

**REPAIR KITS FOR 22UWD, 35UWC, 35UWD AND 40UWD WINCHES**

Refer to Operation and Maintenance Manual Form P6581 for 22UWD.

Refer to Operation and Maintenance Manual Form 6362 for 35UWC.

Refer to Operation and Maintenance Manual Form 6323 for 35UWD and 40UWD.

**Important:** This Form covers the Gear Case Repair Kit and the Automatic Brake Repair Kit for the 22UWD. For a listing of the Valve Chest Repair Kit and Motor Repair Kit for the 22UWD, refer to Form P6621.

**No. 35UWC-VCK1 Valve Chest Repair Kit**  
(For use on 35UWC, 35UWD and 40UWD)

Illustration Number		Part Number	Name of Part
35UWC	35UWD, 40UWD		
14	14	K5W-44	Brake Valve Disc
15	15	D02-402	Brake Valve Plug
18	18	SM450B-607-1	Valve Chest Seal
19	19	K5W-547	Valve Chest Gasket
21	21	K5W-928	Valve Chest Cover Gasket
22	22	K5W-548	Valve Chest Bolt (4)
23	23	D10-322	1/2" Lock Washer (4)
24	24	K5W-62	Brake Valve
25	25	K5W-65	Brake Valve Seat
26	26	D01-943	Brake Valve Cap
27	27	D01-946	Valve Cap Gasket
31	31	K5W-248	Spool Valve Seal (7)
33	33	K5W-249	Spool Valve Spring Cup (2)
34	34	K5W-250	Spool Valve Spring (2)
35	35	K5W-251	Spool Valve Cap
36	36	K5W-946	Spool Valve Cap Gasket (2)
37	37	B8-240	Valve Cap Screw (6)
38	38	T11-58	5/16" Lock Washer (6)
39	39	K5W-556	Throttle Lever
40	40	K5W-305	Throttle Lever Knob
41	41	K5W-557	Throttle Lever Pin
42	42	D02-524	Lever Pin Cotter (2)
43	43	K5W-255	Spool Valve Rod
44	44	599-639	Valve Rod Nut
45	45	K5W-870	Valve Rod Pin
---	---	FEA100-118	Valve Rod Pin Retainer
46	46	K5W-596	Throttle Lever Bracket
47	47	K5W-A526	Rotary Valve
49	49	21-703	Rotary Valve Bearing
214	28	UWD-161	Brake Hose Elbow

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**No. 35UWC-MK1 Motor Repair Kit**  
(For use on 35UWC, 35UWD and 40UWD)

<b>Illustration Number</b>	<b>Part Number</b>	<b>Name of Part</b>
5	D02-303A	Vent Cap (2)
54	K5W-520	Crank Lock Pin
55	D02-317	Crank Lock Pin Nut
56	D02-330	Crank Lock Pin Cotter
57	K5M-509	Connecting Rod (5)
58	K5W-511	Connecting Rod Bushing
59	KU-510	Connecting Rod Ring (2)
60	KU-518	Crank Bearing (2)
62	K5W-507	Cylinder Gasket (5)
63	215-13	Cylinder Bolt (20)
64	KU-504	Cylinder Bolt Washer (20)
66	KU-337	Piston Ring (5)
67	KU-338	Oil Regulating Ring (5)
68	K5W-514	Wrist Pin (5)
69	ILA902A9-589	Wrist Pin Retainer (10)
70	K5W-592	Motor Gasket

