

ITEM NO.	PART NUMBER	DESCRIPTION	TOTAL RQD.
1	165-042-157	Cap, Valve Body (AL center)	1
	165-042-551	Cap, Valve Body (CI center)	1
2	360-058-360	Gasket, Valve Cap²	1
3	170-063-330	Capscrew, Hex Head	1
4	170-033-330	Capscrew, Hex Head	4
5	901-035-330	Washer, Flat (AL center)	7
	901-035-330	Washer, Flat (CI center)	1
	900-005-330	Washer, Lock (CI center)	6
6	901-005-330	Washer, Flat	4
7	542-001-330	Nut, Square	1
8	095-051-551	Body, Spool Valve	1
9	031-039-000	Sleeve & Spool Set²	1
10	165-038-356	Cap, End	2
11	675-043-115	Ring, Retainer²	2
12	560-058-360	O-Ring²	8
13	360-057-360	Gasket²	1
14	095-074-000	Assembly, Pilot Valve^{1,2}	1
14-A	095-071-551	Valve Body	1
14-B	755-025-000	Sleeve (without o-ring)	1
14-C	560-033-360	O-Ring (sleeve)	4
14-D	775-014-000	Spool (without o-ring)	1
14-E	560-023-360	O-Ring (spool)	4
14-F	675-037-080	Retaining Ring	1
15	360-056-360	Gasket²	1
16	114-007-157	Bracket, Intermediate	1
	114-012-010	Bracket, Intermediate	1
17	560-040-360	O-Ring	2
18	675-040-360	Ring, Sealing (AL center)	2
19	720-010-375	Seal, U-Cup²	2
20	070-012-170	Bearing, Sleeve	2
21	685-039-120	Rod, Diaphragm	1
22	901-012-180	Washer, Sealing	2
23	170-034-330	Capscrew, Hex Head	2
	170-059-110	Capscrew, Hex Head (S.S. Non-Overlay)	2
24	900-003-330	Washer, Lock (not used with 612-023-110)	2
25	612-023-330	Plate, Outer	2
	612-023-110	Plate, Outer	2
25A	612-067-110	Plate, Outer (overlay & Viton with Virgin PTFE balls)	2
25A	612-101-112	Plate, Outer	2
25B	807-048-330	Stud (Use with 612-101-112)	2

¹Available in kit form. Order P/N 031-060-000 which also includes items 2, 13, 15, 31, & 45.

²Available in kit form, Air End Kit 476-103-000.

Repair Parts shown in **bold face (darker)** type are more likely to need replacement after extended periods of normal use. They are readily available from most Warren Rupp distributors. The pump owner may prefer to maintain a limited inventory of these parts in his own stock to reduce repair downtime to a minimum.

IMPORTANT: When ordering repair parts always furnish pump model number, serial number and type number.

