

The information herein is correct at the time of issue but may be subject to change without prior notice

1. SCPP 2/006/015/018/024 4

2. SCPP 2/030/034 8

3. SCPP 2/045/060/130/134 12

4. SCPP 2/180/220 16

5. SCPP 2/210 20

6. SCPP 2/006/015/018 - Sealing 24

7. SCPP 2/030/034 - Sealing 26

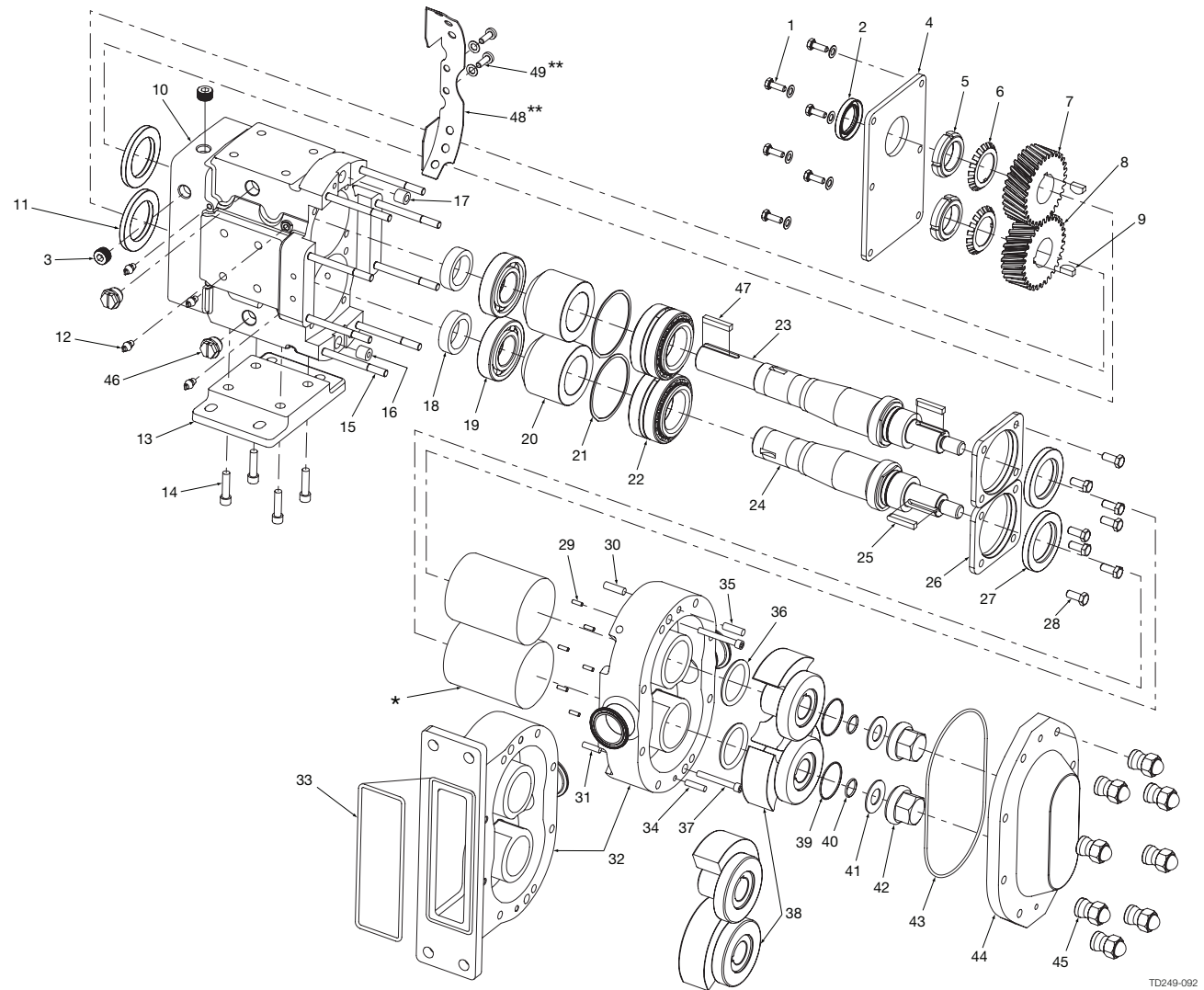
8. SCPP 2/045/060/130/134 - Sealing 28

9. SCPP 2/180/220 - Sealing 30

10. SCPP 2/210 - Sealing 32

* See seal repair parts

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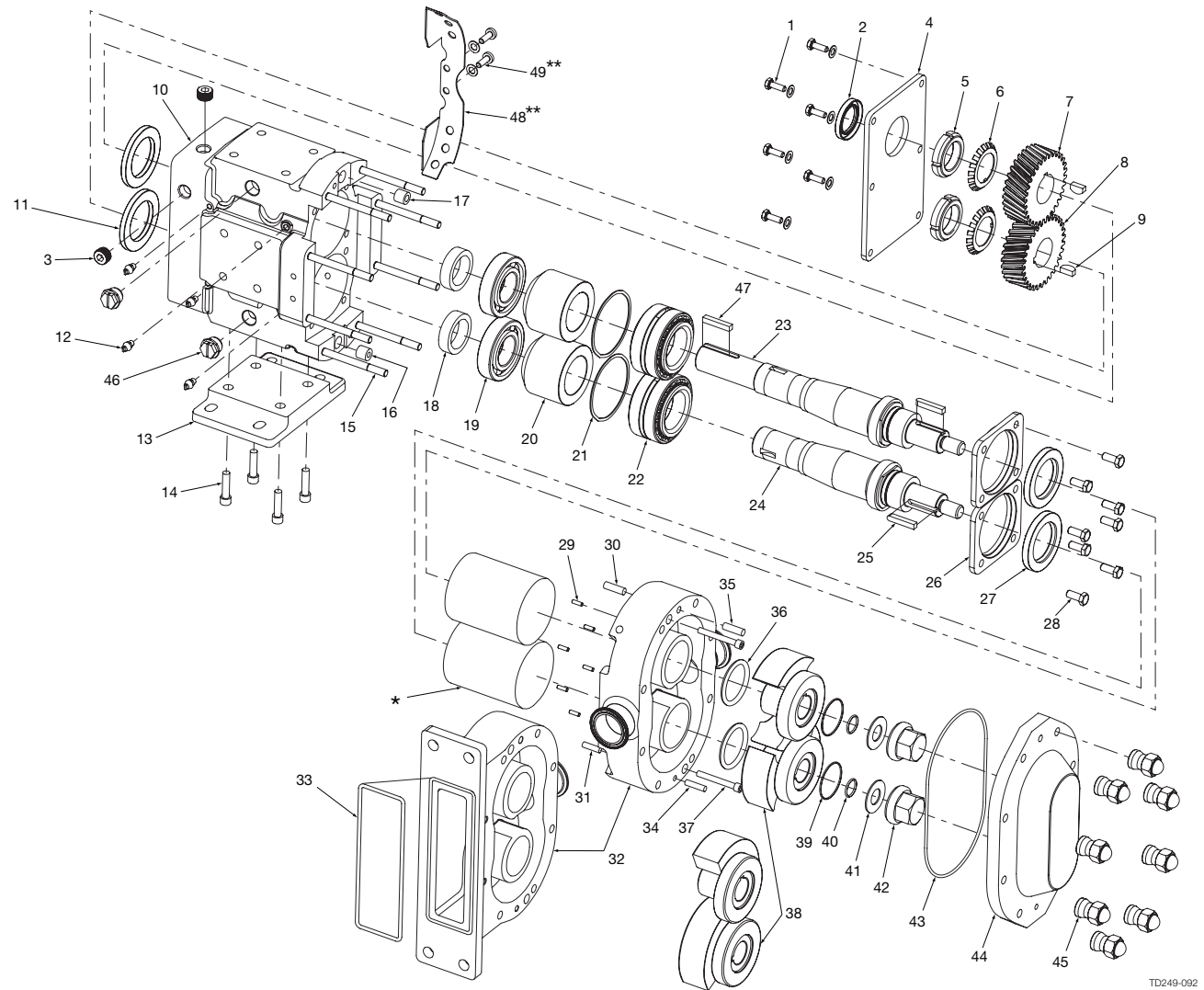


