1
15-1B	Plug	NF06-010	R3/8	1	1	1	1	1	1
16	Bearing Cover	CS01600-2016C	2016**C	1	1	1	1	1	1
17-1	Gasket, Bearing Cover (1)	CS01700-2016C1N	2016**C	1	1	1	1	1	1
17-2	Gasket, Bearing Cover (2)	CS01700-2016C2N	2016**C	1	1	1	1	1	1
18-1	Hexagon Socket Head Cap Screw	NB35416-050	M16×50	18	18	18	18	18	18
18-2	Hexagon Socket Head Cap Screw	NB35416-055	M16×55	25	25	25	25	25	25

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
19-1	Alignment Pin	NE2010-050	Φ10×50	2	2	2	2	2	2
19-2	Alignment Pin	NE2016-055	Φ16×55	2	2	2	2	2	2
20	Spring Pin	NE3203-010	Φ3×10	1	1	1	1	1	1
21	Plug	NF06-004	R1/8	1	1	1	1	1	1
22	Balance Piston Cover	CS02202-160VD	160***	1	1	1	1	1	1
23	Gasket, Balance Piston Cover	CS02300-160N	160***	1	1	1	1	1	1
24	Hexagon Socket Head Cap Screw	NB35410-025	M10×25	11	11	11	1	11	11
25-1	Male Rotor (1)	CS02520-2016LC1	2016L*C	1	1	1	-	-	-
26-1	Female Rotor (1)			-	-	-	-	-	-
25-1	Male Rotor (1)	CS02520-2016MC1	2016M*C	-	-	-	1	1	-
26-1	Female Rotor (1)			-	-	-	-	-	-
25-1	Male Rotor (1)	CS02520-2016SC1	2016S*C	-	-	-	-	-	1
26-1	Female Rotor (1)			-	-	-	-	-	-
25-2	Male Rotor (2)	CS02520-2016LC2	2016*LC	1	-	-	-	-	-
26-2	Female Rotor (2)			-	-	-	-	-	-
25-2	Male Rotor (2)	CS02520-2016MC2	2016*MC	-	1	-	1	-	-
26-2	Female Rotor (2)			-	-	-	-	-	-
25-2	Male Rotor (2)	CS02520-2016SC2	2016*SC	-	-	1	-	1	1-
26-2	Female Rotor (2)			-	-	-	-	-	-
27-1	Main bearing (1)	CS0270-ERT	200***	2	2	2	2	2	2
27-2	Main bearing (2)	CS0270-DRT	160***	2	2	2	2	2	2
28-1	Side bearing (1)	CS0280-ERT	200***	2	2	2	2	2	2
28-2	Side bearing (2)	CS0280-DRT	160***	2	2	2	2	2	2
29-1	Stop Ring (1)	NG11-130	H130	4	4	4	4	4	4
29-2	Stop Ring (2)	NG11-102	H102	4	4	4	4	4	4
30	Balance Piston	CS03000-160	160***	1	1	1	1	1	1
31	Key, Balance Piston	CS03100-160	160***	1	1	1	1	1	1
32	Stop Ring	NG12-050	S50	1	1	1	1	1	1
33	Sleeve, Balance Piston	CS03300-160	160***	1	1	1	1	1	1
34	Set Screw	NA83606-015	M6×15	2	2	2	2	2	2
35	O-ring	PA12-095	JIS B 2401 G95	1	1	1	1	1	1
36	Spacer, O-ring	CS03600-160	160***	1	1	1	1	1	1
37	Stop Ring	NG11-102	H102	2	2	2	2	2	2
38-1	Thrust Bearing (1)	CS03800-200P	7313B	2	2	2	2	2	2
38-2	Thrust Bearing (2)	CS03800-160P	7212B	2	2	2	2	2	2
39-1	Lock Nut (1)	NG31-013	AN13	2	2	2	2	2	2
39-2	Lock Nut (2)	NG31-012	AN12	2	2	2	2	2	2
40-1	Lock Washer (1)	NG32-013	AW13	2	2	2	2	2	2
40-2	Lock Washer (2)	NG32-012	AW12	2	2	2	2	2	2
41-1	Spacer, Thrust Bearing (1)	CS04100-200	200***	2	2	2	2	2	2
41-2	Spacer, Thrust Bearing (2)	CS04100-160	160***	2	2	2	2	2	2
42-1	Spacer, Thrust Alignment (1)	CS04200B200	200***	2	2	2	2	2	2
42-2	Spacer, Thrust Alignment (2)	CS04200-160	160***	2	2	2	2	2	2

