



SERIES DB



SERIES DB-F

Domestic[®] Pump Series DB[™] & DB-F[™]

REPLACEMENT PARTS



Bell & Gossett

a xylem brand



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How to use this PARTS LIST

The unit nameplate identifies the pump by its pump combination number. Specific pump information is determined by identifying both the pump combination and the motor horsepower which is noted on the motor nameplate.

The following procedure will result in proper parts selection:

1. Determine from the nameplate the pump combination and its capacity.
2. Refer to the motor nameplate to determine the correct motor horsepower.
3. Refer to the index to identify the appropriate page for parts selection.
4. For pumps that are available in multiple horsepower find the correct column on the pump combination page.
5. Using the referenced drawing for the pump, select the appropriate parts.
6. When ordering impellers, be sure to specify the required diameter on the order. If a diameter is not specified, a full size impeller will be furnished. (*Caution: Trimmed impellers may not be returned to the factory for credit.*) For impeller trims consult the factory or **current** pump curves.

IMPORTANT

WHEN ORDERING REPLACEMENT PARTS OR MOTORS BY GENERAL DESCRIPTION
FURNISH ALL NAMEPLATE DATA

DOMESTIC® PUMP			
SERIES		TM	
MODEL			
SERIAL			
GPM	PSI	PUMP	
POWER V.	PH.	HZ 60	
CONTROL V.	PH. 1	HZ 60	
TOTAL F.L. AMP.	LARGEST MOTOR F.L. AMP.		
Bell & Gossett Morton Grove, IL, U.S.A.			

- Pump combinations are noted on each pump nameplate and should be confirmed when using this parts list.
- Complete units furnished with Series DB pumps note pumps combination on unit nameplate.
- Shaded items are recommended spare parts.

DOMESTIC® PUMP	
SERIES	TM GPM
SERIAL	PSI
Bell & Gossett Morton Grove, IL, U.S.A.	

617 DB-F

ITEM NO.	DESCRIPTION	5 & 7½ HP	10 & 15 HP
2	Bearing Frame Assembly	DP1678	DP1678
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1639	DP639
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1638	DP1638
6	Impeller (1st stage) (2)	DP0342	DP0342
7	Impeller (2nd stage) (2)	DP0344	DP0344
8	Diaphragm w/Wear Ring	DP1637	DP1637
9	Suction Flange	P20210	P20210
10	Propeller	DP0618	DP0618
11	Propeller Stem	DP0728	DP0728
12	Straightening Vanes	DP0826	DP0826
13	Wear Ring (for pump volutes)	DP0482	DP0482
14	Wear Ring (for Diaphragm) (1)	DP0485	DP0485
16	Foot Support	DP0923	DP0923
17	Seal Kit with Gaskets	180016	180016
19	Volute Gasket	DG0076	DG0076
20	Suction Flange Gasket	DG0014	DG0014
21	Seal Retaining Ring	DP0897	DP0897
29	Propeller Washer	DJ0292	DJ0292
30	Shaft Extension Washer	not required	not required
31	Locking Pin	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201
48	Retaining Ring	DP0896	DP0896
50	Case Spacer	not required	not required
15	Coupling Guard	DP0554	DP0555
18	Flexible Coupling	DP0525	DP0526
25	Impeller Key	DP0586	DP0586
26	Impeller Key	DP0586	DP0586
27	Coupling Key	DP0587	DP0576
28	Coupling Key	DP0591	DP0591
Misc	Water Slinger (DB-F)	P53550	P53550
Misc	Pump Shaft	DP0730	DP0730
Misc	Bearing Frame	P77103	P77103
Misc	Bearing Cap	P75606	P75606
Misc	Grease Fitting (coupling end)	M43860	M43860
Misc	Grease Fitting (pump end)	J92320	J92320
Misc	Ball Bearing (pump end)	J92415	J92415
Misc	Ball Bearing (coupling end)	J92410	J92410
Misc	Capscrews (4 req)	P10360	P10360
Misc	Spring Washer	J92558	J92558
Misc	Bearing Locknut	not required	not required
Misc	Bearing Lockwasher	not required	not required