**No. 35UWC-GCK1 Gear Case Repair Kit**  
(For use on 35UWC)

<b>Illustration Number</b>	<b>Part Number</b>	<b>Name of Part</b>
91	HU-518	Motor Pinion Bearing
92	UWC-317	Inner Pinion Bearing Retainer
93	UWC-313	Outer Pinion Bearing Retainer
94	UWC-315	Motor Pinion Seal
95	UWC-754	Pinion Needle Bearing
100	UWC-730A	Drum End Ring Gear Bolt
101	HRA20A-322	1/2" Lock Washer (12)
103	23-71	Planet Frame Bearing (2)
104	UWC-278	Wave Washer
--	D10-354	Stabilizer Bar Bolt (6)
--	D10-322	1/2" Lock Washer (6)
109	UWC-365	Planet Gear Shaft (3)
110	215-43	Shaft Lock Nut (6)
111	215-44	Shaft Lock Washer (6)
112	UWC-366	Planet Gear Roller (140)
113	UWC-363	Roller Spacer (3)
114	UWC-360	Thrust Plate (6)
115	UWC-361	Thrust Bearing (6)
116	UWD-119	Thrust Race (6)
--	UWC-698-30	Lock Wire (4)
131	K6U-381	Rope Set Screw (2)
133	UWC-469	Rope Drum Bearing Plate (2)
134	UWC-340	Rope Drum Bearing Retainer
135	UWC-137	Rope Drum Bearing Seal
136	UWC-298	Gearing Seal
140	UWC-665	Outer Drum Bearing
141	UWC-661	Drum Bearing Inner Seal
142	UWC-662	Drum Bearing Outer Seal
143	UWC-660	Drum Bearing Retainer
144	UWC-663	Drum Bearing Cap
145	PDA312-28	Drum Bearing Cap Bolt (4)
146	D02-321	3/8" Lock Washer (4)

**No. 35UWD-GCK1 Gear Case Repair Kit**  
 (For use on 22UWD, 35UWD and 40UWD)

<b>Illustration Number</b>	<b>Part Number</b>	<b>Name of Part</b>
81	UWD-592	Motor Cover Gasket
85	UWD-589	Motor Pinion Bearing
86	UWD-313	Inner Bearing Retainer
87	UWD-317	Outer Bearing Retainer
88	UWD-315	Motor Pinion Seal
89	UWD-318	Pinion Needle Bearing
---	23-189	Grease Fitting (3)
---	C6H20A-19	Vent Plug
100	UWD-368	Planet Frame Bearing (2)
102	UWD-365	Planet Gear Shaft (3)
103	UWD-366	Planet Gear Roller (150)
104	UWD-363	Roller Spacer (3)
105	UWD-360	Thrust Plate (6)
106	UWD-362	Thrust Bearing Race (12)
107	UWD-361	Thrust Bearing (6)
108	235-43	Shaft Lock Nut (6)
109	235-44	Shaft Nut Lock (6)
111	207-W37	Ring Gear Bolt (12)
112	UWD-322	1/2" Lock Washer (12)
114	207-W37	Ring Gear Bolt (12)
115	UWD-322	1/2" Lock Washer (12)
117	UWD-931	Gear Case Cover Gasket
121	UWD-278	Wave Washer
122	UWD-369	Washer
123	UWD-465	Output Shaft Bearing, Gear End
124	UWD-464	Output Shaft Bearing, Drum End
125	UWD-137	Output Shaft Seal
131	K6U-381	Rope Set Screw (2)
135	UWD-665	Outer Drum Bearing
136	UWD-660	Outer Thrust Ring
137	215-37	Thrust Ring Bolt (6)
138	D10-322	1/2" Lock Washer (6)
139	UWD-662	Thrust Ring Gasket
140	UWD-661	Bearing Seal (2)
141	UWD-663	Inner Thrust Cap (3)
142	235-146	Thrust Cap Bolt (5)
143	D10-322	1/2" Lock Washer (5)

