

Automatic Washers

Refer to Page 3 for Model Numbers

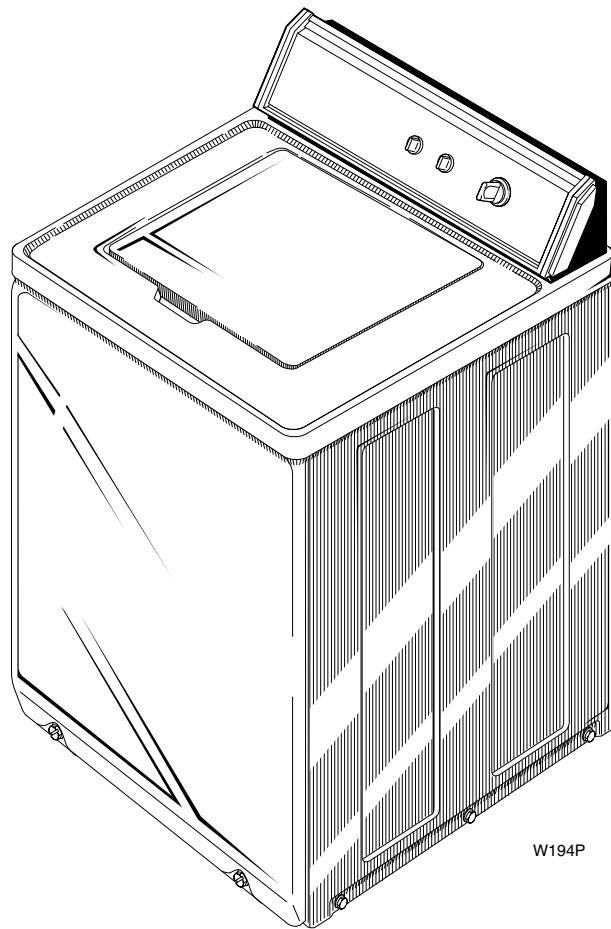


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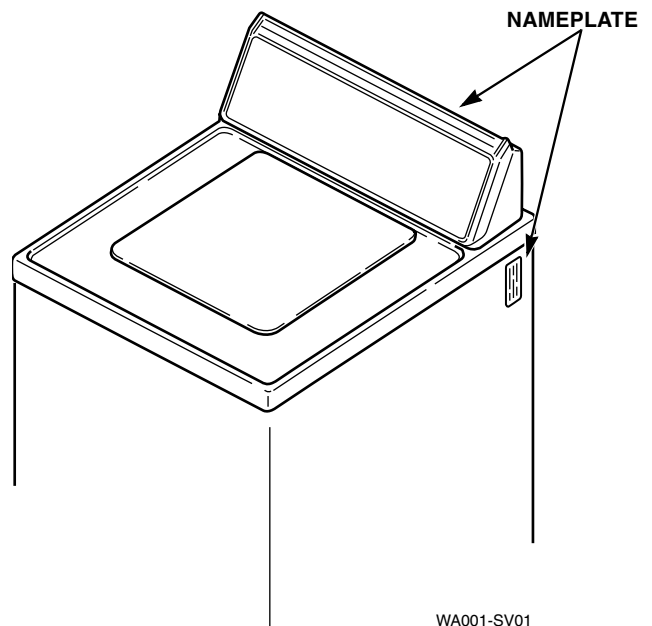
Parts Ordering Information

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

For technical assistance, call (920) 748-3121.

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.



WA001-SV01

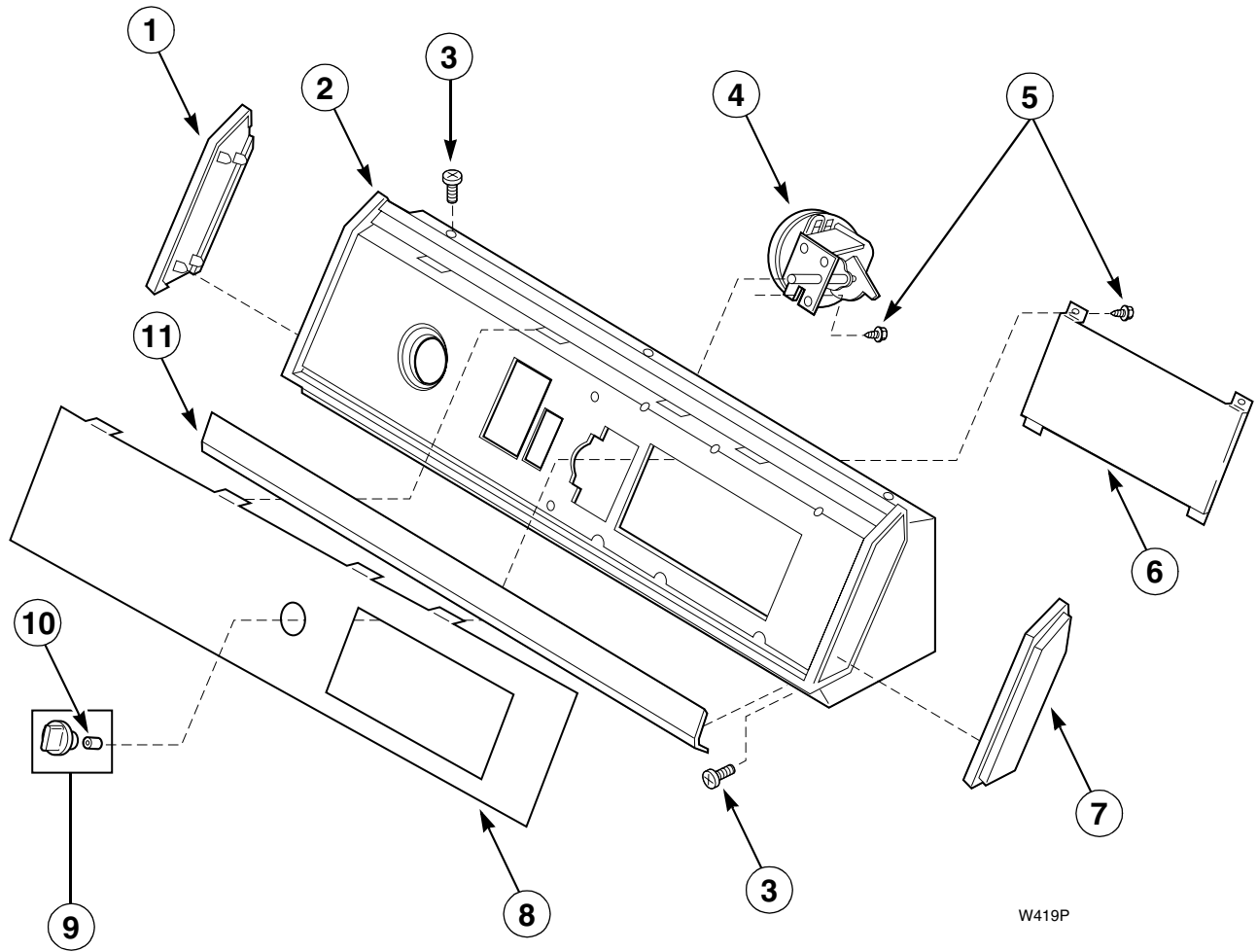
Model Identification

Information in this manual is applicable to these washer models:

AA3410	AA8431	AWE852	AWM332	AWM551
AA4410	AA9431	AWE931	AWM351	AWM631
AA4411	NA3812	AWE951	AWM352	AWM651
AA5420	NA4821	AWM230	AWM432	
AA5421	NA6821	AWM250	AWM452	
AA6421	NA8831	AWM331	AWM531	

Graphic Panel, Control Hood and Controls

Models AA9431, NA8831, AA8431, AWE951, AWE931 and AWE852



Graphic Panel, Control Hood and Controls

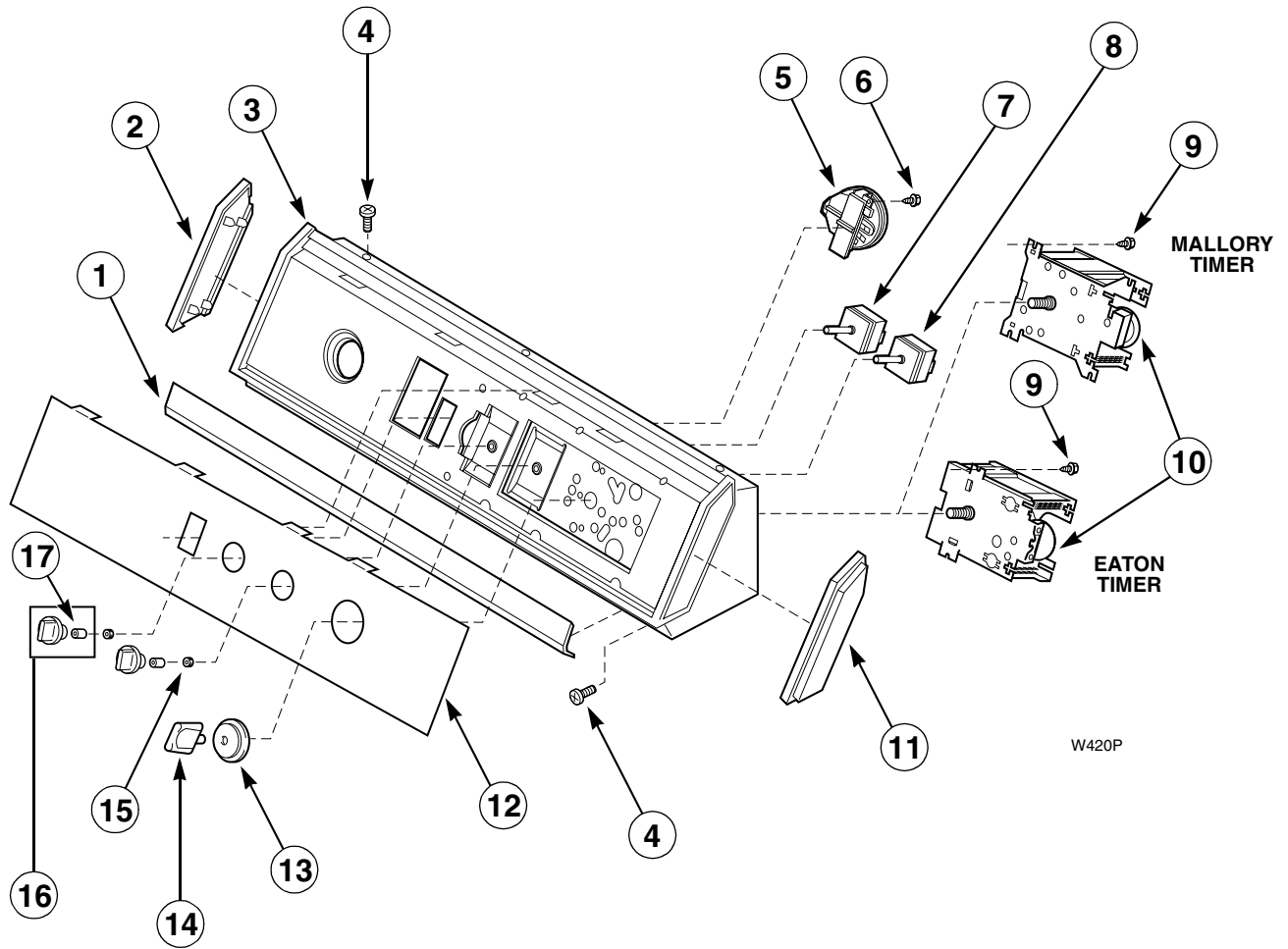
Models AA9431, NA8831, AA8431, AWE951, AWE931 and AWE852

REF	PART NO.	DESCRIPTION	COMMENTS
1	31249	End Cap	Left
2	31809	Control Hood Assembly	Models AA9431 and AA8431; N/A
	31224	Control Hood Assembly	Models NA8831, AWE951 and AWE852; Black
	33122	Control Hood Assembly	Model AWE931; Gray/Beige
3	31752	Screw	Use with black hood
	32993	Screw	Use with gray hood
4	31266	Pressure Switch	Models AA9431, NA8831, AA8431, AWE931, AWE951 and AWE852
5	31260	Screw	
6	31304	Electronic Control	Models AA9431 and NA8831
	31305	Electronic Control	Model AA8431
	33925P	Electronic Control	Model AWE951
	33926P	Electronic Control	Model AWE931
	33927	Electronic Control	Model AWE852
7	31248	End Cap	Right
8	32734	Graphic Panel	Models AA9431 and AA8431; N/A
	32665	Graphic Panel	Model NA8831; N/A
	33626	Graphic Panel	Models AWE951 and AWE852; N/A
	33782	Graphic Panel	Model AWE931
9	31286	Control Knob Assembly	Models AA9431, NA8831 and AA8431
	33610	Control Knob Assembly	Models AWE951 and AWE852
	33688	Control Knob Assembly	Model AWE931
10	10519	Clip	N/A
11	33123R	Trim Strip	Models AWE951, AWE931 and AWE852