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

617 DB

ITEM NO.	DESCRIPTION	5 & 7½ HP	10 & 15 HP
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1679	DP1639
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1640	DP1640
6	Impeller (1st stage) (2)	DP0342	DP0342
7	Impeller (2nd stage) (2)	DP0344	DP0344
8	Diaphragm w/Wear Ring	DP1637	DP1637
9	Suction Flange	P20210	P20210
10	Propeller	DP0618	DP0618
11	Propeller Stem	DP0728	DP0728
12	Straightening Vanes	DP0826	DP0826
13	Wear Ring (for pump volutes)	DP0482	DP0482
14	Wear Ring (for Diaphragm) (1)	DP0485	DP0485
17	Seal Kit with Gaskets	180016	180016
19	Volute Gasket	DG0076	DG0076
20	Suction Flange Gasket	DG0014	DG0014
21	Seal Retaining Ring	DP0897	DP0897
29	Propeller Washer	DJ0292	DJ0292
30	Shaft Extension Washer	not applicable	not applicable
31	Locking Pin	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201
48	Retaining Ring	DP0896	DP0896
25	Impeller Key	DP0586	DP0586
26	Impeller Key	DP0586	DP0586
53	Shaft Extension Locking Pin	DJ0455	DJ0446
51	Shaft Extension	DP0794	DP0792
52	Water Slinger	DP0847	DP0853

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

618 DB-F

ITEM NO.	DESCRIPTION	15 HP	20 & 25 HP	30 HP	40 HP
2	Bearing Frame Assembly	DP1676	DP1676	DP1676	DP1676
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1642	DP1642	DP1642	DP1642
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1641	DP1641	DP1641	DP1641
6	Impeller (1st stage) (2)	DP0360	DP0360	DP0360	DP0360
7	Impeller (2nd stage) (2)	DP0362	DP0362	DP0362	DP0362
8	Diaphragm w/Wear Ring	DP1644	DP1644	DP1644	DP1644
9	Suction Flange	DP0984	DP0984	DP0984	DP0984
10	Propeller	DP0626	DP0626	DP0626	DP0626
11	Propeller Stem	DP0720	DP0720	DP0720	DP0720
12	Straightening Vanes	DP0822	DP0822	DP0822	DP0822
13	Wear Ring (for pump volutes)	DP0484	DP0484	DP0484	DP0484
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482	DP0482
16	Foot Support	DP0921	DP0921	DP0921	DP0921
17	Seal Kit with Gaskets	180017	180017	180017	180017
19	Volute Gasket	DG0077	DG0077	DG0077	DG0077
20	Suction Flange Gasket	DG0165	DG0165	DG0165	DG0165
21	Seal Retaining Ring	DP0895	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	DJ0309	DJ0309	DJ0309	DJ0309
31	Locking Pin	DJ0448	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required	not required
50	Case Spacer	not required	not required	not required	not required
15	Coupling Guard	P85274	P85274	P85274	P85274
18	Flexible Coupling	DP0527	DP0528	DP0528	DP0522
25	Impeller Key	DP0591	DP0591	DP0591	DP0591
26	Impeller Key	DP0591	DP0591	DP0591	DP0591
27	Coupling Key	DP0591	DP0591	DP0591	DP0591
28	Coupling Key	DP0576	DP0576	DP0576	DP0576
Misc	Water Slinger (DB-F)	P53720	P53720	P53720	P53720
Misc	Pump Shaft	DP0734	DP0734	DP0734	DP0734
Misc	Bearing Frame	P77161	P77161	P77161	P77161
Misc	Bearing Cap	P75612	P75612	P75612	P75612
Misc	Grease Fitting (coupling end)	M43860	M43860	M43860	M43860
Misc	Grease Fitting (pump end)	J92420	J92420	J92420	J92420
Misc	Ball Bearing (pump end)	J92412	J92412	J92412	J92412
Misc	Ball Bearing (coupling end)	J92416	J92416	J92416	J92416
Misc	Capscrews (4 req)	P52320	P52320	P52320	P52320
Misc	Spring Washer	J92560	J92560	J92560	J92560
Misc	Bearing Locknut	P76922	P76922	P76922	P76922
Misc	Bearing Lockwasher	P77375	P77375	P77375	P77375

