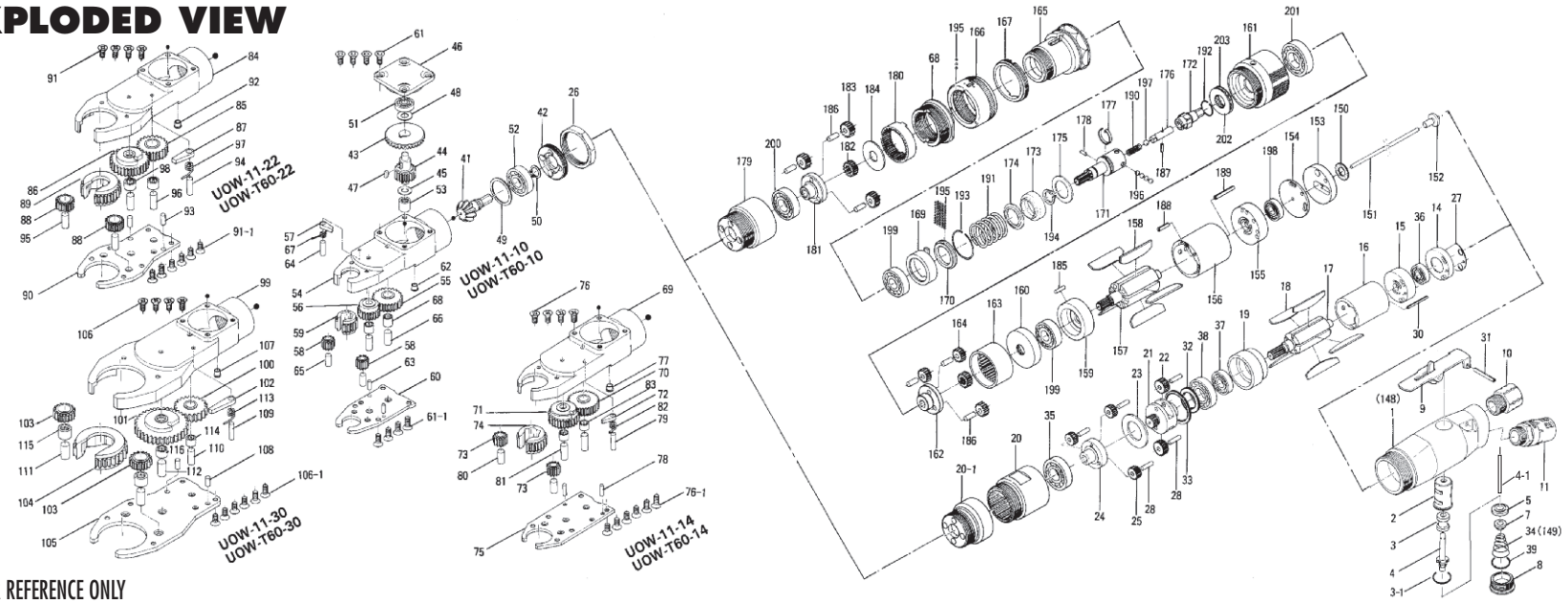
UOW-11 AND UOW-T60 SERIES OPEN-END WRENCHES

Casing Assembly for UOW-11 series:
235-004-0 Index # 1, 2, 3, 4, 7, 8, 9, 10, 11, 31, 34, and 39

Casing Assembly for UOW-11 series:
242-004-0 Index # 2, 3, 4, 5, 7, 8, 9, 10, 11, 31, 39, 148, and 149

EXPLODED VIEW



PARTS LIST — FOR REFERENCE ONLY

Index Number	Part Number	Description	Qty.	
2	235-101-0	Valve Bushing	1	
3	235-210-0	Reverse Valve	1	
3-1	990-593-0	O-Ring (5.1 x 1)	1	
4	241-104-0	Valve Rod	1	
4-1	235-650-0	Rod(Ø 1.6 x 30)	1	
5	235-100-1	Valve	1	
7	235-106-1	Valve Rod Cap	1	
8	566-108-4	Valve Plug	1	
9	508-914-4	Self-locking Lever Assembly	1	
10	191-091-5	Air Inlet Bushing	1	
11	235-885-0	Silencer Assembly	1	
26	233-073-0	Gear Casing Lock Nut	1	
31	973-124-0	Roll Pin (3 x 24)	1	
39	990-914-0	O-Ring (SNS-16)	1	
41	233-420-0	Driving Gear	1	
42	878-161-1	Ball Bearing Support	1	
43	233-430-0	Driven Gear	1	
44	233-438-1	Driven Gear Spindle	1	
45	470-344-8	Cam Spacer	1	
46	233-072-0	Bevel Gear Casing Cover	1	
47	974-766-0	Key (4 x 6)	1	
48	975-749-0	Adjusting Spacer (13 x 6 x T)	1	
49	975-802-0	Adjusting Spacer (26 x 22 x T)	1	
50	979-107-0	Outer Snap Ring (10)	1	
51	982-013-0	Ball Bearing (606)	1	
52	982-100-0	Ball Bearing (6000)	1	
53	988-340-0	Needle Roller Bearing (TLAM69)	1	
1	235-025-0	Casing	1	■
14	233-291-0	Rear Plate Spacer	1	■
15	233-285-0	Rear Plate	1	■
16	233-286-0	Cylinder	1	■
17	233-287-0	Rotor	1	■
18	233-288-0	Blade	5	■
19	233-289-1	Front Plate	1	■
20	233-029-1	Gear Casing	1	■
20-1	233-037-0	Gear Casing Connector	1	■

