Automatic Washers

Refer to Page 3 for Model Numbers

Parts

W162C_200640

Alliance Laundry Systems

www.comlaundry.com

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Parts Ordering Information

If literature or replacement parts are required, contact the source from whom the machine was purchased or contact Alliance Laundry Systems at (920) 748-3950 for the name and address of the nearest authorized parts distributor.

For technical assistance, call either of the numbers listed below:

(920) 748-3121 Ripon, Wisconsin

+32 56 41 20 54 Wevelgem, Belgium

Nameplate Location

When calling or writing about your product, be sure to mention model and serial numbers. Model and serial numbers are located on nameplate(s) as shown.

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Model Identification

Information in this manual is applicable to these washer models:

BA2300
BA2410
BA2411
BA3110
BA3110-1188
BA3110-3088
BA4120
BA4120-3088
BA4121
BA4121-3088

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Graphic Panel, Control Hood and Controls

Models BA3110, BA3110-1188, BA3110-3088, BA4120, BA4120-3088, BA4121 and BA4121-3088

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Graphic Panel, Control Hood and Controls

REF	PART NO.	DESCRIPTION	COMMENTS
1	31205	Graphic Panel	Models BA4120, BA4120-3088, BA4121 and BA4121-3088
	31207	Graphic Panel	All other models
2	34460	End Cap	Left
3	31752	Screw	
4	31735	Control Hood Assembly	
5	31266	Rotary Pressure Switch	
6	31260	Screw	
7	21300	Temperature Switch	
8	23962	Screw	
9	31241P	Timer	Models BA3110-3088, BA4120-3088 and BA4121-3088; Although these timers differ in appearance, they are completely interchangeable when identified by the same part number
	31239P	Timer	All other models; Although these timers differ in appearance, they are completely interchangeable when identified by the same part number
10	34459	End Cap	Right
11	31267	Timer Skirt Assembly	
12	31281	Timer Knob Assembly	
13	57584	Nut	
14	31287	Knob Assembly	
15	10519	Retainer	

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Control Panel and Controls

Models BA2300, BA2410 and BA2411

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Control Panel and Controls

REF	PART NO.	DESCRIPTION	COMMENTS
1	10519	Retainer	
2	28124	Switch Knob Assembly	
3	57584	Nut	
4	25124	End Casting	Left
5	25126	Nut	
6	21300	Temperature Switch	
7	91176	Washer	
8	21302	Temperature Switch	Models BA2410 and BA2411
9	23962	Screw	
10	27778	Pressure Switch	
11	25232	Screw	
12	25123	End Casting	Right
13	28918P	Timer	
14	28999	Control Panel Assembly	Models BA2410 and BA2411
	29000	Control Panel Assembly	Model BA2300
15	23360	Panel Support Bracket	
16	20493	Washer	
17	24859	Support Angle Sleeve	
18	28287	Timer Knob Assembly	
19	26319	Spring	
20	27382	Timer Knob Assembly	
21	26318	Screw	
22	91176	Washer	

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Cabinet Top, Loading Door and Control Hood Rear Panel

Models BA3110, BA3110-1188, BA3110-3088, BA4120, BA4120-3088, BA4121 and BA4121-3088

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Cabinet Top, Loading Door and Control Hood Rear Panel

REF	PART NO.	DESCRIPTION	COMMENTS
1	21685	Bumper	
2	31315WP	Lid and Carton Assembly	White
	31315LP	Lid and Carton Assembly	Almond
3	27626	Hinge	
4	21752	Nut	Nylon
5	27149	Lid Switch Catch	
6	27203	Screw and Washer Assembly	
7	37782	Hood Back Panel	
8	27625	Bushing	
9	23962	Screw	
10	38384	Strain Relief	
11	52909	Screw	
12	505281	Disconnect Power Warning Label	
13	32808WP	Top and Carton Assembly	White
	32808LP	Top and Carton Assembly	Almond
14	56534	Support Barrel	
15	33562	Screw	
16	34776	Bleach Dispenser	Models BA4120, BA4120-3088, BA4121 and BA4121-3088

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Cabinet Top, Loading Door and Control Hood

Models BA2300, BA2410 and BA2411

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Cabinet Top, Loading Door and Control Hood