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
43-1	Thrust Bearing Gland (1)	CS04300-200S	200***	2	2	2	2	2	2
43-2	Thrust Bearing Gland (2)	CS043002016C2B	2016**C	2	2	2	2	2	2
45-1	Hexagon Head Bolt	NB111012-035	M12×35	8	8	8	8	8	8
45-2	Hexagon Head Bolt	NB111010-030	M10×30	8	8	8	8	8	8
46-1	Lock Washer (1)	ND150-012	200***	8	8	8	8	8	8
46-2	Lock Washer (2)	ND150-010	160***	8	8	8	8	8	8
48	Retainer, Oil Seal	CS04800-200VDS	200***	1	1	1	1	1	1
49	O-ring	PA12-115	JIS B 2401 G115	1	1	1	1	1	1
50	Oil Seal	CS05010-200VD	SA1J 65×85×12	1	1	1	1	1	1
51	Seal Cover	CS05100-200	200***	1	1	1	1	1	1
52	Gasket, Seal Cover	CS05200-200N	200***	1	1	1	1	1	1
53	Hexagon Socket Head Cap Screw	NB35410-025	M10×25	8	8	8	8	8	8
54-1	Unloader Slide Valve (1-1) (L port)	CS05400-2016****	2016LSC	1	1	1	-	-	-
54-1	Unloader Slide Valve (1-1) (M port)		2016LSC	1	1	1	-	-	-
54-1	Unloader Slide Valve (1-1) (L port)		2016MSC	-	-	-	1	1	-
54-1	Unloader Slide Valve (1-1) (M port)		2016MSC	-	-	-	1	1	-
54-1	Unloader Slide Valve (1-1) (L port)		2016SSC	-	-	-	-	-	1
54-1	Unloader Slide Valve (1-1) (M port)		2016SSC	-	-	-	-	-	1
54-2	Unloader Slide Valve (1-2) (L port)		2016*SC	-	-	1	-	1	1
54-2	Unloader Slide Valve (1-2) (M port)		2016*SC	-	-	1	-	1	1
54-2	Unloader Slide Valve (1-2) (H port)		2016MSC	-	-	-	-	1	-
54-2	Unloader Slide Valve (1-2) (L port)		2016LLC	1	-	-	-	-	-
54-2	Unloader Slide Valve (1-2) (M port)		2016*LC	1	-	-	-	-	-
54-2	Unloader Slide Valve (1-2) (L port)		2016LMC	-	1	-	1	-	-
54-2	Unloader Slide Valve (1-2) (M port)		2016*MC	-	1	-	1	-	-
55-1	Unloader Slide Valve (2-1)		200L**	1	1	1	-	-	-
55-1	Unloader Slide Valve (2-1)		200M**	-	-	-	1	1	-
55-1	Unloader Slide Valve (2-1)		200S**	-	-	-	-	-	1
55-2	Unloader Slide Valve (2-2)		160L**	1	-	-	-	-	-
55-2	Unloader Slide Valve (2-2)		160M**	-	1	-	1	-	-
55-2	Unloader Slide Valve (2-2)		160S**	-	-	1	-	1	1
58-1	Hexagon Socket Head Cap Screw	NB35410-030	M10×30	4	4	4	4	4	4
58-2	Hexagon Socket Head Cap Screw	NB35408-025	M8×25	4	4	4	4	4	4
59	O-ring	PA11-020	JIS B 2401 P20	1	1	1	1	1	1
60-1	Unloader Cylinder	CS06000-2016C	2016LSC	1	1	1	1	1	1