**No. 35UWC-ABK1 Automatic Brake Repair Kit**  
(For use on 35UWC)

<b>Illustration Number</b>	<b>Part Number</b>	<b>Name of Part</b>
149	UWC-671	Locking Dog
150	UWC-672	Locking Dog Shaft
151	DU-562	Shaft Lock Nut
152	UWC-673	Locking Dog Handle
153	D02-317	Handle Lock Nut
154	D02-330	Cotter Pin (2)
155	PDA312-56	5/8" Washer
156	101BMP-700-1	Locking Dog Spring
157	D10-354	Locking Dog Stop Bolt
158	UWC-44	Groove Pin (2)
159	D01C-258	Washer
170	UWC-A101	Brake Band Assembly
172	UWD-104	Brake Band Clevis
173	UWD-105	Clevis Bearing (2)
174	UWD-106	Adjusting Screw
175	DU-562	Adjusting Screw Lock Nut
176	UWC-107	Brake Anchor Pin
177	UWD-108	Anchor Pin Cotter (2)
178	D10-437	Anchor Pin Washer
179	23-188	Grease Fitting
180	UWD-109	Brake Pin
181	D02-330	Brake Pin Cotter (3)
182	235-309	5/8" Washer (2)
183	UWC-111 A	Brake Crank
184	UWC-113	Brake Crank Arm
186	UWD-116	Bearing, Crank End
187	UWD-117	Bearing, Motor End
188	UWC-118	Crank Spacer
189	UWD-119	Washer (2)
190	UWD-120	Crank Retainer
191	UWC-122	Crank Link
192	UWC-123	Crank Link Bushing
194	UWD-148	Crank Link Retainer
195	UWC-346	Brake Crank Cover
196	23-717	Crank Cover Bolt (4)
197	D02-321	3/8" Lock Washer (4)
199	UWC-132	Torsion Bar Anchor
200	PDA312-28	Torsion Bar Anchor Bolt (4)
201	D02-321	3/8" Lock Washer (4)
202	UWC-141	Brake Cylinder
203	UWC-142	Breather Vent Plug
204	UWC-143	Cylinder Anchor Pin
205	UWC-145	Cylinder Spacer
206	UWC-146	Anchor Pin Cap
207	UWC-144	Cylinder Clevis
208	UWC-147	Cylinder Clevis Pin
209	UWC-148	Clevis Pin Retainer (2)
210	UWC-149	Clevis Pin Washer (2)
211	UWC-286	Cylinder Nipple
212	MR-939	Quick Exhaust Valve
213	UWD-82	Reducing Bushing
214	UWD-161	Brake Hose Elbow
215	UWD-162	Hose Swivel (2)
216	UWD-163-3	Brake Hose
---	UWD-727	Hose Clip

**No. 35UWD-ABK1 Automatic Brake Repair Kit**  
(For use on 22UWD, 35UWD and 40UWD)

<b>Illustration Number</b>	<b>Part Number</b>	<b>Name of Part</b>
-----	23-188	Grease Fitting
147	UWD-671	Locking Dog
148	UWD-672	Locking Dog Shaft
149	DU-562	Lock Nut
150	UWD-673	Locking Dog Handle
151	D02-317	Handle Lock Nut
152	D02-330	Cotter Pin
153	PDA312-56	5/8" Washer
154	D10-354	Locking Dog Bolt
---	UWD-188	Grease Fitting
156	101BMP-700-1	Locking Dog Spring
---	UWD-163-3	Hose
---	UWD-727	Hose Clip (2)
---	UWD-A101	Brake Band Assembly
164	UWD-104	Brake Band Clevis
165	UWD-105	Clevis Bearing (2)
166	UWD-106	Adjusting Screw
167	DU-562	Adjusting Screw Lock Nut
168	UWD-107	Brake Anchor Pin
169	UWD-108	Anchor Pin Cotter (2)
170	UWD-110	Anchor Pin Washer
171	UWD-109	Brake Pin
172	D02-330	Brake Pin Cotter (3)
173	235-309	5/8" Washer (2)
174	UWD-111A	Brake Crank
176	UWD-113	Brake Crank Arm
178	UWD-115	Brake Crank Bracket
179	UWD-116	Bearing, Crank End
180	UWD-117	Bearing, Torsion Bar End
181	UWD-118	Spacer
182	UWD-119	Washer (2)
183	UWD-120	Retainer
184	UWD-121	Crank Bracket Bolt (2)
185	UWD-122	Crank Link
186	UWD-123	Crank Link Bushing
188	UWD-125	Crank Link Retainer
190	UWD-132	Torsion Bar Anchor
191	235-146	Torsion Bar Anchor Bolt (4)
192	D10-322	1/2" Lock Washer (6)
193	UWD-141	Brake Cylinder
194	UWD-142	Breather Vent Plug
195	UWD-167	Reducing Bushing
196	UWD-161	Brake Pipe Elbow
197	UWD-162	Hose Swivel (4)
198	UWD-163	Brake Hose
---	UWD-164	Bulkhead Elbow
201	UWD-169	Elbow
202	UWD-82	Reducing Bushing
203	MR-939	Exhaust Valve
204	UWD-170	Brake Hose Adapter
205	UWD-143	Cylinder Mounting Cap
206	D02-354	Mounting Cap Bolt (4)
207	D02-321	3/8" Lock Washer (4)
208	UWD-144	Cylinder Clevis
209	UWD-146	Clevis Lock Nut
210	UWD-147	Clevis Pin
211	UWD-148	Pin Retainer (2)
212	UWD-149	5/8" Washer (2)

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