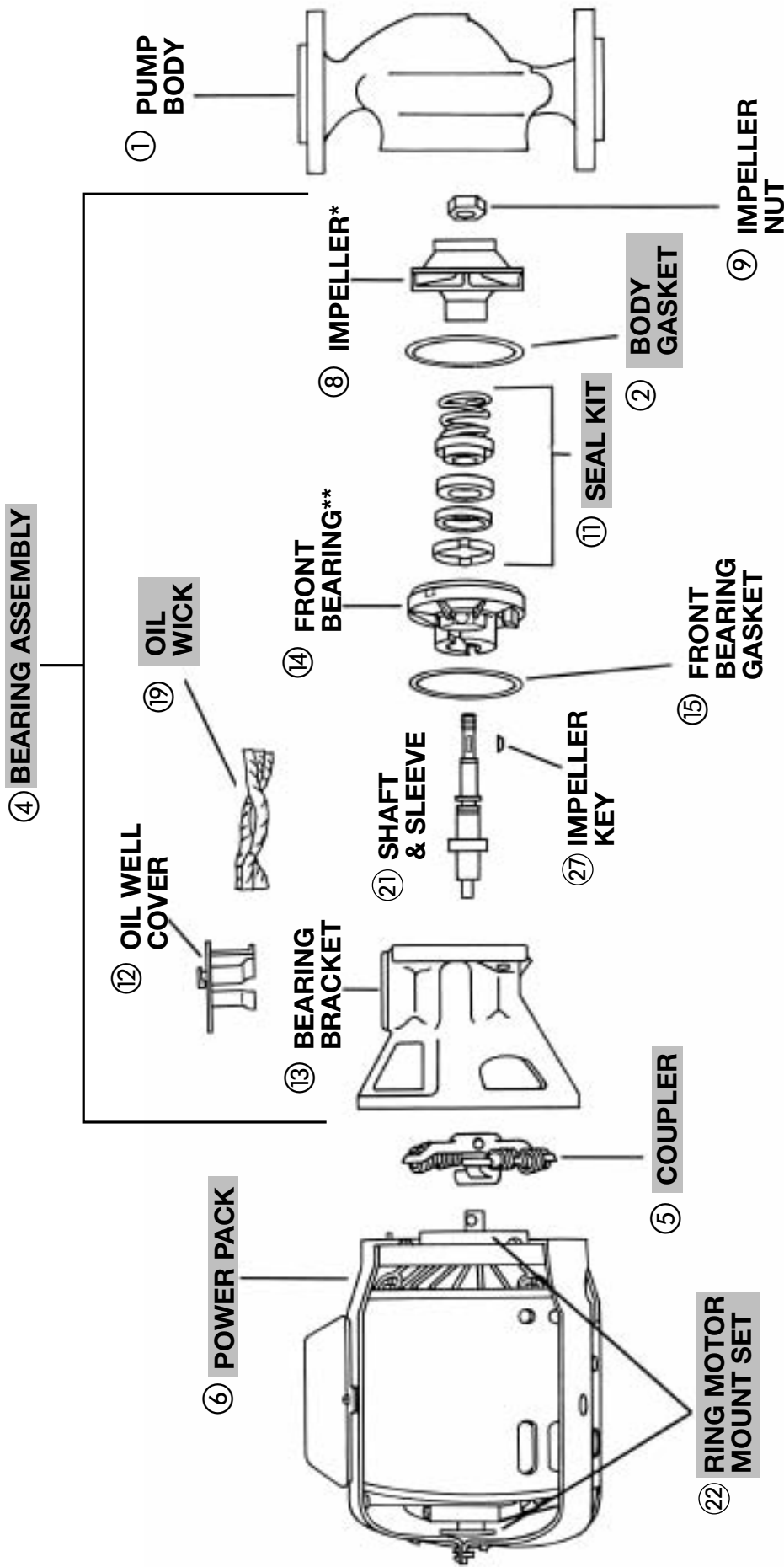




Circulator

Exploded View
For Series 100, Series HV, 2",
PR, 2 1/2", LD-3 & HD-3 Models

*Impeller not always included in Bearing Assembly.

**Shown rotated 90°.

— Factory recommended spare parts.

