

7 Related Documents

7.1 Development Views of the Parts Assembly /Cross-section Views

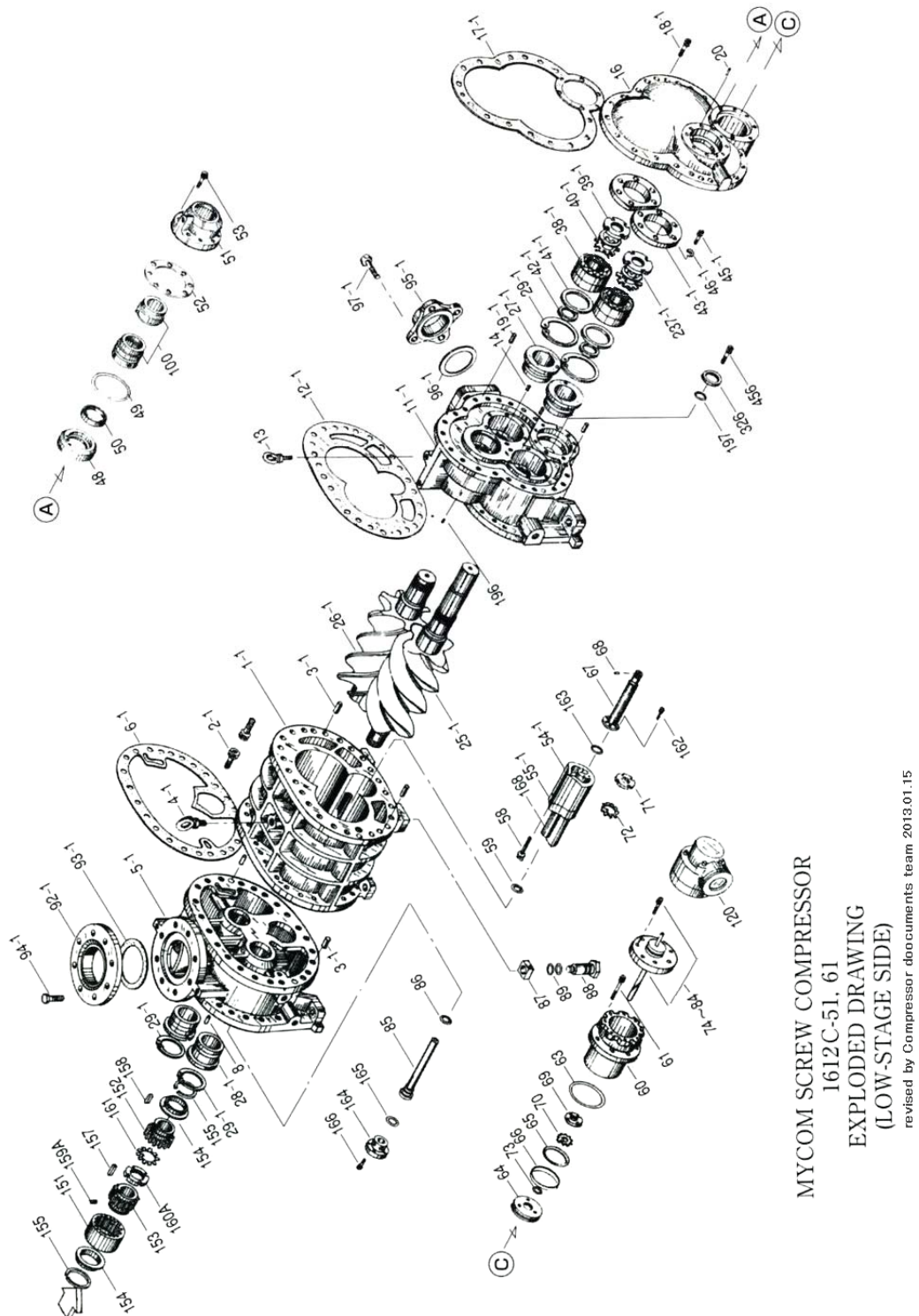


Figure 7-1 Development View of the Parts Assembly (Low-stage)

