



H6H Hydraulic Winch

Recommended Service Parts

The following pages list some of the service parts and kits that are available for your Allied H6H Winch.

Page 1 through page 4 include lists of gaskets and seals. Keep these parts in stock at all times for regular maintenance. Order parts from the table based on your winch.

Page 4 and page 5 contain kits for 5,000 hour and 10,000 hour scheduled maintenance. Order these kits in preparation for these intervals. Each kit includes all parts listed in the table. Order parts from the table based on your winch.

Page 5 also contains a list of wire rope assemblies. Order parts as required and as relevant for your installation.

Page 6 contains a list of spare parts. Order parts or kits as required and as relevant for your installation.

Page 7 contains lists of operator controls components, and hose kits. Order parts or kits as required and as relevant for your installation.

Page 8 contains lists of tool kits and diagnostic tools, which are useful when you install, maintain and service your winches.

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

Gaskets & Seals				Order as Required
Applies to: H6H Standard Winch Mounted on Case 1650L (R40)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2313831	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	1	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
Applies to: H6H Standard Winch Mounted on Case 1650M/2050M (R42)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	1	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	Control Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
2504253	Seal Kit, Pressure Reduce Valve (2312803)	1	Line Body Assembly	

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Gaskets & Seals		Order as Required		
Applies to: H6H Standard Winch Mounted on Caterpillar D6T (C71)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
Applies to: H6H Standard Winch Mounted on Caterpillar D6N (C81)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
R15668	Seal Kit, Solenoid Cartridge Valve	1	Valve Manifold Assembly	
Applies to: H6H Standard Winch Mounted on Caterpillar D6N (C811)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	



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Gaskets & Seals				Order as Required
Applies to: H6H Standard Winch Mounted on Komatsu D65-15 (K46) and D65-16/17 (K49)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
Applies to: H6H Standard Winch Mounted on Komatsu D61-23 (K471)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
252566	Seal Kit, Directional Valve	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2307265W)	1	Directional Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	

Gaskets & Seals				Order as Required
Applies to: H6H Standard Winch Mounted on Liebherr PR724 (L41)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	CBR Manifold Assembly	
255601	Seal Kit (Viton), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	
259258	Seal Kit (Buna), Relief Valve (P/N 2307438W)	2	CBR Manifold Assembly	

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Gaskets & Seals				Order as Required
Applies to: H6H Standard Winch Mounted on Tigarcat 635D (Y44)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312009	Seal, Top	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Control Manifold Assembly	
236133	Seal Kit, Cavity Plug (P/N 258473)	1	CBR Manifold Assembly	
243815	Seal Kit, Cavity Plug (P/N 258473)	1	CBR Manifold Assembly	
251170	Seal Kit, Cavity Plug (P/N 256462)	2	CBR Manifold Assembly	

Gaskets & Seals				Order as Required
Applies to: H6H High Performance Winch Mounted on John Deere 750J (E48), 850J (E47); 750/850J & 750/850K (E460)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312045	Gasket, Top Right-Hand	1	Frames/Covers	
151646W	Gasket, Freespool	1	Frames/Covers	
2312008	Seal, Top	1	Frames/Covers	
2312118	Gasket, Top Left-Hand Cover	1	Frames/Covers	
252566	Seal Kit, Directional Valve	1	Control Manifold Assembly	
2312111	Seal Kit, Cartridge Valve	2	Control Manifold Assembly	
2312112	Seal Kit, Shuttle Valve	1	Control Manifold Assembly	
2307235W	Seal Kit, Proportional Spool Cartridge Valve	1	Directional Manifold Assembly	
2312114	Seal Kit, Check Valve	3	Directional Manifold Assembly	
243815	Seal Kit, Counterbalance Valve (P/N 2307265W)	1	Directional Manifold Assembly	