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		9639-0011-01
1b	6	Washer GC Cover Capscrew, SS		9639-0011-02
2	1	Oil Seal - Gear Case Cover	000030016	9639-0021-01
3	4	Oil Level, Drain Plug, SS		9639-0031-01
4	1	Gear Case Cover, Steel (includes installed seal)	020106000	9639-0041-01
	1	Gear Case Cover, SS (includes installed seal)	102280	9639-0041-02
5	2	Lock Nut - Gear	STD236005	9639-0051-01
6	2	Lock Washer - Gear	STD136005	9639-0061-01
7	1	Gear Drive Shaft	015007001	9639-0071-01
8	1	Gear Short Shaft	015007002	9639-0081-01
9	2	Key, Gear	015037000	9639-0091-01
10	1	Gear Case, Cl	102276	9639-0101-01
	1	Gear Case, SS	101831	9639-0101-02
11	2	Oil Seal Rear	000030017	9639-0111-01
12	8	Grease Fitting 1/8	BD0092000	9639-0121-01
	8	Grease Fitting 1/8, SS		9639-0121-02
13	1	Mounting Shim (Gear Case Base), Cl	020110000	9639-0131-01
	1	Mounting Shim (Gear Case Base), SS	102284	9639-0131-02
14	4	Socket Head Capscrew, Mounting Shim, SS		9639-0141-01
15	8	Stud, 006-015	AD0011000	9639-0151-01
	8	Stud Jacketed Cover, 006-015	AD0011J00	9639-0151-03
	8	Stud, 018	018011000	9639-0151-02
	8	Stud Jacketed Cover, 018	AD0011100	9639-0151-04
	6	Stud, 024	018011000	9639-0151-02
	2	Short Stud, Std Cover, 024	35547	9639-0151-05
	6	Stud Jacketed Cover, 024	AD0011100	9639-0151-04
	2	Stud, Jacketed Cover, 024	35548	9639-0151-06
16	1	Dowel Bushing, Lower	AD0116100	9639-0161-01
17	1	Dowel Bushing, Upper	AD0116000	9639-0171-01
18	2	Spacer Gear to Rear Bearing	015055000	9639-0181-01
19	2	Rear Bearing	015035000	9639-0191-01
20	2	Spacer Bearing	101814	9639-0201-01
21	2	Shim Kit	117889	9639-0211-01
22	2	Front Bearing	101714	9639-0221-01
23	1	Drive Shaft (316L SS), 006-015	108405	9639-2231-01
	1	Drive Shaft (316L SS), 018	108407	9639-2231-02
24	1	Auxillary Shaft (316L SS), 006-015	108406	9639-2241-01
	1	Auxillary Shaft (316L SS), 018	108408	9639-2241-02
25	2	Rotor Key, 006-015	101817	9639-2251-02
	2	Rotor Key, 018	101819	9639-2251-01
26	2	Bearing Retainer Front	120332	9639-0261-01
	2	Bearing Retainer Front (previous version)	101810	9639-0261-03
27	2	Grease Seal Front Brg Ret	121679	9639-0271-01
	2	Grease Seal Front Brg Ret (previous version)	101716	9639-0271-03
28	8	Button Head Cap Screw, Bearing Retainer, SS		9639-0281-01
29	6	Stop Pin, Seal	101718	9639-2291-01
30	1	Dowel Pin, Upper Gear Case Side	AD0040R00	9639-0301-01
31	1	Dowel Pin, Lower Gear Case Side	AD0040R10	9639-0311-01
32	1	Rotorcase, 006 - 1" Triclamp		9639-2321-01
	1	Rotorcase, 006 - 1.1/2" Triclamp		9639-2321-02
	1	Rotorcase, 015 - 1.1/2" Triclamp		9639-2321-03
	1	Rotorcase, 018 - 1.1/2" Triclamp		9639-2321-05
	1	Rotorcase, 018 - 2" Triclamp		9639-2321-06
	1	Rotorcase, 024 - Rect / 2" Triclamp		9639-2321-08
	1	Rotorcase for Flush, 006 - 1" Triclamp		9639-2321-11
	1	Rotorcase for Flush, 006 - 1.1/2" Triclamp		9639-2321-12
	1	Rotorcase for Flush, 015 - 1.1/2" Triclamp		9639-2321-13
	1	Rotorcase for Flush, 018 - 1.1/2" Triclamp		9639-2321-15
	1	Rotorcase for Flush, 018 - 2" Triclamp	9639-2321-16	
	1	Rotorcase for Flush, 024 - Rect / 2" Triclamp		9639-2321-18
33	1	Rectangular Flange O Ring, 024 - NBR	N70245	9639-0331-01
34	1	Dowel (lower cover)	AD0040100	9639-0341-01
35	1	Dowel (upper cover)	AD0040000	9639-0351-01
36	2	Rotor Hub O Ring - NBR	N70121	9639-2361-01
	2	Rotor Hub O Ring - EPDM	E70121	9639-2361-02
	2	Rotor Hub O Ring - FPM	V70121	9639-2361-03
37	2	Rotorcase Retaining Screw, 006-015	30-523	9639-0371-01
	2	Rotorcase Retaining Screw, 018		9639-0371-02
38	2	Rotor Twin Blade, Non-Galling Alloy, 006	101870	9639-2381-01
	2	Rotor Twin Blade, Non-Galling Alloy, 015	101882	9639-2381-02
	2	Rotor Twin Blade, Non-Galling Alloy, 018	101894	9639-2381-03
39	2	Rotor Nut O Ring - NBR	N70126	9639-2391-01
	2	Rotor Nut O Ring - EPDM	E70126	9639-2391-02
	2	Rotor Nut O Ring - FPM	V70126	9639-2391-03

* See seal repair parts

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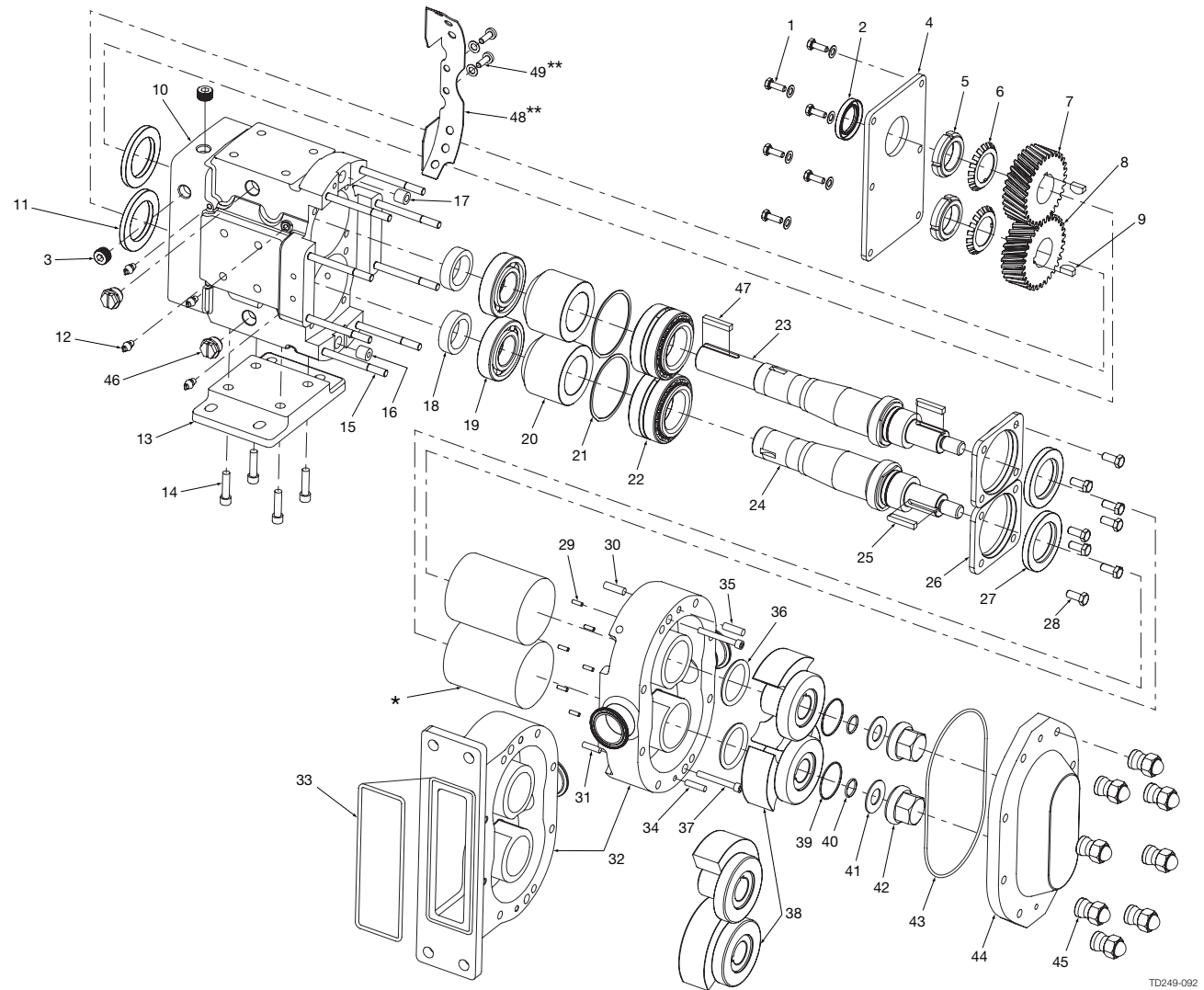