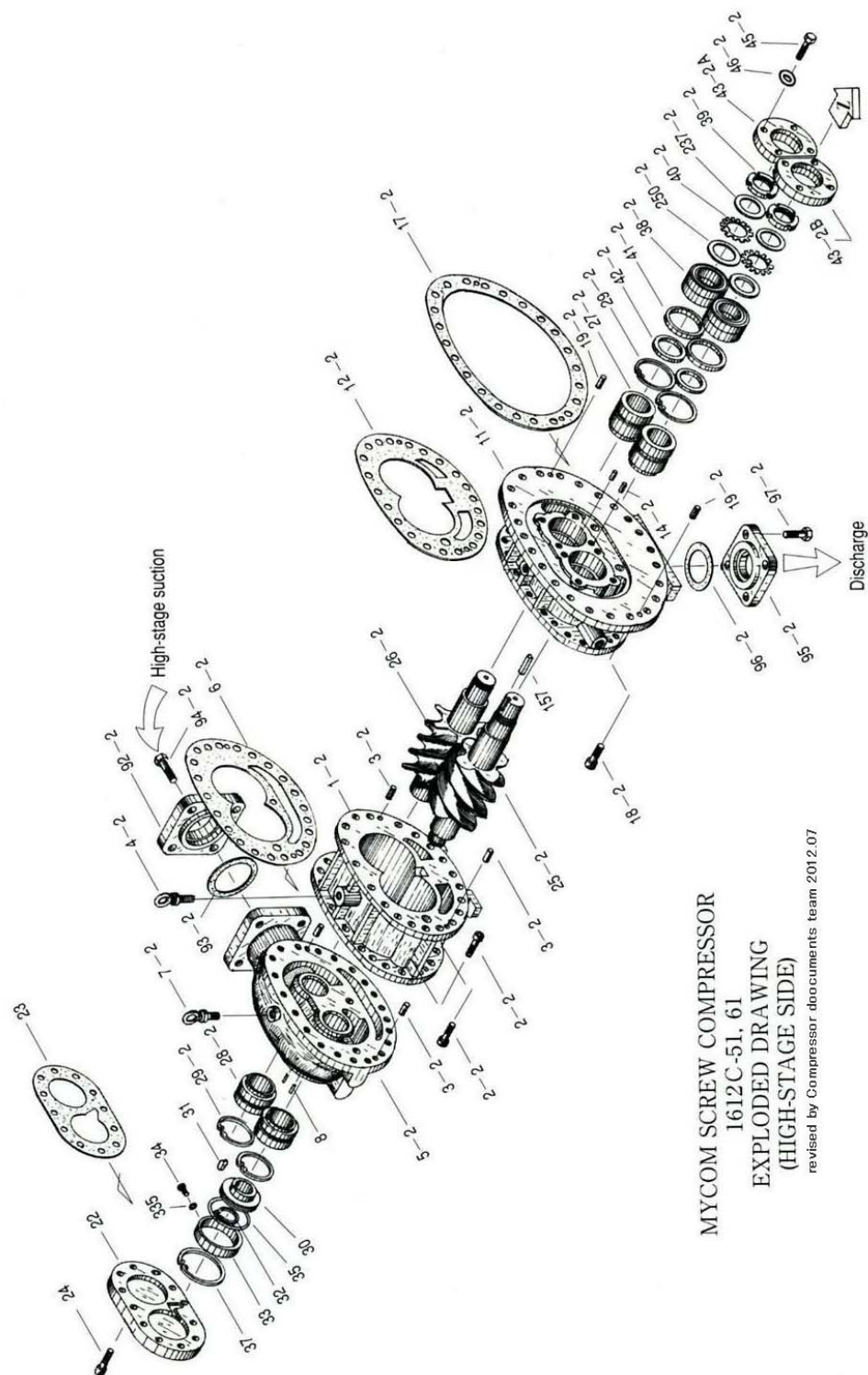


Figure 7-2 Development View of the Parts Assembly (High-stage)