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
60-2	Unloader Cylinder	CS06000-160L	160L**	1	-	-	-	-	-
60-2	Unloader Cylinder	CS06000-160M	160M**	-	1	-	1	-	-
60-2	Unloader Cylinder	CS06000-160S	160S**	-	-	1	-	1	1
61	Hexagon Socket Head Cap Screw	NB35410-025	M10×25	2	2	2	2	2	2
62-1	Hexagon Socket Head Cap Screw	NB35410-110	M10×110	8	8	8	8	8	8
62-2	Hexagon Socket Head Cap Screw	NB35410-065	M10×65	6	6	6	6	6	6
63	O-ring	PA12-125	JIS B 2401 G125	2	2	2	2	2	2
64-1	Unloader Piston (1)	CS06400-2016T	2016LSC	1	1	1	1	1	1
64-2	Unloader Piston (2)	CS06400-160T	160***	1	1	1	1	1	1
65	O-ring	PA11-100	JIS B 2401 P100	2	2	2	2	2	2
66	Cap Seal	CS06600-160	BE100	2	2	2	2	2	2
67-1	Push Rod, Unloader Slide Valve (1)	CS06700-2016C1	2016LSC	1	1	1	1	1	-
67-1	Push Rod, Unloader Slide Valve (1)	CS06700-2016SSC	2016SSC	-	-	-	-	-	1
67-2	Push Rod, Unloader Slide Valve (2)	CS06700-2016C2	2016LSC	-	-	1	-	1	1
67-2	Push Rod, Unloader Slide Valve (2)	CS06700-2016LLC	2016LLC	1	-	-	-	-	-
67-2	Push Rod, Unloader Slide Valve (2)	CS06700-2016LMC	2016LMC	-	1	-	1	-	-
68-1	Guide Pin	NE2505-012	Φ5×12	1	1	1	1	1	1
68-2	Guide Pin	NE2503-008	Φ3×8	1	1	1	1	1	1
69-1	Lock Nut (1)	NG31-007	AN07	1	1	1	1	1	1
69-2	Lock Nut (2)	NG31-005	AN05	1	1	1	1	1	1
70-1	Lock Washer (1)	NG32-007	AW07	1	1	1	1	1	1
70-2	Lock Washer (2)	NG32-005	AW05	1	1	1	1	1	1
71-1	Lock Nut (1)	NG31-007	AN07	1	1	1	1	1	1
71-2	Lock Nut (2)	NG31-005	AN05	1	1	1	1	1	1
72-1	Lock Washer (1)	NG32-007	AW07	1	1	1	1	1	1
72-2	Lock Washer (2)	NG32-005	AW05	1	1	1	1	1	1
73-1	O-ring	PA12-030	JIS B 2401 G30	1	1	1	1	1	1
73-2	O-ring	PA11-021	JIS B 2401 P21	1	1	1	1	1	1
74-1	Unloader Cover (1)	CS07400-2016S	2016LSC	1	1	1	-	-	1
74-1	Unloader Cover (1)	CS07400-2016MSC	2016MSC	-	-	-	1	1	-
74-2	Unloader Cover (2)	CS07400-160S	160***	1	1	1	1	1	1
75	O-ring	PA12-110	JIS B 2401 G110	2	2	2	2	2	2
76-1	Hexagon Socket Head Cap Screw	NB35408-030	M8×30	8	8	8	8	8	8
76-2	Hexagon Socket Head Cap Screw	NB35408-025	M8×25	8	8	8	8	8	8
77-1	Indicator Cam (1)	CS07700-2016C	2016LSC	1	1	1	-	-	-
77-1	Indicator Cam (1)	CS07700-2016MSC	2016MSC	-	-	-	1	1	-
77-1	Indicator Cam (1)	CS07700-2016SSC	2016SSC	-	-	-	-	-	1
77-2	Indicator Cam (2)	CS07700-160L	160L**	1	-	-	-	-	-
77-2	Indicator Cam (2)	CS07700-160M	160M**	-	1	-	1	-	-
77-2	Indicator Cam (2)	CS07700-160S	160S**	-	-	1	-	1	1
78	Ball Bearing	CS07800-200	#6000	2	2	2	2	2	2