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

618 DB

ITEM NO.	DESCRIPTION	15 HP	20 & 25 HP	30 HP	40 HP
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1642	DP1642	DP1642	DP1642
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1654	DP1654	DP1643	DP1643
6	Impeller (1st stage) (2)	DP0360	DP0360	DP0360	DP0360
7	Impeller (2nd stage) (2)	DP0362	DP0362	DP0362	DP0362
8	Diaphragm w/Wear Ring	DP1644	DP1644	DP1644	DP1644
9	Suction Flange	DP0984	DP0984	DP0984	DP0984
10	Propeller	DP0626	DP0626	DP0626	DP0626
11	Propeller Stem	DP0720	DP0720	DP0720	DP0720
12	Straightening Vanes	DP0822	DP0822	DP0822	DP0822
13	Wear Ring (for pump volutes)	DP0484	DP0484	DP0484	DP0484
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482	DP0482
17	Seal Kit with Gaskets	180017	180017	180017	180017
19	Volute Gasket	DG0077	DG0077	DG0077	DG0077
20	Suction Flange Gasket	DG0165	DG0165	DG0165	DG0165
21	Seal Retaining Ring	DP0895	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	DJ0309	DJ0309	DJ0309	DJ0309
31	Locking Pin	DJ0448	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required	not required
25	Impeller Key	DP0591	DP0591	DP0591	DP0591
26	Impeller Key	DP0591	DP0591	DP0591	DP0591
53	Shaft Extension Locking Pin	DJ0456	DJ0453	DJ0453	DJ0453
51	Shaft Extension	DP0808	DP0806	DP0806	DP0806
52	Water Slinger	DP0853	P53720	P53720	P53720

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

620 DB-F

ITEM NO.	DESCRIPTION	5 & 7½ HP	10 & 15 HP	20 HP
2	Bearing Frame Assembly	DP1677	DP1677	DP1677
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1645	DP1645	DP1645
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1647	DP1647	DP1647
6	Impeller (1st stage) (2)	DP3361	DP3361	DP3361
7	Impeller (2nd stage) (2)	DP3362	DP3362	DP3362
8	Diaphragm w/Wear Ring	DP1644	DP1644	DP1644
9	Suction Flange	DP0982	DP0982	DP0982
10	Propeller	DP0622	DP0622	DP0622
11	Propeller Stem	DP0716	DP0716	DP0716
12	Straightening Vanes	DP0828	DP0828	DP0828
13	Wear Ring (for pump volutes)	DP3365	DP3365	DP3365
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482
16	Foot Support	DP0921	DP0921	DP0921
17	Seal Kit with Gaskets	180017	180017	180017
19	Volute Gasket	DG0079	DG0079	DG0079
20	Suction Flange Gasket	DG0072	DG0072	DG0072
21	Seal Retaining Ring	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	not required	not required	not required
31	Locking Pin	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required
50	Case Spacer	not required	not required	not required
15	Coupling Guard	P85274	P85274	P85274
18	Flexible Coupling	DP0531	DP0527	DP0528
25	Impeller Key	DP0590	DP0590	DP0590
26	Impeller Key	DP0590	DP0590	DP0590
27	Coupling Key	DP0591	DP0591	DP0591
28	Coupling Key	DP0587	DP0576	DP0596
Misc	Water Slinger (DB-F)	P53720	P53720	P53720
Misc	Pump Shaft	DP0732	DP0732	DP0732
Misc	Bearing Frame	P77161	P77161	P77161
Misc	Bearing Cap	P75612	P75612	P75612
Misc	Grease Fitting (coupling end)	M43860	M43860	M43860
Misc	Grease Fitting (pump end)	J92420	J92420	J92420
Misc	Ball Bearing (pump end)	J92412	J92412	J92412
Misc	Ball Bearing (coupling end)	J92416	J92416	J92416
Misc	Capscrews (4 req)	P52320	P52320	P52320
Misc	Spring Washer	J92560	J92560	J92560
Misc	Bearing Locknut	P76922	P76922	P76922
Misc	Bearing Lockwasher	P77375	P77375	P77375

