



## H4A Hydraulic Winch

### Recommended Service Parts

The following pages list some of the service parts and kits that are available for your Allied H4A Winch.

Pages 1 through 2 include gaskets and seals. Keep these parts in stock at all times for regular maintenance. Order parts from the table based on your winch.

Pages 3 and 4 contain rebuild 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 contains lists of spare parts, wire rope assemblies, and operator controls components. Order parts as required and as relevant for your installation.

Page 6 contains operator controls components. Order parts as required and as relevant for your installation.

Pages 7 and 8 contain a list of hose kits. Order parts or kits as required and as relevant for your installation.

Page 9 contains a list of tool kits and a list of diagnostic tools. Order kits as required and as relevant for the installation, maintenance and service of your winch(es).

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

Gaskets & Seals			Order as Required	
Applies to: Frame Seals, Enclosed-Frame (SCH) Winches (H4AH_R, H4AH_E, H4AH_Z)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2314794	Gasket, Top Cover	2	Frames/Covers	
39365W	O-Ring, Breather Cover (H4A_R)	1		
2305600W	Gasket, Breather Cover (H4A_E, H4A_Z)	1		
232873	O-Ring, RH Cover	1		
2315377	Gasket, LH Top Cover	2		
209744	O-Ring, Plug	4		
16984W	O-Ring, Plug	1		

Gaskets & Seals			Order as Required	
Applies to: Frame Seals, Open-Frame (Non-SCH) Winches (H4AH_Y)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2315377	Gasket, Breather Cover	1	Frames/Covers	
209744	O-Ring, Plug	1		
16984W	O-Ring, Plug	1		

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Gaskets & Seals				Order as Required
Applies to: Motor Valve Assemblies				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
242101	Seal Kit, Pressure Reducing Cartridge	1	Motor Valve Assembly <b>H4AH</b> S/N H4A-1000 thru H4A-1003 and H4A-1005 thru H4A-1037	
2305073W	Seal Kit, Shuttle Valve	1		
2305073W	Seal Kit, Shuttle Valve	1	Motor Valve Assembly <b>H4AH*R/Y</b> S/N H4A-1004 and H4A-1038 thru H4A-1161	
2305736W	Seal Kit, Sequence Valve	1		
242101	Seal Kit, Pressure Reducing Cartridge	1	Motor Valve Assembly <b>H4AH*Y</b> First Used on S/N H4A-1162	
252563	Seal Kit, Directional Cartridge Valve	1		
2307221W	Vent Cap Seal, Directional Cartridge Valve	1		
2307172W	Seal Kit, Sequence Valve	1		
2307171W	Seal Kit, Shuttle Valve	2		

Gaskets & Seals				Order as Required
Applies to: Komatsu D31/37/39X-22 (K13), D37/39X-23, D39X-24 (K14) (Non Ripper Equipped Models Only)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2311041	Ring	4	4 to 5 Spool Valve Conversion	

Gaskets & Seals				Order as Required
Applies to: Through Drive Charge Pumps Caterpillar D3G (C17), D4/5G (C18), D3/4/5K (C19), D5K/D5K2 (C20), D5K2 with Fireplow (C201)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
118358W	O-Ring (C17)	1	Through Drive Charge Pump (High Performance Winches Only)	
39742W	O-Ring (C17)	1		
2306270W	O-Ring (C18)	2		
2306277W	Seal Ring (C18)	6		
2306278W	O-Ring (C18)	1		
2306279W	O-Ring (C18)	1		
2306280W	O-Ring (C18)	1		
2311194	O-Ring (C20, C201)	2		
2311195	O-Ring (C20, C201)	1		
2311196	O-Ring (C20, C201)	1		



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## Motor Shaft Rebuild Kit, P/N: 2315287

**Applies to:** High Performance Winches with Self-Contained Hydraulics (SCH)

**Service Interval:** Every 5,000 Hours

Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
<b>2315287</b>	<b>Rebuild Kit, Motor Shaft</b>			
2316507	. O-Ring	1	Motor & Brake Group (SCH)	
2304220W	. O-Ring	1		
2304110W	. O-Ring	2		
2316517	. O-Ring	1		
26883	. O-Ring	1		
2305760W	. Seal, Shaft	1	Hydraulic 45CC 2 Speed Motor	
2305761W	. O-Ring	1		
2305762W	. O-Ring	1		
2305763W	. O-Ring	2		