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
79	Stop Ring	NG12-010	S10	2	2	2	2	2	2
80	Bearing Gland	CS08000-200	200***	2	2	2	2	2	2
81	Hexagon Socket Head Cap Screw	NB35406-015	M6×15	6	6	6	6	6	6
82	V-ring	CS08200-200B	20×10×12	2	2	2	2	2	2
83	Spring	CS08300-200	200***	2	2	2	2	2	2
84	Retainer, Indicator Cam Spring	CS08400-200	200***	2	2	2	2	2	2
85	Oil Injection Pipe	CS08500-200LUK	200LU*	1	1	1	-	-	-
85	Oil Injection Pipe	CS08500-2016MSC	2016MSC	-	-	-	1	1	-
85	Oil Injection Pipe	CS08500-2016SSK	2016SSC	-	-	-	-	-	1
86	O-ring	PA11-021	JIS B 2401 P21	1	1	1	1	1	1
87-1	Guide Block (1)	CS08700-200	200***	1	1	1	1	1	1
87-2	Guide Block (2)	CS08700-160	160***	1	1	1	1	1	1
88-1	Stem, Guide Block (1)		200&250***	1	1	1	1	1	1
88-2	Stem, Guide Block (2)		160***	1	1	1	1	1	1
89-1	O-ring	PA11-020	JIS B 2401 P20	2	2	2	2	2	2
89-2	O-ring	PA11-016	JIS B 2401 P16	2	2	2	2	2	2
91	Shaft key (1)	CS09100-200	200***	1	1	1	1	1	1
92-1	Suction Flange (1)	CS71300-150	JIS 20K 150A(6")	1	1	1	1	1	1
92-2	Suction Flange (2)	CS71300-100	JIS 20K 100A(4")	1	1	1	1	1	1
93-1	Gasket, Suction Flange (1)	CS71200-150N	JIS 20K 150A(6")	1	1	1	1	1	1
93-2	Gasket, Suction Flange (2)	CS71200-100N	JIS 20K 100A(4")	1	1	1	1	1	1
94-1	Hexagon Head Bolt	NB12022-055	M22×55	12	12	12	12	12	12
94-2	Hexagon Head Bolt	NB12020-055	M20×55	8	8	8	8	8	8
95-1	Discharge Flange (1)	CS71300-100	JIS 20K 100A(4")	1	1	1	1	1	1
95-2	Discharge Flange (2)	CS71300-080	JIS 20K 80A(3")	1	1	1	1	1	1
96-1	Gasket, Discharge Flange (1)	CS71200-100N	JIS 20K 100A(4")	1	1	1	1	1	1
96-2	Gasket, Discharge Flange (2)	CS71200-080N	JIS 20K 80A(3")	1	1	1	1	1	1
97-1	Hexagon Head Bolt	NB12020-055	M20×55	8	8	8	8	8	8
97-2	Hexagon Head Bolt	NB12020-055	M20×55	8	8	8	8	8	8
100	Mechanical Seal Assembly (BBSE)	CS10002-200EBS	BBS-E	1	1	1	1	1	1
120-1	Unloader Indicator Assembly (1)	CS12000-1612F	1612LSC	1	1	1	1	1	1
120-2	Unloader Indicator Assembly (2)	CS12000-200F	200*** 20-100 %	1	1	1	1	1	1
151	Driven Sleeve	CS15100-2016		1	1	1	1	1	1
152	Drive Hub			1	1	1	1	1	1
153	Driven Hub			1	1	1	1	1	1
154	Stopper, Driven Sleeve	CS15400-2016C		2	2	2	2	2	2
155	Stop Ring		FRS-90	4	4	4	4	4	4
157	Key, Driven Hub	CS15700-2016C		1	1	1	1	1	1
158	Key, Drive Hub	CS15800-2016C		1	1	1	1	1	1
159	Set Screw	NA83608-015	M8×15 knurled with anti-loosening	1	1	1	1	1	1
160	Lock Nut	NG31-010	AN10	1	1	1	1	1	1
161	Lock Washer	NG32-010	AW10	1	1	1	1	1	1