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

620 DB

ITEM NO.	DESCRIPTION	5 & 7½ HP	10 & 15 HP	20 HP
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1645	DP1645	DP1645
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1646	DP1646	DP1646
6	Impeller (1st stage) (2)	DP3361	DP3361	DP3361
7	Impeller (2nd stage) (2)	DP3362	DP3362	DP3362
8	Diaphragm w/Wear Ring	DP1644	DP1644	DP1644
9	Suction Flange	DP0982	DP0982	DP0982
10	Propeller	DP0622	DP0622	DP0622
11	Propeller Stem	DP0716	DP0716	DP0716
12	Straightening Vanes	DP0828	DP0828	DP0828
13	Wear Ring (for pump volutes)	DP3365	DP3365	DP3365
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482
17	Seal Kit with Gaskets	180017	180017	180017
19	Volute Gasket	DG0079	DG0079	DG0079
20	Suction Flange Gasket	DG0072	DG0072	DG0072
21	Seal Retaining Ring	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	not required	not required	not required
31	Locking Pin	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required
25	Impeller Key	DP0590	DP0590	DP0590
26	Impeller Key	DP0590	DP0590	DP0590
53	Shaft Extension Locking Pin	DJ0445	(5)	DJ0453
51	Shaft Extension	DP0802	(5)	DP0804
52	Water Slinger	DP0847	DP0853	P53720

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

(5) Uses integral design motor shaft. Units built prior to 1986 use DP0800 Shaft Extension and DJ0456 Locking Pin.

— Factory recommended spare parts.

628 DB-F

ITEM NO.	DESCRIPTION	30 & 40 HP	50 HP	60 & 75 HP
2	Bearing Frame Assembly	DP1679	DP1679	DP1679
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1650	DP1650	DP1650
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1649	DP1649	DP1649
6	Impeller (1st stage) (2)	DP0408	DP0408	DP0408
7	Impeller (2nd stage) (2)	DP0410	DP0410	DP0410
8	Diaphragm w/Wear Ring	DP1648	DP1648	DP1648
9	Suction Flange	DP0986	DP0986	DP0986
10	Propeller	DP0628	DP0628	DP0628
11	Propeller Stem	DP0722	DP0722	DP0722
12	Straightening Vanes	DP0822	DP0822	DP0822
13	Wear Ring (for pump volutes)	DP0487	DP0487	DP0487
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482
16	Foot Support	DP0922	DP0922	DP0922
17	Seal Kit with Gaskets	180017	180017	180017
19	Volute Gasket	DG0080	DG0080	DG0080
20	Suction Flange Gasket	DG0165	DG0165	DG0165
21	Seal Retaining Ring	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	DJ0289	DJ0289	DJ0289
31	Locking Pin	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required
50	Case Spacer	P85249	not required	not required
15	Coupling Guard	P85278	P85278	P85278
18	Flexible Coupling	DP0522	DP0530	DP0523
25	Impeller Key	DP0595	DP0595	DP0595
26	Impeller Key	DP0595	DP0595	DP0595
27	Coupling Key	DP0595	DP0595	DP0595
28	Coupling Key	DP0596	DP0579	DP0579
Misc	Water Slinger (DB-F)	P53720	P53720	P53720
Misc	Pump Shaft	DP0740	DP0740	DP0740
Misc	Bearing Frame	P77161	P77161	P77161
Misc	Bearing Cap	P75612	P75612	P75612
Misc	Grease Fitting (coupling end)	M43860	M43860	M43860
Misc	Grease Fitting (pump end)	J92420	J92420	J92420
Misc	Ball Bearing (pump end)	J92412	J92412	J92412
Misc	Ball Bearing (coupling end)	J92416	J92416	J92416
Misc	Capscrews (4 req)	P52320	P52320	P52320
Misc	Spring Washer	J92560	J92560	J92560
Misc	Bearing Locknut	P76922	P76922	P76922
Misc	Bearing Lockwasher	P77375	P77375	P77375

(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

(3) Four Required.

(4) For units manufactured after 1979.

— Factory recommended spare parts.