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
40	2	Rotor Nut O Ring - NBR	N70112	9639-2401-01
	2	Rotor Nut O Ring - EPDM	E70112	9639-2401-02
	2	Rotor Nut O Ring - FPM	V70112	9639-2401-03
41	2	Washer, Belleville	101691	9639-2411-01
42	2	Rotor Nut	101804	9639-2421-01
43	1	Cover O Ring - NBR	N70249	9639-2431-01
	1	Cover O Ring - EPDM	E70249	9639-2431-02
	1	Cover O Ring - FPM	V70249	9639-2431-03
44	1	Pump Cover	101842	9639-2441-01
	1	Pump Cover - Jacketed	107664	9639-2441-02
45	8	Hex Nut	108369	9639-0451-02
	8	Wing Nut	105850	9639-0451-01
46	4	Large Cleanout Plug		9639-0461-01
47	1	Drive Shaft Key, 3/16 X 3/16 X 1 1/8	000037001	9639-0471-01
48	2	Seal Guards, SS		9639-0481-01
49	4	Fastner, Seal Guard		9639-0491-01
49a	4	Washer, Seal Guard		9639-0491-02
	4	O Ring Removal Tool	AD0096001	9639-0901-01
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639-0903-01
	4	Grease micro plate #2 (1 lb tube)	000140002	9639-0904-01
	4	Sealant RTV	000142301	9639-0905-01
	8	Grease Fitting Cap, Red Plastic		9639-0906-01
	12	Plastic Cap Tapped Holes, Mounting Pad	000121003	9639-0907-01
	2	Eye Bolt	30-360	9639-0908-01

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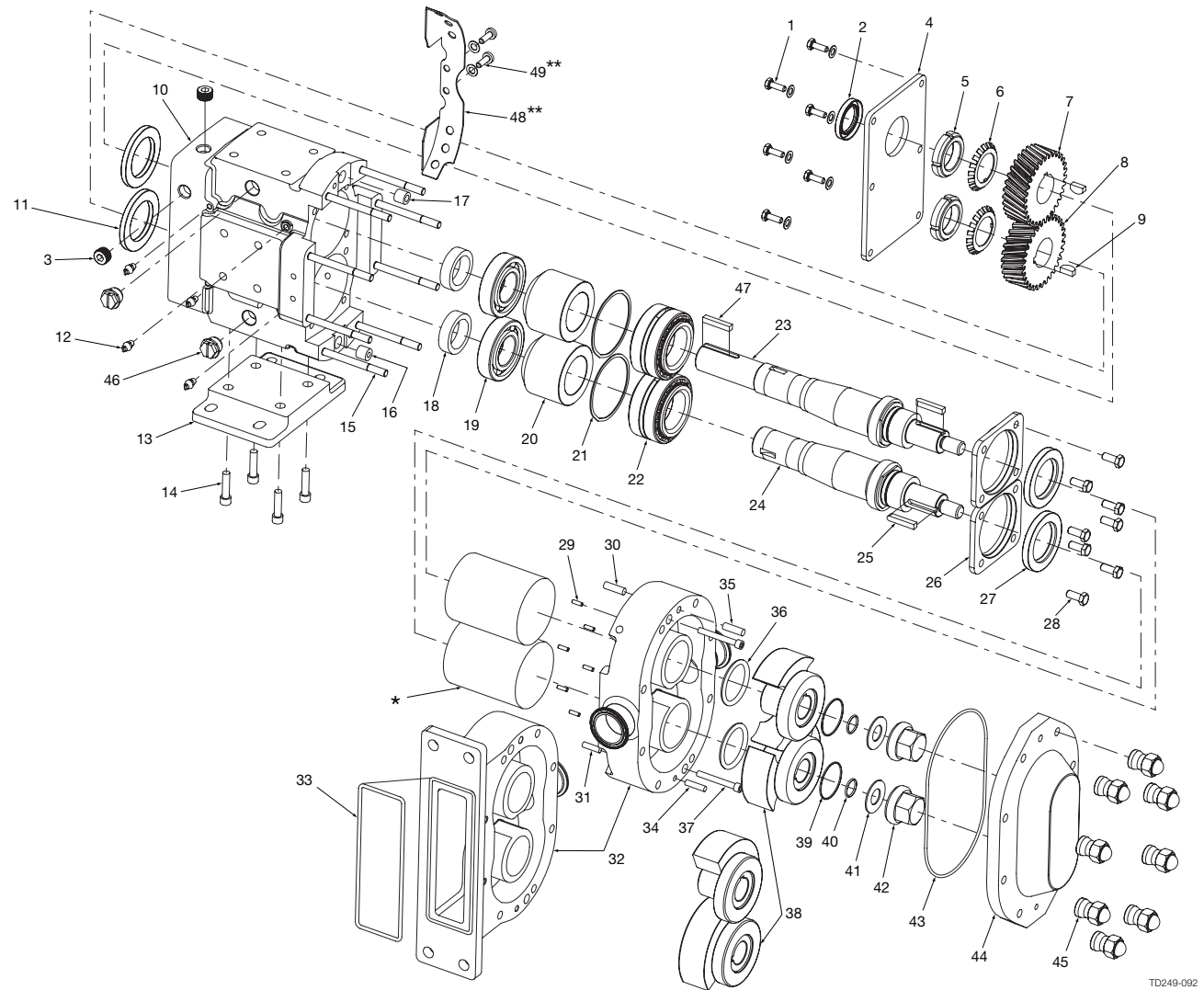


