

2.2.2 Development View and Parts List

■ Compressor Assembly Development View

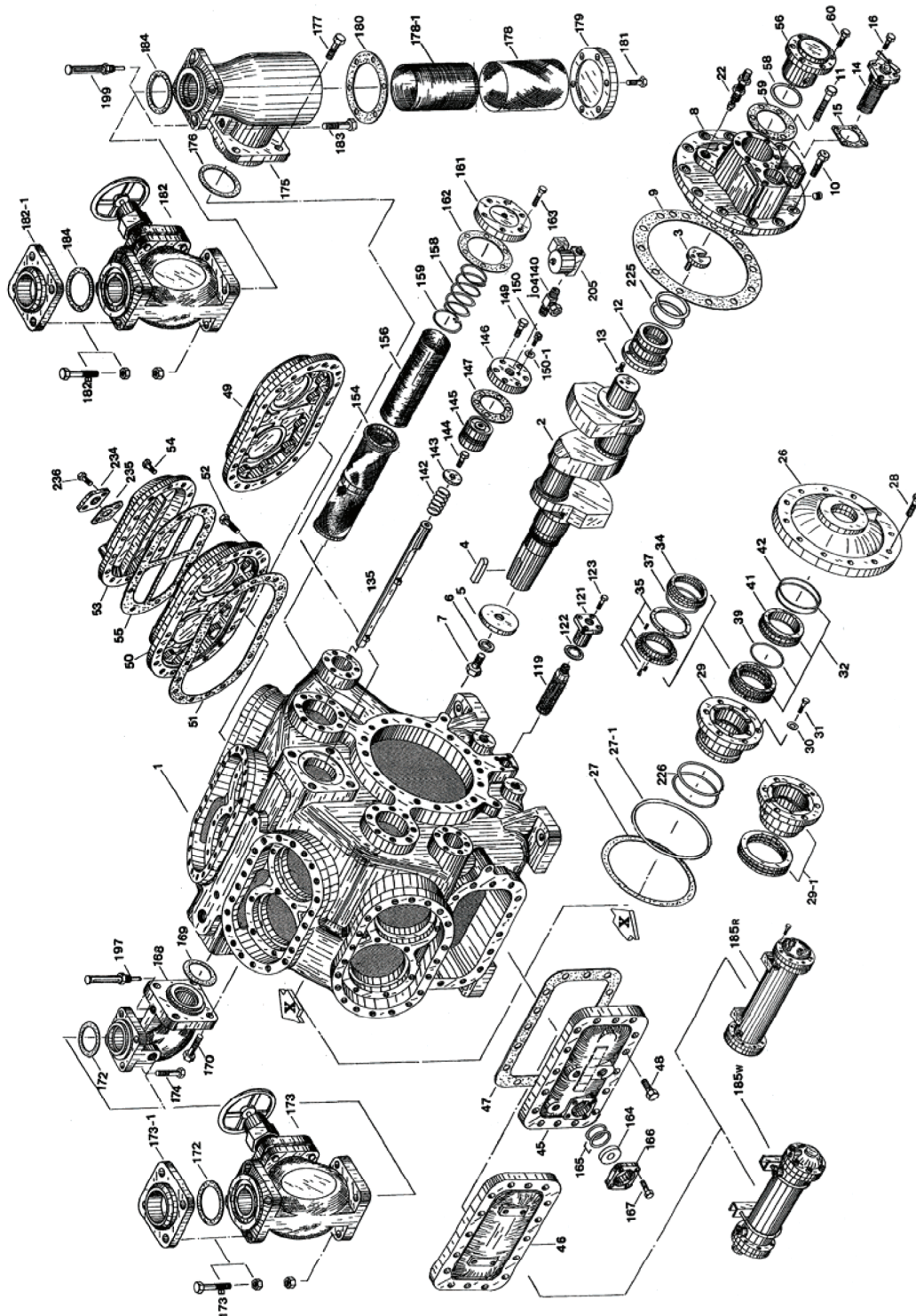


Fig. 2-14 Compressor Assembly Development View

■ Development View of the Cylinder

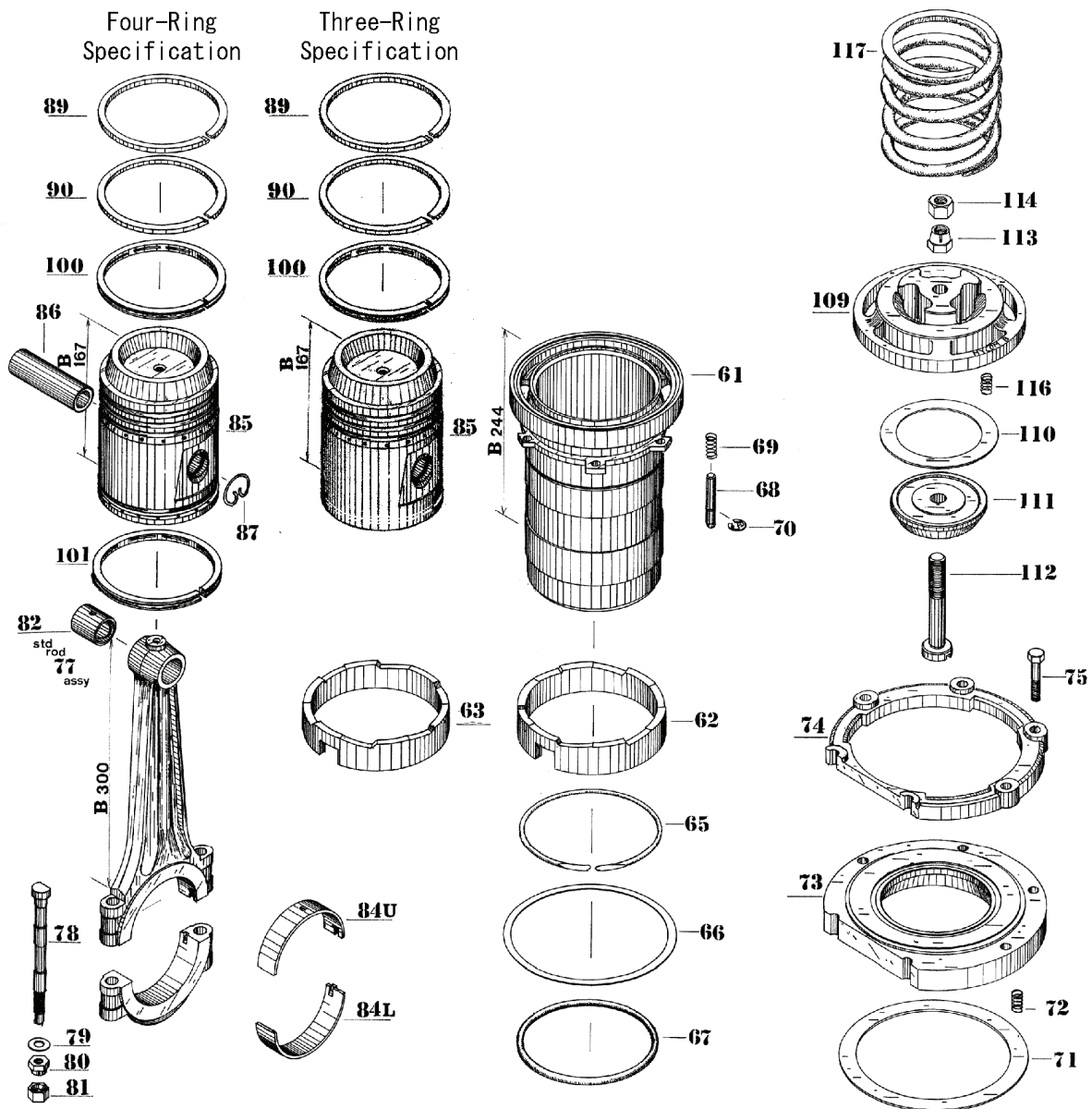


Fig. 2-15 Development View of the Cylinder

■ **Parts List**

Part Number	Part Name	Remarks
1	Crankcase	
2	Crankshaft	
3	Drag crank	
4	Shaft key	
5	Flat washer	
6	Lock washer	
7	Flywheel set bolt	
8	Main bearing head	
9	Main bearing head gasket	
10	Main bearing head hexagon head bolt (short)	
11	Main bearing head hexagon head bolt (long)	
12	Main bearing	
225	Main bearing "O" ring (for single two-stage compressor)	
13	Main bearing screw	
14	CUNO filter assembly	
15	CUNO filter cover gasket	
16	CUNO filter cover hexagon head bolt	
22	Oil pressure regulating valve assembly	
26	Cover plate	
27	Cover plate gasket	
27-1	Cover plate "O" ring	
28	Cover plate hexagon head bolt	
29	Thrust bearing	
29-1	Thrust bearing (B.B type)	
226	Thrust bearing "O" ring (for single two-stage compressor)	
30	Thrust bearing hexagon head bolt washer	
31	Thrust bearing hexagon head bolt	
32	Shaft seal assembly	
34	Seal ring	
37	Seal ring "O" ring	
35	Drive collar assembly	
39	Drive collar "O" ring	
41	Floating seat	
42	Floating seat "O" ring	
45	Hand hole cover (with window)	
46	Hand hole cover (without window)	
47	Hand hole cover gasket	
48	Hand hole cover screw	
49	Head cover (air cooled)	
50	Head cover (water cooled)	
51	Head cover gasket	
52	Head cover screw	
53	Head jacket cover	
55	Head jacket cover gasket	
54	Head jacket cover screw	
56	Oil pump assembly	
58	Oil pump "O" ring	
59	Oil pump gasket	
60	Oil pump hexagon head screw	
61	Cylinder sleeve	
62	Cam ring (leftward sloped)	
63	Cam ring (rightward sloped)	
65	Retaining ring	