628 DB

ITEM NO.	DESCRIPTION	30 & 40 HP	50 HP	60 & 75 HP
4	Pump Volute w/Wear Ring (1st stage) (4)	DP1650	DP1650	DP1650
5	Pump Volute w/Wear Ring (2nd stage) (4)	DP1651	DP1652	DP1652
6	Impeller (1st stage) (2)	DP0408	DP0408	DP0408
7	Impeller (2nd stage) (2)	DP0410	DP0410	DP0410
8	Diaphragm w/Wear Ring	DP1648	DP1648	DP1648
9	Suction Flange	DP0986	DP0986	DP0986
10	Propeller	DP0628	DP0628	DP0628
11	Propeller Stem	DP0722	DP0722	DP0722
12	Straightening Vanes	DP0822	DP0822	DP0822
13	Wear Ring (for pump volutes)	DP0487	DP0487	DP0487
14	Wear Ring (for Diaphragm) (1)	DP0482	DP0482	DP0482
17	Seal Kit with Gaskets	180017	180017	180017
19	Volute Gasket	DG0080	DG0080	DG0080
20	Suction Flange Gasket	DG0165	DG0165	DG0165
21	Seal Retaining Ring	DP0895	DP0895	DP0895
29	Propeller Washer	DJ0281	DJ0281	DJ0281
30	Shaft Extension Washer	DJ0289	DJ0289	DJ0289
31	Locking Pin	DJ0448	DJ0448	DJ0448
32	Set Screws (3)	DJ0201	DJ0201	DJ0201
48	Retaining Ring	not required	not required	not required
25	Impeller Key	DP0595	DP0595	DP0595
26	Impeller Key	DP0595	DP0595	DP0595
51	Shaft Extension	DP0812	DP0810	DP0810
52	Water Slinger	P53720	DP0857	DP0857

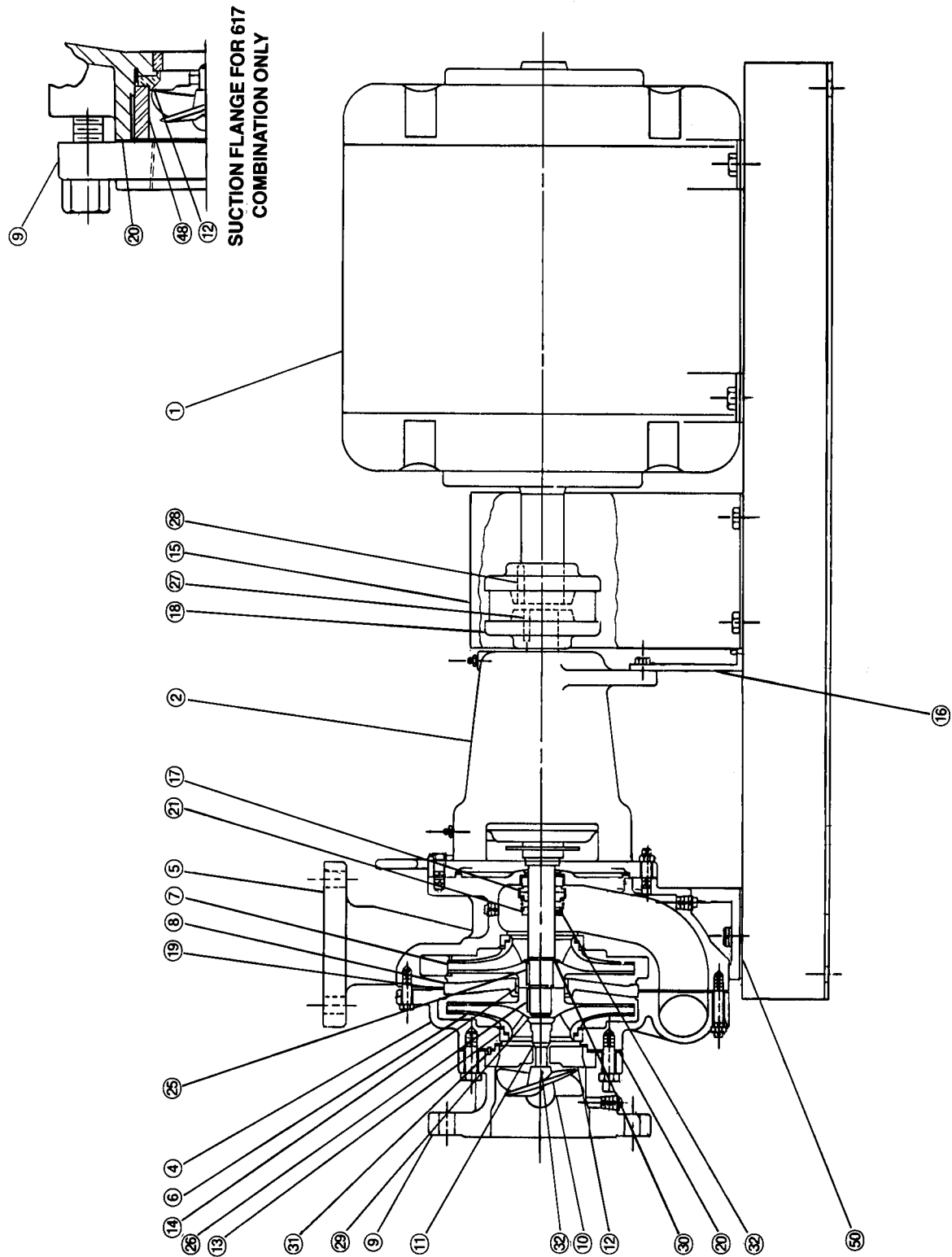
(1) 617 Combinations use one wearing ring only. All other sizes use two wearing rings.