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS		9639-0011-01
1a	6	Washer GC Cover Capscrew, SS		9639-0011-02
2	1	Oil Seal - Gear Case Cover	000030013	9639-0022-01
3	4	Oil Level, Drain Plug, SS		9639-0032-01
4	1	Gear Case Cover, Steel (includes installed seal)	040106000	9639-0042-01
	1	Gear Case Cover, SS (includes installed seal)	102281	9639-0042-02
5	2	Lock Nut - Gear	CD0036N00	9639-0052-01
6	2	Lock Washer - Gear	CD0036W00	9639-0062-01
7	1	Gear Drive Shaft	030007001	9639-0072-01
8	1	Gear Short Shaft	030007002	9639-0082-01
9	2	Key, Gear	BD0037000	9639-0092-01
10	1	Gear Case, Cl	102277	9639-0102-01
	1	Gear Case, SS	101833	9639-0102-02
11	1	Oil Seal Rear	000030014	9639-0112-01
12	8	Grease Fitting 1/8	BD0092000	9639-0121-01
	8	Grease Fitting 1/8, SS		9639-0121-02
13	1	Mounting Shim (Gear Case Base), Cl	040110000	9639-0132-01
	1	Mounting Shim (Gear Case Base), SS	102285	9639-0132-02
14	4	Capscrew, Gear Case Base, SS		9639-0142-01
15	8	Stud, 030	108842	9639-0152-01
	8	Stud Jacketed cover, 030	108845	9639-0152-03
	6	Stud, 034	108842	9639-0152-01
	2	Stud, Short, 034	35555	9639-0152-05
	6	Stud Jacketed cover, 034	108845	9639-0152-03
	2	Stud, Short, Jacketed Cover, 034	35549	9639-0152-06
16	1	Dowel Busing Lower	BD0116100	9639-0162-01
17	1	Dowel Busing, Upper	BD0116000	9639-0172-01
18	2	Spacer Gear to Rear Bearing	030055000	9639-0182-01
19	2	Rear Bearing	030035000	9639-0192-01
20	2	Spacer Bearing	101815	9639-0202-01
21	2	Shim Kit		9639-0212-01
22	2	Front Bearing	101715	9639-0222-01
23	1	Drive Shaft (17-4PH)	108409	9639-2232-01
24	1	Auxillary Shaft (17-4PH)	108410	9639-2242-01
25	2	Rotor Key, 030	101821	9639-2252-01
26	2	Bearing Retainer Front	120333	9639-0262-01
	2	Bearing Retainer Front (previous version)	101811	9639-0262-03
27	2	Grease Seal Front Brg Ret	121680	9639-0272-01
	2	Grease Seal Front Brg Ret (previous version)	101717	9639-0272-03
28	8	Button Head Cap Screw, Bearing Retainer, SS	30-29	9639-0282-01
29	6	Stop Pin, Seal	101719	9639-2292-01
30	1	Dowel Pin, Upper Gear Case Side	BD0040200	9639-0302-01
31	1	Dowel Pin, Lower Gear Case Side	BD0040300	9639-0312-01
32	1	Rotorcase, 030 - 1.1/2" Triclamp		9639-2322-01
	1	Rotorcase, 030 - 2" Triclamp		9639-2322-02
	1	Rotorcase, 034 - Rect / 2" Triclamp		9639-2322-04
	1	Rotorcase for Flush, 030 - 1.1/2" Triclamp		9639-2322-11
	1	Rotorcase for Flush, 030 - 2" Triclamp		9639-2322-12
	1	Rotorcase for Flush, 034 - Rect / 2" Triclamp		9639-2322-14
33	1	Rectangular Flange O Ring, 034 - NBR	N70357	9639-0332-01
34	1	Dowel Pin, Lower Cover Side	BD0040100	9639-0342-01
35	1	Dowel Pin, Upper Cover Side	BD0040000	9639-0352-01
36	2	Rotor Hub O Ring - NBR	N70127	9639-2362-01
	2	Rotor Hub O Ring - EPDM	E70127	9639-2362-02
	2	Rotor Hub O Ring - FPM	V70127	9639-2362-03
37	2	Rotorcase Retaining Screw, 030		9639-0372-01
38	2	Rotor Twin Blade, Non-Galling Alloy, 030	102151	9639-2382-01
39	2	Rotor Nut O Ring - NBR	N70130	9639-2392-01
	2	Rotor Nut O Ring - EPDM	E70130	9639-2392-02
	2	Rotor Nut O Ring - FPM	V70130	9639-2392-03

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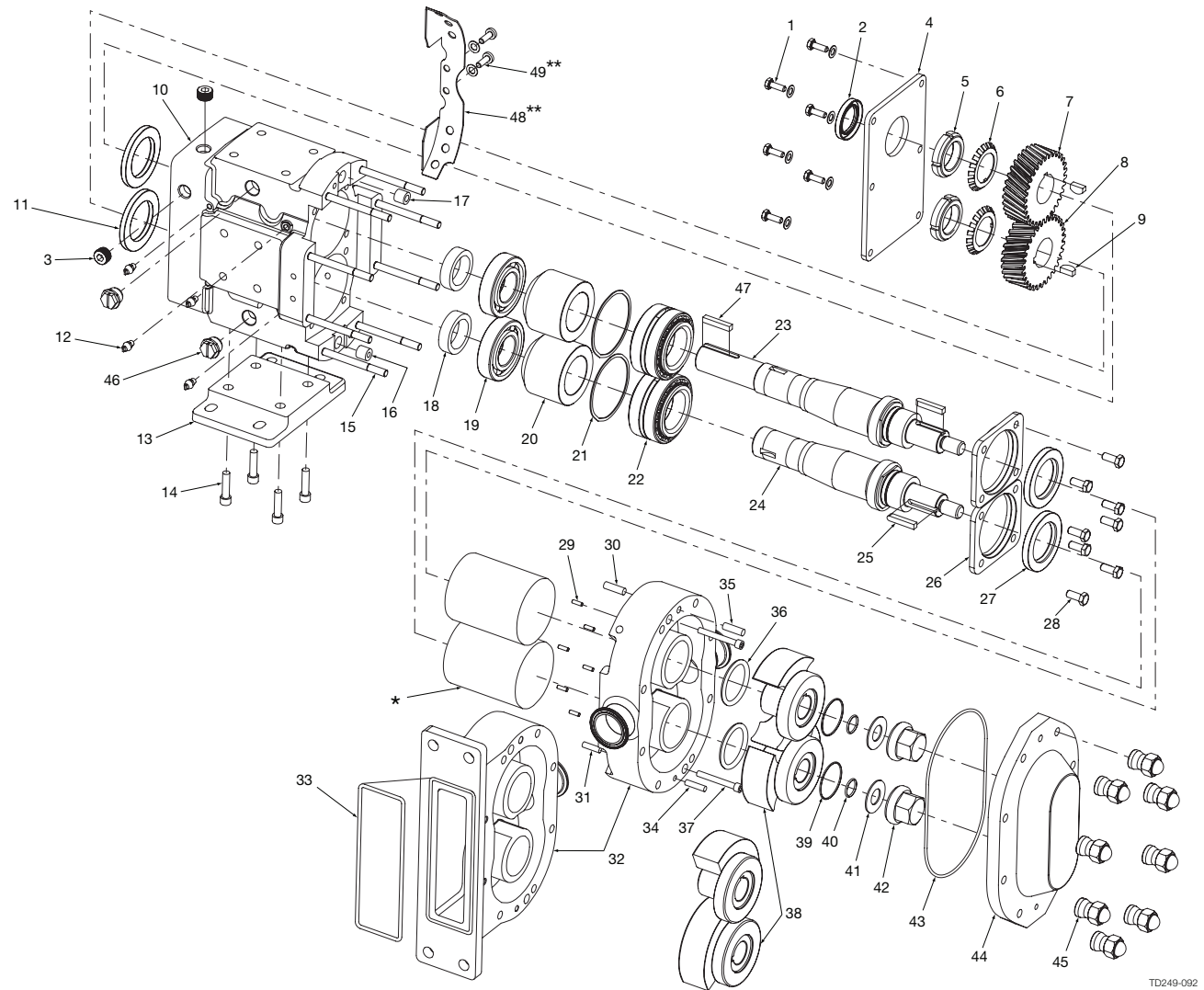


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Pos	Qty	Denomination	Reference Part	
			No.	Item Number
40	2	Retainer O Ring - NBR	N70115	9639-2402-01
	2	Retainer O Ring - EPDM	E70115	9639-2402-02
	2	Retainer O Ring - FPM	V70115	9639-2402-03
41	2	Washer, Belleville	101692	9639-2412-01
42	2	Rotor Nut	101805	9639-2422-01
43	1	Cover O Ring - NBR	N70259	9639-2432-01
	1	Cover O Ring - EPDM	E70259	9639-2432-02
	1	Cover O Ring - FPM	V70259	9639-2432-03
44	1	Pump Cover	101845	9639-2442-01
	1	Pump Cover - Jacketed	107666	9639-2442-02
45	8	Hex Nut	108370	9639-0452-02
	8	Wing Nut	105851	9639-0452-01
46	4	Large Cleanout Plug		9639-0462-01
47	1	Drive Shaft Key, 1/4 X 1/4 X 1 3/4	000037002	9639-0472-01
48	2	Seal Guards, SS		9639-0482-01
49	4	Fastner, Seal Guard		9639-0491-01
49a	4	Washer, Seal Guard		9639-0491-02
	4	O Ring Removal Tool	AD0096001	9639-0901-01
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639-0903-01
	4	Grease micro plate #2 (1 lb tube)	000140002	9639-0904-01
	4	Sealant RTV	000142301	9639-0905-01
	8	Grease Fitting Cap, Red Plastic	9639-0906-01	
	12	Plastic Cap Tapped Holes, Mounting Pad	000121002	9639-0907-02
	2	Eye Bolt	30-360	9639-0908-01

