



W6F Towing Winch

Mounted on Caterpillar 527 & D6R, John Deere 850J & K / 750J & K

Recommended Service Kits

The following pages list the service kits that are available for your Allied W6F Winch. Each kit includes all parts listed in the table.

Pages 1 and 2 include filter kits. These kits contain all parts necessary to replace the filter element. Select the kit number relevant for your winch, and order a quantity of kits necessary. The filter element should be changed after the first 250 hours, then every 500 hours thereafter. Keep these kits in stock at all times for regular maintenance.

Page 2 contains a Brake & Bevel Gear/Clutch Shaft Kit and a Brake Assembly Kit. Order these kits in preparation for the 5,000 hour scheduled maintenance.

Pages 3 and 4 contain a Brake & Bevel Gear/Clutch Shaft Bearing Kit, and three Drum & Intermediate Shaft Bearing and Seal Kits. Refer to Section 5 and Section 2 before you order the kits relevant for your winch in preparation for the 10,000 hour scheduled maintenance.

Pages 4 and 5 contain three Miscellaneous Parts Lists for the winches mounted on the subject tractors respectively. We recommend keeping these parts on hand.

Page 5 contains a list of tool kits and a list of diagnostic tools, which will help you install and maintain your winch(es).

Note: Allied winch parts manuals are available for no charge download at <http://www.alliedsystems.com/pubs/pubs.htm>.

Filter Kit, P/N: 2311384

Applies to: Winches Last Used on S/N W6F-2112 and S/N AW6F-1000		See Section 5 in Parts Manual	
Service Interval: First 250, then every 500 hours			
Allied P/N	Description	Quantity in Kit	Order Quantity
2311384	Filter Kit		
277490W	. Element	1	
185990W	. Gasket	1	
264068W	. Gasket	1	
265332W	. Gasket	1	

Filter Kit, P/N: 2311385

Applies to: Winches Used on S/N W6F-2113 through S/N AW6F-4454		See Section 5 in Parts Manual	
Service Interval: First 250, then every 500 hours			
Allied P/N	Description	Quantity in Kit	Order Quantity
2311385	Filter Kit		
3001363W	. Filter Element with O-Ring	1	
185990W	. Gasket	1	
265332W	. Gasket	1	
2300935W	. Gasket	1	

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Filter Kit, P/N: 2311167

Applies to: Winches First Used on S/N AW6F-4455		See Section 5 in Parts Manual	
Service Interval: First 250, then every 500 hours			
Allied P/N	Description	Quantity in Kit	Order Quantity
2311167	Filter Kit		
3001363W	. Filter Element with O-Ring	1	
2314005	. Gasket	2	
2300935W	. Gasket	1	

Brake/Clutch Shaft Kit, P/N: 2311378

Service Interval: Every 5,000 hours		See Section 5 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
2311378	Brake & Bevel Gear/Clutch Shaft Kit		
2300544W	. Service Kit, W6F Clutch	2	
328715W	. . Disc, Friction	6	
261542W	. . Plate, Separator	6	
265407W	. . Spring	8	
224793W	. . Shim .031	4	
89777W	. . O-Ring	1	
79972W	. . O-Ring	1	
39370W	. . O-Ring	1	
39674W	. O-Ring	2	
58938W	. Ring, Snap	2	
95581W	. Ring, Seal	4	
108877W	. O-Ring	2	
35575W	. Ring, Snap	1	
174561W	. Lockwasher	1	
21014W	. Locknut	1	
12915W	. Ring, Snap	2	

Brake Assembly Kit, P/N: 2311377

Service Interval: Every 5,000 hours		See Section 5 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
2311377	Brake Assembly Kit		
328715W	. Disc, Friction	10	
261542W	. Plate, Separator	9	
12940W	. Ring, Snap	2	
133927W	. Ring, Seal	1	
79979W	. O-Ring	1	

Note: Inspect all hydraulic hoses during the 5,000 hour overhaul. Replace hoses as required.