REF	PART NO.	DESCRIPTION	COMMENTS
1	21685	Bumper	
2	27665W	Loading Door	
3	27626	Hinge	
4	21752	Nut	Nylon
5	27149	Lid Switch Catch	
6	27203	Screw and Washer Assembly	
7	03673	Nut	
8	03815	Washer	
9	20267	Screw	
10	505281	Disconnect Power Warning Label	
11	24522	Nut	
12	29551W	Control Hood	
13	23028	Gasket	
14	38384	Strain Relief	
15	23425	Washer	
16	23962	Screw	
17	20493	Washer	
18	27662W	Top Assembly	Models BA2410 and BA2411
	27663W	Top Assembly	All other models
19	56534	Support Barrel	
20	23008	Screw	
21	36020	Nut	
22	34776	Bleach Dispenser	Models BA2410 and BA2411
23	27625	Bushing	

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Switch and Bracket Assembly

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Switch and Bracket Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	29042	Lid Switch Shield	
2	Q6516	Screw	
3	27249	Switch	
4	27837	U-Clip	
5	27603	Switch Lever Spring	
6	27248	Nut	
7	27610	U-Clip	
8	28193	Screw	
9	N/A	Washer	
10	27250	Out-of-Balance Switch Bracket	
11	29043	Nut	
12	27602	Out-of-Balance Switch Lever	

N/A = Part no longer available

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Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket (Drawing 1 of 2)

Models BA3110, BA3110-1188, BA3110-3088, BA4120, BA4120-3088, BA4121 and BA4121-3088

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Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	23962	Screw	
2	36801	Hose Clamp	
3	27183	Mixing Valve Hose	
4	20211	Hose Clamp	
5	34280	Backflow Preventer Assembly	
6	35370	Hose Clamp	Green
7	31140	Water Inlet Hose	
8	29210	Hose Clamp	Red
9	803615	Washer	Filter
10	F200116	Water Hose	Hose is equipped with 2 standard hose couplings; Includes items 9 and 11
	38349P	Fill Hose Kit	Hose is equipped with 1 metric and 1 standard hose coupling; Includes item 11
11	20290	Washer	
12	39407	Mixing Valve Mounting Bracket	
13	54038	Nut	

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Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket (Drawing 2 of 2)

Models BA2300, BA2410 and BA2411

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Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	23962	Screw	
2	36801	Hose Clamp	
3	27183	Mixing Valve Hose	
4	20211	Hose Clamp	
5	34280	Backflow Preventer Assembly	
6	35370	Hose Clamp	Green
7	29182	Water Inlet Hose	
8	29210	Hose Clamp	Red
9	29154	Water Inlet Head	
10	803615	Washer	Filter
11	F200116	Water Hose	Includes items 10 and 12
12	20290	Washer	
13	39407	Mixing Valve Mounting Bracket	
14	54038	Nut	

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Mixing Valve Assembly

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Mixing Valve Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	24128	Sleeve	Long
2	25817C	Screw	
3	35856P	Mixing Valve	Models BA3110-3088, BA4120-3088 and BA4121-3088
	33930P	Mixing Valve	All other models
4	24158	Mounting Bracket	
5	24130	Armature Guide	
6	24132	Armature	
7	F270200	Strainer	
8	24159	Valve Body	
9	24134	Diaphragm	
10	24131	Spring	
11	24129	Sleeve	Short
12	24136	Solenoid	Models BA3110-3088, BA4120-3088 and BA4121-3088
	24126	Solenoid	All other models

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Agitator, Drive Bell and Seal Seat

Short Post Models

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Agitator, Drive Bell and Seal Seat

REF	PART NO.	DESCRIPTION	COMMENTS
1	33510	Fabric Softener Dispenser Assembly	Optional on some models
2	33514	Agitator	
3	30852	Screw	
4	30853	Seal	
5	39508P	Drive Bell and Seal Kit	
6	30021	Seat Seal Assembly	

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Agitator and Post

Long Post Models

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Agitator and Post

REF	PART NO.	DESCRIPTION	COMMENTS
1	27707	Dispenser Assembly	Optional on some models
2	27138	Agitator Cap Assembly	
3	27189	Washer	
4	27120	Agitator Assembly	
5	20243	Taper Pin	
6	28091	Agitator Shaft Assembly	
7	04704	Washer	Stainless steel
8	27202	Screw	
9	10429	Washer	
10	27020	Gasket	Use with 28933 or 28934 Center Column Assembly
	37577P	Transmission Sealant	Use with item 13 or 14
11	27197	Retaining Ring	
12	27164	Washer	
13	28933	Center Column Assembly	
14	28934	Center Column Assembly	
15	20057	Washer	