* See seal repair parts

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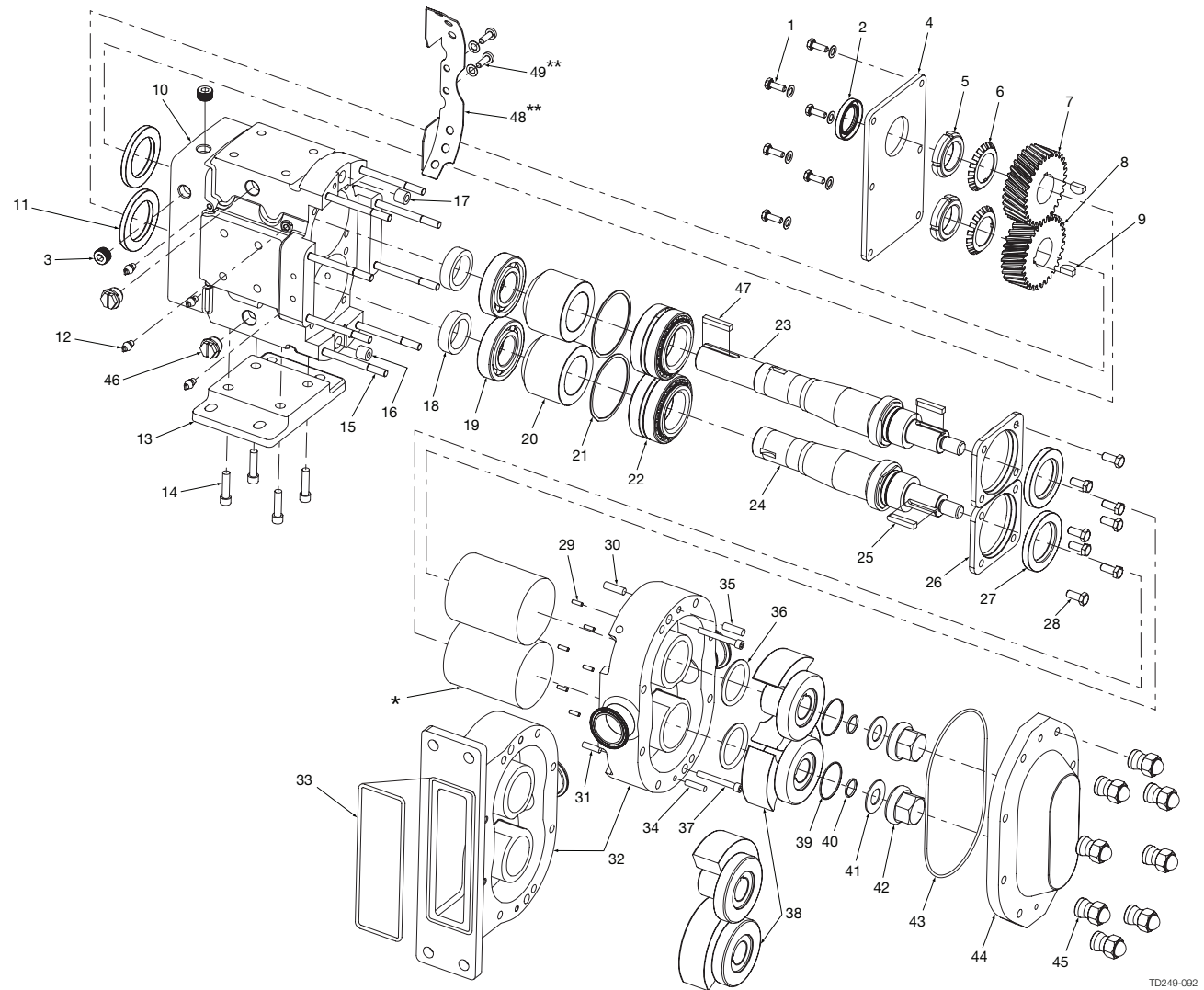


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	30-50	9639-0013-01
1a	6	Washer GC Cover Capscrew, SS		9639-0013-02
2	1	Oil Seal - Gear Case Cover	000030012	9639-0023-01
3	4	Oil Level, Drain Plug, SS		9639-0032-01
4	1	Gear Case Cover, Steel (includes installed seal)	070106000	9639-0043-01
	1	Gear Case Cover, SS (includes installed seal)	102282	9639-0043-02
5	2	Lock Nut - Gear	STD236009	9639-0053-01
6	2	Lock Washer - Gear	STD136009	9639-0063-01
7	1	Gear Drive Shaft	060007001	9639-0073-01
8	1	Gear Short Shaft	060007002	9639-0083-01
9	2	Key, Gear	060037000	9639-0093-01
10	1	Gear Case, Cl	070005000	9639-0103-01
	1	Gear Case, SS	101834	9639-0103-02
11	2	Oil Seal Rear	000030011	9639-0113-01
12	8	Grease Fitting 1/8	BD0092000	9639-0121-01
	8	Grease Fitting 1/8, SS		9639-0121-02
13	1	Mounting Shim (Gear Case Base), Cl	070110000	9639-0133-01
	1	Mounting Shim (Gear Case Base), SS	102286	9639-0133-02
14	4	Socket Head Capscrew, Mounting Shim, SS		9639-0143-01
15	8	Stud, 045		9639-0153-08
	8	Stud Jacketed cover, 045		9639-0153-09
	8	Stud, 060	108843	9639-0153-01
	8	Stud Jacketed Cover, 060	108846	9639-0153-03
	8	Stud, 130	130011000	9639-0153-02
	8	Stud Jacketed Cover, 130	130011001	9639-0153-04
	6	Stud, 064	108843	9639-0153-01
	2	Stud, Short, 064	OC1050000	9639-0153-05
	6	Stud Jacketed Cover, 064	108846	9639-0153-03
	2	Stud, Short, Jacketed, 064	35556	9639-0153-07
	6	Stud, 134	130011000	9639-0153-02
	2	Stud, Short, 134	OC1050000	9639-0153-05
	6	Stud Jacketed Cover, 134	130011001	9639-0153-04
	2	Stud, Short, Jacketed, 134	35556	9639-0153-07
16	1	Dowel Bushing, Lower	CD0116100	9639-0163-01
17	1	Dowel (lower cover)	CD0116000	9639-0173-01
18	2	Spacer Gear to Rear Bearing	107187	9639-0183-01
19	2	Rear Bearing	107186	9639-0193-01
20	2	Spacer Bearing	060055003	9639-0203-01
21	2	Shim Kit	117891	9639-0213-01
22	2	Front Bearing	060036000	9639-0223-01
23	1	Drive Shaft (17-4PH), 045	110021	9639-2233-01
	1	Drive Shaft (17-4PH), 060	108411	9639-2233-02
	1	Drive Shaft (17-4PH), 130	108413	9639-2233-03
24	1	Auxillary Shaft (17-4PH), 045	110022	9639-2243-01
	1	Auxillary Shaft (17-4PH), 060	108412	9639-2243-02
	1	Auxillary Shaft (17-4PH), 130	108414	9639-2243-03
25	2	Rotor Key, 045	110926	9639-2253-01
	2	Rotor Key, 060	101823	9639-2253-02
	2	Rotor Key, 130	101825	9639-2253-03
26	2	Bearing Retainer Front	121828	9639-0263-01
	2	Bearing Retainer Front (previous version)	101812	9639-0263-02
27	2	Grease Seal Front Brg Ret	101829	9639-2273-03
28	8	Button Head Cap Screw, Bearing Retainer, SS	30-60	9639-0283-01
29	6	Stop Pin, Seal	101720	9639-2293-01
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639-0303-01
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639-0313-01
32	1	Rotorcase, 045 - 2" Triclamp		9639-2323-01
	1	Rotorcase, 060 - 2.1/2" Triclamp		9639-2323-03
	1	Rotorcase, 060 - 3" Triclamp		9639-2323-04
	1	Rotorcase, 130 - 3" Triclamp		9639-2323-07
	1	Rotorcase, 134 - Rect / 3" Triclamp		9639-2323-09
	1	Rotorcase for Flush, 045 - 2" Triclamp		9639-2323-11
	1	Rotorcase for Flush, 060 - 2.1/2" Triclamp		9639-2323-13
	1	Rotorcase for Flush, 130 - 3" Triclamp		9639-2323-17
33	1	Rectangular Flange O Ring, 134 - NBR	N70369	9639-0333-11
34	1	Dowel Pin, Lower Cover Side	CD0040100	9639-0343-01
35	1	Dowel Pin, Upper Cover Side	CD0040000	9639-0353-01
36	2	Rotor Hub O Ring - NBR	N70224	9639-2363-01
	2	Rotor Hub O Ring - EPDM	E70224	9639-2363-02
	2	Rotor Hub O Ring - FPM	V70224	9639-2363-03
37	2	Rotorcase Retaining Screw, 045		9639-0373-01
	2	Rotorcase Retaining Screw, 060		9639-0373-02
	2	Rotorcase Retaining Screw, 130		9639-0373-03
38	2	Rotor Twin Blade, Non-Galling Alloy, 045	107252	9639-2383-01
	2	Rotor Twin Blade, Non-Galling Alloy, 060	102163	9639-2383-02
	2	Rotor Twin Blade, Non-Galling Alloy, 130	102175	9639-2383-03
39	2	Rotor Nut O Ring - NBR	N70227	9639-2393-01
	2	Rotor Nut O Ring - EPDM	E70227	9639-2393-02
	2	Rotor Nut O Ring - FPM	V70227	9639-2393-03