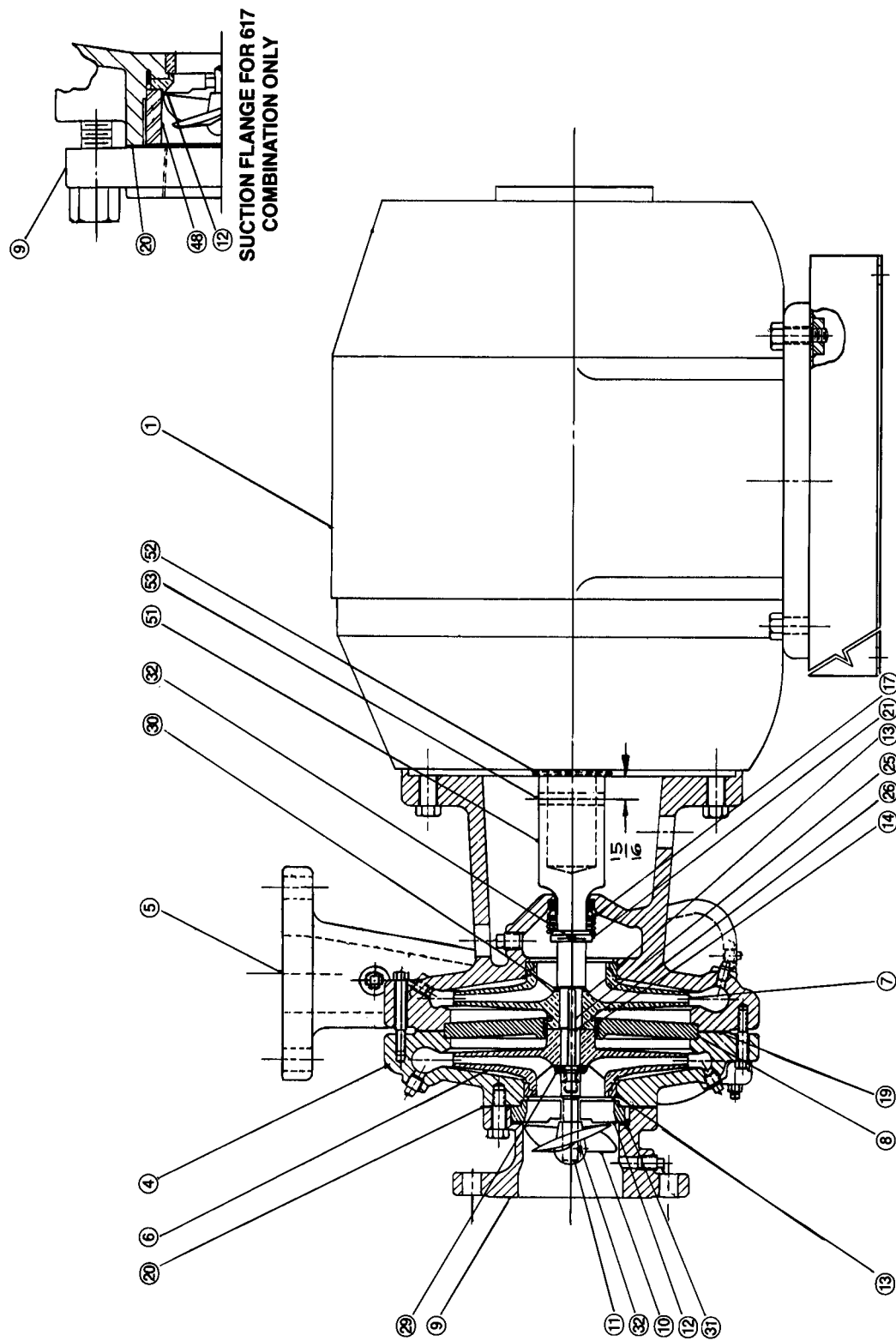
(2) Impeller diameter must be specified when ordering. If no diameter is specified, full diameter impellers will be furnished.