## Motor Shaft Rebuild Kit, P/N: 2315351

**Applies to:** Standard Winches without Self-Contained Hydraulics (Non-SCH)

**Service Interval:** Every 5,000 Hours

Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
<b>2315351</b>	<b>Rebuild Kit, Motor Shaft</b>			
26883	. O-Ring	1	Motor & Brake Group (Non-SCH)	
2316507	. O-Ring	2		
2316517	. O-Ring	1		
2304110W	. O-Ring	2		
15888W	. O-Ring	1		
17064	. O-ring	1	Hydraulic 45CC 2 Speed Motor	
2305760W	. Seal, Shaft	1		
2305761W	. O-Ring	1		
2305762W	. O-Ring	1		
2305763W	. O-Ring	2		

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## Motor, Idler, Intermediate and Drum Shaft Rebuild Kit, P/N: 2315288

Applies to: All

Service Interval: Every 10,000 Hours

Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
<b>2315288</b>	<b>Rebuild Kit, Motor, Idler, Intermediate and Drum Shaft</b>			
12916W	. Ring, Snap	2	Idler Shaft Group	
2304179W	. Cone, Bearing	2		
2304180W	. Cup, Bearing	2		
R1314774	. Cup, Bearing	1	Intermediate Shaft & Freespool	
R1314773	. Cone, Bearing	1		
225262W	. Cone, Bearing	1		
230351W	. Cup, Bearing	1		
334475W	. Ring, Snap	1	Motor & Brake Group	
2300831W	. Bearing, Ball	1		
12921W	. Ring, Snap	1		
41206W	. Bearing, Ball	1		
87355W	. Seal, Oil	1	Drum Shaft Group	
2303853W	. Cone, Bearing	1		
2303854W	. Cup, Bearing	1		
15895W	. O-ring	1		
46629W	. O-ring	1		
R2109170	. Seal, Oil	1		
2304126W	. Cone, Bearing	1		
2304127W	. Cup, Bearing	1		
1314483W	. Cone, Bearing	1		
30190W	. Cup, Bearing	1		
15881W	. O-ring	1		
203525	. O-ring	1		



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Spare Parts			Order as Required	
Applies to: All				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2303788W	Motor, Hydraulic	1	Motor & Brake Group	
2314620	Motor, Hydraulic (K14 Only)	1		
2315765	Motor, Hydraulic (U13 Only)	1		
2304873W	Plate, Friction	3		
2305104W	Assembly, Breather (H4AH_R)	1	Frame/Covers	
2305103W	Cover, Breather (H4AH_R)	1		
21420W	Plug, Breather (H4A_E, H4A_Z, H4A_Y)	1		
2304161W	Pin, Drawbar	1	Fairlead/Drawbar Installation	
2303221W	Pin, Retaining	1		
59419W	Bushing	8		
134803W	Capscrew	1	Drum Shaft Group	
1314503W	Keeper, Ferrule	1		

Wire Rope Assemblies			Order as Required	
Applies to: All				
Allied P/N	Description	Length	Will Fill Drum To:	Order Quantity
WR4-279B	Wire Rope Assembly, 1/2"	279 (85)	2/3 Capacity (Recommended)	
WR4-422B	Wire Rope Assembly, 1/2"	422 (129)	Full Capacity	
WR5-183B	Wire Rope Assembly, 5/8"	183 (56)	2/3 Capacity (Recommended)	
WR5-277B	Wire Rope Assembly, 5/8"	277 (84)	Full Capacity	
WR6-129B	Wire Rope Assembly, 3/4"	129 (39)	2/3 Capacity (Recommended)	
WR6-129BLP	Wire Rope Assembly w/Loop, 3/4"	129 (39)	2/3 Capacity (Recommended)	
WR6-195B	Wire Rope Assembly, 3/4"	195 (59)	Full Capacity	
WR6-195BLP	Wire Rope Assembly w/Loop, 3/4"	195 (59)	Full Capacity	
YS6-195BWS	Wire Rope Assembly, 3/4"	195 (59)	Full Capacity	

# Suggested Spares Guide



Operator Controls Components			Order as Required	
Applies to: See Right-Hand Side Column				
Allied P/N	Description	Quantity on Winch	Relevant for Installation	Order Quantity
2310013	Assembly, 24V Switch	1	Case 750/850M (H4AH_R__R17), John Deere 550-650K (H4AH_R__E16), John Deere 700H/J (H4AH_R__E39) John Deere 700K (H4AH_R__E391)	
2310017	Assembly, 12V Switch	1	Case 650L (H4AH_R__R16) Caterpillar D3/4/5G (H4AH_Y_C17), D4/5G (H4AH_Y_C18), D3/4K (H4AH_Y_C19), D5K (H4AH_Y_C20), D3/4K (H4AT_Y_C19), D5K (H4AT_Y_C20); John Deere 450-650J (H4AH_R__E15) Dressta TD7/8S (H4AT_Y__H15), TD9S (H4AT_Y__H16)	
2311352	Assembly, Oil Filter Indicator	1	Caterpillar D3/4K/K2 (H4AH_Y_C19), D5K/K2 (H4AH_Y_C20), D5K2 With Fireplow (H4AH_Y_C201)	