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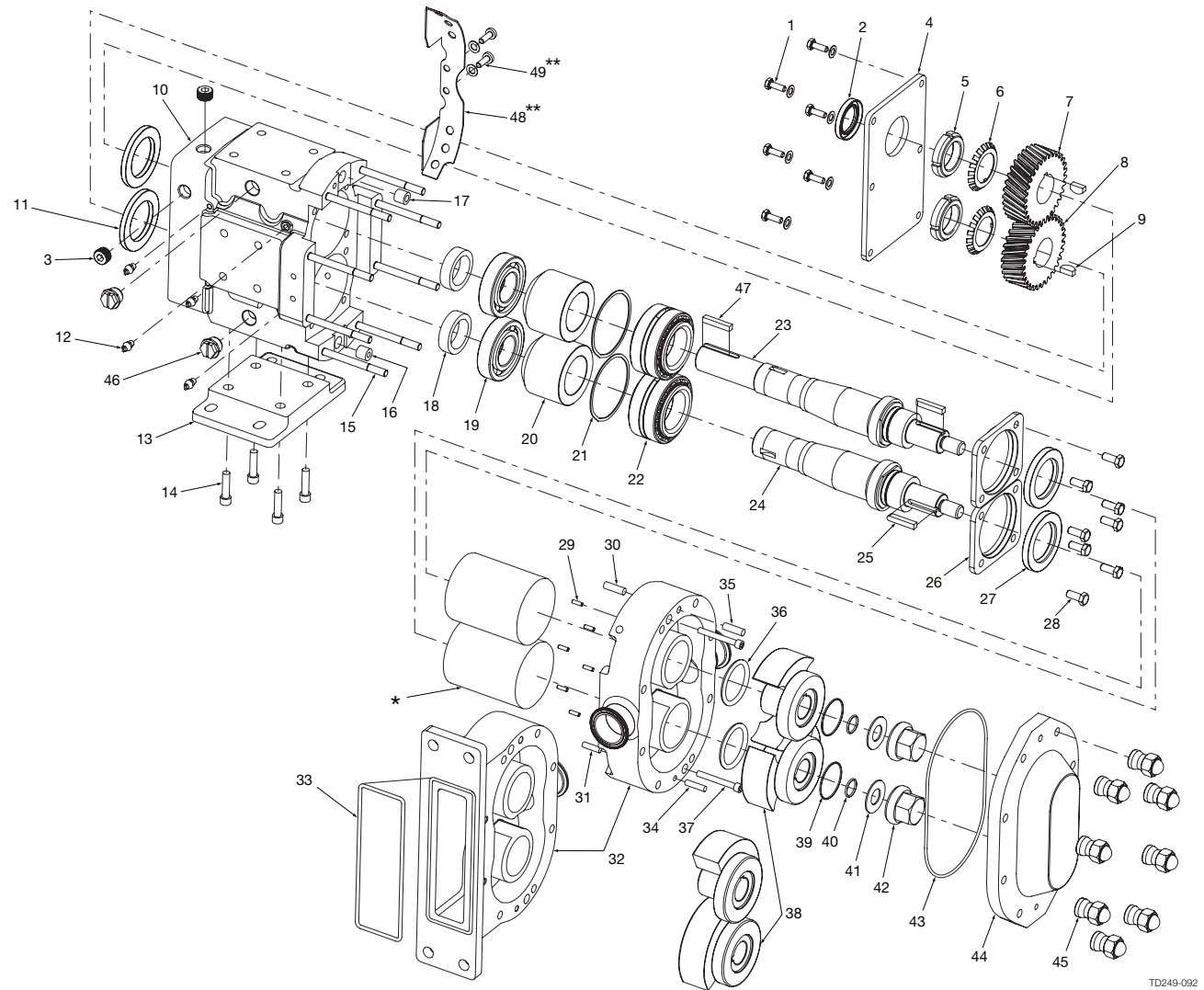


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
40	2	Retainer O Ring - NBR	N70119	9639-2403-01
	2	Retainer O Ring - EPDM	E70119	9639-2403-02
	2	Retainer O Ring - FPM	V70119	9639-2403-03
41	2	Washer, Belleville	101693	9639-2413-01
42	2	Rotor Nut	101806	9639-2423-01
43	1	Cover O Ring - NBR	N70373	9639-2433-01
	1	Cover O Ring - EPDM	E70373	9639-2433-02
	1	Cover O Ring - FPM	V70373	9639-2433-03
44	1	Pump Cover	101848	9639-2443-01
	1	Pump Cover - Jacketed	107668	9639-2443-02
45	8	Hex Nut	108371	9639-0453-02
	8	Wing Nut	105852	9639-0453-01
46	4	Large Cleanout Plug		9639-0463-01
47	1	Drive Shaft Key, 3/8 X 3/8 X 1 5/8	000037003	9639-0473-01
48	2	Seal Guards, SS		9639-0483-01
49	4	Fastner, Seal Guard		9639-0491-01
49a	4	Washer, Seal Guard		9639-0491-02
	4	O Ring Removal Tool	AD0096001	9639-0901-01
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639-0903-01
	4	Grease micro plate #2 (1 lb tube)	000140002	9639-0904-01
	4	Sealant RTV	000142301	9639-0905-01
	8	Grease Fitting Cap, Red Plastic		9639-0906-01
	12	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639-0907-03
	2	Eye Bolt	30-360	9639-0908-01