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Lint Filter, Washtub and Hub (Drawing 1 of 2)

Models BA3110, BA3110-1188, BA3110-3088, BA4120, BA4120-3088, BA4121 and BA4121-3088

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Lint Filter, Washtub and Hub (Drawing 1 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	33521	Lint Filter	
2	27202	Screw	
3	28094	Washer	
4	39252P	Tub Assembly	Porcelain
	39387P	Tub Assembly	Stainless steel
5	39122	Washtub Gasket	
6	495P3	Hub and Seal Kit	Includes 27184 Cover Gasket and 30021 Seat Seal Assembly
7	29728	Spline Insert	
8	29220	Nut	
9	39508P	Drive Bell and Seal Kit	

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Lint Filter, Washtub and Hub (Drawing 2 of 2)

Models BA2300, BA2410 and BA2411

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Lint Filter, Washtub and Hub (Drawing 2 of 2)

REF	PART NO.	DESCRIPTION	COMMENTS
1	29474	Lint Filter Fastener	
2	33521	Lint Filter	
3	27202	Screw	
4	28094	Washer	
5	39252P	Tub Assembly	Porcelain
	39387P	Tub Assembly	Stainless steel
6	39122	Washtub Gasket	
7	356P3	Seal Kit	Includes 27184 Cover Gasket
8	27163	Washer	
9	29220	Nut	

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Outer Tub, Cover and Pressure Hose

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Outer Tub, Cover and Pressure Hose

REF	PART NO.	DESCRIPTION	COMMENTS
1	39125	Tubing	
2	29901	Plug	
3	03815	Washer	
4	503661	Screw	
5	27247	Out-of-Balance Switch Trigger	
6	23425	Washer	
7	31153	Outer Tub Cover	Includes item 2
8	27184	Tub Cover Gasket	Included with 356P3 or 495P3 Hub and Seal Kit
9	27017	Spring Clip	
10	507P3	Outer Tub Kit	Models BA3110, BA3110-1188 and BA3110-3088
	30508	Outer Tub	All other models
11	27239	Leg Spring	
12	35369	Screw	
13	27926	Leg Plate	.063 inch thick
14	27927	Leg Plate	.032 inch thick
15	27195	Warning Sticker	
16	29175	Grommet	
17	30907	Pressure Bulb	
18	39282	Hose Clamp	

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Motor, Mounting Bracket, Belts and Idler Assembly

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Motor, Mounting Bracket, Belts and Idler Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	258P3	Capacitor Kit	For areas where low voltage exists
	20605	Hi-Temp Lube	Use on idler shaft
1	28056	Pump Motor Pulley	Models BA3110-3088, BA4120-3088 and BA4121-3088
	27104	Motor Pulley	Pump; All other models
2	24139	Motor Switch	Used with 30895 Emerson motor
	24140	Motor Switch	Used with 30897 Emerson motor
	30895A	Motor Switch	Used with 30895 General Electric motor
	30897AP	Motor Switch	Used with 30897 General Electric motor
3	27136	Motor Shield	
4	27201	Nut	
5	27658P	Motor Kit	1 speed; 120 Volt/60 Hertz/1 Phase; Models BA2300, BA3110 and BA3110-1188
	27179P	Motor Kit	2 speed; 120 Volt/60 Hertz/1 Phase; All other models
	30010	Motor Assembly	1 speed; 230 Volt/50 Hertz; Model BA3110-3088
	28341	Motor and Pulley Assembly	2 speed; 230 Volt/50 Hertz; Models BA4120-3088 and BA4121-3088
6	27171	Motor Pulley	
7	23750	Roll Pin	
8	28087	Roll Pin	Models BA3110-3088, BA4120-3088 and BA4121-3088
	10416	Roll Pin	All other models
9	503661	Screw	
10	03888	Washer	
11	01952A	Rubber Motor Mount	Upper
12	52566	Nut	
13	28791	Motor Mounting Bracket	
14	30620	Idler Lever Helper Spring	
15	28803	Nut	
16	31054	Idler Lever	
17	81392	Washer	
18	27229	Screw	
19	28849	Spring Clip	
20	28802P	Idler Shaft	
21	29443	Washer	Felt
22	37366	Idler Spring	
23	00161	Grounding Clip	
24	23604	Nut	
25	01953	Rubber Motor Mount	Lower
26	27181	Motor Spacer	
27	33843	Belt	Agitate and spin; Models BA3110-3088, BA4120-3088 and BA4121-3088
	28808	Belt	Agitate and spin; All other models
28	28043	Pump Belt	Models BA3110-3088, BA4120-3088 and BA4121-3088
	27155	Pump Belt	All other models
29	23748	Retaining Ring	
30	52549	Washer	Nylatron
31	28800P	Idler Pulley	