N/A – Part no longer available

Graphic Panel, Control Hood and Controls

Models NA6821, AA6421, AWM651 and AWM631



Graphic Panel, Control Hood and Controls

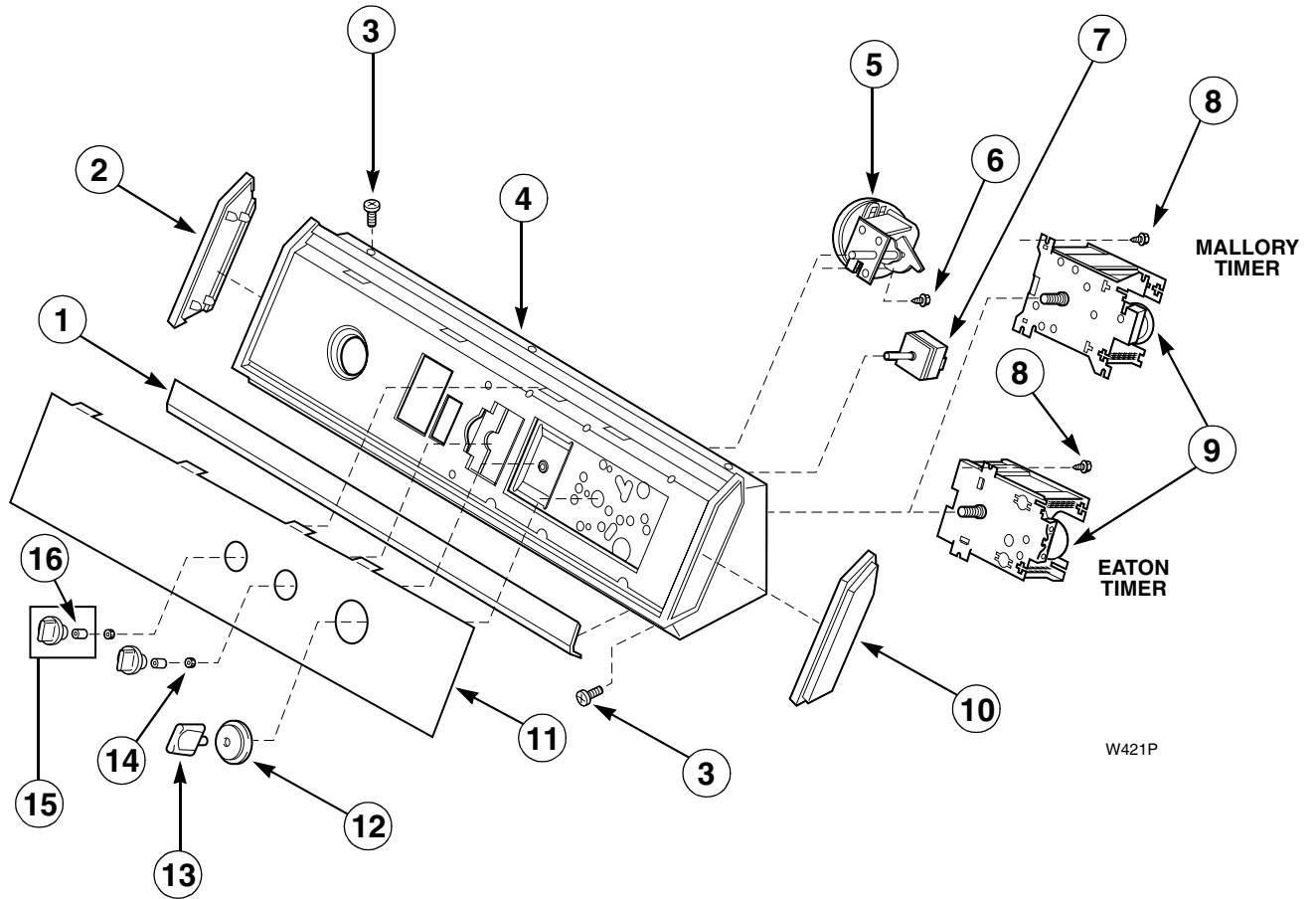
Models NA6821, AA6421, AWM651 and AWM631

REF	PART NO.	DESCRIPTION	COMMENTS
1	33123R	Trim Strip	Models AWM651 and AWM631
2	31249	End Cap	Left
3	32404	Control Hood Assembly	Models NA6821, AA6421 and AWM651
	34215	Control Hood Assembly	Model AWM631; N/A
4	31752	Screw	Use with black hood
	32993	Screw	Use with gray hood
5	31116	Pressure Switch	Models NA6821 and AA6421; N/A
	33960	Pressure Switch	Model AWM651
	33959	Pressure Switch	Model AWM631
6	31260	Screw	
7	24392	Temperature Switch	N/A
8	27500	Switch	Models NA6821 and AA6421
	33690	Switch	Models AWM651 and AWM631
9	23962	Screw	
10	32228	Timer	Models NA6821 and AA6421
	31240	Timer	Models AWM651 and AWM631
11	31248	End Cap	Right
12	32666	Graphic Panel	Model NA6821; N/A
	32730	Graphic Panel	Model AA6421; N/A
	33648	Graphic Panel	Model AWM651; N/A
	33787	Graphic Panel	Model AWM631; N/A
13	31279	Timer Knob Skirt	Models NA6821 and AA6421
	33817	Timer Knob Skirt	Model AWM651
	33818	Timer Knob Skirt	Model AWM631
14	31281	Timer Knob	Models NA6821 and AA6421
	33897	Timer Knob	Model AWM651
	33898W	Timer Knob	Model AWM631
15	57584	Nut	
16	31286	Control Knob Assembly	Models NA6821 and AA6421
	33610	Control Knob Assembly	Model AWM651
	33688	Control Knob Assembly	Model AWM631
17	10519	Clip	N/A

N/A – Part no longer available

Graphic Panel, Control Hood and Controls

Models AA5421, AA5420, NA4821, AWM551 and AWM531



Graphic Panel, Control Hood and Controls

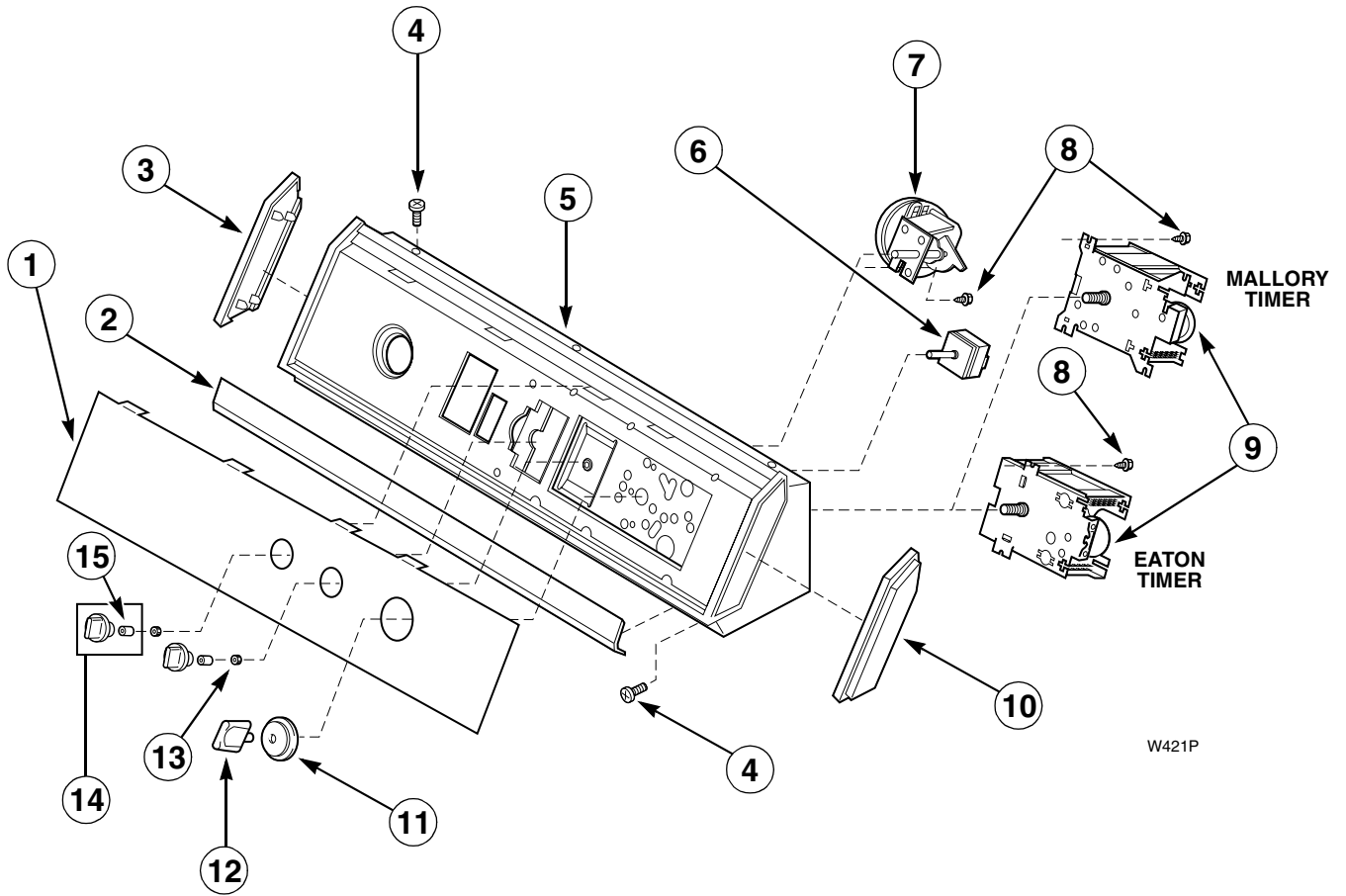
Models AA5421, AA5420, NA4821, AWM551 and AWM531

REF	PART NO.	DESCRIPTION	COMMENTS
1	33123R	Trim Strip	Models AWM551 and AWM531
2	31249	End Cap	Left
3	31752	Screw	Use with black hood
	32993	Screw	Use with gray hood
4	31735	Control Hood Assembly	Models AA5421, AA5420, NA4821 and AWM551
	34215	Control Hood Assembly	Model AWM531; N/A
5	31266	Pressure Switch	
6	31260	Screw	
7	32189	Temperature Switch	Models AWM551 and AWM531
	28118	Temperature Switch	All other models
8	23962	Screw	
9	32039	Timer	Models AWM551 and AWM531
	31239	Timer	All other models
10	31248	End Cap	Right
11	32726	Graphic Panel	Model AA5421; N/A
	33013	Graphic Panel	Model AA5420; N/A
	32667	Graphic Panel	Model NA4821; N/A
	33656	Graphic Panel	Model AWM551; N/A
	33734	Graphic Panel	Model AWM531
12	31279	Timer Knob Skirt	Models AA5421, AA5420 and NA4821
	33817	Timer Knob Skirt	Model AWM551
	33818	Timer Knob Skirt	Model AWM531
13	31281	Timer Knob	Models AA5421, AA5420 and NA4821
	33897	Timer Knob	Model AWM551
	33898W	Timer Knob	Model AWM531
14	57584	Nut	
15	31286	Control Knob Assembly	Models AA5421, AA5420 and NA4821
	33610	Control Knob Assembly	Model AWM551
	33688	Control Knob Assembly	Model AWM531
16	10519	Clip	N/A