Download Allied winch parts manuals at <http://www.alliedsystems.com/pubs/pubs.htm>.



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Brake/Clutch Shaft Bearing Kit, P/N: 2311379

Service Interval: Every 10,000 hours		See Section 5 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
2311379	Brake & Bevel Gear/Clutch Shaft Bearing Kit		
44316W	. Bearing, Ball	1	
230407W	. Bearing, Roller	2	
230351W	. Cup, Bearing	2	
230405W	. Cone, Bearing	1	
225262W	. Cone, Bearing	1	
230310W	. Cone, Bearing	2	
230311W	. Cup, Bearing	2	

Drum & Intermediate Shaft Bearing and Seal Kit, P/N: 2311383

Applies to: Non-Freespool Winches			
Service Interval: Every 10,000 hours		See Sections 5 & 2 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
2311383	Drum & Intermediate Shaft Bearing and Seal Kit		
30059W	. Cup, Roller Bearing	2	
30080W	. Cone, Bearing	2	
15881W	. O-Ring	1	
44547W	. Seal, Oil	1	
230406W	. Bearing, Roller	2	
358674W	. Sealant	1	
133927W	. Ring, Piston Seal	1	
141671W	. Seal, Oil	1	
90263W	. O-Ring	1	

Drum & Intermediate Shaft Bearing and Seal Kit, P/N: 2311381

Applies to: Freespool Winches			
Service Interval: Every 10,000 hours		See Sections 5 & 2 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
2311381	Drum & Intermediate Shaft Bearing and Seal Kit		
30059W	. Cup, Bearing	2	
30058W	. Cone, Bearing	2	
159940W	. O-Ring	1	
6348W	. Ball, Steel	1	
15881W	. O-Ring	1	
44547W	. Seal, Oil	1	
230406W	. Bearing, Roller	2	
358674W	. Sealant	1	
133927W	. Ring, Piston Seal	1	
141671W	. Seal, Oil	1	
90263W	. O-Ring	1	

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Drum & Intermediate Shaft Bearing and Seal Kit, P/N: 2311382

Applies to: Freespool Winches		See Sections 5 & 2 in Parts Manual	
Service Interval: Every 10,000 hours			
Allied P/N	Description	Quantity in Kit	Order Quantity
2311382	Drum & Intermediate Shaft Bearing and Seal Kit		
30059W	. Cup, Bearing	2	
2302311W	. Cone, Bearing	2	
159940W	. O-Ring	1	
6348W	. Ball, Steel	1	
15881W	. O-Ring	1	
44547W	. Seal, Oil	1	
230406W	. Bearing, Roller	2	
358674W	. Sealant	1	
133927W	. Ring, Piston Seal	1	
141671W	. Seal, Oil	1	
90263W	. O-Ring	1	

Miscellaneous Parts - For Winches Mounted on Caterpillar 527

In addition to the kits listed on the previous pages, Allied Systems Company recommends that you stock the following items as applicable to your winch.

Allied P/N	Description	Quantity	Order Quantity
303942W	Cable, Push/Pull Control	1	
303941W	Cable, Freespool Control (Not used on all Installations)	1	
2303982W	Handlever, Push/Pull Control	1	
2303986W	Handlever, Freespool (Not used on all Installations)	1	
95959W	Pin, Drawbar	1	
2303221W	Pin, Retaining	1	
2302963W	Assembly, Gear Pump	1	
79389W	Seal, Oil	1	
45310W	Bearing, Ball	1	

Miscellaneous Parts - For Winches Mounted on Caterpillar D6R

In addition to the kits listed on the previous pages, Allied Systems Company recommends that you stock the following items as applicable to your winch.