7.2 Configuration Table of the Parts

Table 7-1 Configuration table of the parts of 1612**C

No.	Part Name	Code No.	Remarks	Quantity			
				LLC	LSC	MSC	SSC
1-1	Main Rotor Casing (1)	CS00100-160L	160L**	1	1	-	-
1-1	Main Rotor Casing (1)	CS00100-160M	160M**	-	-	1	-
1-1	Main Rotor Casing (1)	CS00100-160S	160S**	-	-	-	1
1-2	Main Rotor Casing (2)	CS00100-1612C2L	1612LLC	1	-	-	-
1-2	Main Rotor Casing (2)	CS00100-1612C	1612*SC	-	1	1	1
1-2-1	Unloader Slide Valve Gland	CS81210-1612LLC		1	-	-	-
1-2-2	Stud Bolt	NB56516-110N2	M16X110	1	-	-	-
1-2-3	Spring Washer	ND320-016	M16	1	-	-	-
1-2-4	Hexagon Nut	NC140-16	M16	1	-	-	-
2-1	Hexagon Socket Head Cap Screw	NB35412-040	M12X40	46	46	46	46
2-2	Hexagon Socket Head Cap Screw	NB35414-040	M14X40	36	36	36	36
3-1	Alignment Pin	NE2013-040	φ13X40	4	4	4	4
3-2	Alignment Pin	NE2016-040	φ16X40	4	4	4	4
4-1	Eye Bolt (Hanger Bolt)	NB600-16	M16	1	1	1	1
4-2	Eye Bolt (Hanger Bolt)	NB600-12	M12	1	1	1	1
4-2	Eye Bolt (Hanger Bolt)	NB600-16	M16	1	-	-	-
5-1	Suction Cover (1)	CS00500-1612C1	1612**C	1	1	1	1
5-2	Suction Cover (2)	CS00500-1612C2	1612**C	1	1	1	1
6-1	Gasket, Suction Cover (1)	CS00600-160N	160***	1	1	1	1
6-2	Gasket, Suction Cover (2)	CS00600-1612CN	1612**C	1	1	1	1
7	Eye Bolt (Hanger Bolt)	NB600-12	M12	1	1	1	1
8	Spring Pin	NE3204-010	φ4X10	4	4	4	4
10-1A	Plug	NF06-010	R3/8	1	1	1	1
10-2A	Plug	NF06-008	R1/4	1	1	1	1
10-2B	Plug	NF06-010	R3/8	1	1	1	1
11-1	Bearing Head (1)	CS01100-1612C1	1612**C	1	1	1	1
11-2	Bearing Head (2)	CS01100-1612C2	1612**C	1	1	1	1
12-1	Gasket, Bearing Head (1)	CS01200-160N	160***	1	1	1	1
12-2	Gasket, Bearing Head (2)	CS01200-1612CN	1612**C	1	1	1	1
13	Eye Bolt (Hanger Bolt)	NB600-12	M12	1	1	1	1
14	Spring Pin	NE3204-010	φ4X10	4	4	4	4
15-1	Plug	NF06-015	R1/2	1	1	1	1
16	Bearing Cover	CS01600-1612C	1612**C	1	1	1	1
17-1	Gasket, Bearing Cover (1)	CS17000-1612CN	1612**C	1	1	1	1
17-2	Gasket, Bearing Cover (2)	CS01700-1612CN	1612**C	1	1	1	1
18-1	Hexagon Socket Head Cap Screw	NB35412-040	M12X40	16	16	16	16
18-2	Hexagon Socket Head Cap Screw	NB35412-040	M12X40	23	23	23	23
19-1	Alignment Pin	NE2010-040	φ10x40	2	2	2	2
19-2	Alignment Pin	NE2013-040	φ13X40	2	2	2	2
20	Spring Pin	NE3203-010	φ3X10	1	1	1	1
21	Plug	NF06-004	R1/8	1	1	1	1
22	Balance Piston Cover	CS02200-1612C	1612**C	1	1	1	1
23	Gasket, Balance Piston Cover	CS02300-1612CN	1612**C	1	1	1	1
24	Hexagon Socket Head Cap Screw	NB35410-035	M10X35	12	12	12	12
25-1	Male Rotor (1)	CS02520-1612C1	1612LSC (1)	-	1	-	-
26-1	Female Rotor (1)						