MATERIAL CODES
The Last 3 Digits of Part Number

000...Assembly, sub-assembly;
and some purchased Items
010...Cast Iron
012...Powered Metal
015...Ductile Iron
020...Ferritic Malleable Iron
025...Music Wire
080...CarbonSteel AISI B-1112
100...Alloy 20
110...Alloy Type 316 Stainless Steel
111...Alloy Type 316 Stainless Steel (Electro Polished)
112...Alloy "C"
113...Alloy Type 316 Stainless Steel (Hand Polished)
114...303 Stainless Steel
115...302/304 Stainless Steel
117...440-C Stainless Steel (Martensitic)
120...416 Stainless Steel (Wrought Martensitic)
123...410 Stainless Steel (Wrought Martensitic)
148...Hardcoat Anodized Aluminum
149...2024-T4 Aluminum
150...6061-T6 Aluminum
151...6063-T6 Aluminum
152...2024-T4 Aluminum (2023-T351)
154...Almag 35 Aluminum
155 or 156...356-T6 Aluminum
157...Die Cast Aluminum Alloy #380
158...Aluminum Alloy SR-319
159...Anodized Aluminum
162...Brass, Yellow, Screw Machine Stock
165...Cast Bronze, 85-5-5-5
166...Bronze SAE 660
170...Bronze, Bearing Type, Oil Impregnated
175...Die Cast Zinc
180...Copper Alloy
310...Kynar Coated
330...Zinc Plated Steel
331...Chrome Plated Steel
332...Electroless Nickel Plated
335...Galvanized Steel
336...Zinc Plated Yellow Brass
337...Silver Plated Steel
340...Nickel Plated
342...Filled Nylon
354...Injection Molded #203-40 Santoprene - Duro 40D ± 5; Color: RED
355...Thermoplastic Elastomer
356...Hytrell
357...Injection Molded Polyurethane
358...Rupplon (Urethane Rubber) Color coded: PURPLE (Some Applications, Compression Mold)
359...Urethane Rubber
360...Buna-N Rubber Color coded: RED
361...Buna-N
363...Viton (Fluorel) Color coded: YELLOW
364...E.P.D.M. Rubber Color coded: BLUE
365...Neoprene Rubber Color coded: GREEN
370...Butyl Rubber Color coded: BROWN
371...Philtane (Tuftane)
374...Carboxylated Nitrile
375...Fluorinated Nitrile

List continued next page

ITEM NO.	PART NUMBER	DESCRIPTION	TOTAL RQD.
26	286-008-356	Diaphragm	2
	286-008-354	Diaphragm	2
	286-008-360	Diaphragm	2
	286-008-363	Diaphragm	2
	286-008-364	Diaphragm	2
	286-008-365	Diaphragm	2
	286-008-366	Diaphragm	2
27	612-022-330	Plate, Inner Diaphragm	2
28	132-019-360	Bumper	2
29	196-043-157	Chamber, Inner (left side)	1
	196-084-010	Chamber, Inner (left side)	1
30	196-042-157	Chamber, Inner (right side)	1
	196-090-010	Chamber, Inner (right side)	1
31	620-007-114	Plunger, Actuator²	2
32	560-001-360	O-Ring²	2
33	135-013-162	Bushing²	2
34	675-042-115	Ring, Retainer²	2
35	170-043-330	Capscrew, Hex Head (AL center)	6
	170-006-330	Capscrew, Hex Head (CI center)	6
36	196-012-157	Chamber, Outer	2
	196-012-110	Chamber, Outer	2
	196-012-112	Chamber, Outer	2
37	170-029-330	Capscrew, Hex Head	16
38	545-004-330	Nut, Hex	26
39	115-071-330	Foot Bracket	1
39	115-070-330	Foot Bracket (top ported only)	1
41	706-013-330	Screw, Machine	4
42	350-002-360	Foot, Rubber	4
43	547-002-330	Nut, Stop	4
44	618-003-330	Plug, Pipe	3
44A	618-003-330	Plug, Pipe	2
	618-003-110	Plug, Pipe	2
	618-003-112	Plug, Pipe	2
45	132-022-360	Bumper, Actuator	2
46	170-045-330	Capscrew, Hex Head	4
47	360-031-360	Gasket	4
	360-031-363	Gasket	4
	360-031-364	Gasket	4
	360-031-365	Gasket	4
	360-031-600	Gasket	4
48	334-013-157	Flange, Porting	2
	334-013-110	Flange, Porting	2
	334-013-112	Flange, Porting	2
	334-036-110	Flange, Porting	2
	334-036-156	Flange, Porting (dual ported)	2
	334-013-157E	Flange, Porting BSP (SB25)	2
	334-013-110E	Flange, Porting BSP (SB25)	2
	334-013-112E	Flange, Porting BSP (SB25)	2
	334-036-156E	Flange, Porting BSP (SB25)	2
	334-036-110E	Flange, Porting BSP (SB25)	2
49	171-010-330	Capscrew, Flanged	4
50	905-001-330	Washer, Taper	4
51	360-030-425	Gasket Manifold	2
	360-030-600	Gasket, Manifold	2
52	900-004-330	Washer, Lock	10
53	170-047-330	Capscrew, Hex Head	6