PARTS FOR SERIES HV & 2"

SERIES HV MANUFACTURED AFTER JANUARY, 1976 ("AT" DATE CODE)

ITEM NO.	DESCRIPTION	HV NFI 102210	HV BI 102230	HV AB 102231	HV BNFI 102213
1	Body	189124	189124	189125LF	189125LF
	Body Capscrew (4 required)	P03470	P03470	P03470	P03470
4	Bearing Assembly	189165LF	189165LF	189165LF	189165LF
4 & 8	Bearing Assembly with Impeller	189166LF	NONE	NONE	189166LF
8	Impeller	189128LF	P07792	P07792	189128LF
5	Coupler Assembly	118705+	118705+	118705+	118705+
	Flange (1")	P00802	P00802	P00804	P00804
	Flange (1 1/4")	P03300	P03300	P2000088	P2000088
	Flange (1 1/2")	P03410	P03410	P2000090	P2000090
	Flange Gasket Set	118373	118373	118373	118373
	Fastener Package w/ Flange Gaskets	P64940	P64940	P64940	P64940
6	Power Pack	111061	111061	111061	111061
22	Ring Motor Mount Set	118223	118223	118223	118223
5 & 22	Coupler & Ring Mount Set	118706	118706	118706	118706

2" MODEL MANUFACTURED AFTER JANUARY, 1976 ("AT" DATE CODE)

ITEM NO.	DESCRIPTION	2" NFI 102214	2" BI 102232	2" AB 102233	2" BNFI 102217
1	Body	189126	189126	189127LF	189127LF
	Body Capscrew (4 required)	P03470	P03470	P03470	P03470
4	Bearing Assembly	189165LF	189165LF	189165LF	189165LF
4 & 8	Bearing Assembly with Impeller	189166LF	N/A	N/A	189166LF
8	Impeller	189128LF	P07792	P07792	189128LF
5	Coupler Assembly	118705+	118705+	118705+	118705+
	Flange (2")	F14200	F14200	P2000078	P2000078
	Flange Gasket Set	118378	118378	118378	118378
	Fastener Package w/ Flange Gaskets	P65031	P65031	P65030	P65030
6	Power Pack	111061	111061	111061	111061
15	Ring Motor Mount Set	118223	118223	118223	118223
5 & 22	Coupler & Ring Mount Set	118706	118706	118706	118706

BEARING ASSEMBLIES

ITEM NO.	DESCRIPTION	189165LF**	189166LF***
13	Bearing Bracket	P77139	P77139
2	Body Gasket	P04890	P04890
14	Front Bearing	P77308LF	P77308LF
15	Front Bearing Gasket	P80816	P80816
27	Impeller Key	P04940	P04940
	Impeller Gasket	NONE	P57000
9	Impeller Nut	P2000236	P2000236
12	Oil Well Cover	P81239	P81239
19	Oil Wick Set	118395	118395
11	Seal Kit*	118681LF	118681LF
21	Shaft & Sleeve	189035LF	189035LF
8	Impeller	NONE	189128LF

*For Built-To-Order pumps, see the seal selection chart on page 35.

**Use same replacement parts for obsolete bearing assemblies 189120 or 189122.

***Use same replacement parts for obsolete bearing assembly 189136.

+Cast Iron type. For Stamped Steel, use 189110.

N/A - Not Available.

■ - Factory recommended spare parts.

NOTE: Refer to page 3 for exploded view of typical circulator.

PARTS FOR OBSOLETE CIRCULATORS

MANUFACTURED BETWEEN JANUARY, 1951 AND AUGUST, 1976

ITEM NO.	DESCRIPTION	JAN. 1951 – AUG. 1976, 1M-HT				JAN. 1951 – AUG. 1975, 1M-HR		
		1"	1 1/4"	1 1/2"	2"	1" HV	1 1/4" HV	1 1/2" HV
1	Body (Cast Iron or Brass)	All Bodies are Obsolete						
	Body Capscrew (4 required)	P03470	P03470	P03470	P03470	P03470	P03470	P03470
4	Bearing Assemblies:							
4	For C.I. Models w/ Steel Impeller	189162	189162	189162	189163	189163	189163	189163
4	For C.I. Models w/ Brass Impeller	189162	189162	189162	189163	189163	189163	189163
4	For All Bronze Models	N/A	N/A	189163LF	189163LF	189163LF	189163LF	189163LF
8	Impeller (Steel)	118665	118666	118666	118668	118668	118668	118668
8	Impeller (Brass)	118434LF	118435LF*	118435LF*	118436LF	118436LF	118436LF	118436LF
5	Coupler Assembly	118705+	118705+	118705+	118705+	118705+	118705+	118705+
	Flange (Steel)	N/A	P03250	P03410	F14200	P00802	P03300	P03410
	Flange (Brass)	P00804	P2000088	P2000090	P2000078	P00804	P2000088	P2000090
	Flange Gasket Set	118351	118368	118373	118065	118373	118373	118373
	Fastener Package w/ Flange Gaskets	P64230	P64910	P64930	F91600	P64930	P64930	P64930
6	Power Pack	111031**	111031**	111031**	111031**	111031**	111031**	111031**
22	Ring Motor Mount Set	118223	118223	118223	118223	118223	118223	118223

N/A - Not Available

+Cast Iron type. For Stamped Steel, use 189110.