No.	Part Name	Code No.	Remarks	Quantity			
				LLC	LSC	MSC	SSC
25-1	Male Rotor (1)	CS02520-1612LL1	1612LLC (1)	1	-	-	-
26-1	Female Rotor (1)						
25-1	Male Rotor (1)	-	1612MSC	-	-	1	-
26-1	Female Rotor (1)						
25-1	Male Rotor (1)	-	1612SSC	-	-	-	1
26-1	Female Rotor (1)						
25-2	Male Rotor (2)	CS02520-1612C2	1612LSC (2)	-	1	-	-
26-2	Female Rotor (2)						
25-2	Male Rotor (2)	CS02520-1612LL2	1612LLC (2)	1	-	-	-
26-2	Female Rotor (2)						
27-1	Main Bearing (1)	CS02800-1610C1	1610SLC/1612**C	2	2	2	2
27-2	Main Bearing (2)	CS02700-125	125***	2	2	2	2
28-1	Side Bearing (1)	CS02800-1610C1	1610SLC/1612**C	2	2	2	2
28-2	Side Bearing (2)	CS02800-125	125***	2	2	2	2
29-1	Stop Ring (1)	NG11-102	H102	4	4	4	4
29-2	Stop Ring (2)	NG11-080	H80	4	4	4	4
30	Balance Piston	CS03000-1612C	1612**C	1	1	1	1
31	Key, Balance Piston	CS03100-125	125***	1	1	1	1
32	Stop Ring	NG12-040	S40	1	1	1	1
33	Sleeve, Balance Piston	CS03300-160	160***	1	1	1	1
34	Hexagon Socket Head Cap Screw	NB35406-015	M6X15	1	1	1	1
35	O-ring	PA12-095	JISB2401 1A G95	1	1	1	1
37	Stop Ring	NG11-102	H102	1	1	1	1
38-1	Thrust Bearing (1)	CS03800-160P	7212B PPS	2	2	2	2
38-2	Thrust Bearing (2)	CS03800-125P	7209B PPS	2	2	2	2
39-1	Lock Nut (1)	NG31-012	AN12	2	2	2	2
39-2	Lock Nut (2)	NG31-009	AN09	2	2	2	2
40-1	Lock Washer (1)	NG32-012	AW12	2	2	2	2
40-2	Lock Washer (2)	NG32-009	AW09	2	2	2	2
41-1	Spacer, Thrust Bearing Outer Race (1)	CS04100-160	160***	2	2	2	2
41-2	Spacer, Thrust Bearing Outer Race (2)	CS04100-125	125***	2	2	2	2
42-1	Spacer, Thrust Bearing Alignment (1)	CS04200-B160	160***	2	2	2	2
42-2	Spacer, Thrust Bearing Alignment (2)	CS04200-125	125***	2	2	2	2
43-1	Thrust Bearing Gland (1)	CS04300-1612C1	1610**C&1612**C	2	2	2	2
43-2A	Thrust Bearing Gland (2) A	CS04300-1612C2F	1612**C	2	2	2	2
43-2B	Thrust Bearing Gland (2) B	CS04300-1612C2M	1612**C	2	2	2	2
45-1	Hexagon Socket Head Cap Screw	NB35406-025	M6X25	12	12	12	12
45-1	Hexagon Head Bolt	NB15506-030	M6X30	12	12	12	12
45-2	Hexagon Head Bolt	NB111008-030	M8X30	8	8	8	8
46-1	Spring Washer	ND320-006	M6	12	12	12	12
46-2	Lock Washer (2)	ND320-008	M8	8	8	8	8
48	Retainer, Oil Seal	CS04800-160	160***	1	1	1	1
49	O-ring	PA12-090	JISB2401 1A G90	1	1	1	1
50	Oil Seal	CS05000-160VD	SA1J55X70X9	1	1	1	1
51	Seal Cover	CS05102-160	160***	1	1	1	1
51	Seal Cover	CS05100-160HE	160*** (HE 用)	1	1	1	1
52	Gasket, Seal Cover	CS05200-160N	160***	1	1	1	1
53	Hexagon Socket Head Cap Screw	NB35408-025	M8X25	8	8	8	8
54-1	Unloader Slide Valve (L Port)	CS05400-1612C	1612LSC	1	1	-	-