N/A – Part no longer available

Graphic Panel, Control Hood and Controls

Models AA4411, AA4410, NA3812, AA3410, AWM452, AWM432, AWM352, AWM351, AWM332, AWM331, AWM250 and AWM230



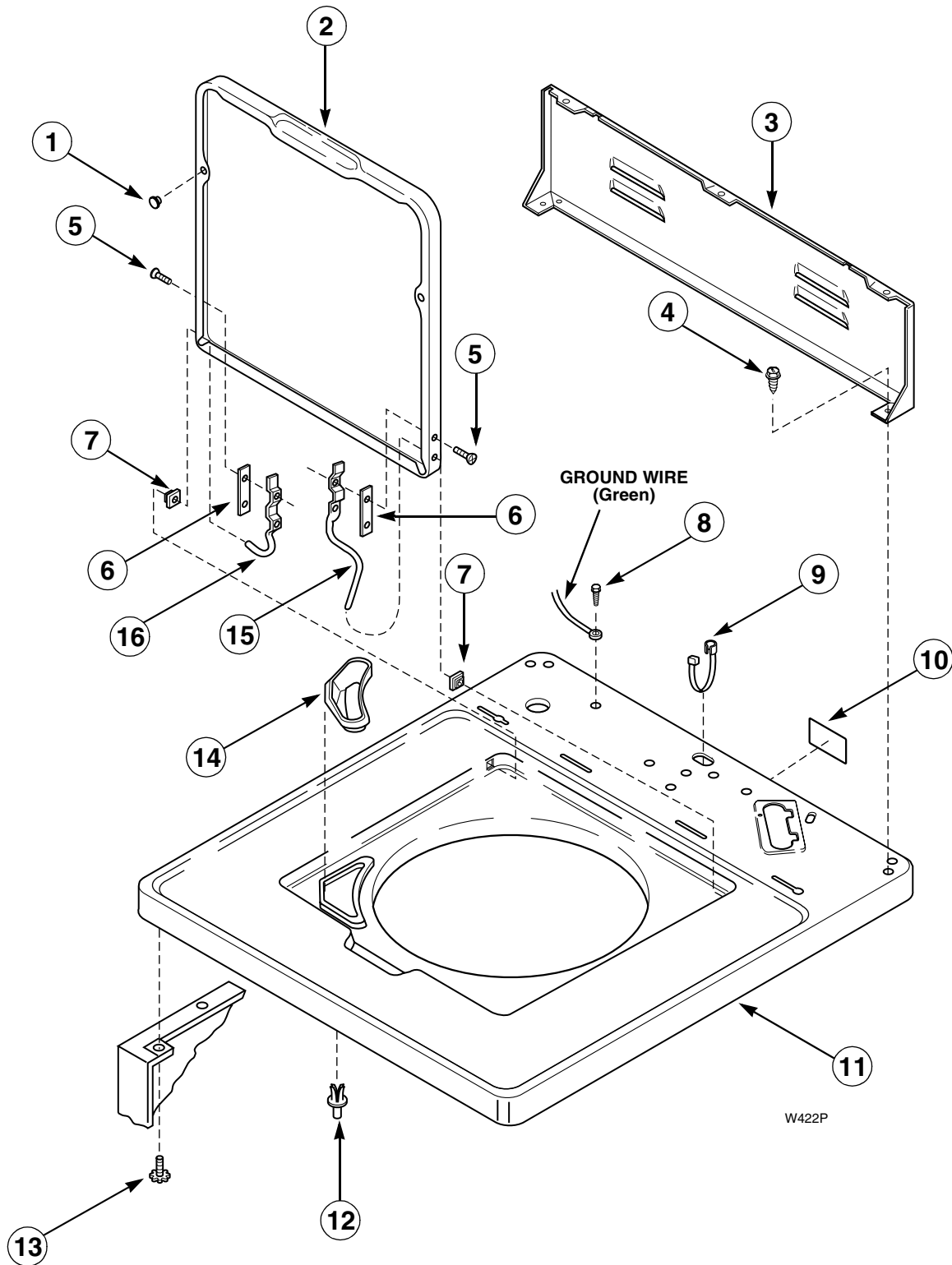
Graphic Panel, Control Hood and Controls

Models AA4411, AA4410, NA3812, AA3410, AWM452, AWM432, AWM352, AWM351, AWM332, AWM331, AWM250 and AWM230

REF	PART NO.	DESCRIPTION	COMMENTS
1	32722	Graphic Panel	Model AA4411; N/A
	32718	Graphic Panel	Model AA4410; N/A
	33146	Graphic Panel	Model NA3812; N/A
	32714	Graphic Panel	Model AA3410; N/A
	33673	Graphic Panel	Models AWM452, AWM352 and AWM351
	33742	Graphic Panel	Model AWM432; N/A
	33742	Graphic Panel	Model AWM332 and AWM331
	33681	Graphic Panel	Model AWM250; N/A
	33746	Graphic Panel	Model AWM230
2	33123R	Trim Strip	Models AWM452 and AWM432
3	31249	End Cap	Left
4	31752	Screw	Use with black hood
	32993	Screw	Use with gray hood
5	31735	Control Hood Assembly	Models AA4411, AA4410, NA3812, AA3410, AWM452, AWM352, AWM351 and AWM250
	34210	Control Hood Assembly	Models AWM432, AWM331, AWM332 and AWM230; N/A
6	21300	Temperature Switch	
7	31266	Pressure Switch	
8	23962	Screw	
9	31239	Timer	Models AA4411, AA4410, NA3812, AWM452, AWM432, AWM352, AWM351, AWM332 and AWM331
	31238	Timer	Models AA3410, AWM250 and AWM230
10	31248	End Cap	Right
11	31279	Timer Knob Skirt	Models AA4411, AA4410, NA3812 and AA3410
	33817	Timer Knob Skirt	Models AWM452, AWM352, AWM351 and AWM250
	33818	Timer Knob Skirt	Models AWM432, AWM332, AWM331 and AWM230
12	31281	Timer Knob	Models AA4411, AA4410, NA3812 and AA3410
	33897	Timer Knob	Models AWM452, AWM352, AWM351 and AWM250
	33898W	Timer Knob	Models AWM432, AWM332, AWM331 and AWM230
13	57584	Nut	
14	31286	Control Knob Assembly	Models AA4411, AA4410, NA3812 and AA3410
	33610	Control Knob Assembly	Models AWM452, AWM352, AWM351 and AWM250
	33688	Control Knob Assembly	Models AWM432, AWM332, AWM331 and AWM230
15	10519	Clip	N/A

N/A – Part no longer available

Cabinet Top, Loading Door and Control Hood Rear Panel



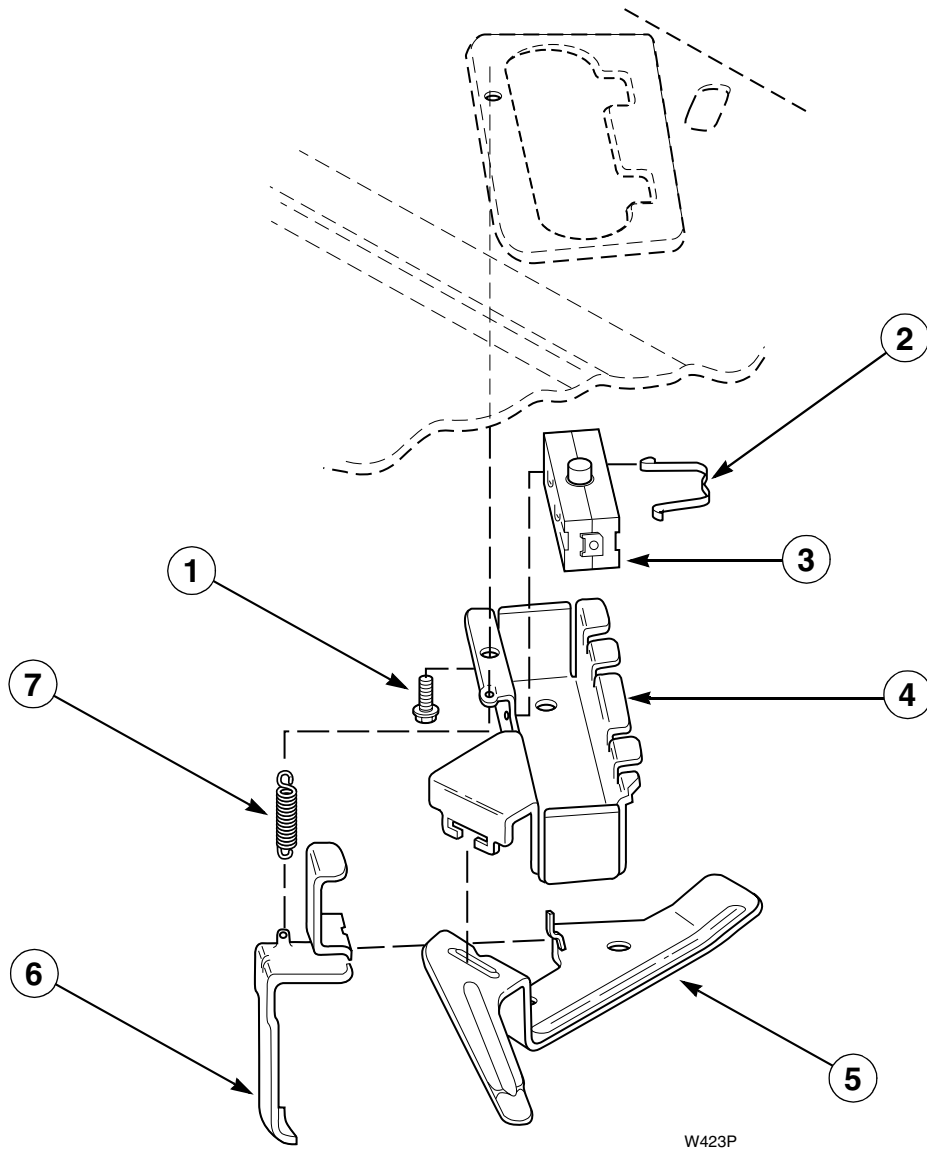
Cabinet Top, Loading Door and Control Hood Rear Panel

REF	PART NO.	DESCRIPTION	COMMENTS
1	21685	Bumper	
2	33541*	Loading Door	Timer models; N/A in Harvest Gold
	34199*	Loading Door	Electronic models
3	37782	Control Hood Rear Panel	
4	23962	Screw	
5	34337	Screw	
6	34338	Gasket	
7	33446	Bushing	
8	52909	Screw	
9	38384	Strain Relief	
10	24903	Sticker	
11	33451*P	Cabinet Top	N/A in Harvest Gold
12	56534	Rivet	
13	33562	Screw and Lockwasher	
14	34776	Bleach Dispenser	
15	36437	Hinge	Right
16	36438	Hinge	Left

* Add letter to designate color: L - Almond W - White H - Harvest Gold

N/A – Part no longer available

Door and Out-Of-Balance Switch

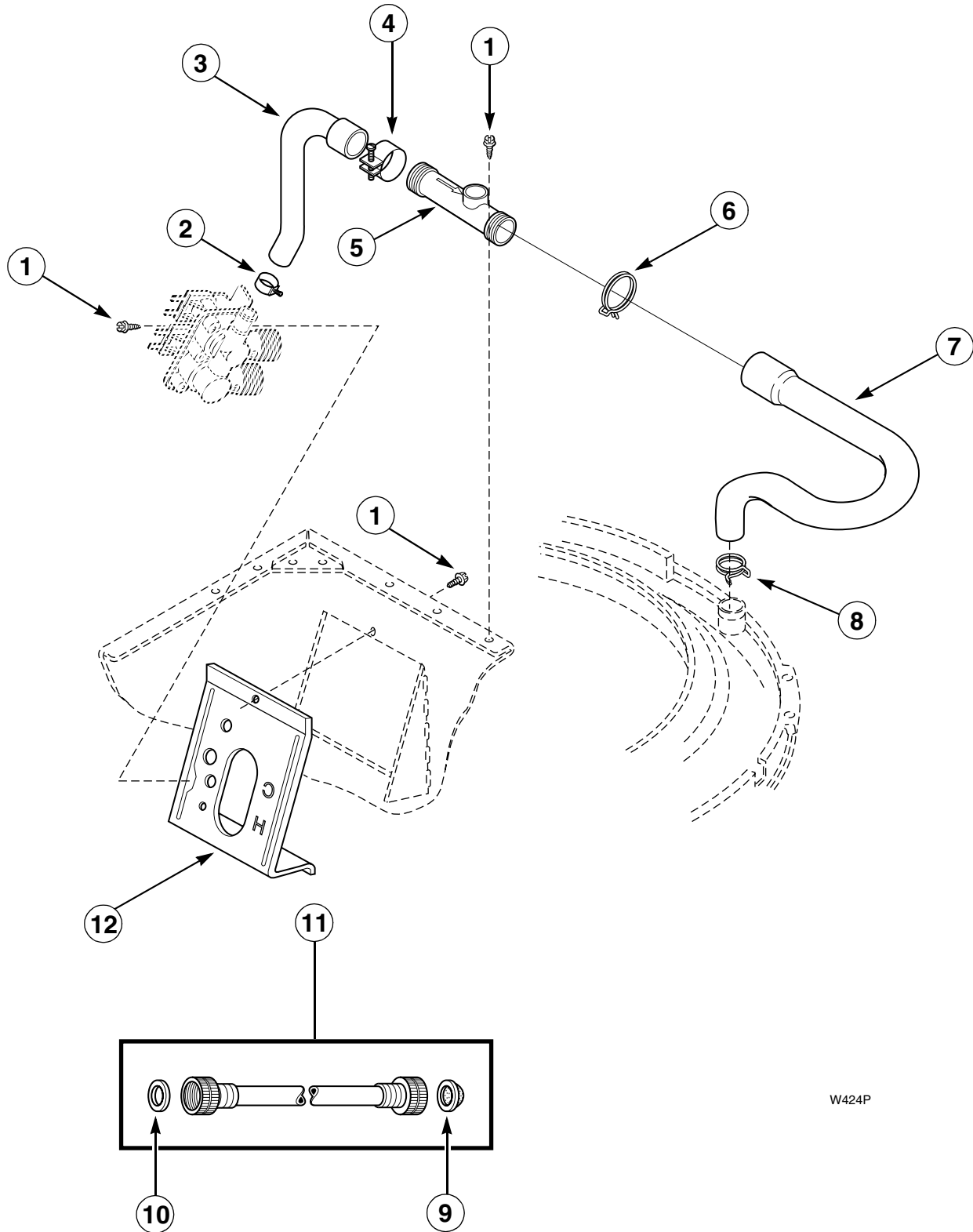


W423P

Door and Out-Of-Balance Switch

REF	PART NO.	DESCRIPTION	COMMENTS
1	23962	Screw	
2	33433	Clip	
3	33445	Switch	
4	36497P	Switch Holder	
5	33441	Actuator Arm	
6	33442	Lever	
7	33443	Spring	

Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket



W424P

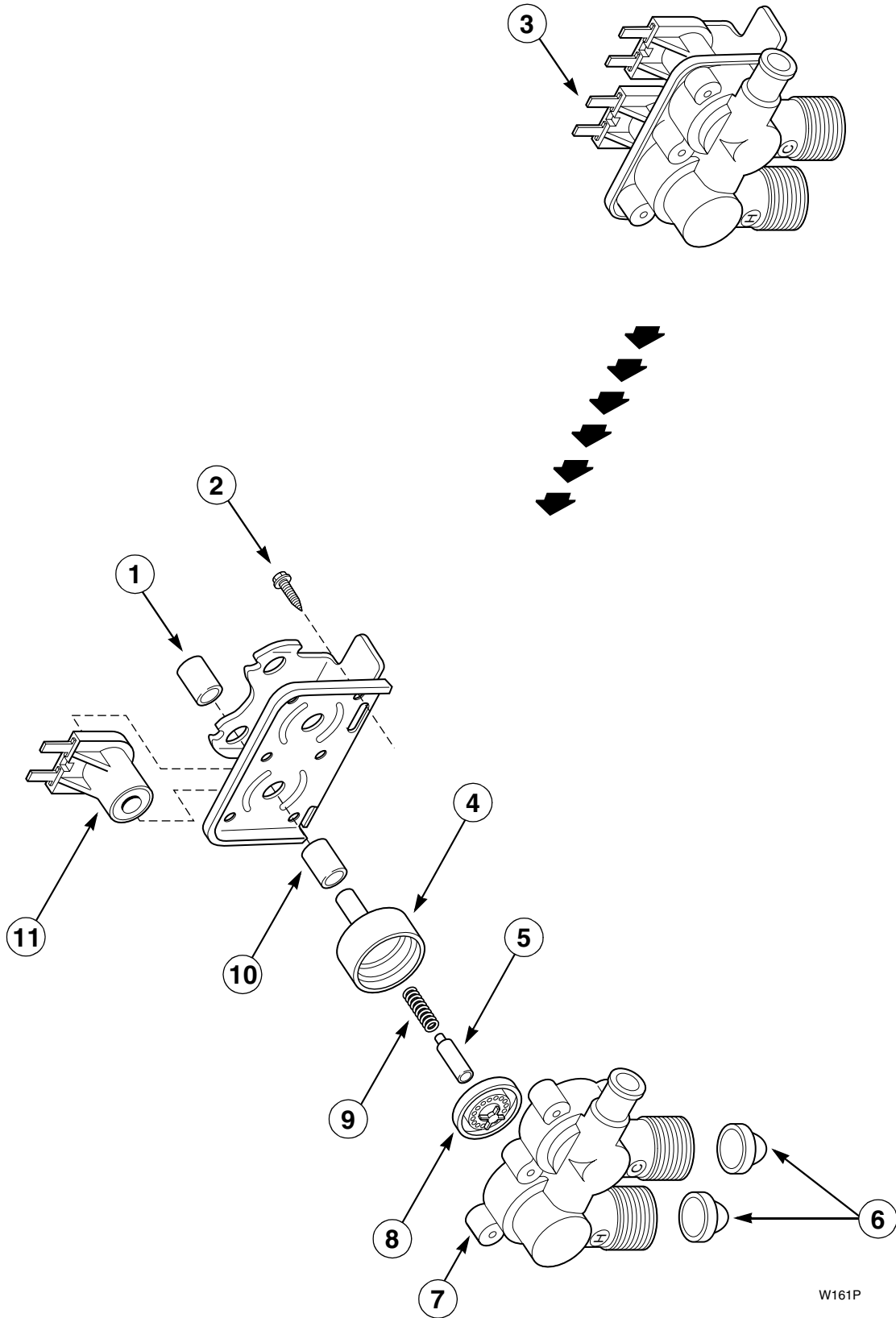
Inlet Hose, Filler Hose, Back Flow Preventer and Mixing Valve Mounting Bracket

REF	PART NO.	DESCRIPTION	COMMENTS
1	23962	Ground Screw	
2	36801	Hose Clamp	
3	27183	Hose	
4	20211	Hose Clamp	
5	34280	Back Flow Preventer Assembly	
6	35370	Hose Clamp	Green
7	33186	Hose	
8	29210	Hose Clamp	Gold
9	28605	Filter Washer	N/A
10	20290	Hose Washer	
11	28330P	Inlet Hose	
12	39407	Mixing Valve Mounting Bracket	

N/A – Part no longer available

Mixing Valve Assembly

Eaton Company



W161P

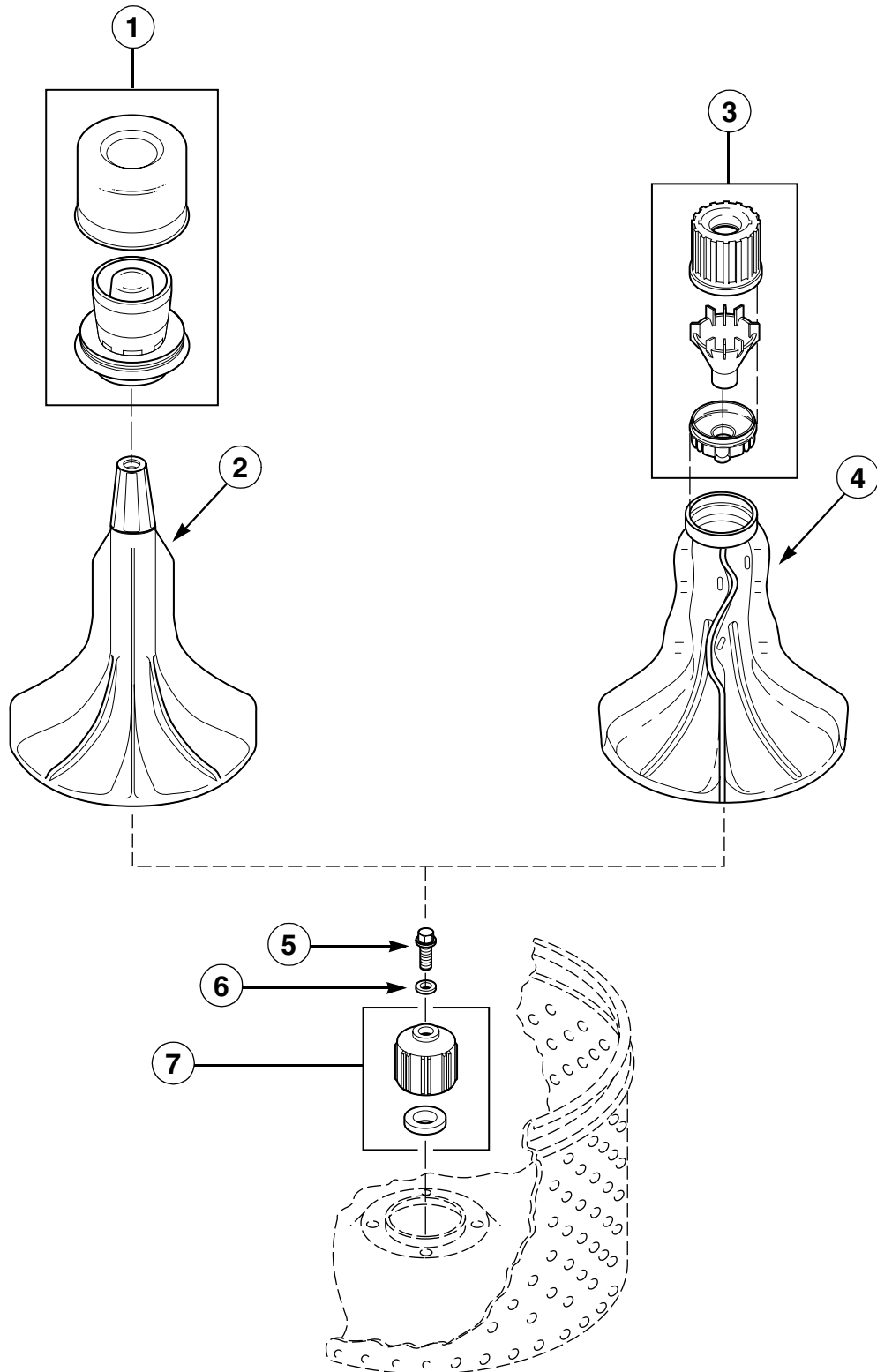
Mixing Valve Assembly

Eaton Company

REF	PART NO.	DESCRIPTION	COMMENTS
1	24128	Sleeve	Long; N/A
2	25817C	Screw	N/A
3	33930	Mixing Valve Assembly	
4	24130	Armature Guide	N/A
5	24132	Armature	N/A
6	F270200	Inlet Screen	
7	24159	Valve Body	Yellow; N/A
8	24134	Diaphragm	N/A
9	24131	Spring	N/A
10	24129	Sleeve	Short; N/A
11	33930A	Solenoid	