Index Number	Part Number	Description	Qty.	
21	233-480-0	First Gear Cage	1	■
22	233-470-0	First Planet Gear	2	■
23	233-483-0	Gear Cage Spacer	1	■
24	233-485-0	Second Gear Cage	1	■
25	233-471-0	Second Planet Gear	3	■
27	235-854-0	Casing Packing	1	■
28	972-092-0	Needle Roller (3 x 12)	5	■
30	973-024-0	Roll Pin (2 x 24)	1	■
32	975-167-0	Spacer (24 x 16 x 1)	1	■
33	975-257-0	Spacer (33.8 x 29 x 1.5)	1	■
34	977-254-0	Cone Spring (10 x 15 x 16)	1	■
35	982-101-0	Ball Bearing (6001)	1	■
36	982-401-0	Ball Bearing (EE-2)	1	■
37	982-402-0	Ball Bearing (EE-3)	1	■
38	982-403-0	Ball Bearing (EE-4)	1	■
54	235-032-0	Bevel Gear Casing	1	✱
55	233-445-5	Middle Gear	1	✱
56	233-656-1	Ratchet Gear	1	✱
57	233-562-0	Checker	1	✱
58	233-450-0	Spur Gear	2	✱
59	233-447-0	Gear Socket (10)	1	✱
60	235-070-0	Gear Casing Cover	1	✱
61	957-318-0	Cross Flush Head Screw (M4 x 8)	4	✱
61-1	957-318-0	Cross Flush Head Screw (M4 x 8)	4	✱
62	968-130-0	Grease Cup (3/16)	1	✱
63	972-089-0	Needle Roller (3 x 8)	2	✱
64	972-115-0	Roller Pin (4 x16)	1	✱
65	972-157-0	Needle Roller (5 x 12)	2	✱
66	972-216-0	Needle Roller (6 x 16)	2	✱
67	976-926-0	Spring (5.5 x 7)	1	✱
68	988-380-0	Needle Roller Bearing (F68)	2	✱
69	235-032-4	Bevel Gear Casing	1	▲
70	233-445-5	Middle Gear	1	▲
71	233-656-5	Ratchet Gear	1	▲
72	233-562-4	Checker	1	▲
73	233-450-4	Spur Gear	2	▲

Index Number	Part Number	Description	Qty.	
74	233-447-4	Gear Socket (14)	1	▲
75	235-070-4	Gear Casing Cover	1	▲
76	957-318-0	Cross Flush Head Screw (M4 x 8)	4	▲
76-1	957-318-0	Cross Flush Head Screw (M4 x 8)	6	▲
77	968-130-0	Grease Cup (3/16)	1	▲
78	972-089-0	Needle Roller (3 x 8)	2	▲
79	972-115-0	Roller Pin (4 x 16)	1	▲
80	972-212-0	Needle Roller (6 x 12)	2	▲
81	972-216-0	Needle Roller (6 x 16)	2	▲
82	976-926-0	Spring (5.5 x 7)	1	▲
83	988-380-0	Needle Roller Bearing (F68)	2	▲
84	234-032-0	Bevel Gear Casing	1	●
85	233-445-5	Middle Gear	1	●
86	234-656-0	Ratchet Gear	1	●
87	234-562-0	Checker	1	●
88	234-450-0	Spur Gear	2	●
89	234-447-0	Gear Socket (22)	1	●
90	234-070-0	Gear Casing Cover	1	●
91	957-318-0	Cross Flush Head Screw (M4 x 8)	4	●
91-1	957-318-0	Cross Flush Head Screw (M4 x 8)	6	●
92	968-130-0	Grease Cup (3/16)	1	●
93	970-310-0	Pin (H) (4 x 10)	2	●
94	972-163-0	Needle Roller (5 x 18)	1	●
95	972-214-0	Needle Roller (6 x 14)	2	●
96	972-218-0	Needle Roller (6 x 18)	2	●
97	976-927-0	Spring (6.6 x 7.2)	1	●
98	988-380-0	Needle Roller Bearing (F68)	4	●
99	234-032-6	Bevel Gear Casing	1	○
100	233-445-5	Middle Gear	1	○
101	234-656-6	Ratchet Gear	1	○
102	234-562-4	Checker	1	○
103	234-450-6	Spur Gear	2	○
104	234-447-6	Gear Socket (30)	1	○
105	234-070-6	Gear Casing Cover	1	○
106	957-318-0	Cross Flush Head Screw (M4 x 8)	4	○
106-1	957-318-0	Cross Flush Head Screw (M4 x 8)	6	○

