



## H8L Hydraulic Winch

### Recommended Service Parts

The following pages list some of the service parts and kits that are available for your Allied H8L Winch.

Page 1 and Page 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.

Page 2 and Page 3 contain kits for 5,000 hour and 10,000 hour scheduled maintenance. Each kit includes all parts needed for each interval. Order these kits in preparation for the scheduled maintenance of your winch(es).

Page 4 contains lists of spare parts, wire rope, and operator controls components. Order parts as required and as relevant for your installation.

Page 5 and Page 6 contain lists of hose kits. Order parts or kits as required and as relevant for your installation.

Page 7 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: H8L Winch Mounted on Caterpillar D7E (C511)				
Allied P/N	Description	Quantity on Winch	See Parts Manual Page	Order Quantity
2312533	Gasket, Top Right-Hand Cover	1	Frames/Covers	
2312574	Seal, Top Left-Hand	1	Frames/Covers	
2312536	Seal, Top	1	Frames/Covers	
2504253	Seal Kit, Pressure Reduce Valve (P/N 2312803)	1	Assembly, Control Manifold (P/N 2312085)	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Assembly, Control Manifold (P/N 2312085)	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	1	Assembly, Control Manifold (P/N 2312085)	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Assembly, Control Manifold (P/N 2312085)	
2307235W	Seal Kit, Proportional Spool Cartridge Valve (P/N 2307024W)	1	Assembly, Directional Manifold (P/N 2307008W)	
2307245W	Seal Kit, Cartridge Check Valve (P/N 2307234W)	3	Assembly, Directional Manifold (P/N 2307008W)	
2307246W	Seal Kit, Cartridge Relief Valve (P/N 2307236)	1	Assembly, Directional Manifold (P/N 2307008W)	
2307235W	Seal Kit, Proportional Spool Cartridge Valve (P/N 2307024W)	1	Assembly, Directional Manifold (P/N 2311716)	
2312114	Seal Kit, Check Valve (P/N 2312103)	1	Assembly, Directional Manifold (P/N 2311716)	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	Assembly, Directional Manifold (P/N 2312623)	
243815	Seal Kit, Counterbalance Valve (P/N 2307265)	1	Assembly, Directional Manifold (P/N 2314100)	

# Suggested Spares Guide



<b>Gaskets &amp; Seals</b>		<b>Order as Required</b>		
<b>Applies to: H8L Winch Mounted on Komatsu D85X-15 (K50)</b>				
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity on Winch</b>	<b>See Parts Manual Page</b>	<b>Order Quantity</b>
2312533	Gasket, Top Right-Hand Cover	1	Frames/Covers	
2312208	Gasket, Hose Seal	1	Frames/Covers	
2312536	Seal, Top	1	Frames/Covers	
252566	Seal Kit, Directional Valve (P/N 2311592)	1	Assembly, Control Manifold (P/N 2311770)	
2312111	Seal Kit, Cartridge Valve (P/N 2312073)	1	Assembly, Control Manifold (P/N 2311770)	
2312112	Seal Kit, Shuttle Valve (P/N 2312074)	1	Assembly, Control Manifold (P/N 2311770)	
243815	Seal Kit, Counterbalance Valve (P/N 2312068)	1	Assembly, Counterbalance Relief Manifold (P/N 2311718)	
255601	Seal Kit, Relief Valve (P/N 2307438W)	2	Assembly, Counterbalance Relief Manifold (P/N 2311718)	
259258	Seal Kit, Relief Valve (P/N 2307438W)	2	Assembly, Counterbalance Relief Manifold (P/N 2311718)	

<b>Motor, Reducer &amp; Brake Assembly Rebuild Kit, P/N 2314615</b>				
<b>Applies to: All</b>				
<b>Service Interval: Every 5,000 Hours</b>				
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity in Kit</b>	<b>See Parts Manual Page</b>	<b>Order Quantity</b>
<b>2314615</b>	<b>Rebuild Kit, Motor, Reducer &amp; Brake Assembly</b>			
203564	. O-Ring	2	Group, Motor Shaft	
2311880	. Ring, Seal	1	Group, Motor Shaft	
86585W	. O-Ring	2	Assembly, Motor Shaft	
87287W	. O-Ring	1	Assembly, Motor Shaft	
2312302	. Kit, O-Ring	1	Brake, Dry Disc	
2313890	. O-Ring	1	Assembly, Motor	
2313891	. Kit, Shaft Seal	1	Assembly, Motor	
313022W	. Adhesive	1	Assembly, Motor Shaft	
230064W	. Adhesive	1	Assembly, Motor Shaft	