N/A – Part no longer available

Agitator, Drive Bell and Seal Seat

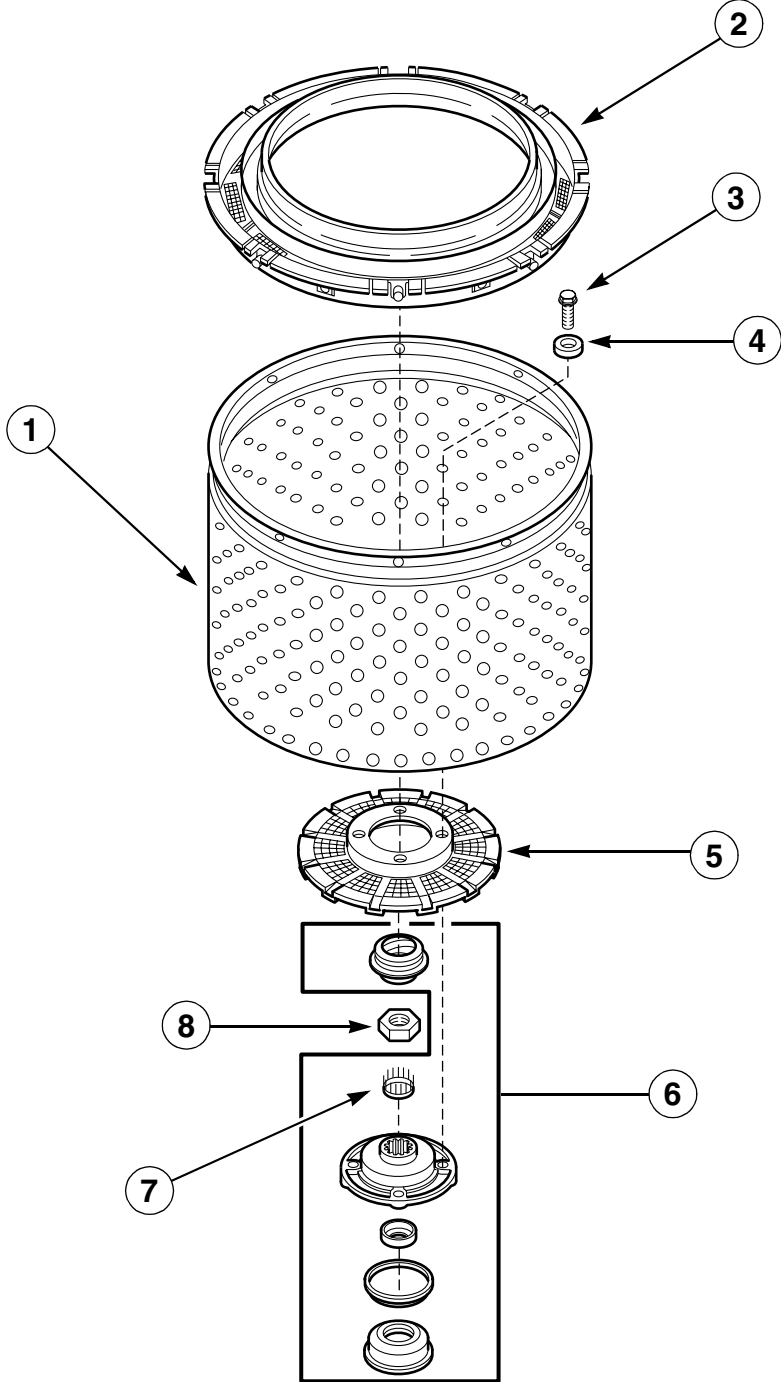


W425P

Agitator, Drive Bell and Seal Seat

REF	PART NO.	DESCRIPTION	COMMENTS
1	33510	Fabric Softener Dispenser	Optional
2	33514	Agitator	Models AA4411, AA4410, NA3812, AA3410, AWM452, AWM432, AWM352, AWM351, AWM332, AWM331, AWM250 and AWM230
3	36542	Fabric Softener Dispenser	
4	33174	Agitator	Models NA8831, NA6821, AA5421, AA8431, AWE951, AWE931, AWE852, AA5420, AA9431, AWM551, AWM531, NA4821, AA6421, AWM651 and AWM631
5	39432	Screw	
6	36472	O-Ring Washer	
7	39508P	Drive Bell and Seal Seat Assembly	Includes items 5 and 6, and the seal head

Clothes Guard, Washtub, Lint Filter and Hub

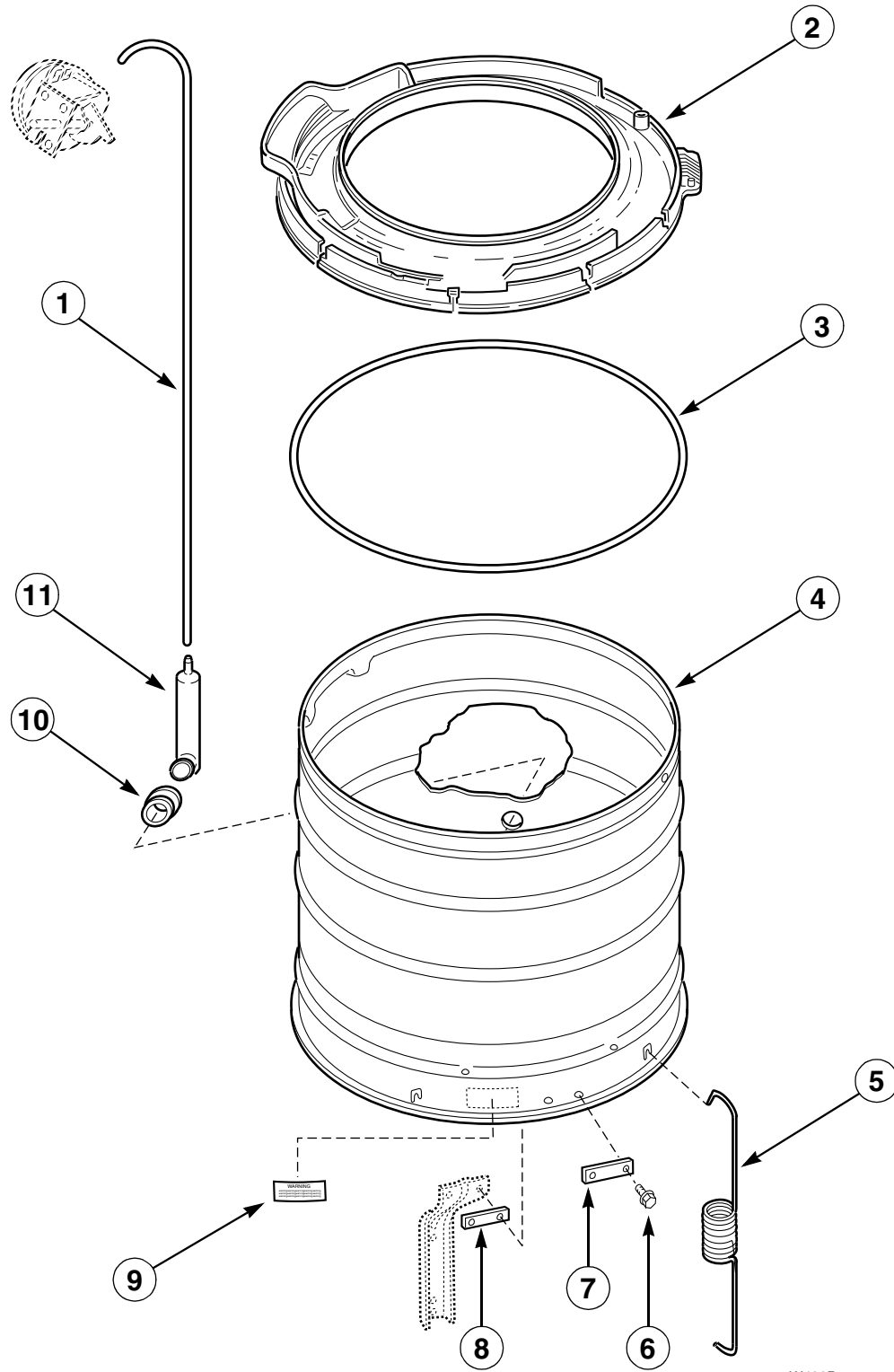


W153P

Clothes Guard, Washtub, Lint Filter and Hub

REF	PART NO.	DESCRIPTION	COMMENTS
1	39387P	Washtub	Stainless Steel
	33295P	Washtub	Blue porcelain
	39248P	Washtub	White porcelain
2	35035	Clothes Guard	
3	27202	Cap Screw	
4	28094	Gasket	
5	39371	Lint Filter	
6	35369	Hub and Seal Kit	Includes 32857 Gasket and 39508P Drive Bell and Seal Seat Assembly
7	29728	Spline Insert	
8	29220	Locknut	

Outer Tub, Cover and Pressure Hose

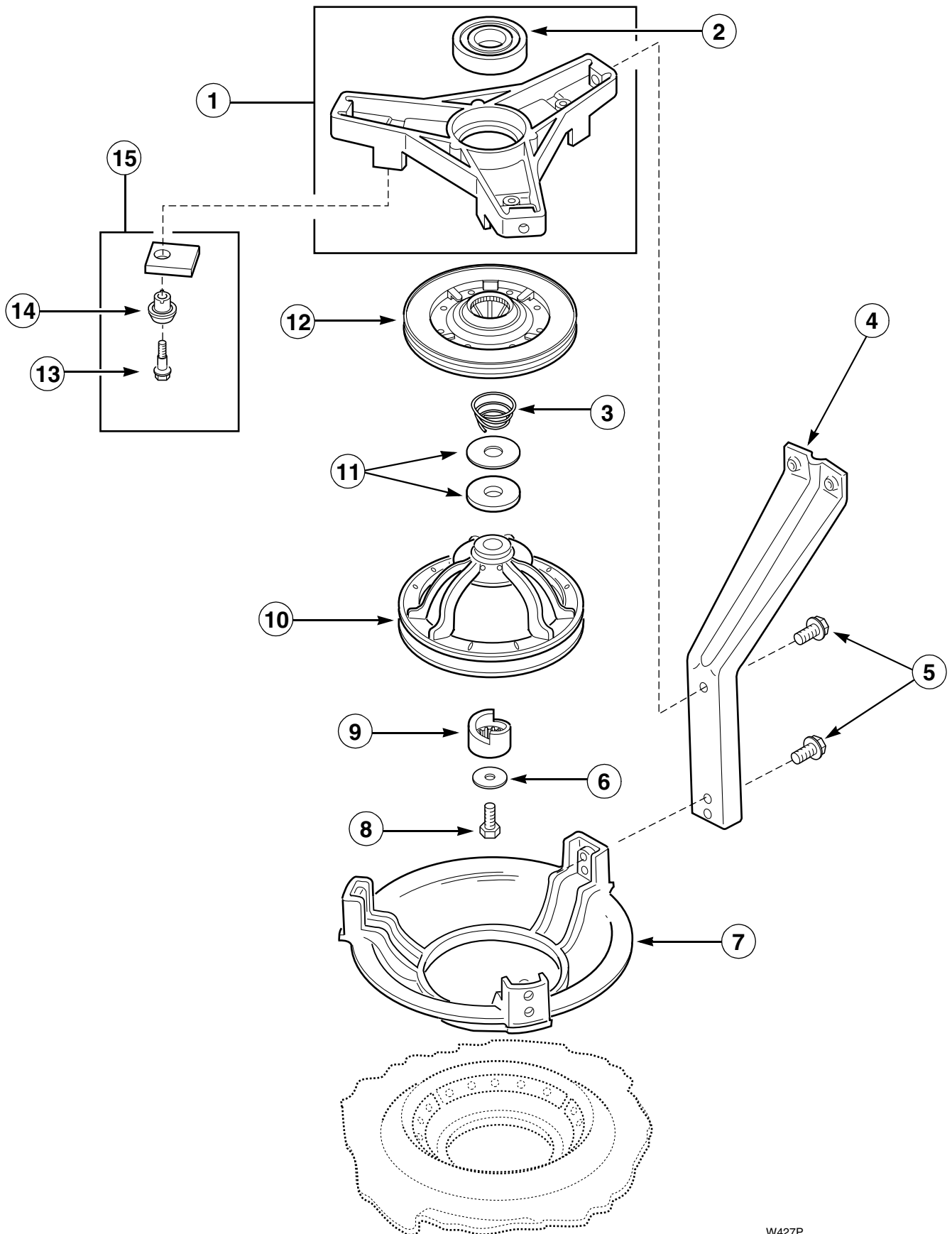


W426P

Outer Tub, Cover and Pressure Hose

REF	PART NO.	DESCRIPTION	COMMENTS
1	39125	Pressure Hose	
2	33184P	Outer Tub Cover	
3	32857	Cover Gasket	
4	33178	Outer Tub	Includes (3) 27222 Retainer Nuts
5	27239	Centering Spring	
6	35369	Screw and Lockwasher	
7	27926	Leg Plate	.063 inches thick
8	27927	Leg Plate	.032 inches thick
9	27195	Sticker	
10	29175	Grommet	
11	30907	Pressure Accumulator	