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
162	Hexagon Socket Head Cap Screw	NB35406-045	M8×45	5	5	5	5	5	5
163	O-ring	PA12-025	JIS B 2401 G25	1	1	1	1	1	1
164	Retainer, Oil Injection Pipe	CS16400-2016C		1	1	1	1	1	1
165	O-ring	PA12-025	JIS B 2401 G25	1	1	1	1	1	1
166	Hexagon Socket Head Cap Screw	NB35408-030	M8×30	4	4	4	4	4	4
168	Pipe Guide, Oil Injection	CS16800-2016		1	1	1	1	1	1
197	O-ring	PA11-040	JIS B 2401 P40	1	1	1	1	1	1
215-1	Flange, Lubrication Oil Supply (1)	CS71300-025	JIS 20K 25A(1")	1	1	1	1	1	1
215-2	Flange, Lubrication Oil Supply (2)	CS71300-020	JIS 20K 20A(3/4")	1	1	1	1	1	1
216-1	Gasket, Lubrication Oil Supply Flange (1)	CS71200-025N	JIS 20K 25A	1	1	1	1	1	1
216-2	Gasket, Lubrication Oil Supply Flange (2)	CS71200-020N	JIS 20K 20A	1	1	1	1	1	1
217-1	Hexagon Head Bolt	NB111016-045	M16×45	4	4	4	4	4	4
217-2	Hexagon Head Bolt	NB111012-035	M12×35	4	4	4	4	4	4
218	Flange, Injection Oil Supply	CS71300-015	JIS 20K 15A(1/2")	1	1	1	1	1	1
219	Gasket, Injection Oil Supply Flange	CS71200-015N	JIS 20K 15A	1	1	1	1	1	1
220	Hexagon Head Bolt	NB111012-035	M12×35	4	4	4	4	4	4
237-1	Torsional Slip Washer (1)	CS23700-200	200***	2	2	2	2	2	2
237-2	Torsional Slip Washer (2)	CS23700-160	160***	2	2	2	2	2	2
245	Special Spring Washer for Hexagon Socket Head Cap Screw	ND330-08	M8	5	5	5	5	5	5
250-1	Thrust Washer (1)	CS25000-200	200***	2	2	2	2	2	2
250-2	Thrust Washer (2)	CS25000-160	160***	2	2	2	2	2	2
267-1	Special Spring Washer for Hexagon Socket Head Cap Screw	ND330-10	M10	4	4	4	4	4	4
267-2	Special Spring Washer for Hexagon Socket Head Cap Screw	ND330-08	M8	4	4	4	4	4	4
420	Unload Spacer	CS42000-160L20	For 2016*LC(2) 20 % load	1	-	-	-	-	-
420	Unload Spacer	CS42000-160M20	For 2016*MC(2) 20 % load	-	1	-	1	-	-
420	Unload Spacer	CS42000-160S20	For 2016*SC(2) 20 % load	-	-	1	-	1	1
421	O-ring	PA12-030	JIS B 2401 G30	-	-	1	-	1	1
421	O-ring	PA11-030	JIS B 2401 P30	2	2	-	1	-	-
423	Unload spacer		Used for MSC low-stage only.	-	-	-	1	1	-
424	Hexagon Socket Head Cap Screw	NB35406-020	M6×20 Note 1	-	-	-	3	3	-
432-1	O-ring	PA62-022	AS568A-244 (JIS W1516 G22)	4	4	4	4	4	4
432-2	O-ring	PA12085	JISB2401 1A G85	4	4	4	4	4	4
433-1	O-ring	PA62022	AS568A-244 (JIS W1516 G22)	4	4	4	4	4	4

P/N	Part name	Code No.	Remarks	Q'ty.					
				LLC	LMC	LSC	MMC	MSC	SSC
433-2	O-ring	PA12-085	JIS B 2401 G85	4	4	4	4	4	4
528	Sleeve, Oil Seal	CS52809-200VD	200V** with O-ring	1	1	1	1	1	1
529	Set Screw	NA83606-008	M6×8	2	2	2	2	2	2
605-1	Plug	NF06-008	R3/4	1	1	1	1	1	1
605-2	Plug	NF06-015	R1/2	1	1	1	1	1	1
607	Plug	NF06-004	R1/8	1	1	1	1	1	1
702	O-ring	PA12-100	JIS B 2401 G100 Note 1	-	-	-	1	1	-
744	O-ring	PA12-060	JISB2401 1A G60	1	1	1	1	1	1
-	O-ring Set	CS7109-0K	2016C NBR						
-	O-ring Set	CS7109-5K	2016C FPM						
-	Gasket Set	CS7118-0K	2016C						
-	Lock Nut and Washer Set	CS8009-K	2016C						

CAUTION

- The part code of the O-ring except for "O-ring set 2016C FKM" is the one assigned to NBR which is standard material. When the material of the O-ring is other than NBR, a different part code is used for each material.
If you are using O-rings made from other than the standard material, please contact MAYEKAWA when placing an order.

Note 1: The hexagon socket head cap screw (No. 424) is used to fasten the unload spacer (No. 423), which is for the exclusive use of the MSC low-stage, to the unloader cover (No. 74-1). In April 2007, this spacer and the explosion proof type unloader piston spacer were standardized according to the design change. As a result, the use of this part is discontinued. One piece of O-ring (No.702) (JIS B 2401 G100) is used instead of this part. According to this design change, the use of the MSC unloader cover (1) with bolt hole for spacer is also discontinued. The MSC unloader cover and the LSC unloader cover are shared/standardized.