# Suggested Spares Guide

## Intermediate/Drum Shaft, and Brake Assembly Rebuild Kit, P/N 2314616

Applies to: All

Service Interval: Every 10,000 Hours

Allied P/N	Description	Quantity in Kit	See Parts Manual Page	Order Quantity
<b>2314616</b>	<b>Rebuild Kit, Intermed./Drum Shaft, &amp; Brake Assy.</b>			
15881W	. O-Ring	1	Shaft, Drum	
46629W	. O-Ring	1	Shaft, Drum	
96437W	. Bearing, Roller	1	Shaft, Drum	
78022W	. Bearing, Roller	1	Shaft, Drum	
141149W	. Seal, Oil	1	Shaft, Drum	
44484W	. Seal, Oil	1	Shaft, Drum	
131982W	. Ring	1	Shaft, Drum	
30091W	. Cup, Bearing	2	Shaft, Intermediate Gear	
230309W	. Cone, Bearing	2	Shaft, Intermediate Gear	
2300668W	. Cup, Bearing	1	Group, Motor Shaft	
2300669W	. Cone, Bearing	1	Group, Motor Shaft	
2311655	. Bearing, Needle	1	Assembly, Motor Shaft	
137153W	. Cup, Bearing	1	Assembly, Motor Shaft	
137155W	. Cone, Bearing	1	Assembly, Motor Shaft	
230407W	. Bearing	1	Assembly, Motor Shaft	
2312303	. Repair Kit, Bearing	1	Brake, Dry Disc	
250850	. Repair Kit, Spring	1	Brake, Dry Disc	
250847	. Repair Kit, Lining	1	Brake, Dry Disc	
134076W	Shim .020 *	AR	Shaft, Intermediate Gear	
134074W	Shim .005 *	AR	Shaft, Intermediate Gear	
134075W	Shim .007 *	AR	Shaft, Intermediate Gear	
134072W	Shim .020 *	AR	Shaft, Drum	
134070W	Shim .005 *	AR	Shaft, Drum	
134071W	Shim .007 *	AR	Shaft, Drum	
2312059	Shim .005 *	AR	Shaft Group, Motor	
2312060	Shim .007 *	AR	Shaft Group, Motor	
2312061	Shim .020 *	AR	Shaft Group, Motor	

\* Note: Shims are not included in Rebuild Kit, 2314616. Order shims as required for your winch installation.

# Suggested Spares Guide



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
2311814	Motor, Hydraulic	1	Caterpillar D7E (C511)	Assembly, Motor Shaft	
2313780	Motor, Hydraulic	1	Komatsu D85X-15 (K50)	Assembly, Motor Shaft	
2312554	Kit, Planetary Reducer	1	All	Assembly, Motor Shaft	
2312155	Brake, Dry Disk	1	All	Assembly, Motor Shaft	
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	
274464W	Keeper, Ferrule	1	All	Shaft, Drum	
328715W	Disc, Friction	8	All	Assembly, Clutch	
96418W	Gear, 54T	1	All	Shaft, Intermediate Gear	
2570W	Bushing	8	All	Fairlead, 4-Roller	

Wire Rope Assemblies				Order as Required	
Applies to: All					
Allied P/N	Description	Length	Will Fill Drum To:	Order Quantity	
WR7-287J	Wire Rope Assembly, 7/8"	287 FT (81 M)	2/3 Capacity (recommended)		
WR7-430J	Wire Rope Assembly, 7/8"	430 FT (131 M)	Full Capacity		
WR8-222J	Wire Rope Assembly, 1"	222 FT (68 M)	2/3 Capacity (recommended)		
WR8-334J	Wire Rope Assembly, 1"	334 FT (102 M)	Full Capacity		
WR9-178J	Wire Rope Assembly, 1 1/8"	178 FT (54 M)	2/3 Capacity (recommended)		
WR9-267J	Wire Rope Assembly, 1 1/8"	267 FT (81 M)	Full Capacity		
YS9-267JWS	Wire Rope Assembly, 1 1/8"	267 FT (81 M)	Full Capacity		

Operator Controls Components			Order as Required	
Applies to: H8L Winch Mounted on Komatsu D85X-15 (K50)				
Allied P/N	Description	Quantity on Winch	Order Quantity	
2310504	Assembly, Switch (Red LED)	1		



# Suggested Spares Guide

<b>Hose Kit</b>			<b>Order as Required</b>
<b>Applies to: H8L Winch Mounted on Caterpillar D7E (C511)</b>			
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity on Winch</b>	<b>Order Quantity</b>
<b>2314926</b>	<b>Hose Kit, Internal Hydraulics</b>	<b>1</b>	
2310543	. Assembly, Hose	1	
257331	. Assembly, Hose	1	
2313710	. Assembly, Hose	1	
2312695	. Assembly, Hose	1	
249525	. Assembly, Hose	1	
242260	. Assembly, Hose	1	
242144	. Assembly, Hose	1	
2312798	. Assembly, Hose	1	
2312644	. Assembly, Hose	1	
2312731	. Assembly, Hose	1	

<b>Hose Kit</b>			<b>Order as Required</b>
<b>Applies to: H8L Winch Mounted on Caterpillar D7E (C511)</b>			
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity on Winch</b>	<b>Order Quantity</b>
<b>2314928</b>	<b>Hose Kit, External Hydraulics</b>	<b>1</b>	
2312643	. Assembly, Hose	1	
2312646	. Assembly, Hose	1	
2312647	. Assembly, Hose	1	
2312936	. Assembly, Hose	1	

# Suggested Spares Guide



<b>Hose Kit</b>			<b>Order as Required</b>
<b>Applies to: H8L Winch Mounted on Komatsu D85X-15 (K50)</b>			
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity on Winch</b>	<b>Order Quantity</b>
<b>2314927</b>	<b>Hose Kit, Internal Hydraulics</b>	<b>1</b>	
2310543	. Assembly, Hose	1	
242264	. Assembly, Hose	1	
2312695	. Assembly, Hose	1	
R11611	. Assembly, Hose	1	
2314017	. Assembly, Hose	1	
2313807	. Assembly, Hose	1	
249327	. Assembly, Hose	1	
249334	. Assembly, Hose	2	

<b>Hose Kit</b>			<b>Order as Required</b>
<b>Applies to: H8L Winch Mounted on Komatsu D85X-15 (K50)</b>			
<b>Allied P/N</b>	<b>Description</b>	<b>Quantity on Winch</b>	<b>Order Quantity</b>
<b>2314945</b>	<b>Hose Kit, External Hydraulics</b>	<b>1</b>	
2314033	. Assembly, Hose	2	
2313817	. Assembly, Hose	3	
2313818	. Assembly, Hose	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	

## 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