* See seal repair parts

** Required for European CE compliance only.
(not mandatory for USA market)

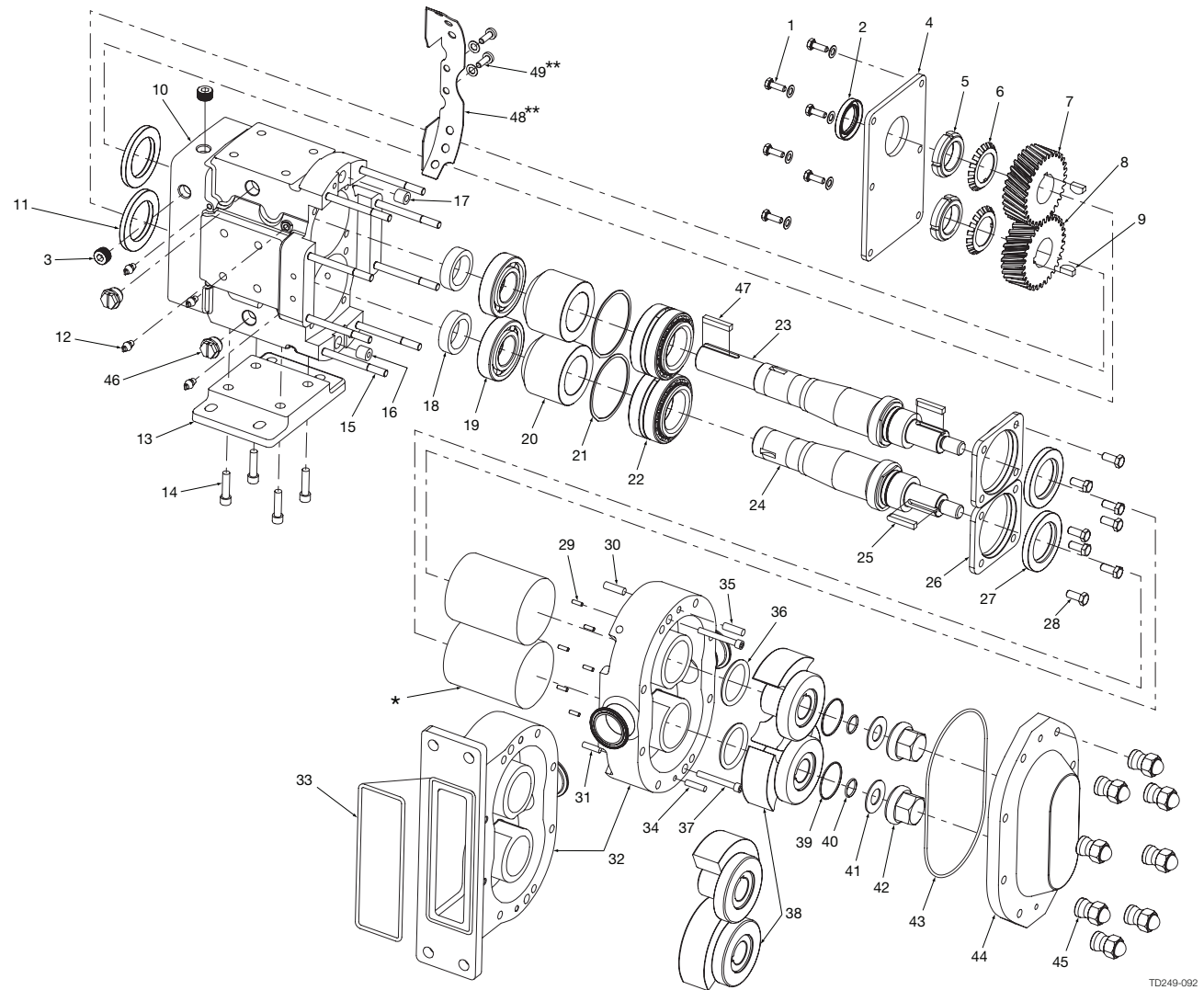


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	30-50	9639-0013-01
1a	6	Washer GC Cover Capscrew, SS	9639-0013-02	
2	1	Oil Seal - Gear Case Cover	STD030006	9639-0024-01
3	4	Oil Level, Drain Plug		9639-0033-01
4	1	Gear Case Cover, Steel (includes installed seal)	230106000	9639-0044-01
5	2	Lock Nut - Gear	STD236011	9639-0054-01
6	2	Lock Washer - Gear	STD136011	9639-0064-01
7	1	Gear Drive Shaft	110932	9639-0074-01
8	1	Gear Short Shaft	110932	9639-0084-01
9	2	Key, Gear	200037000	9639-0094-01
10	1	Gear Case, Cl	230005000	9639-0104-01
11	2	Oil Seal Rear	STD119002	9639-0114-01
12	8	Grease Fitting 1/8	BD0092000	9639-0121-01
13	1	Mounting Shim (Gear Case Base), Cl	230110000	9639-0134-01
14	4	Socket Head Capscrew, GC Base		9639-0144-01
15	8	Stud, 220	108844	9639-0154-01
	8	Stud, 180	107243	9639-0154-02
16	1	Dowel Bushing, Lower	CD0116100	9639-0163-01
17	1	Dowel (lower cover)	CD0116000	9639-0173-01
18	2	Spacer Gear to Rear Bearing	40878	9639-0184-01
19	2	Rear Bearing	200035000	9639-0194-01
20	2	Spacer Bearing	40752	9639-0204-01
21	2	Shim Kit		9639-0214-01
22	2	Front Bearing	200036000	9639-0224-01
23	1	Drive Shaft (17-4PH), 220	108415	9639-2234-01
	1	Drive Shaft (17-4PH), 180	110023	9639-2234-02
24	1	Auxillary Shaft (17-4PH), 220	108416	9639-2244-01
	1	Auxillary Shaft (17-4PH), 180	110024	9639-2244-02
25	2	Rotor Key, 220	101827	9639-2254-01
	2	Rotor key, 180	101828	9639-2254-02
26	2	Bearing Retainer Front	121829	9639-0264-01
	2	Bearing Retainer Front (previous version)	101813	9639-0264-02
27	2	Grease Seal Front Brg Ret	121681	9639-0274-01
28	8	Button Head Cap Screw, Bearing Retainer, SS	30-60	9639-0283-01
29	6	Stop Pin, Seal	101720	9639-2293-01
30	1	Dowel Pin, Upper Gear Case	CD0040R00	9639-0303-01
31	1	Dowel Pin, Lower Gear Case Side	CD0040R10	9639-0313-01
32	1	Rotorcase, 180 - 3" Triclamp		9639-2324-01
	1	Rotorcase, 180 - 4" Triclamp		9639-2324-02
	1	Rotorcase, 220 - 4" Triclamp		9639-2324-03
34	1	Dowel Pin, Lower Cover Side	GD0040100	9639-0344-01
35	1	Dowel Pin, Upper Cover Side	GD0040000	9639-0354-01
36	2	Rotor Hub O Ring - NBR	N70230	9639-2364-01
	2	Rotor Hub O Ring - EPDM	E70230	9639-2364-02
	2	Rotor Hub O Ring - FPM	V70230	9639-2364-03
37	2	Body Retaining Screw, 180		9639-0374-01
	2	Body Retaining Screw, 220	30-499	9639-0374-02
38	2	Rotor Twin Blade, Non-Galling Alloy, 220	102187	9639-2384-02
	2	Rotor Twin Blade, Non-Galling Alloy, 180	107273	9639-2384-01
39	2	Rotor Nut O Ring - NBR	N70235	9639-2394-01
	2	Rotor Nut O Ring - EPDM	E70235	9639-2394-02
	2	Rotor Nut O Ring - FPM	V70235	9639-2394-03

* See seal repair parts

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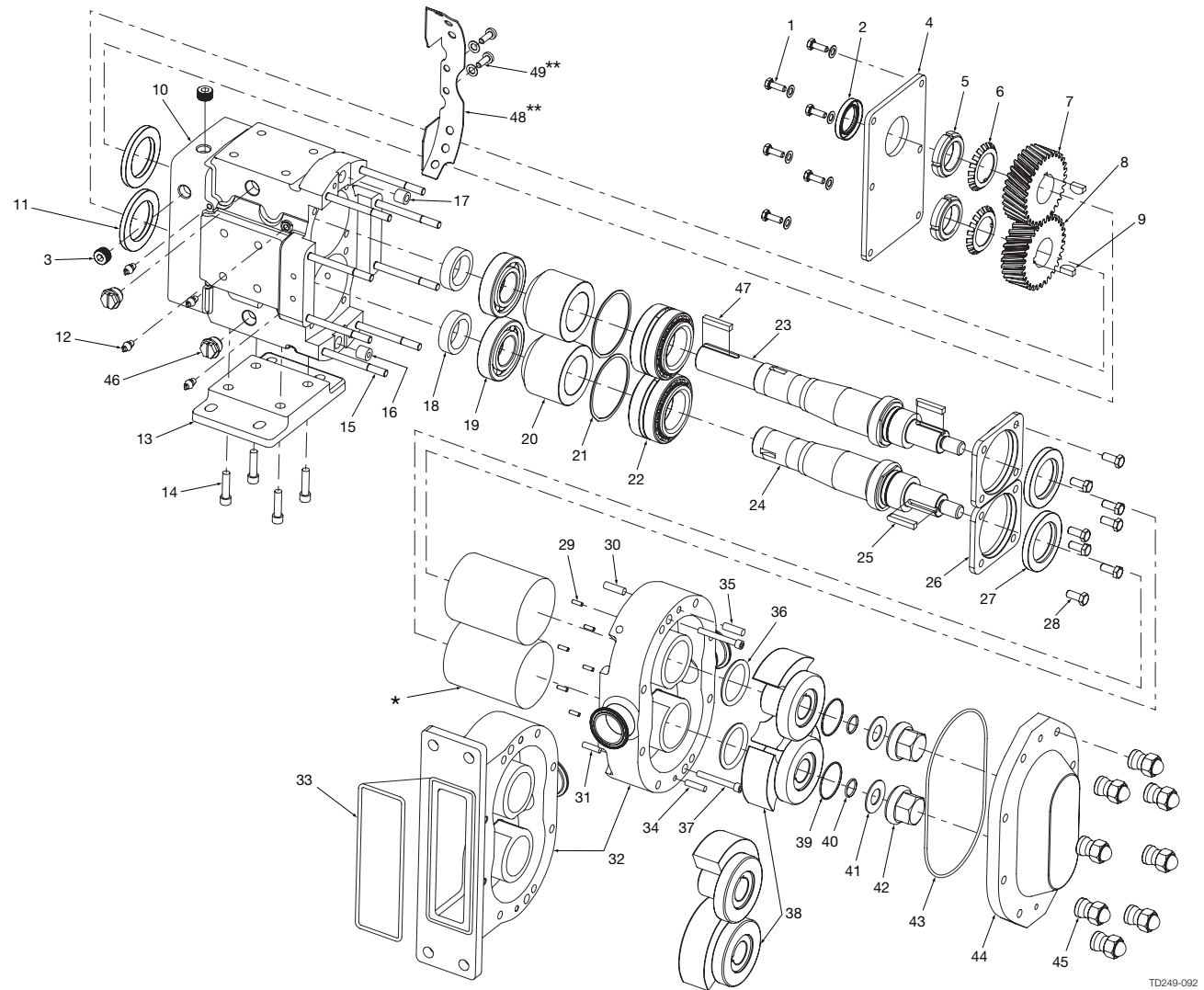