No.	Part Name	Code No.	Remarks	Quantity			
				LLC	LSC	MSC	SSC
54-1	Unloader Slide Valve (M Port)	CS05400-1612C	1612LSC	1	1	-	-
54-1	Unloader Slide Valve (L Port)	-	1612MSC	-	-	1	-
54-1	Unloader Slide Valve (M Port)	-	1612MSC	-	-	1	-
54-1	Unloader Slide Valve (L Port)	-	1610SLC	-	-	-	1
54-1	Unloader Slide Valve (M Port)	-	1610SLC	-	-	-	1
54-1	Unloader Slide Valve (M Port)	-	1612L*C for Freon	-	-	-	-
54-1	Unloader Slide Valve (M Port)	-	1610SLC for Freon	-	-	-	-
54-2	Unloader Slide Valve (1-2) (L Port)	-	1612LLC	1	-	-	-
54-2	Unloader Slide Valve (1-2) (M Port)	-	1612LLC	1	-	-	-
55-1	Unloader Slide Valve (2)	CS05400-1612C	1612L*C	1	1	-	-
55-1	Unloader Slide Valve (2)	-	1610SLC	-	-	1	1
55-2	Unloader Slide Valve (2-2)	-	1612LLC	1	-	-	-
58	Hexagon Socket Head Cap Screw	NB35408-030	M8X30	4	4	4	4
58-2	Hexagon Socket Head Cap Screw	NB35406-025	M6X25	4	-	-	-
59	O-ring	PA11-016	JISB2401 1A P16	1	1	1	1
60	Unloader Cylinder	CS06000-1612C	1612**C	1	1	1	1
61	Hexagon Socket Head Cap Screw	NB35408-095	M8X95	8	8	8	8
63	O-ring	PA12-095	JISB2401 1A G95	1	1	1	1
64	Unloader Piston	CS06400-1612C	1612**C	1	1	1	1
65	O-ring	PA11-075	JISB2401 1A P75	1	1	1	1
66	Cap Seal	CS06600-125	CAP-1BE75	1	1	1	1
67	Push Rod, Unloader Slide Valve	CS06700-1612C	1612**C	1	1	1	1
68	Guide Pin	CS06809-03	φ3X8	1	1	1	1
69	Lock Nut	NG31-005	AN05	1	1	1	1
70	Lock Washer	NG32-005	AW05	1	1	1	1
71	Lock Nut	NG31-006	AN06	1	1	1	1
72	Lock Washer	NG32-006	AW06	1	1	1	1
73	O-ring	PA11-021	JISB2401 1A P21	1	1	1	1
74	Unloader Cylinder Cover	CS07402-125	125***	1	1	1	1
74	Unloader Cylinder Cover (Explosion-Proof Type)	CS07460-125	125***	1	1	1	1
75	O-ring	PA12-085	JISB2401 1A G85	1	1	1	1
76	Hexagon Socket Head Cap Screw	NB35406-035	M6X35	8	8	8	8
77	Indicator Cam	CS07700-1612C	1612LSC	1	1	1	-
77	Indicator Cam	CS07700-1612SSC	1612SSC	-	-	-	1
78	Ball Bearing	CS07800-200	#6000	1	1	1	1
79	Stop Ring	NG12-010	S10	1	1	1	1
80	Bearing Gland	CS08000-200	200***	1	1	1	1
81	Hexagon Socket Head Cap Screw	NB35406-015	M6X15	3	3	3	3
82	V-ring (set)	CS08200-200B	VH10 NBR	1	1	1	1
83	Spring	CS08300-200	200***	1	1	1	1
84	Retainer, Indicator Cam Spring	CS08400-200	200***	1	1	1	1
85	Oil Injection Pipe	CS08500-160SUK	125L**/160S**	1	1	1	-
85	Oil Injection Pipe	CS08500-1610CK	1610SLC	-	-	-	1
86	O-ring	PA11-016	JISB2401 1A P16	1	1	1	1
87	Guide Block	CS08700-160	160***	1	1	1	1
88	Stem, Guide Block			1	1	1	1
87-2	Guide Block (2)	CS08700-125	125***	1	-	-	-
88-2	Stem, Guide Block (2)			1	-	-	-