*Used with iron body only. Use impeller 118436 with brass body pumps.

**115V only. For 230V, use 111033.

BEARING ASSEMBLIES

ITEM NO.	DESCRIPTION	189162 ¹	189163 ²
13	Bearing Bracket	P77106	P77106
2	Body Gasket	P04890	P04890
14	Front Bearing	P77308	P77309
15	Front Bearing Gasket	P80816	P80816
27	Impeller Key	P04940	P04940
	Impeller Gasket	P57000	P57000
9	Impeller Nut	P2000236▲	P2000236
12	Oil Well Cover	P81239	P81239
19	Oil Wick Set	118395LF	118395LF
11	Seal Kit▼	118681LF	118681LF
21	Shaft & Sleeve	189035LF	189035LF

¹ Use same replacement parts for obsolete bearing assemblies 189100 or 189104.² Replaces obsolete bearing assemblies 189101, 189102 & 189103.

▲On IB pumps, P04650 lockwasher & P04670 nut may be used.

▼For Built-To-Order pumps, see the seal selection chart on page 35.

■ – Factory recommended spare parts.

NOTE: Refer to page 3 for exploded view of typical circulator.

PARTS FOR OBSOLETE CIRCULATORS

MANUFACTURED BETWEEN:		FEB. – SEPT. 1976 BT-JT		APRIL - SEPT. 1976 DT-JT	SEPT. – DEC. 1976 JT-MT		OCT. 1975 – APRIL 1976 KR-DT
ITEM NO.	DESCRIPTION	1 1/2"			HV		
		IB 102033	BI 102034	AB 102036	IB 102308	BI 102309	AB 102311
1	Body (Cast Iron or Brass)	All Bodies are Obsolete					
	Body Capscrew (4 required)	P03470	P03470	P03470	P03470	P03470	P03470
4	Bearing Assembly	189165	189165LF	N/A	N/A	N/A	N/A
8	Impeller	118666	118435LF	118436LF	118668	118436LF	118436LF
5	Coupler Assembly	118705+	118705+	118705+	118705+	118705+	118705+
	Flange (1")	-	-	-	P00802	P00802	P00804
	Flange (1 1/4")	-	-	-	P03300	P03300	P2000088
	Flange (1 1/2")	P03410	P03410	P2000090	P03410	P03410	P2000090
	Flange Gasket Set	118373	118373	118373	118373	118373	118373
	Fastener Package w/ Flange Gaskets	P64940	P64940	P64930	P64940	P64940	P64930
6	Power Pack	111061	111061	111061	111061	111061	111061
22	Ring Motor Mount Set	118223	118223	118223	118223	118223	118223
5 & 22	Coupler & Ring Mount Set	118706	118706	118706	118706	118706	118706

N/A – Not Available

+Cast Iron type. For Stamped Steel, use 189110.

BEARING ASSEMBLIES

ITEM NO.	DESCRIPTION	189165LF	HVIB (a)	HVBI (b)	1 1/2 "AB & HVAB (c)
13	Bearing Bracket	P77139	P77139	P77139	P77139
2	Body Gasket	P04890	P04890	P04890	P04890
14	Front Bearing	P77308LF	P77309	P77309	P77309
15	Front Bearing Gasket	P80816	P80816	P80816	P80816
27	Impeller Key	P04940	P04940	P04940	P04940
	Impeller Gasket	P57000	NONE	NONE	P57000
9	Impeller Nut	P2000236	J91702	J91702	P2000236
12	Oil Well Cover	P81239	P81239	P81239	P81239
19	Oil Wick Set	118395	118395	118395	118395
11	Seal Kit*	118681LF	118681LF	118681LF	118681LF
21	Shaft & Sleeve	189035LF	189035LF	189035LF	189035LF

* For Built-To-Order pumps, see the seal selection chart on page 35.

(a) Replacement parts for obsolete model 189121.

(b) Replacement parts for obsolete model 189129.

(c) Replacement parts for obsolete model 189131.

■ – Factory recommended spare parts.

NOTE: Refer to page 3 for exploded view of typical circulator.