Motor, Reducer & Brake Assembly Rebuild Kit, P/N: 2314659				
Applies to: All				
Service Interval: Every 5,000 Hours				
Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
2314659	Rebuild Kit, Motor, Reducer & Brake Assembly			
203564	. O-Ring	2	Motor Shaft Group	
237349	. O-Ring	1	Motor Shaft Assembly	
313022W	. Adhesive	1	Motor Shaft Assembly	
230064W	. Adhesive	1	Motor Shaft Assembly	
2312302	. Kit, O-Ring	1	Brake, Dry Disc	
2313890	. O-Ring	1	Hydraulic Motor	
2313891	. Kit, Shaft Seal	1	Hydraulic Motor	



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Intermediate/Drum Shaft, and Brake Assembly Rebuild Kit, P/N: 2314660

Applies to: All

Service Interval: Every 10,000 Hours

Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
2314660	Rebuild Kit, Intermed./Drum Shaft, & Brake Assy			
2312303	. Repair Kit, Bearing	1	Brake, Dry Disc	
250850	. Repair Kit, Spring	1	Brake, Dry Disc	
250847	. Repair Kit, Lining	1	Brake, Dry Disc	
2300668W	. Cup, Bearing	1	Motor Shaft Group	
2300669W	. Cone, Bearing	1	Motor Shaft Group	
30059W	. Cup, Bearing	1	Shaft, Intermediate Gear	
30080W	. Cone, Bearing	1	Shaft, Intermediate Gear	
159940W	. O-Ring	1	Shaft, Intermediate Gear	
2302311	. Cone, Bearing	2	Shaft, Intermediate Gear	
30059W	. Cup, Bearing	2	Shaft, Intermediate Gear	
15862W	. O-Ring	2	Shaft, Intermediate Gear	
212380	. O-Ring	1	Shaft, Intermediate Gear	
230406W	. Bearing, Roller	2	Shaft, Drum	
15881W	. O-Ring	1	Shaft, Drum	
44547W	. Seal, Oil	1	Shaft, Drum	
133927W	. Ring, Piston Seal	1	Shaft, Drum	
90263W	. O-Ring	1	Shaft, Drum	

Wire Rope Assemblies

Order as Required

Applies to: All

Allied P/N	Description	Length	Will Fill Drum To:	Order Quantity
WR6-275L	Wire Rope Assembly, 3/4"	275 FT (84 M)	2/3 Capacity (recommended)	
WR6-413L	Wire Rope Assembly, 3/4"	413 FT (126 M)	Full Capacity	
WR7-198L	Wire Rope Assembly, 7/8"	198 FT (60 M)	2/3 Capacity (recommended)	
WR7-297L	Wire Rope Assembly, 7/8"	297 FT (91 M)	Full Capacity	
WR8-154L	Wire Rope Assembly, 1"	154 FT (47 M)	2/3 Capacity (recommended)	
WR8-230L	Wire Rope Assembly, 1"	230 FT (70 M)	Full Capacity	