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MATERIAL CODES The Last 3 Digits of Part Number

Continued from previous page

378...High density Polypropylene
405...Cellulose Fibre
408...Cork and Neoprene
425...Compressed Fibre
426...Blue Gard
440...Vegetable Fibre
465...Fibre
500...Delrin 500
501...Delrin 570
505...Acrylic Resin Plastic
520...Injection Molded PVDF Natural Color
540...Nylon
541...Nylon
542...Nylon
544...Nylon Injection Molded
550...Polyethylene
551...Polypropylene
552...Unfilled Polypropylene
553...Unfilled Polypropylene
555...Polyvinyl Chloride
570...Rulon II
580...Ryton
590...Valox
591...Nylatron G-S
592...Nylatron NSB
600...Virgin PTFE (virgin material) Tetrafluoroethylene (TFE)
601...Virgin PTFE (Bronze and moly filled)
602...Filled Virgin PTFE
603...Blue Gylon
604...Virgin PTFE
606...Virgin PTFE
610...Virgin PTFE Encapsulated Silicon
611...Virgin PTFE Encapsulated Viton

Delrin, Viton and Hytrel are registered tradenames of E.I. DuPont.

Gylon is a registered tradename of Garlock, Inc.

Nylatron is a registered tradename of Polymer Corp.

Rulon II is a registered tradename of Dixon Industries Corporation.

Hastelloy-C is a registered tradename of Cabot Corp.

Ryton is a registered tradename of Phillips Chemical Company.

Valox is a registered tradename of General Electric Co.

Warren Rupp, Ruppilon, SandPIPER, PortaPump, and Tranquilizer are registered tradenames of Warren Rupp Inc.

ITEM NO.	PART NUMBER	DESCRIPTION	TOTAL RQD.
53A	170-047-330	Capscrew, Hex Head (dual ported, AL pump)	3
	170-084-330	Capscrew, Hex Head (dual ported, SS pump)	3
54	560-030-360	O-Ring (use with 612-023-110)	2
	560-030-363	O-Ring (use with 612-023-110)	2
55	530-018-000	Muffler	1
56	286-015-604	Diaphragm, Overlay	2
57	050-008-365	Check Ball	4
	050-008-354	Check Ball	4
	050-008-356	Check Ball	4
	050-008-360	Check Ball	4
	050-008-363	Check Ball	4
	050-011-600	Check Ball	4
58	518-006-156	Manifold	1
	518-006-110	Manifold	1
	518-006-112	Manifold	1
59	722-026-580	Seat, Check Ball (use with elastomer balls)	2
59A	722-024-110	Seat, Discharge (use with Virgin PTFE & Santoprene balls)	1
59B	722-025-110	Seat, Suction (use with Virgin PTFE balls) (use with Virgin PTFE & Santoprene balls)	1
59C	722-047-112	Seat, Check Ball	2
	722-047-110	Seat, Check Ball	2
60	545-005-330	Nut, Hex (SS units only)	4
Items Not Shown:			
	031-030-000	Valve Body Assembly (Includes Items: 8, 9, 10, 11, 12 & 40)	1
	535-022-115	Name Plate (AL outer chamber only)	2
	705-001-330	Drive Screw (AL outer chamber only)	4
Optional Item:			
	800-008-000	Strainer (AL only)	1

Wet End Kits for SB1-A & SB25A:

