



## W12E Towing Winch

### Recommended Service Kits

The following pages list the service kits that are available for your Allied W12E 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 this kit in stock at all times for regular maintenance.

Pages 2 also contains a Gasket Kit. Order this kit in preparation for the 5,000 hour scheduled maintenance.

Page 3 contains a Brake Assembly Kit and a Clutch Shaft Kits. Another Clutch Shaft Kit is contained on Page 4. Order the kits relevant for your winch in preparation for the 5,000 hour scheduled maintenance.

Page 4 also contains a Brake Shaft Bearing Kit and a Clutch Shaft Bearing Kit.

Page 5 also contains a Clutch Shaft Bearing Kit, a Drum & Intermediate Shaft Bearing and Seal Kit, and a list of wire rope assemblies.

Page 6 contains three Miscellaneous Parts lists. These parts will vary from installation to installation, but we recommend keeping these parts on hand. Refer to your parts manual for specific part numbers.

Page 7 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 and can be downloaded at <http://www.alliedsystems.com/pubs/pubs.htm>.

Filter Kit, P/N: 2311165			
<b>Applies to:</b>	Winches equipped with power controls, last used on S/N W12E-1599	See Section 5 in Parts Manual	
<b>Service Interval:</b>	First 250, then every 500 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311165</b>	<b>Kit, Filter</b>		
277490W	. Element, Filter	1	
186460W	. Gasket, Cover Plate	1	
265332W	. Gasket, Strainer Cover	1	

Filter Kit, P/N: 2311166			
<b>Applies to:</b>	Winches equipped with power controls, first used on S/N W12E-1600 and AW12E-1001 through AW12E-1105	See Section 5 in Parts Manual	
<b>Service Interval:</b>	First 250, then every 500 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311166</b>	<b>Kit, Filter</b>		
3001363W	. Element, Filter	1	
186460W	. Gasket, Cover Plate	1	
265332W	. Gasket, Strainer Cover	1	
2300935W	. Gasket, Strainer Cover	1	

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## Filter Kit, P/N: 2311375

<b>Applies to:</b>	Winches equipped with power controls, first used on S/N AW12E-1106	<b>See Section 5 in Parts Manual</b>	
<b>Service Interval:</b>	First 250, then every 500 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311375</b>	<b>Kit, Filter</b>		
3001363W	. Element, Filter	1	
2304734W	. Gasket, Filter Cover	1	
2300935W	. Gasket, Strainer Cover	1	

## Filter Kit, P/N: 2311376

<b>Applies to:</b>	Winches equipped with electronic controls	<b>See Section 5 in Parts Manual</b>	
<b>Service Interval:</b>	First 250, then every 500 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311376</b>	<b>Kit, Filter</b>		
2304112W	. Element, Filter	1	
2300935W	. Gasket, Strainer Cover	1	
2304734W	. Gasket, Cover Plate	1	

## Gasket Kit, P/N: 281939W

<b>Applies to:</b>	All W12E winches	<b>See Section 5 in Parts Manual</b>	
<b>Service Interval:</b>	Every 5,000 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>281939W</b>	<b>Kit, Gasket</b>		
164708W	. Gasket, Valve Cover Plate	1	
186460W	. Gasket, Filter Cover Plate	1	
286046W	. Gasket, Cover Plate	1	
95455W	. Gasket, Cover Plate	1	
2314838	. Gasket, Transmission Cover	2	
265332W	. Gasket, Strainer Cover	1	
15895W	. O-Ring, Bearing Retainer	1	
196022W	. Gasket, Block	1	
2300935W	. Gasket, Strainer Cover	1	
303946W	. Gasket, Cover Plate	1	
2304732W	. Gasket, Valve Cover Plate	1	
2304734W	. Gasket, Filter Cover Plate	1	



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## Brake Assembly Kit, P/N: 2311368

<b>Applies to:</b>	All W12E winches	<b>See Section 5 in Parts Manual</b>	
<b>Service Interval:</b>	Every 5,000 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311368</b>	<b>Kit, Brake Assembly</b>		
328716W	. Disc, Friction	10	
264062W	. Plate, Separator	9	
131983W	. O-Ring	1	
131982W	. Ring	1	
58905W	. Snap Ring, External	1	