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Spare Parts				Order as Required	
Applies to: See "Relevant for Installation" Column					
Allied P/N	Description	Quantity on Winch	Relevant for Installation	See Parts Manual Page	Order Quantity
2312839	Motor, Hydraulic	1	John Deere 750/850J & 750/850K (H6HH1B/E/3B**E47/E48/E460)	Motor Shaft Group	
2311815	Motor, Hydraulic	1	Komatsu D65-16/-17 (H6HT1B**K49)	Motor Shaft Group	
2313028	Motor, Hydraulic	1	Komatsu D61-23 (H6HT2B**K471)	Motor Shaft Group	
2313144	Motor, Hydraulic	1	Caterpillar D6N (H6HT1B**C81/C811)	Motor Shaft Group	
2313174	Motor, Hydraulic	1	Komatsu D61-23 (H6HH4B**K471)	Motor Shaft Group	
2313569	Motor, Hydraulic	1	Liebherr PR724 (H6HH5B**L41)	Motor Shaft Group	
2313727	Motor, Hydraulic	1	Tigercat 635D (H6HT2B**Y44)	Motor Shaft Group	
2313781	Motor, Hydraulic	1	Liebherr PR724 (H6HT6B**L41)	Motor Shaft Group	
2311883	Assembly, Reducer	1	John Deere 750/850J & 750/850K (H6HH1B/E**E47/E48/E460); Komatsu D65-16/-17 (H6HT1B**K49); Komatsu D61-23 (H6HT2B**K471); Caterpillar D6N (H6HT1B**C81/C811); Tigercat 635D (H6HT2B**Y44).	Motor Shaft Assembly	
2312965	Assembly, Reducer	1	John Deere 750/850J & 750/850K (H6HH3B**E47/E48/E460); Komatsu D61-23 (H6HH4B**K471).	Motor Shaft Assembly	
2312554	Assembly, Reducer	1	Liebherr PR724 (H6HH5B**L41); Liebherr PR724 (H6HT6B**L41).	Motor Shaft Assembly	
2312155	Assembly, Brake	1	All	Motor Shaft Assembly	
21420W	Plug, Breather	1	All	Frame/Covers	
2300962W	Cap, Breather	1	All	Frame/Covers	
95959W	Pin, Drawbar	1	All	Frame/Covers	
2303221W	Pin, Retaining	1	All	Frame/Covers	
2312099	Nut, Blind	2	All	Shaft, Drum	
2301783W	Keeper, Ferrule	1	All	Shaft, Drum	
328715W	Disc, Friction	7	All	Clutch Assembly	
283434W	Assembly, Gear	1	All	Shaft, Intermediate Gear	
2570W	Bushing	6	All	Fairlead, 3-Roller	
2570W	Bushing	8	All	Fairlead, 4-Roller	



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Operator Controls Components			Order as Required
Applies to: All			
Allied P/N	Description	Quantity on Winch	Order Quantity
2310013	Assembly, Switch (Yellow LED)	1	
2310504	Assembly, Switch (Red LED)	1	
2310506	Assembly, Switch (Red LED), Momentary	1	
2311072	Assembly, Switch (Green LED)	1	

Hose Kits				Order as Required
Applies to: See "Relevant for Installation" Column				
Allied P/N	Description	Quantity on Winch	Relevant for Installation	Order Quantity
2314767	Hose Kit, Winch Hydraulics	1	Caterpillar D6N (C81)	
2314768	Hose Kit, Winch Hydraulics	1	Caterpillar D6N (C811)	
2314769	Hose Kit, Winch Hydraulics	1	Caterpillar D6T (C71)	
2314770	Hose Kit, Winch Hydraulics	1	John Deere 750J (E47)/850J (E48), & 750K/850K (E460)	
2314771	Hose Kit, Winch Hydraulics	1	Komatsu D61-23 (K471), Standard	
2314772	Hose Kit, Winch Hydraulics	1	Komatsu D61-23 (K471), Hi-Performance Winch Hoses Only	
2314773	Hose Kit, Winch Hydraulics	1	Komatsu D61-23 (K471), Hi-Performance Dozer Hoses Only	
2314774	Hose Kit, Winch Hydraulics	1	Komatsu D65-16/17 (K49), Standard	
2314775	Hose Kit, Winch Hydraulics	1	Liebherr PR724 (L41)	
2314776	Hose Kit, Winch Hydraulics	1	Tigercat 635D (Y44)	
2315049	Hose Kit, Winch Hydraulics	1	Case 1650L (R40), Standard	
2315050	Hose Kit, Winch Hydraulics	1	Case 1650-1850M (R42), Standard	
2315051	Hose Kit, Winch Hydraulics	1	Caterpillar D6N (H6HT**DNC811), Standard	
2315052	Hose Kit, Winch Hydraulics	1	Komatsu D61-23 (K471) Non-FS, Standard	
2315053	Hose Kit, Winch Hydraulics	1	Liebherr PR724 (L41) Non-FS	
2315054	Hose Kit, Winch Hydraulics	1	Caterpillar D6N (H6HT**DNC811), Standard	
2315055	Hose Kit, Winch Hydraulics	1	Case 1650L (R40), Standard	

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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	

Diagnostic Tools

Order as Required

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