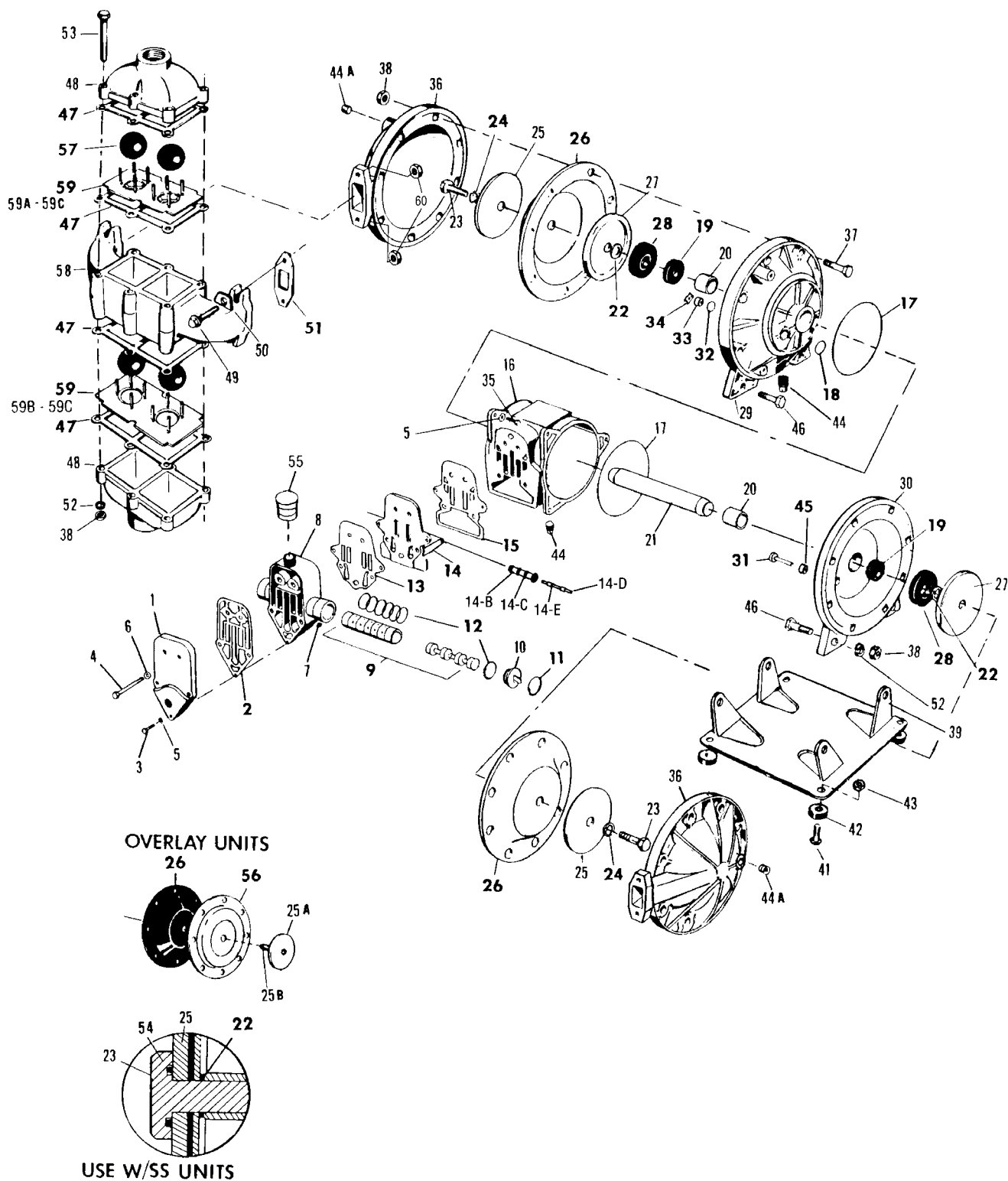
<u>Kit Number</u>	<u>Pump Type</u>
476-034-354	
476-034-356	SR
476-034-360	SB
476-034-363	SV
476-034-365	SN
476-034-633	SC
476-034-634	SH
476-034-635	SGN
476-034-638	SGR

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The Last 3 Digits of Part Number

See listings on previous pages.



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