## Clutch Shaft Kit, P/N: 2311369

<b>Applies to:</b>	W12E winches with gear ratios 1, 3, 4, and 6	<b>See Section 5 in Parts Manual</b>	
<b>Service Interval:</b>	Every 5,000 hours		
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311369</b>	<b>Kit, Clutch Shaft</b>		
2310569W	. Service Kit, W12E Clutch	2	
328716W	.. Disc, Friction	8	
264062W	.. Plate, Separator	8	
264192W	.. Spring	11	
89775W	.. O-Ring	1	
79978W	.. O-Ring	1	
89776W	.. O-Ring	1	
95581W	. Ring, Seal	4	
263457W	. Snap Ring, External	1	
12990W	. Snap Ring, Internal	2	
39678W	. O-Ring	4	
39675W	. O-Ring	2	
175193W	. Lockwasher	1	
32967W	. Locknut	1	

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## Clutch Shaft Kit, P/N: 2311370

Applies to:		W12E winches with gear ratio 7	See Section 5
Service Interval:		Every 5,000 hours	in Parts Manual
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311370</b>	<b>Kit, Clutch Shaft</b>		
2310569W	. Service Kit, W12E Clutch	2	
328716W	. . Disc, Friction	8	
264062W	. . Plate, Separator	8	
264192W	. . Spring	11	
89775W	. . O-Ring	1	
79978W	. . O-Ring	1	
89776W	. . O-Ring	1	
39495W	. O-Ring	2	
263457W	. Snap Ring, External	1	
95581W	. Ring, Seal	4	
39678W	. O-Ring	2	
318701W	. Adhesive	1	
175193W	. Lockwasher	1	
32967W	. Locknut	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>.

## Brake Shaft Bearing Kit, P/N: 2311371

Applies to:		All W12E winches	See Section 5
Service Interval:		Every 10,000 hours	in Parts Manual
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311371</b>	<b>Kit, Brake Shaft Bearing</b>		
30101W	. Cone, Bearing	1	
30100W	. Cup, Bearing	1	
230326W	. Cone, Bearing	1	
30104W	. Cone, Bearing	1	

## Clutch Shaft Bearing Kit, P/N: 2311372

Applies to:		W12E winches with gear ratios 1, 3, 4, and 6	See Section 5
Service Interval:		Every 10,000 hours	in Parts Manual
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311372</b>	<b>Kit, Clutch Shaft Bearing</b>		
30069W	. Cone, Bearing	1	
30059W	. Cup, Bearing	2	
230393W	. Bearing, Roller	1	
41217W	. Bearing, Ball	1	
230394W	. Bearing, Roller	2	
30080W	. Cone, Bearing	1	



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## Clutch Shaft Bearing Kit, P/N: 2311373

<b>Applies to:</b>	W12E winches with gear ratio 7	<b>See Section 5</b>	
<b>Service Interval:</b>	Every 10,000 hours	<b>in Parts Manual</b>	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311373</b>	<b>Kit, Clutch Shaft Bearing</b>		
30080W	. Cone, Bearing	1	
2307949W	. Cone, Bearing	4	
2307950W	. Cup, Bearing	4	

## Drum & Intermediate Shaft Bearing and Seal Kit, P/N: 2311374

<b>Applies to:</b>	All W12E winches	<b>See Section 5</b>	
<b>Service Interval:</b>	Every 10,000 hours	<b>in Parts Manual</b>	
Allied P/N	Description	Quantity in Kit	Order Quantity
<b>2311374</b>	<b>Kit, Drum &amp; Intermediate Shaft Bearing and Seal</b>		
231011W	. Cone, Bearing	2	
230327W	. Cup, Bearing	2	
141149W	. Seal, Oil	1	
44570W	. Seal, Oil	1	
39764W	. O-Ring	1	
15888W	. O-Ring	1	
15886W	. O-Ring	1	
230329W	. Bearing	1	