Bearing Housing, Brake, Pulley and Pivot Dome

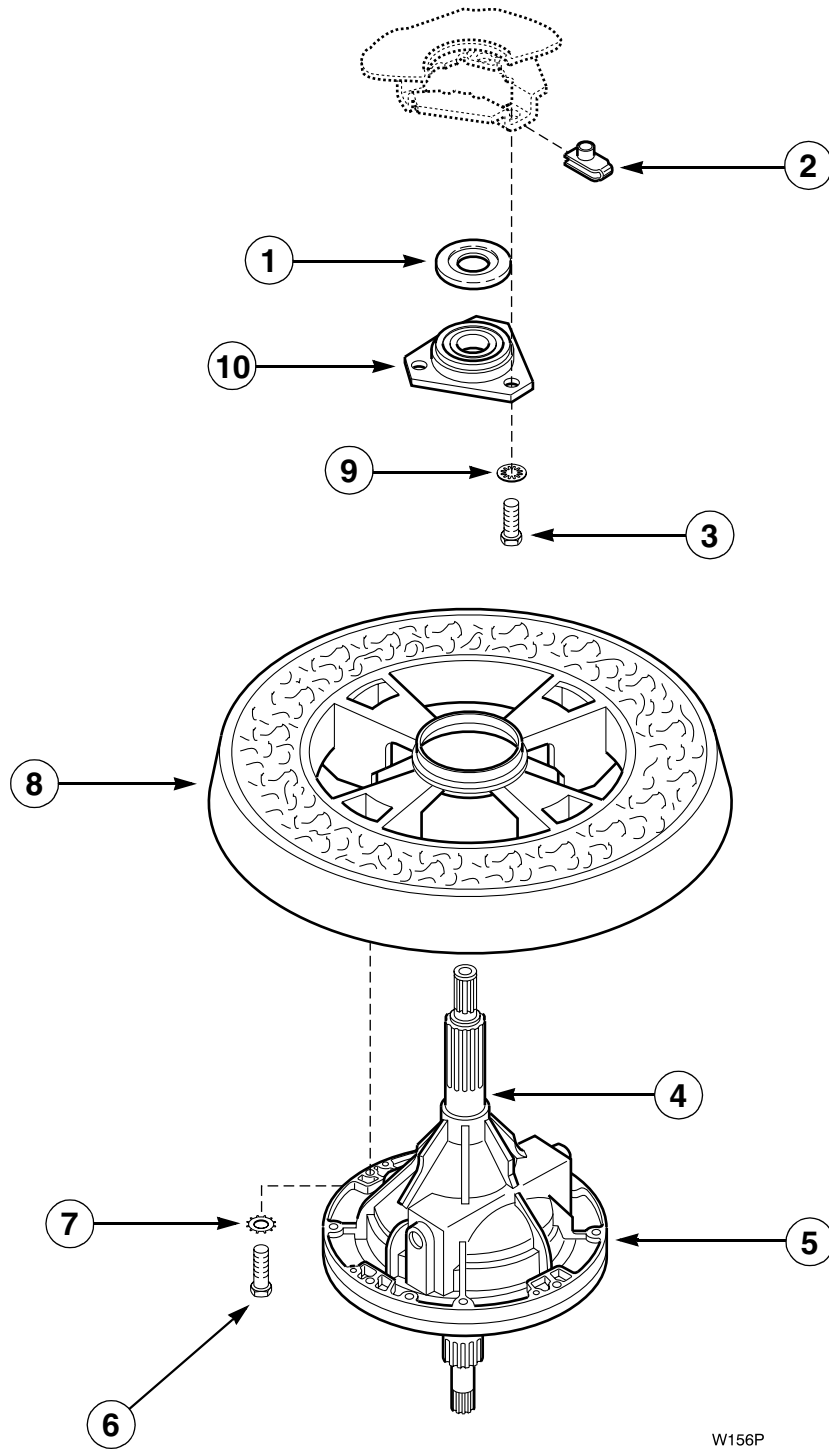


W427P

Bearing Housing, Brake, Pulley and Pivot Dome

REF	PART NO.	DESCRIPTION	COMMENTS
1	35746	Bearing Housing Assembly	
2	28944R	Bearing	
3	33435	Spring	
4	27090	Support Leg	
5	35369	Screw	
6	26509	Washer	
7	27124	Pivot Dome	
8	27220	Screw	
9	27018	Helix	
10	34232P	Pulley Assembly	
11	32651	Washer	2 required
12	38505P	Brake Assembly	Includes item 15
13	26547	Shoulder Screw	
14	29993	Sleeve	
15	548P3	Brake Pad Kit	Includes 3 pads and 3 sleeves

Transmission Assembly and Balance Ring



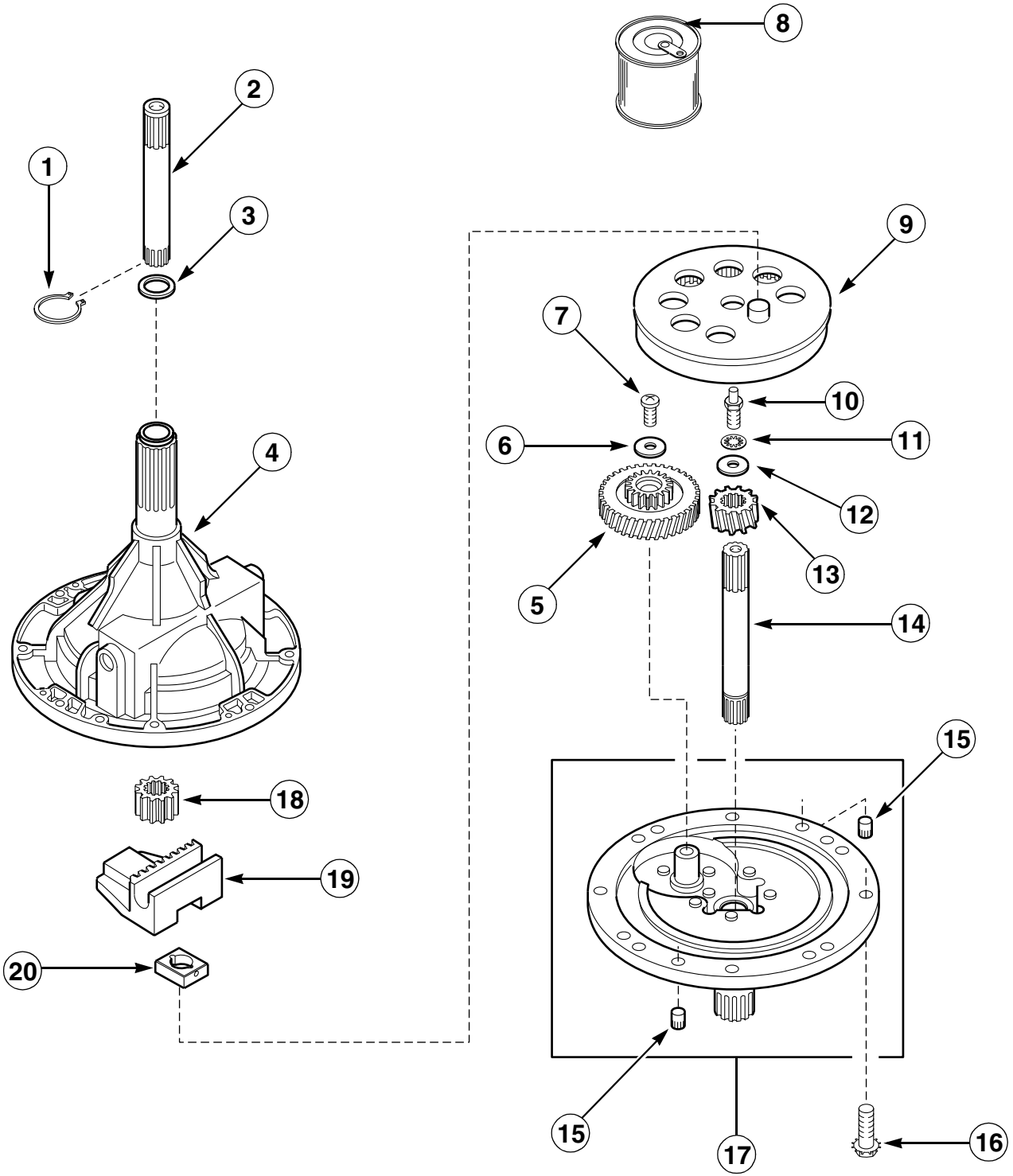
W156P

Transmission Assembly and Balance Ring

REF	PART NO.	DESCRIPTION	COMMENTS
1	27187	Flinger	
2	27222	Retainer Nut	Included with 33178 Outer Tub
3	M400057	Cap Screw	
4	27604P	Anti-Seize Compound	Apply to this area of both the upper and lower transmission tubes
5	33227P	Transmission Assembly	
6	27200	Cap Screw	N/A
7	02431	Lockwasher	
8	34731	Balance Ring Assembly	
9	04366	Lockwasher	N/A
10	27182	Bearing Housing Assembly	Upper

N/A – Part no longer available

Components for 33227P Transmission Assembly

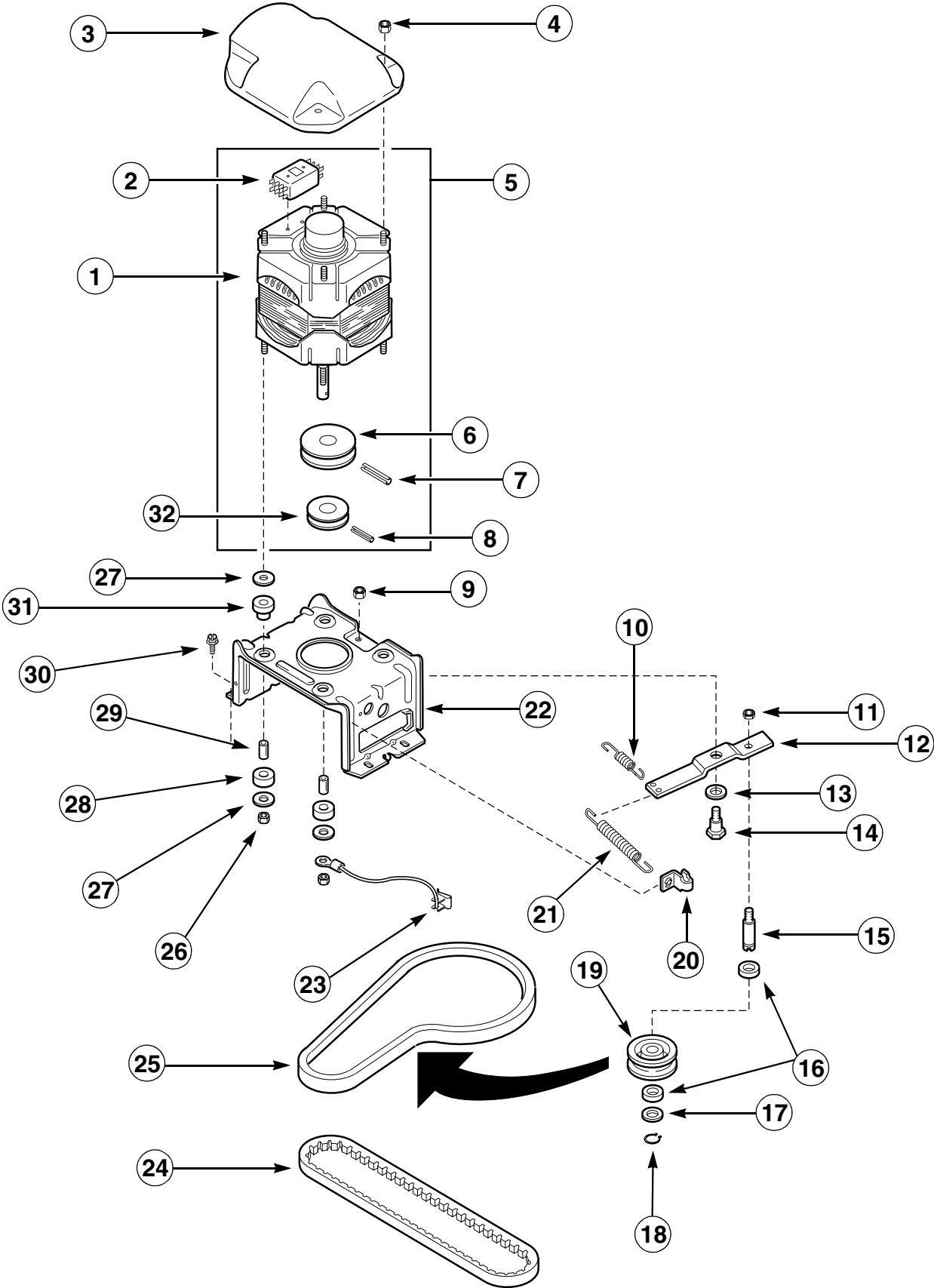


W157P

Components for 33227P Transmission Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
1	27197	Retainer Ring	
2	36570	Output Shaft	
3	20212	Washer	
4	33223	Transmission Case Assembly	
5	29161	Reduction Gear	
6	29260	Washer	
7	29273	Screw	
8	27243P	Transmission Oil	1 fill
9	26577	Internal Gear	
10	27030	Special Screw	
11	21456	Lockwasher	
12	26509	Washer	
13	36562	Drive Pinion	
14	27081	Shaft	Output
15	27172	Dowel Pin	
16	32814	Cap Screw	
17	38287P	Transmission Cover Assembly	
18	27003	Agitator Pinion	
19	31526	Rack	
20	26493	Slide	