Part Number	Part Name	Remarks
66	Cylinder sleeve gasket	
67	Cylinder sleeve "O" ring (for high stage in single two-stage compressor)	
68	Lift pin	
69	Lift pin spring	
70	Lift pin stop ring	
71	Suction valve	
72	Suction valve spring	
73	Valve plate	
74	Discharge valve cage guide	
75	Discharge valve cage guide hexagon head bolt	
76	Connecting rod assembly (for high stage in single two-stage compressor)	
77	Connecting rod assembly	
78	Connecting rod screw	
79	Connecting rod hexagon head bolt washer	
80	Connecting rod tightening nut (first)	
81	Connecting rod tightening nut (second)	
82	Connecting rod bushing	
83	Connecting rod needle bearing (for high stage in single two-stage compressor)	
84U	Bearing halves (top)	
84L	Bearing halves (bottom)	
85	Piston	
86	Piston pin	
87	Piston pin locking spring	
89	Piston ring 1st	
90	Piston ring 2nd	
100	Oil ring 3rd	
101	Oil ring 4th	Not used with three-ring specification.
109	Discharge valve cage	
110	Discharge valve	
111	Discharge valve seat	
112	Discharge valve hexagon head bolt	
113	Discharge valve tightening nut (first)	
114	Discharge valve tightening nut (second)	
116	Discharge valve spring	
117	Safety head spring	
119	Oil strainer	
121	Oil strainer cover	
122	Oil strainer cover gasket	
123	Oil strainer cover hexagon head bolt	
135	Unloader push rod	
142	Unloader device spring	
143	Pushrod washer	
144	Pushrod hexagon head bolt	
145	Unloader piston	
146	Unloader piston cover	
147	Unloader piston cover gasket	
149	Unloader piston cover hexagon head bolt	
150	Unloader piston cover hexagon socket head bolt	
150-1	Hexagon socket head bolt washer	
164	Oil sight glass	
165	Oil sight glass "O" ring	
166	Oil sight gland	
167	Oil sight gland hexagon head bolt	

Part Number	Part Name	Remarks
154	Suction strainer	
156	Suction filter metal mesh canvas	*1
158	Suction strainer holder spring	
159	Canvas holder snap ring	*1
161	Suction end cover	
162	Suction end cover gasket	
163	Suction end cover hexagon head bolt	
168	Discharge elbow	
169	Discharge elbow gasket	
170	Discharge elbow hexagon head bolt	
172	Discharge shut-off valve mating gasket	
173	Discharge shut-off valve	
173-1	Discharge shut-off valve companion flange	
173B	Discharge shut-off valve companion flange mounting bolt and nut	
174	Discharge shut-off valve mounting bolt and nut	
175	Scale trap	
176	Scale trap mating gasket	
177	Scale trap hexagon head bolt	
178	Scale Trap Screen	
178-1	Scale trap metal mesh canvas	
179	Scale trap cover	
180	Scale trap cover gasket	
181	Scale trap cover hexagon head bolt	
182	Suction shut-off valve	
182-1	Suction shut-off valve companion flange	
182B	Suction shut-off valve companion flange mounting bolt and nut	
183	Suction shut-off valve mounting bolt and nut	
184	Suction shut-off valve mating gasket	
185W	Water-cooled oil cooler assembly	
185R	Lubricating oils cooler assembly	
197	Thermometer set (discharge side)	
234	Head jacket cover water flange	
235	Head jacket cover water flange gasket	
236	Head jacket cover water flange hexagon head bolt	
205	Unloader solenoid valve	
JO4140	T-type half union (R3/8×Ø6×R3/8)	

*1 These parts are not assembled if the scale trap (175) is mounted.