No.	Part Name	Code No.	Remarks	Quantity			
				LLC	LSC	MSC	SSC
89	O-ring	PA11-016	JISB2401 1A P16	2	2	2	2
89-2	O-ring	PA11-012	JISB2401 1A P12	2	-	-	-
91	Shaft Key	CS09100-160	160***	1	1	1	1
92-1	Suction Flange (1) (with hole)	CS71400-125MK	MYK125A(5")	1	1	1	1
92-1	Suction Flange (1) (without hole)	CS71400-P125	MYK125A(5")	1	1	1	1
92-2	Suction Flange (2) (with hole)	CS71400-080MK	MYK80A(3")	1	1	1	1
92-2	Suction Flange (2) (without hole)	CS71400-080	MYK80A(3")	1	1	1	1
93-1	Gasket, Suction Flange (1)	CR72000-125N	MYK125A(5")	1	1	1	1
93-2	Gasket, Suction Flange (2)	CR72000-080N	MYK80A(3")	1	1	1	1
94-1	Hexagon Head Bolt	NB12020-055	M20X55	8	8	8	8
94-2	Hexagon Head Bolt	NB12020-055	M20X55	4	4	4	4
95-1	Discharge Flange (1) (without hole)	CS71400-080	MYK80A(3")	1	1	1	1
95-2	Discharge Flange (2) (without hole)	CS71400-065	MYK65A(2"1/2)	1	1	1	1
96-1	Gasket, Discharge Flange (1)	CR72000-080N	MYK80A(3")	1	1	1	1
96-2	Gasket, Discharge Flange (2)	CR72000-065N	MYK65A(2"1/2)	1	1	1	1
97-1	Hexagon Head Bolt	NB12020-055	M20X55	4	4	4	4
97-2	Hexagon Head Bolt	NB12010-055	M16X55	4	4	4	4
100	Mechanical Seal Assembly	CS10000-160BT	BOS-T1 160V**	1	1	1	1
100	Mechanical Seal Assembly	CS10002-160EBS	BBS-E 160	1	1	1	1
120	Unloader Indicator Assembly	CS12000-1612F	1612LSC 0-100	1	1	1	1
125	Micro-switch Set	CS1259-C	125L**	1	1	1	1
127	Micro-switch Cam	CS12700-125F	125L** 0-100%	1	1	1	1
127	Micro-switch Cam	CS12700-125H	125L** 0-50%	1	1	1	1
129	Potentiometer (with lead wire)	CS1299-J	1612 1k	-	-	-	-
129	Conductive Potentiometer (with lead wire)	CS12919-J	1612 1k	1	1	1	1
202	Bevel Gear	CS20100-1612C6	1612 ID 6mm	2	2	2	2
-	Gear Coupling Assembly (New Type)	CS1519-J	151+152+153+159	1	1	1	1
-	Gear Coupling Assembly (Old Type)	CS1519-J	151+152+153+159 +154+155	-	-	-	-
151	Driven Sleeve	CS15100-1612C	1610**C	1	1	1	1
152	Drive Hub		1610**C	1	1	1	1
153	Driven Hub		1612**C	1	1	1	1
154	Stopper, Drive Sleeve	CS15400-1610C	1610**C	2	2	2	2
155	Stop Ring	CS154001-1612C	RR-293(#10 用)	4	4	4	4
157	Key, Driven Hub	CS15700-1612CH	1612C S45C-H	2	1	1	1
158	Key, Drive Hub	CS15800-1612CH	1612C S45C-H	2	1	1	1
159	Set Screw (with looseness stop)	NA83606-015	M6X15	1	1	1	1
160	Lock Nut	NG31-008	AN08	1	1	1	1
161	Lock Washer	NG32-008	AW08	1	1	1	1
162	Hexagon Socket Head Cap Screw	NB35406-020	M6X20	5	5	5	5
163	O-ring	PA12-025	JISB2401 1A G25	1	1	1	1
164	Retainer, Oil Injection Pipe	CS16400-1612C		1	1	1	1
165	O-ring	PA11-021	JISB2401 1A P21	1	1	1	1
166	Hexagon Socket Head Cap Screw	NB35406-020	M6X20	4	4	4	4
167	Plug	NF06-008	R1/4	1	1	1	1
168	Pipe Guide, Oil Injection	CS16800-1612C	1612LSC	1	1	1	-
168	Pipe Guide, Oil Injection	CS16800-1610C	1610SLC	-	-	-	1
197	O-ring	PA11-032	JISB2401 1A P32	1	1	1	1
237-1	Torsional Slip Washer (1)	CS23700-160	160***	2	2	2	2

No.	Part Name	Code No.	Remarks	Quantity			
				LLC	LSC	MSC	SSC
237-2	Torsional Slip Washer (2)	CS23700-125	125***	2	2	2	2
250-2	Thrust Washer (2)	CS25000-125	125***	2	2	2	2
267	Special Spring Washer for Hex. socket head cap screw	ND330-08	M8 f	4	4	4	4
267-2	Special Spring Washer for Hex. socket head cap screw	ND330-06	M6	4	-	-	-
326	Gland, O-ring	CS32600-1612C		1	1	1	1
335	Special Spring Washer for Hex. socket head cap screw	ND330-06	M6	1	1	1	1
423	Unloader Piston Spacer	CS42300-1612SSC	1612SSC	-	-	-	1
456	Hexagon Socket Head Cap Screw	NB35405-010	M5X10	4	4	4	4
605-1	Plug	NF06-015	R1/2	1	1	1	1
605-2	Plug	NF06-008	R1/4	1	1	1	1
607	Plug	NF06-004	R1/8	1	1	1	1

CAUTION

- The part code of the O-ring 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.