



## W400 Series Winch

### Recommended Service Kits

The following pages list the service kits and hose kits that are available for your Allied W400 series winch. Each kit includes all parts listed in the table. Select the kit number relevant for your winch, and order a quantity of kits necessary. Order the kits in preparation for your scheduled maintenance.

Page 8 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 at <http://www.alliedsystems.com/pubs/pubs.htm>.**

#### Service Kit, Input Clutch Parts Group, P/N 2315497

Applies to:		W410-04, W410-05, W410-06, W410-08, W411-02, W411-03, W411-04	See Section 3 in Parts Manual	
Allied P/N	Description		Quantity in Kit	Order Quantity
<b>2315497</b>	<b>Service Kit, Input Clutch Parts Group</b>			
R230857	. Seal, Inner Piston		1	
R224771	. Seal		1	
R231264	. Gasket		1	
R225956	. Bearing		1	
R231262	. Gasket		1	
R206864	. Seal, Oil		1	
43308W	. Bearing		1	
R230829	. Bearing		2	
R230911	. Disc, Inner Clutch		6	
R224772	. Disc, Outer Clutch		6	

#### Service Kit, Input Clutch Parts Group, P/N 2315498

Applies to:		W428-03	See Section 3 in Parts Manual	
Allied P/N	Description		Quantity in Kit	Order Quantity
<b>2315498</b>	<b>Service Kit, Input Clutch Parts Group</b>			
R230857	. Seal		1	
R231264	. Gasket		1	
R225956	. Bearing		1	
R231262	. Gasket		1	
R206864	. Seal, Oil		1	
43308W	. Bearing		1	
R230829	. Bearing		2	
R230911	. Disc, Clutch Inner		6	
R224772	. Disc, Clutch Outer		6	
2303689W	. O-Ring		1	

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## Service Kit, Input Clutch Parts Group, P/N 2315499

Applies to:		WD410-02, WD410-03, WD411-05	See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity	
<b>2315499</b>	<b>Service Kit, Input Clutch Parts Group</b>			
R230857	. Seal	1		
R224771	. Seal	1		
43308W	. Bearing	1		
R230829	. Bearing	2		
R230911	. Disc, Clutch Inner	6		
R224772	. Disc, Clutch Outer	6		

## Service Kit, Drop Box, P/N 2315500

Applies to:		WD410-02, WD410-03; WD411-05	See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity	
<b>2315500</b>	<b>Service Kit, Drop Box</b>			
R206864	. Seal	1		
17147W	. O-Ring	1		
R225956	. Bearing	1		
43308W	. Bearing	1		
90207W	. O-Ring	1		
R232282	. Bearing	1		
2306117W	. Bearing, Needle Roller	1		
203508	. O-Ring	2		
2306116W	. Bearing, Sleeve Cup	1		

## Hose Kit, Hydraulics Parts Group, P/N 2315501

Applies to:		W410-08	See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity	
<b>2315501</b>	<b>Hose Kit, Hydraulics Parts Group</b>			
R12117	. Assembly, Hose	1		
2311337	. Assembly, Hose	1		
2311340	. Assembly, Hose	1		
2311399	. Assembly, Hose	1		
2312026	. Assembly, Hose	1		
2312025	. Assembly, Hose	1		
2312020	. Assembly, Hose	1		



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## Hose Kit, Hydraulics Parts Group, P/N 2315502

Applies to: W411-06		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315502</b>	<b>Hose Kit, Hydraulics Parts Group</b>		
2311834	. Assembly, Hose	1	
2311835	. Assembly, Hose	1	
2311833	. Assembly, Hose	1	

## Service Kit, Input Without Clutch Parts Group, P/N 2315503

Applies to: W411-05		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315503</b>	<b>Service Kit, Input Without Clutch Parts Group</b>		
R231264	. Gasket, Input Bearing Cap	1	
R225956	. Bearing, Input Clutch Front	1	
R231262	. Gasket, Input Bearing Retainer	1	
R206864	. Oil Seal	1	
43308W	. Bearing, Input Clutch Rear	1	

## Service Kit, Input Without Clutch Parts Group, P/N 2315504

Applies to: W411-06		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315504</b>	<b>Service Kit, Input Without Clutch Parts Group</b>		
R231264	. Gasket	1	
41308W	. Bearing	1	
R231262	. Gasket	1	
43308W	. Bearing	1	

## Service Kit, Input Without Clutch Parts Group, P/N 2315505

Applies to: WH411-01		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315505</b>	<b>Service Kit, Input Without Clutch Parts Group</b>		
R231264	. Gasket, Input Bearing Carrier	1	
43308W	. Bearing, Ball	1	
2303628W	. Bearing, Ball	1	
57597W	. O-Ring	1	

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## Service Kit, Input Motor Parts Group, P/N 2315506

Applies to: WH410-01		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315506</b>	<b>Service Kit, Input Motor Parts Group</b>		
R231264	. Gasket, Input Bearing Carrier	1	
43308W	. Bearing, Ball	1	
2303628W	. Bearing, Ball	1	
57597W	. O-Ring	1	

## Service Kit, Input Motor Parts Group, P/N 2315507

Applies to: WH410-02, WH411-02		See Section 3 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315507</b>	<b>Service Kit, Input Motor Parts Group</b>		
2303628W	. Bearing, Ball	1	
R231264	. Gasket	1	
43308W	. Bearing, Ball	1	
60988W	. O-Ring	1	