Motor, Mounting Bracket, Belts and Idler Assembly



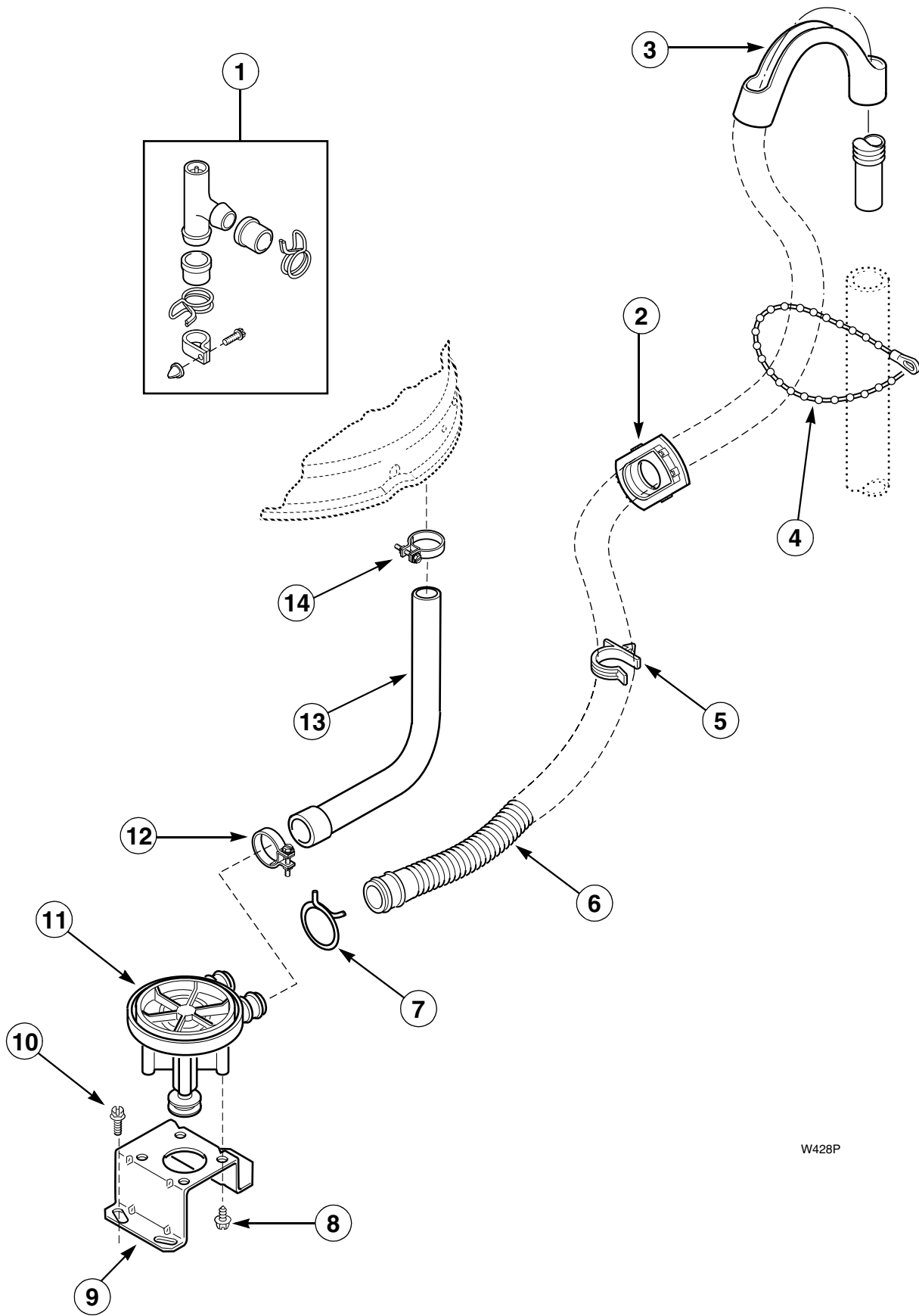
W416P

Motor, Mounting Bracket, Belts and Idler Assembly

REF	PART NO.	DESCRIPTION	COMMENTS
	258P3	Capacitor Kit	For use in areas where low voltage exists
	20605	Hi-Temp Lube	Use on idler shaft
1	30897	Motor	1 speed; Must order 27658P Motor Assembly
	30895	Motor	2 speed; Must order 27179P Motor Assembly
2	24139	Motor Switch	For Emerson Motor No. 30895
	24140	Motor Switch	For Emerson Motor No. 30897
	30895A	Motor Switch	For General Electric Motor No. 30895
	30897AP	Motor Switch	For General Electric Motor No. 30897
3	27136	Motor Shield	
4	27201	Locknut	
5	27658P	Motor Assembly	1 speed
	27179P	Motor Assembly	2 speed
6	27171	Motor Pulley	
7	23750	Roll Pin	N/A
8	10416	Roll Pin	
9	52566	Locknut	
10	30620	Helper Spring	
11	28803	Locknut	
12	31054	Idler Lever	
13	81392	Washer	
14	27229	Shoulder Bolt	
15	28802	Idler Shaft	
16	29443	Felt Washer	
17	52549	Washer	Nylatron
18	23748	Retainer Ring	
19	28800	Idler Pulley	
20	28849	Clip	
21	37366	Spring	
22	28791	Motor Mounting Bracket	
23	00161	Ground Clip	
24	27155	Belt	Pump
25	28808	Belt	Agitate and spin
26	23604	Locknut	
27	03888	Washer	
28	01953	Rubber Motor Mount	Lower; N/A
29	27181	Spacer	N/A
30	503661	Screw	
31	01952A	Rubber Motor Mount	Upper; N/A
32	27104	Motor Pulley	Pump

N/A – Part no longer available

Pump Assembly, Bracket, Hoses and Siphon Break Kit

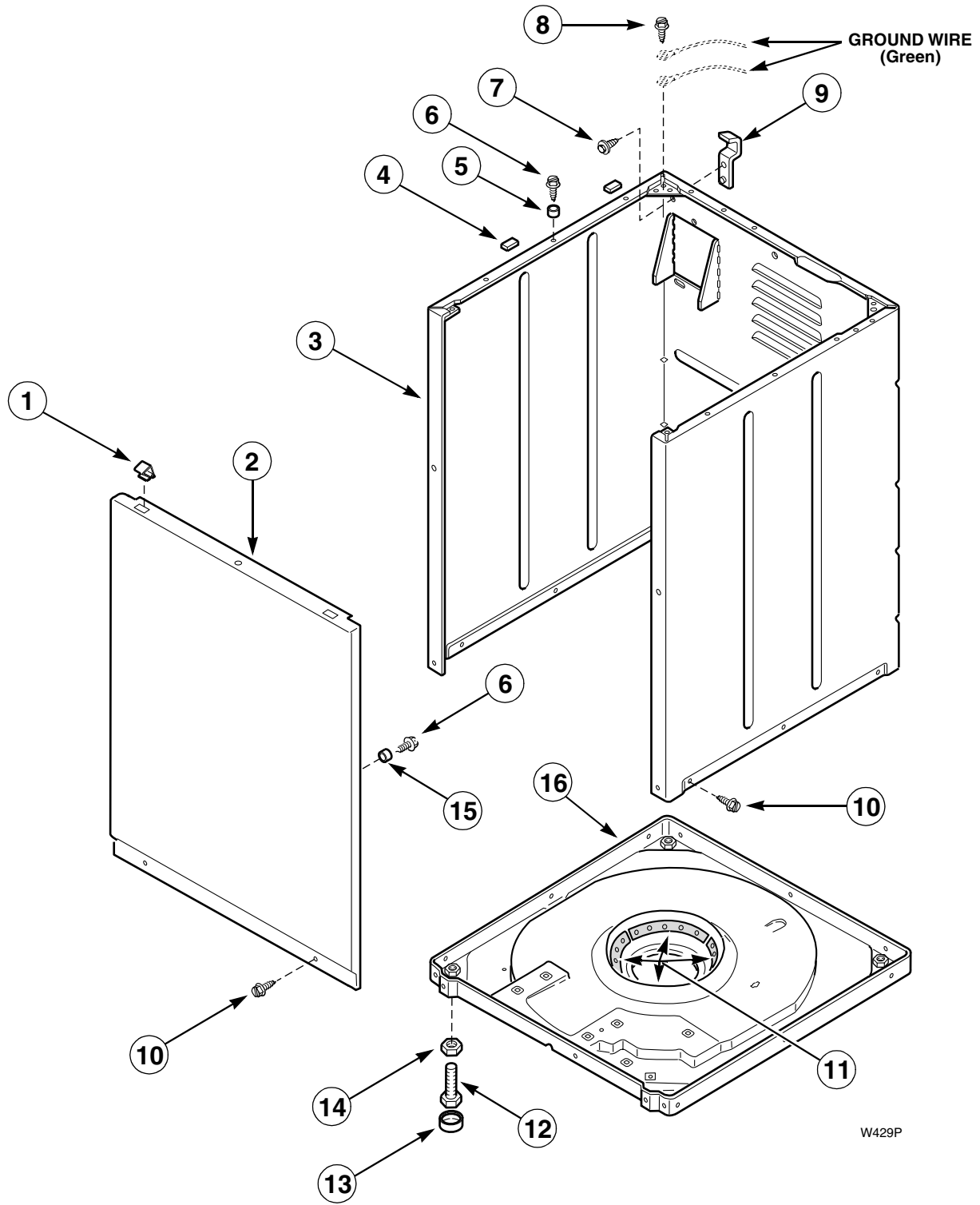


W428P

Pump Assembly, Bracket, Hoses and Siphon Break Kit

REF	PART NO.	DESCRIPTION	COMMENTS
	406P3	Drain Extension Kit	Use with Part No. 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	32219	Drain Hose Strain Relief	
3	33615	Drain Hose Sleeve	
4	33489	Beaded Tie-Down Strap	
5	34321	Hose Retainer Clip	
6	39953	Drain Hose	
7	20211	Hose Clamp	
8	31098	Screw	
9	27105	Mounting Bracket	
10	503661	Screw	
11	31969	Pump Assembly	
12	27153	Hose Clamp	
13	27160	Hose	
14	20391	Hose Clamp	

Front Panel, Cabinet and Base



W429P

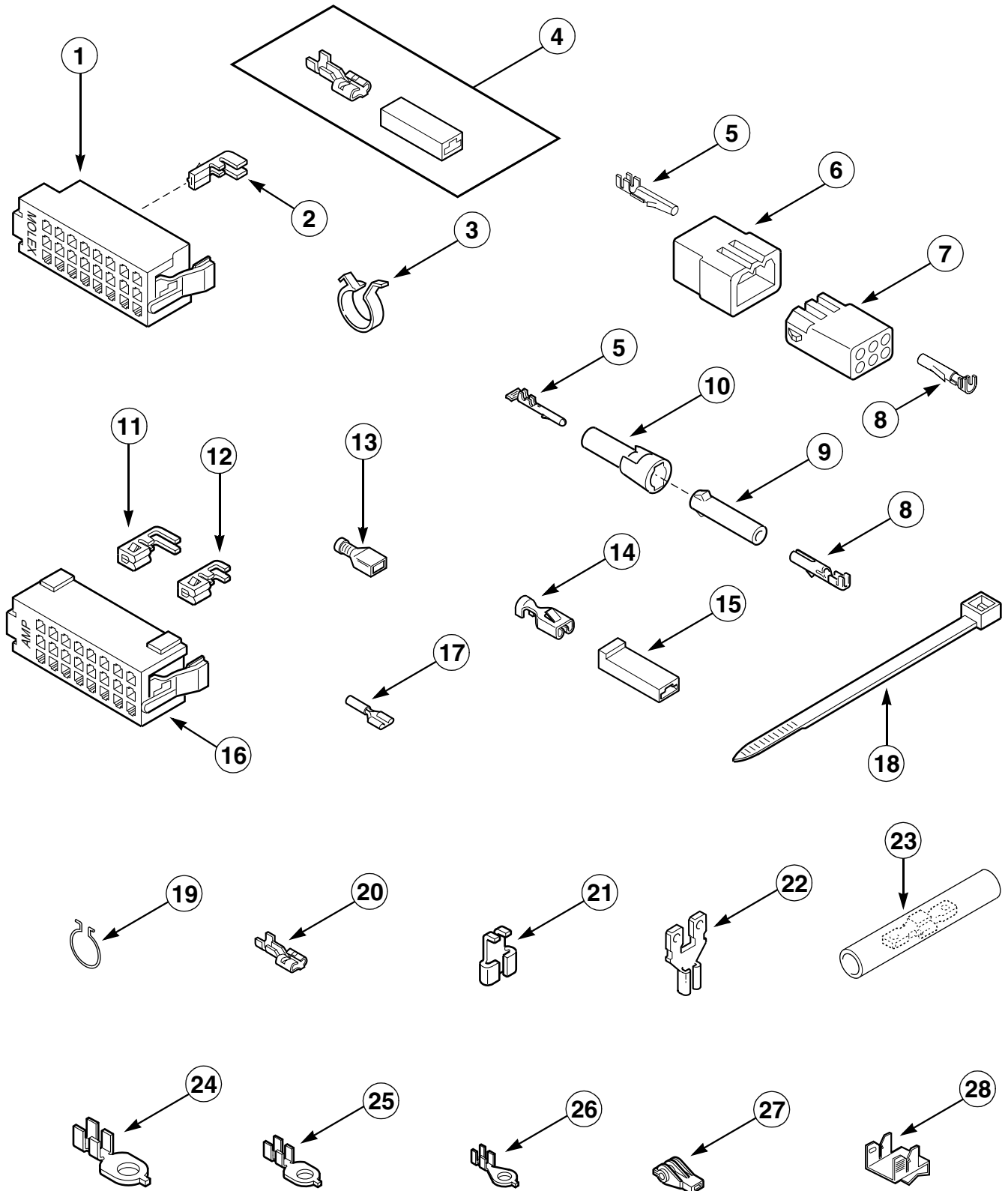
Front Panel, Cabinet and Base

REF	PART NO.	DESCRIPTION	COMMENTS
	26594P	Silicone Lubricant	For pads in base
1	28835	Hold-Down Clip	
2	32708*P	Front Panel	N/A in Harvest Gold
3	31669*P	Cabinet	N/A in Harvest Gold
4	56128	Bumper Pad	
5	56079	Guide Lug	
6	32671	Screw	
7	51780	Screw	
8	23962	Ground Screw	
9	27103	Hinge	
10	27196	Screw	
11	434P3	Snubber Pad Kit	Includes 4 pads
12	20409	Leveling Leg	Replaced by Part No. 34319
	34319	Leveling Leg	Use with 34318 Rubber Pad
13	21749	Rubber Pad	Use with 20409 Leveling Leg
	34318	Rubber Pad	Use with 34319 Leveling Leg
14	21899	Locknut	
15	28102	Guide Lug	
16	31653P	Base Assembly	Includes snubber pads and leveling legs