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Hose Kits			Order as Required	
Applies to: See "Relevant for Installation" Column				
Allied P/N	Description	Quantity on Winch	Relevant for Installation	Order Quantity
2315305	Hose Kit, Winch Hydraulics	1	Last Used on S/N H4AH-B1014	
2315306	Hose Kit, Winch Hydraulics	1	First Used on S/N H4AH-R1048	
2315315	Hose Kit, Winch Hydraulics	1	Case 650/750/850K, 750/850L (H4AH_R__R15)	
2315317	Hose Kit, Winch Hydraulics	1	Case 650L (H4AH_R__R16)	
2314932	Hose Kit, Winch Hydraulics	1	Case 650L (H4AH_R__R16), Case 750/850M (H4AH_R__R17)	
2315316	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5C (H4AH_B_C16 and H4AH_R__C16)	
2315322	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Y__C17), Caterpillar D4/5G (H4AH_Y__C18), First Used on S/N H4A-1162	
2315321	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Y__C17), Caterpillar D4/5G (H4AH_Y__C18), Last Used on S/N H4A-1161	
2315309	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Y_C17), Caterpillar D4/5G (H4AH_Y_C18), Caterpillar D3/4K (H4AH_Y_C19), Caterpillar D5K (H4AH_Y_C20), Last Used on S/N H4AH-1161	
2315310	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Y_C17), Caterpillar D4/5G (H4AH_Y_C18), Caterpillar D3/4K (H4AH_Y_C19), Caterpillar D5K/D5K2 (H4AH_Y_C20), Caterpillar D5K2 With Fireplow (H4AH_Y_C201), First Used on S/N H4AH-1162	
2315307	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Z__C17), Last Used on S/N H4A-1014	
2315319	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Z__C17), Last Used on S/N H4A-1014	
2315308	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Z__C17), Used on S/N H4A-1015 thru H4A-1031	
2315320	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4/5G (H4AH_Z__C17), Used on S/N H4A-1015 thru H4A-1031	

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Hose Kits			Order as Required	
Applies to: See "Relevant for Installation" Column				
Allied P/N	Description	Quantity on Winch	Relevant for Installation	Order Quantity
2315323	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4K (H4AH_Y__C19), Last Used on S/N H4A-1161	
2315327	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4K (H4AT_Y__C19), Caterpillar D5K (H4AT_Y__C20)	
2315311	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4K (H4AT_Y__C19), Caterpillar D5K (H4AT_Y__C20) Dressta TD7/8S (H4AT_Y__H15), Dressta TD9S (H4AT_Y__H16) Shantui SD10 (H4AT_Y__U13)	
2315324	Hose Kit, Winch Hydraulics	1	Caterpillar D3/4K/K2 (H4AH_Y__C19), First Used on S/N H4A-1162	
2315325	Hose Kit, Winch Hydraulics	1	Caterpillar D5K (H4AH_Y__C20), Last Used on S/N H4A-1161	
2315326	Hose Kit, Winch Hydraulics	1	Caterpillar D5K/K2 (H4AH_Y__C20), First Used on S/N H4A-1162	
2315312	Hose Kit, Winch Hydraulics	1	Caterpillar D5K2 with Fireplow (H4AH_Y__C201)	
2315318	Hose Kit, Winch Hydraulics	1	Dressta TD7/8S (H4AT_Y__H15) Dressta TD9S (H4AT_Y__H16)	
2315328	Hose Kit, Winch Hydraulics	1	John Deere 450-650J (H4AH_R__E15), John Deere 550-650K (H4AH_R__E16)	
2315329	Hose Kit, Winch Hydraulics	1	John Deere 700H/J (H4AH_R__E39)	
2315330	Hose Kit, Winch Hydraulics	1	John Deere 700K (H4AH_R__E391)	
2315331	Hose Kit, Winch Hydraulics	1	Komatsu D31/37/39 E-21 & E21-A (H4AH_B__K12)	
2315313	Hose Kit, Winch Hydraulics	1	Komatsu D31/37/39 E-22 (H4AT_Y__K13) Komatsu D37/39 E-23 (H4AT_Y__K14)	
2315332	Hose Kit, Winch Hydraulics	1	Komatsu D31/37/39X-22 and 22-A (H4AT_Y__K13)	
2315314	Hose Kit, Winch Hydraulics	1	Komatsu D31/37/39X-22 and 22-A (H4AT_Y__K13)	
2315333	Hose Kit, Winch Hydraulics	1	Komatsu D37/39X-23, D39X-24 (H4AT_Y__K14)	



## 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

# Suggested Spares Guide

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