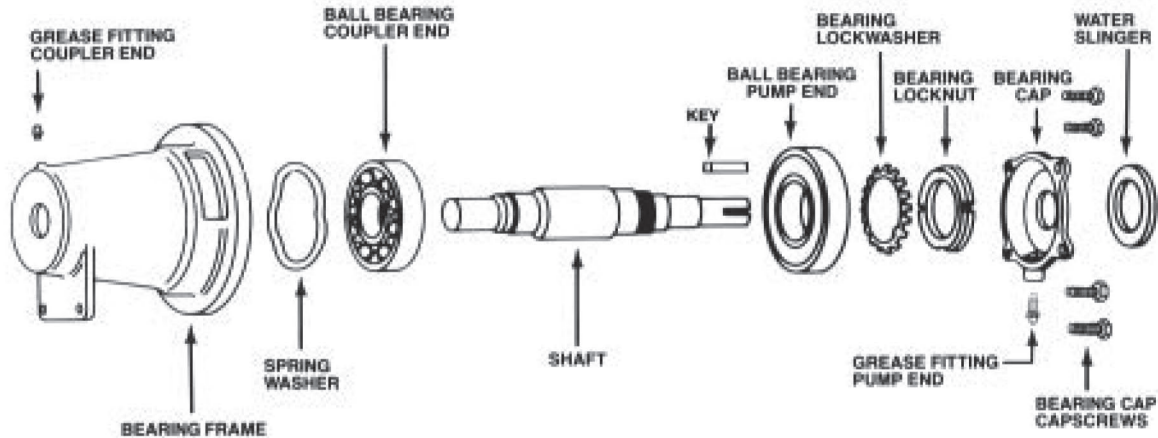
(3) Four Required.

(4) For units manufactured after 1979.

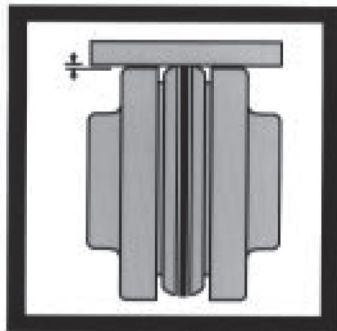
— Factory recommended spare parts.





BEARING ASSEMBLY DETAIL**FLEXIBLE COUPLING ALIGNMENT
(SERIES DB-F ONLY)**

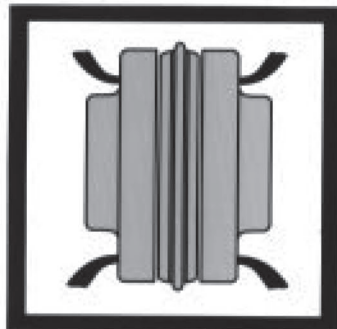
**Check
Parallel
Alignment**



Check parallel alignment by placing a straightedge across the two coupling flanges and measuring the maximum offset at various points around the periphery of the coupling. **DO NOT** rotate the coupling. If the maximum offset exceeds the .015, realign the coupling.

Check angular alignment with a micrometer or caliper. Measure from the outside of one flange to the outside of the other at intervals around the periphery of the coupling. **DO NOT** rotate the coupling. The difference between the maximum and minimum must not exceed .056".

**Check
Angular
Alignment**



If a correction is necessary, be sure to recheck the parallel alignment.

(Note: For maximum life, keep misalignment values as near to zero as possible.)

If the coupling employs the two-piece sleeve with the wire ring, force the ring into its groove in the center of the sleeve.

xylem
Let's Solve Water

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