* Add letter to designate color: **L - Almond** **W - White** **H - Harvest Gold**

N/A – Part no longer available

Wire Terminals

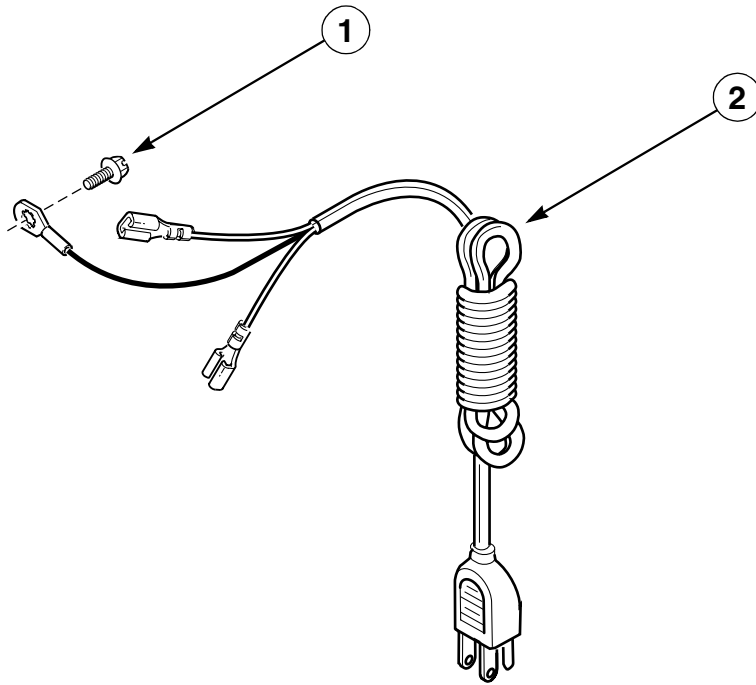


W430P

Wire Terminals

REF	PART NO.	DESCRIPTION	COMMENTS
1	32746	Molex Housing	Right
	34123	Molex Housing	Left
2	00188	Molex Terminal	Used for 1 or 2 wire application
3	504034	Wire Clip	
4	00234	Terminal and Housing Assembly	1/4 inch terminal
5	00116	Terminal	Male
6	23041	Terminal Block	
7	26708	Terminal Block	
8	00117	Terminal	Female
9	26301	Terminal Block Receptacle	
10	26302	Terminal Block Plug	
11	00183	Amp Terminal	2 wire
12	00180	Amp Terminal	1 wire
13	00165	Insulated Spade Terminal	3/16 inch
14	00115	Lock-In Spade Terminal	
15	90789	Connector	
16	28856	Amp Housing	
17	00214	Barrel Insulated Spade Terminal	18 gauge
	00215	Barrel Insulated Spade Terminal	12 gauge
18	55881	Wire Tie	
19	51291	Wire Clip	
20	00223	Spade Terminal	1/4 inch; (1) 18 gauge wire
	00121	Spade Terminal	1/4 inch; (2) 18 gauge wires or (1) 12 gauge wire
21	00120	Right Angle Flag Terminal	
22	29673	Double Connector	
23	21091	Connector	
24	00113	Eyelet Terminal	1/4 inch ring
25	00111	Eyelet Terminal	Large shank; (2) 18 gauge wires
26	00110	Eyelet Terminal	Small shank; (1) 18 gauge wire
27	70210	Plastic Insulator	
28	00161	Ground Clip	

Wire Harnesses and Power Cord

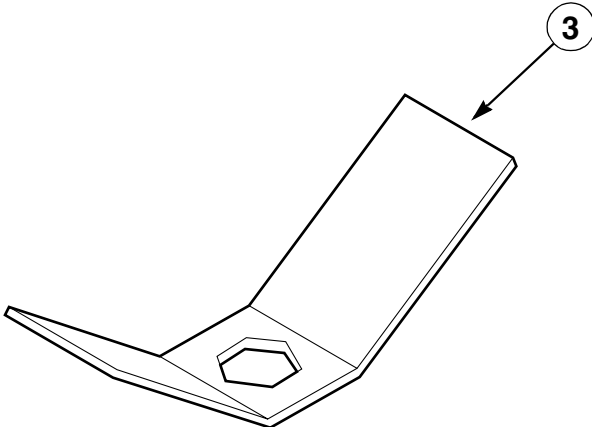
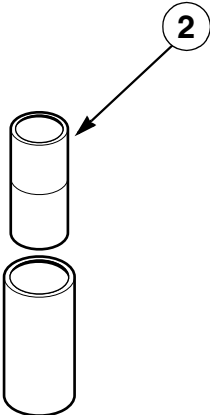
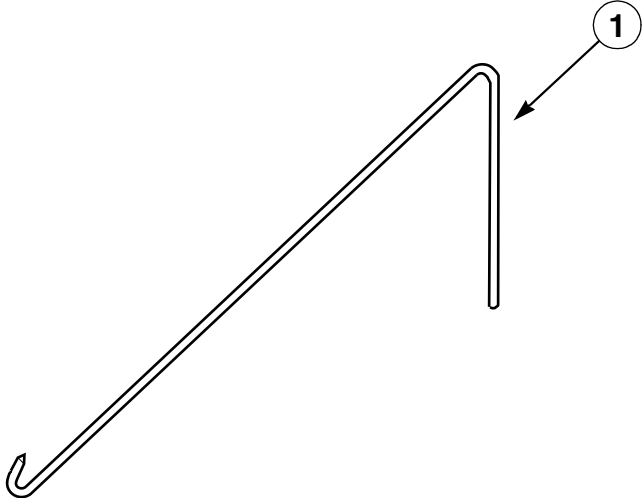


W431P

Wire Harnesses and Power Cord

REF	PART NO.	DESCRIPTION	COMMENTS
1	52909	Ground Screw	
2	34458	Power Cord and Plug	

Special Tools

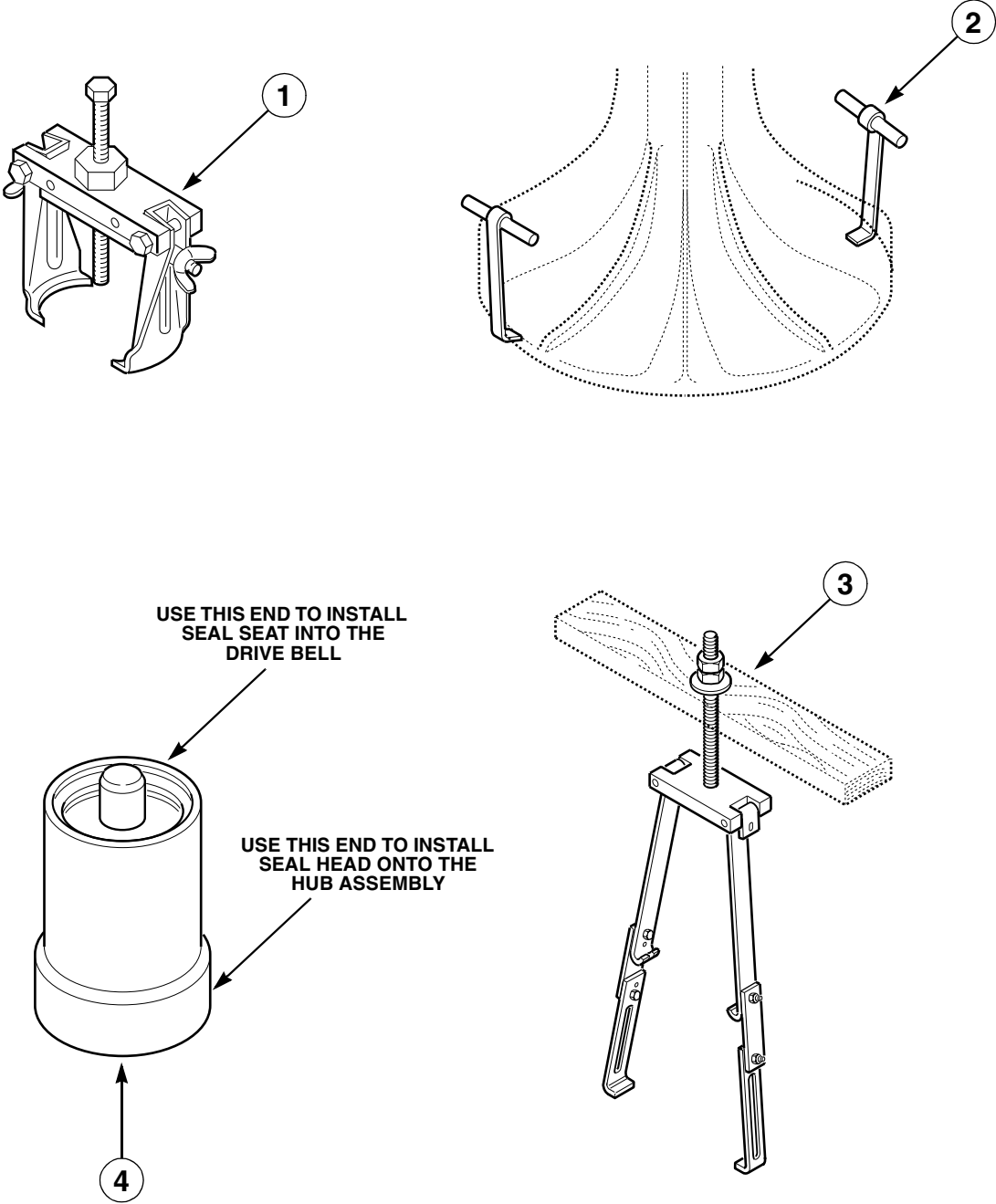


W417P

Special Tools

REF	PART NO.	DESCRIPTION	COMMENTS
1	321P4	Spring Hook	Use to remove centering springs from outer tub
2	242P4	Brake Spring Installer	Use to install brake spring
3	306P4	Hex Wrench	Use to remove hex locknut from washtub hub

Special Tools



W418P

Special Tools

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

N/A – Part no longer available

Wire Harnesses and Wires

Individual wires are not available separately. Order complete wire harness listed below or order wire by the foot. See chart below.

MODEL NUMBER	MIXING VALVE WIRE HARNESS	BASE WIRE HARNESS	MOTOR WIRE HARNESS
AA9431, NA8831, AA8431, AWE951, AWE931 and AWE852	33828	N/A	28132
NA6821 and AA6421	33828	33650	28131
AWM651 and AWM631	33828	34180	28131
AA5421, AA5420, NA4821, AWM551 and AWM531	33828	N/A	28131
AWM452 and AWM432	33828	34178	28131
AA4411, AA4410, NA3812, AA3410, AWM352, AWM351, AWM332, AWM331, AWM250 and AWM230	33828	34179	28132

N/A – Part no longer available

Order the individual wire color and gauge by the part number listed below. Order wire by the foot and terminals and connectors as required. It is recommended when applying terminals to wires that the terminals be soldered to the wires.

IMPORTANT: Always replace wires with proper gauge and color.

PART NUMBER	WIRE GAUGE	WIRE COLOR	PART NUMBER	WIRE GAUGE	WIRE COLOR
45000	18 Gauge Wire	White	45066	18 Gauge Wire	Blue/Red
45001	18 Gauge Wire	Black	45083	18 Gauge Wire	Yellow/Black
45037	18 Gauge Wire	Brown/White	45380	12 Gauge Wire	Orange

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