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Transmission Assembly and Balance Ring - Short Post Models

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Transmission Assembly and Balance Ring - Short Post Models

REF	PART NO.	DESCRIPTION	COMMENTS
1	27222	Nut	
2	M400057	Screw	
3	27604P	Anti-Seize Compound	Apply to upper and lower transmission tubes
4	33227P	Transmission Assembly	
5	27200	Screw	
6	24475	Washer	Models BA3110-3088, BA4120-3088 and BA4121-3088
	02431	Washer	All other models
7	34731	Balance Ring Assembly	
8	04366	Washer	
9	27182	Bearing Housing Assembly	Upper
10	27187	Flinger	

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Components for 33227P Transmission Assembly

Short Post Models

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Components for 33227P Transmission Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	27197	Retaining Ring	
2	36570P	Output Shaft	
3	20212	Washer	
4	33223P	Transmission Case Assembly	
5	29161P	Reduction Gear	
6	29260	Washer	
7	29273	Screw	
8	27243P	Transmission Oil	1 fill
9	26577	Gear and Stud Assembly	
10	27030	Screw	
11	21456	Washer	
12	26509	Washer	
13	36562P	Drive Pinion	
14	27081P	Input Shaft	
15	27016	Washer	
16	27172	Dowel Pin	
17	31709	Screw	
18	38287P	Transmission Cover Assembly	
19	26493	Slide	
20	201664	Rack	
21	27003	Agitator Pinion	

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Transmission Assembly and Balance Ring - Long Post Models

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Transmission Assembly and Balance Ring - Long Post Models

REF	PART NO.	DESCRIPTION	COMMENTS
1	04366	Washer	
2	27182	Bearing Housing Assembly	Upper
3	27187	Flinger	
4	27222	Nut	
5	27166	Washer	
6	M400057	Screw	
7	34731	Balance Ring Assembly	
8	27604P	Anti-Seize Compound	Apply to upper and lower transmission tubes
9	30946P	Transmission Assembly	
10	27200	Screw	
11	24475	Washer	Models BA3110-3088, BA4120-3088 and BA4121-3088
	02431	Washer	All other models

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Components for 30946P Transmission Assembly

Long Post Models

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Components for 30946P Transmission Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	37577P	Transmission Sealant	Use as a sealant between transmission case and cover
1	27197	Retaining Ring	
2	368P3	Coupling and Shaft Kit	
3	33223P	Transmission Case Assembly	
4	36107P	Bearing	
5	28114	Seal	
6	29161P	Reduction Gear	
7	29260	Washer	
8	29273	Screw	
9	27243P	Transmission Oil	1 fill
10	26577	Gear and Stud Assembly	
11	27030	Screw	
12	21456	Washer	
13	26509	Washer	
14	36562P	Drive Pinion	
15	27081P	Input Shaft	
16	27016	Washer	
17	30893	Clutch and Bearing Assembly	
18	27172	Dowel Pin	
19	02431	Washer	
20	20253	Screw	
21	38287P	Transmission Cover Assembly	
22	27022	Bearing	
23	26493	Slide	
24	201664	Rack	
25	27003	Agitator Pinion	
26	36107P	Bearing	

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Bearing Housing, Brake, Pulley and Pivot Dome

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Bearing Housing, Brake, Pulley and Pivot Dome

REF	PART NO.	DESCRIPTION	COMMENTS
1	35746	Bearing Housing Assembly	
2	28944RP	Upper or Lower Bearing	
3	27176	Spacer	
4	33435	Spring	
5	27090	Support Leg	
6	35369	Screw	
7	04366	Washer	
8	27124	Pivot Dome	
9	27220	Screw	
10	26509	Washer	
11	27018	Helix	
12	34232P	Pulley and Washers Kit	
13	27015	Washer	
14	38505P	Brake Kit	
15	26547	Screw	
16	29993	Anti-Rotation Sleeve	
17	548P3	Brake Pad Kit	Includes 3 pads and sleeves

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Pump Assembly, Bracket, Hoses and Siphon Break Kit

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Pump Assembly, Bracket, Hoses and Siphon Break Kit