## Service Kit, Pinion Shaft, P/N 2315508

Applies to: W410-04, W410-05, W410-06, W410-08; W428-03; WD410-02, WD410-03; W411-02, W411-03, W411-04, W411-05; WD411-05		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315508</b>	<b>Service Kit, Pinion Shaft</b>		
57597W	. O-Ring	1	
R232159	. Disc	1	
R4064001	. Cup	1	
45733W	. Cup	1	
15891W	. O-Ring	2	
15891W	. O-Ring	1	
R231279	. Gasket	1	
2306097W	. Bearing	1	
R4064002	. Cone	1	
2303791W	. Cone	1	



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Service Kit, Pinion Shaft, P/N 2315509			
Applies to:		See Section 4	
W411-06; WH410-01, WH410-02; WH411-02, WH411-02D		in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315509</b>	<b>Service Kit, Pinion Shaft</b>		
R4064001	. Bearing Cup	1	
45733W	. Bearing Cup	1	
15891W	. O-Ring	2	
15891W	. O-Ring	1	
R231279	. Gasket	1	
2306097W	. Bearing	1	
R4064002	. Bearing Cone	1	
2303791W	. Bearing Cone	1	

Service Kit, Pinion Shaft, P/N 2315510			
Applies to:		See Section 4	
WH411-01		in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315510</b>	<b>Service Kit, Pinion Shaft</b>		
2303630W	. Gasket, Pump	1	
45733W	. Cup, Bearing	1	
2303791W	. Cone, Bearing	1	
R4064001	. Cup, Bearing	1	
R4064002	. Cone, Bearing	1	
15891W	. O-Ring	1	
15891W	. O-Ring	1	
R231279	. Gasket	1	
2306097W	. Bearing	1	

Service Kit, Ring Gear Shaft, P/N 2315511			
Applies to:		See Section 4	
All W400		in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315511</b>	<b>Service Kit, Ring Gear Shaft</b>		
203444	. O-Ring	1	
R1314773	. Cone, Bearing	1	
R1314774	. Cup, Bearing	1	
R1304638	. Cup, Bearing	1	
R232362	. Cone, Bearing	1	
59229W	. O-Ring	1	
14718W	. O-Ring	1	

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## Service Kit, Drum Drive Shaft, P/N 2315512

Applies to: All W400		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315512</b>	<b>Service Kit, Drum Drive Shaft</b>		
R231842	. Seal	1	
44322W	. Bearing	1	
R218777	. O-Ring	1	
41215W	. Bearing	1	
43313W	. Bearing	1	
R231293	. Gasket	1	

## Service Kit, Cable Drum Clutch, P/N 2315513

Applies to: All W400		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315513</b>	<b>Service Kit, Cable Drum Clutch</b>		
R231338	. Bearing	1	
R231336	. Seal	1	
R231303	. Seal	1	
59229W	. O-Ring	2	
R231017	. Seal	1	
17147W	. O-Ring	1	
R247014	. Seal	1	
R400129	. Disc, Outer Clutch	19	
2311825	. Disc, Friction	18	
2304326W	. Seal	1	

## Service Kit, Drag Brake for Optional BRAKE-OFF, P/N 2315514

Applies to: W410-04B, W410-05B, W410-06B; W411-02B, W411-03B, W411-04B, W411-05B; W428-03B; WD410-02B, WD410-03B, WD411-05B		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315514</b>	<b>Service Kit, Drag Brake for Optional BRAKE-OFF</b>		
2304874W	. Plate, Separator	3	
2304873W	. Plate, Friction	2	
57597W	. O-Ring	1	
36363W	. O-Ring	1	
15860W	. O-Ring	3	
R231308	. Gasket, Bearing Cap	1	



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## Service Kit, Drag Brake for Optional BRAKE-OFF, P/N 2315515

Applies to: WH411-02B		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315515</b>	<b>Service Kit, Drag Brake for Optional BRAKE-OFF</b>		
2304874W	. Separator	3	
2304873W	. Plate, Friction	2	
57597W	. O-Ring	1	
36363W	. O-Ring	1	
R231308	. Gasket, Bearing Cap	1	

## Service Kit, Input 3.75:1 Planetary Parts Group, P/N 2315516

Applies to: WH411-02D		See Section 4 in Parts Manual	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2315516</b>	<b>Service Kit, Input 3.75:1 Planetary Parts Group</b>		
43308W	. Bearing, Ball	1	
2303628W	. Bearing, Ball	1	
R231264	. Gasket, Input	1	
27725	. O-Ring	1	

## Wire Rope Assemblies

Applies to: W400 series winches		Order as Required		
Allied P/N	Description	Length	Will Fill Drum To:	Order Quantity
WR6-142B	Wire Rope Assembly, 3/4"	142 FT (43 M)	2/3 Capacity (recommended)	
WR6-215B	Wire Rope Assembly, 3/4"	215 FT (65 M)	Full Capacity	
WR7-106J	Wire Rope Assembly, 7/8"	106 FT (32 M)	2/3 Capacity (recommended)	
WR7-160J	Wire Rope Assembly, 7/8"	160 FT (48 M)	Full Capacity	
WR8-60J	Wire Rope Assembly, 1"	60 FT (18 M)	2/3 Capacity (recommended)	
WR8-92J	Wire Rope Assembly, 1"	92 FT (28 M)	Full Capacity	

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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 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