## Wire Rope Assemblies

Order as Required

**Applies to:** All W12E winches

Allied P/N	Description	Length	Will Fill Drum To:	Order Quantity
WR8-188J	Wire Rope Assembly, 1"	188 FT (57 M)	2/3 Capacity (recommended)	
WR8-285J	Wire Rope Assembly, 1"	285 FT (87 M)	Full Capacity	
WR9-150J	Wire Rope Assembly, 1 1/8"	150 FT (46 M)	2/3 Capacity (recommended)	
WR9-228J	Wire Rope Assembly, 1 1/8"	228 FT (69 M)	Full Capacity	
WR10-119J	Wire Rope Assembly, 1 1/4"	119 FT (36 M)	2/3 Capacity (recommended)	
WR10-181J	Wire Rope Assembly, 1 1/4"	181 FT (55 M)	Full Capacity	
YS10-182JWS	Wire Rope Assembly, 1 1/4"	182 FT (55 M)	Full Capacity	

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## Miscellaneous Parts for All W12E Winches

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. Check the parts manual to determine the part number for your particular winch in the section indicated.

Allied P/N	Description	Parts Manual Section	Order Quantity
95959W	Drawbar Pin	Section 1	
2303221W	Drawbar Pin, Keeper	Section 1	
Tractor Model Specific	Driveline and/or related components such As U-Joints	Section 1	
Tractor Model Specific	PTO Input Shaft Seal(s)	Section 2	
Tractor Model Specific	PTO Input Bearing(s)	Section 2	
Tractor Model Specific	Input Yoke(s) (if Present)	Section 2	
Gear Ratio/Winch Serial Number Specific	Hydraulic Pump	Section 3	

## Miscellaneous Parts for W12E Winches Equipped with Power Controls

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. Check the parts manual to determine the part number for your particular winch in the section indicated.

Allied P/N	Description	Parts Manual Section	Order Quantity
Tractor Model Specific	Control Cables	Section 3	
Tractor Model Specific	Handlevers	Section 3	

## Miscellaneous Parts for W12E Winches Equipped with Electronic Controls

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. Check the parts manual to determine the part number for your particular winch in the section indicated.

Allied P/N	Description	Parts Manual Section	Order Quantity
2304603W	Communication Cable (used for programming and troubleshooting ECM)		
Tractor Model/Gear Ratio/Serial Number Specific	Control Levers	Section 3	
Winch Serial Number Specific	Coils and Valves for Control Manifold	Section 3	
Winch Serial Number Specific	Wire Harnesses	Section 3	
Tractor Model Specific	Joystick Panel Switches	Section 3	
Tractor Model/Gear Ratio/Serial Number Specific	Programmed Control Module, ECM		

## Tool Kits

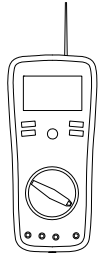
Order these Tool Kits as required for installation, maintenance and service of your winch(es).

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

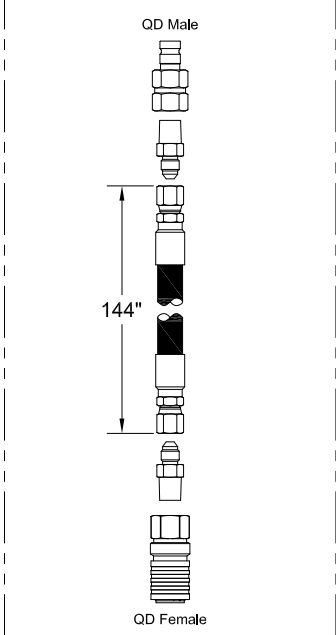
Order these Tools as required for maintenance and service of your winch(es).

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	



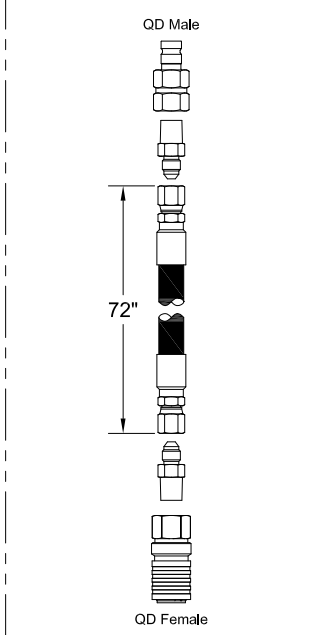
**69778**  
Multi-Meter, 12 Function

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



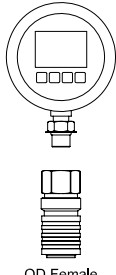
144"

**70381**  
Kit, Hose Assembly, W/QD Both Ends



72"

**69782**  
Kit, Hose Assembly, W/QD Both Ends



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

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