Index Number	Part Number	Description	Qty.	
107	968-130-0	Grease Cup (3/16)	1	○
108	970-310-0	Pin (H) (4 x 10)	2	○
109	972-163-0	Needle Roller (5 x 18)	1	○
110	972-218-0	Needle Roller (6 x 18)	1	○
111	972-314-0	Needle Roller (8 x 14)	2	○
112	972-318-0	Needle Roller (8 x 18)	1	○
113	976-927-0	Spring (6.6 x 72)	1	○
114	988-380-0	Needle Roller Bearing (F68)	1	○
115	988-382-0	Needle Roller Bearing (F88)	2	○
116	988-383-0	Needle Roller Bearing (F810)	1	○
148	242-025-0	Casing	1	❑
149	977-256-0	Cone Spring (10 x 15 x 22)	1	❑
150	996-422-0	Packing (16 x 10 x 1)	1	❑
151	242-104-1	Valve Rod (2 x 96.5)	1	❑
152	242-254-0	Shut off Valve	1	❑
153	242-282-1	Casing Bushing	1	❑
154	242-291-1	Rear Plate Spacer	1	❑
155	242-285-0	Rear Plate	1	❑
156	242-286-0	Cylinder	1	❑
157	499-287-7	Rotor	1	❑
158	609-288-1	Blade	5	❑
159	499-289-7	Front Plate	1	❑
160	499-296-7	Front Plate Spacer	1	❑
161	499-036-7	Hammer Casing Connector	1	❑
162	499-480-7	Gear Cage	1	❑
163	499-465-7	First Internal Gear	1	❑
164	499-470-7	First Planet Gear	3	❑
165	499-028-7	Hammer Casing	1	❑
166	499-264-7	Regulating Dial	1	❑
167	499-257-7	Regulating Screw	1	❑
168	499-382-7	Hammer Casing Nut	1	❑
169	499-164-7	Spring Setter	1	❑
170	499-379-7	Retainer	1	❑
171	499-452-7	Cam Guide	1	❑
172	242-346-1	Cam	1	❑
173	499-375-8	Cam Ring	1	❑

Index Number	Part Number	Description	Qty.	
174	499-165-7	Spring Holder	1	❑
175	499-682-7	Spacer	1	❑
176	471-318-5	Pilot Pin	1	❑
177	499-670-7	Cam Guide Band	1	❑
178	499-764-7	Notch Pin	1	❑
179	242-029-0	Gear Casing	1	❑
180	242-466-0	Second Internal Gear	1	❑
181	242-485-0	Second Gear Cage	1	❑
182	499-445-3	Second Middle Gear	1	❑
183	499-471-3	Second Planet Gear	3	❑
184	499-483-7	Gear Cage Spacer	1	❑
185	971-110-0	Pin (2 x 10)	1	❑
186	972-111-0	Needle Roller (4 x 1)	6	❑
187	969-470-0	Pin (E) (2 x 8)	1	❑
188	973-112-0	Roll Pin (3 x 12)	1	❑
189	973-124-0	Roll Pin (3 x 24)	2	❑
190	976-244-0	Spring (4.5 x 18)	1	❑
191	976-586-0	Spring (25 x 21)	1	❑
192	978-150-0	Snap Ring (15 x 1)	1	❑
193	978-289-0	Snap Ring (29 x 1)	1	❑
194	979-107-0	Outer Snap Ring (10)	1	❑
195	981-000-0	Ball (1/16)	52	❑
196	981-003-0	Ball (5/32)	4	❑
197	981-004-0	Ball (3/16)	1	❑
198	982-035-0	Ball Bearing (698)	1	❑
199	982-100-0	Ball Bearing (6000)	2	❑
200	982-101-0	Ball Bearing (6001)	1	❑
201	982-102-0	Ball Bearing (6002)	1	❑
202	988-837-0	Thrust Needle Bearing (NTB 1226)	1	❑
203	988-962-0	Thrust Washer (As 1226)	2	❑

FOOTNOTES

■ = Parts for UOW-11
○ = Parts for UOW-11,30, T60-30
✱ = Parts for UOW-11, 10, T60-10
❑ = Parts for UOW-T60
▲ = Parts for UOW-11, 14, T60-14
● = Parts for UOW-11, 22, T60-22

REVISED 6/11

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