Allied P/N	Description	Quantity	Order Quantity
303944W	Cable, Push/Pull Control	1	
303942W	Cable, Freespool Control (Not used on all Installations)	1	
2303986W	Handlever, Push/Pull Control	1	
2303982W	Handlever, Freespool (Not used on all Installations)	1	
95959W	Pin, Drawbar	1	
2303221W	Pin, Retaining	1	
2302963W	Assembly, Gear Pump	1	
79389W	Seal, Oil	1	
45310W	Bearing, Ball	1	



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Miscellaneous Parts - For Winches Mounted on John Deere 850J & K / 750J & K

In addition to the kits listed on the previous pages, Allied Systems Company recommends that you stock the following items as applicable to your winch.

Allied P/N	Description	Quantity	Order Quantity
303945W	Cable, Push/Pull Control	1	
303945W	Cable, Freespool Control (Not used on all Installations)	1	
2304820W	Handlever, Push/Pull Control	1	
2313339	Handlever, Freespool (Not used on all Installations)	1	
95959W	Pin, Drawbar	1	
2303221W	Pin, Retaining	1	
2302963W	Assembly, Gear Pump	1	
79389W	Seal, Oil	1	
321899W	Cup, Bearing	1	
323350W	Cone, Bearing	1	
30189W	Cup, Bearing	1	
247093W	Cone, Bearing	1	
2305346W	Driveshaft	1	
2302790W	. Cross & Bearing Kit	1	

Tool Kits

Order these Tool Kits as required for installation, maintenance and service of your winch(es).

Allied P/N	Description	Order Quantity
588466	Socket Set, 3/8DR 3/8" to 7/8" STD/Deep, 22 PC	
588467	Socket Set, 1/2DR 3/8" to 1-1/4" STD/Deep, 30 PC	
588468	Socket Set, 3/4DR 7/8" to 2-3/8" STD, 29 PC	
588469	Wrench Set, 5/16" to 2-1/2", 31 PC	
588527	Hex Key Sets, .025" to 5/8", 18 PC	
588530	Socket Sets, 3/8DR 6mm-19mm 12 Point	
588529	Socket Sets, 1/2DR 10mm-26mm 12 Point	
588528	Wrench Sets, 7mm-24mm, 18 PC	
588526	Hex Key Sets, .07mm-17mm, 15 PC	

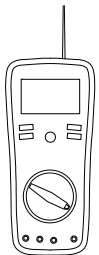
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Diagnostic Tools

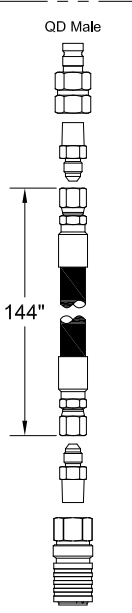
Order these Tools as required for maintenance and service of your winch(es).

Allied P/N	Description	Order Quantity
906601	0 to 8700 PSI Digital Pressure Gauge W/Female QD Connector	
69782	72" Hose Assembly W/QD Connectors Both Ends	
70381	144" Hose Assembly W/QD Connectors Both Ends	
69778	Multi-Meter, 12 Function	



69778
Multi-Meter, 12 Function

AC/DC Voltage & Current,
Resistance, Capacitance,
Frequency, Type K & IR
Temperature, Diode/Continuity,
Duty Cycle Non-Contact
InfraRed Thermometer
CAT III Test Leads
Type K Bead Wire Temp Probe

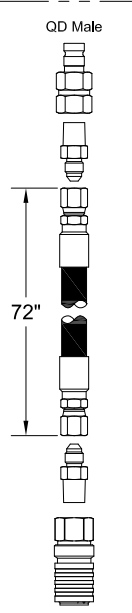


QD Male

144"

QD Female

70381
Kit, Hose Assembly, W/QD Both Ends

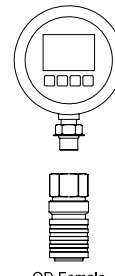


QD Male

72"

QD Female

69782
Kit, Hose Assembly, W/QD Both Ends



QD Female

906601
Kit, Digital Pressure Gauge
W/ Female QD Connector
0 to 8700 PSI