REF	PART NO.	DESCRIPTION	COMMENTS
	451P3	Drain Extension Kit	Use with 20616 Drain Hose; Order by the foot as required
1	562P3	Siphon Break Kit	Must be installed in drain hose if the drain receptacle is lower than the cabinet top of the washer
2	29144	Drain Hose Sleeve	
3	39952	Drain Hose	
4	27160	Drain Tub-to-Pump Hose	
5	29936	Hose Retainer Clip	
6	33489	Standpipe Strap	
7	27196	Screw	
8	29131	Hose Retainer	
9	29284	Hose Support	Mounts to washer base
10	29143	Hose Adapter	
11	29172	Hose Clamp	
12	31968	Pump Assembly	
13	31098	Screw	
14	27105	Pump Mounting Bracket	
15	503661	Screw	
16	27644	Hose Clamp	
17	27232	Recirculating Hose	
18	20391	Hose Clamp	
19	20211	Hose Clamp	
20	27159	Tub-to-Pump Hose	

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Front Panel, Cabinet and Base

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Front Panel, Cabinet and Base

REF	PART NO.	DESCRIPTION	COMMENTS
	26594P	Silicone Grease	For pads in base
1	28835	Speed Clip	
2	32708WP	Front Panel	White
	32708LP	Front Panel	Almond
3	38612WP	Service Cabinet Kit	White
	38612LP	Service Cabinet Kit	Almond
4	56128	Bumper Pad	
5	56079	Panel Locator	
6	39733	Screw	
7	51780	Screw	
8	23962	Screw	
9	27103	Hold-Down Lug Hinge	
10	27196	Screw	
11	31653P	Base Assembly	Includes snubber pads
12	434P3	Snubber Pad Kit	Includes 4 pads
13	34319	Leveling Leg	
14	21749	Rubber Foot	
15	21899	Nut	
16	28102	Panel Locator	

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Power Cord and Wire Terminals

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Power Cord and Wire Terminals

REF	PART NO.	DESCRIPTION	COMMENTS
1	00188	Female Terminal	Used for 1 or 2 wire application
2	32746	24 Position Housing	
3	52909	Screw	
4	34458	Lead-In Cord	
5	00116	Male Pin Terminal	
6	23041	6 Circuit Plug	
7	26708	6 Circuit Receptacle	
8	00117	Female Pin Terminal	
9	26302	1 Circuit Plug	
10	26301	1 Circuit Receptacle	
11	00359	Insulated Female Spade Terminal	1/4 inch
	00165	Insulated Female Terminal	3/16 inch
12	00180	Female Terminal	1 wire
13	00183	Female Terminal	2 wire
14	28856	24 Position Housing	
15	00214	Pre-Insulated Spade Terminal	18 gauge
	00215	Pre-Insulated Spade Terminal	12 gauge
16	00115	Female Spade Terminal	
17	90789	Receptacle Housing	
18	55881	Harness Strap	
19	51291	Wire Clip	
20	00223	Female Spade Terminal	(1) 18 gauge wire
	00121	Female Spade Terminal	(2) 18 gauge wires or (1) 12 gauge wire
21	00120	Female Flag Terminal	
22	29673	Terminal Adapter	
23	21091	Connector	
24	00113	Ring Terminal	1/4 inch ring
25	00111	Ring Terminal	Large shank; (2) 18 gauge wires
26	00110	Ring Terminal	Small shank; (1) 18 gauge wire
27	70210	Insulator	
28	00161	Grounding Clip	

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Special Tools

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Special Tools

REF	PART NO.	DESCRIPTION	COMMENTS
1	321P4	Spring Hook Tool	Use to remove 5 centering springs from outer tub
2	306P4	Hex Wrench Tool	Use to remove hex locknut from washtub hub
3	230P4	Guide Spindle	Use to remove hub from transmission; Long post models only
4	241P4	Seal Installer	Use to install 356P3 Washer Seal Kit; Long post models only
5	242P4	Spring Installer	Use to install brake spring

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Special Tools - Short Post Models

W418P_200640

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Special Tools - Short Post Models

REF	PART NO.	DESCRIPTION	COMMENTS
1	294P4	Agitator Drive Bell Puller	Use to remove and install drive bell to transmission shaft
2	254P4P	Agitator Hook	Set of 2; Use to remove agitator from drive bell by hand
3	256P4P	Agitator Puller Assembly	Use to remove agitator from drive bell
4	255P4	Seal Tool	Use to install the seal seat and the seal head

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Notes

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