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
40	2	Retainer O Ring - NBR	N70122	9639-2404-01
	2	Retainer O Ring - EPDM	E70122	9639-2404-02
	2	Retainer O Ring - FPM	V70122	9639-2404-03
41	2	Washer, Belleville	101694	9639-2414-01
42	2	Rotor Nut	101807	9639-2424-01
43	1	Cover O Ring - NBR	N70381	9639-2434-01
	1	Cover O Ring - EPDM	E70381	9639-2434-02
	1	Cover O Ring - FPM	V70381	9639-2434-03
44	1	Pump Cover	101851	9639-2444-01
45	8	Hex Nut	108372	9639-0454-02
	8	Wing Nut	105853	9639-0454-01
46	4	Large Cleanout Plug		9639-0463-01
47	1	Drive Shaft Key, 1/2 X 1 1/2 X 1 7/8	000037004	9639-0474-01
48	2	Seal Guards, SS		9639-0484-01
49	4	Fastner, Seal Guard		9639-0491-01
49a	4	Washer, Seal Guard		9639-0491-02
	4	O Ring Removal Tool	AD0096001	9639-0901-01
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639-0903-01
	4	Grease micro plate #2 (1 lb tube)	000140002	9639-0904-01
	4	Sealant RTV	000142301	9639-0905-01
	8	Grease Fitting Cap, Red Plastic		9639-0906-01
	10	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639-0907-03
	2	Eye Bolt	30-360	9639-0908-01

* See seal repair parts

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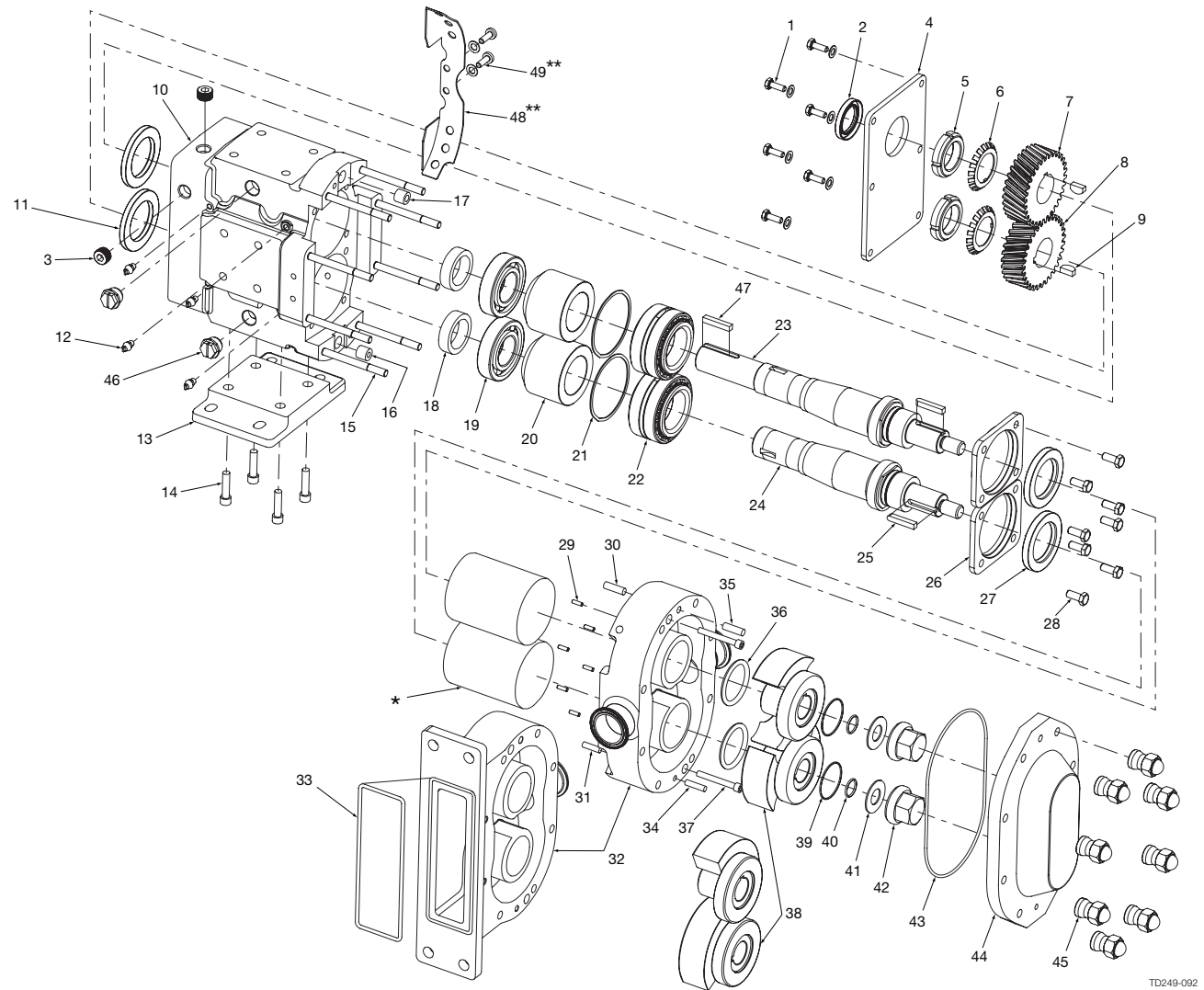


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
1	6	Capscrew, Gear Case Cover, SS	30-50	9639-0013-01
1a	6	Washer GC Cover Capscrew, SS		9639-0013-02
2	1	Oil Seal - Gear Case Cover		9639-0025-01
	1	Oil Seal - Gear Case Cover (alternative version)	STD030004	9639-0025-02
3	4	Oil Level, Drain Plug		9639-0033-01
4	1	Gear Case Cover, Steel (includes installed seal)	40669	9639-0045-01
5	2	Lock Nut - Gear	105697	9639-0055-01
6	2	Lock Washer - Gear		9639-0065-01
7	1	Gear Drive Shaft	102470	9639-0075-01
8	1	Gear Short Shaft	102470	9639-0085-01
9	2	Key, Gear	0H1037000	9639-0095-01
10	1	Gear Case, Cl	40616	9639-0105-01
11	2	Oil Seal Rear	102475	9639-0115-01
12	8	Grease Fitting 1/8	BD0092000	9639-0121-01
13	1	Mounting Shim (Gear Case Base), Cl	40288	9639-0135-01
14	4	Socket Head Capscrew, GC Base		9639-0144-01
15		Stud, Cover, Long	111292	9639-0155-01
15a	4	Stud, Cover, Short	111291	9639-0155-02
16&17	2	Dowel Bushing, Gearcase	0H1116000	9639-0165-01
18	2	Spacer Gear to Rear Bearing	102474	9639-0185-01
19	2	Rear Bearing	0H1036000	9639-0195-01
20	2	Spacer Bearing	102472	9639-0205-01
21	2	Shim Kit	117893	9639-0215-01
22	2	Front Bearing	0H1036003	9639-0225-01
23	1	Drive Shaft	112186	9639-2235-01
24	1	Auxillary Shaft	112187	9639-2245-01
25	2	Rotor key, 210	105422	9639-2255-01
26	2	Bearing Retainer Front	123533	9639-0265-01
27	2	Grease Seal Front Brg Ret	121681	9639-0274-01
28	8	Button Head Cap Screw, Bearing Retainer, SS	30-60	9639-0283-01
29	6	Stop Pin Seal	102438	9639-2295-01
30	2	Dowel Pin, Gear Case Side		9639-0315-01
31	2	Dowel Pin, Gear Case Side		9639-0315-01
32	1	Rotorcase, 210 - 4" Triclamp		9639-2325-01
34	2	Dowel Pin, Cover Side		9639-2355-01
35	2	Dowel Pin, Cover Side		9639-2355-01
36	2	Rotor Hub O Ring - NBR	N70232	9639-2365-01
	2	Rotor Hub O Ring - EPDM	E70232	9639-2365-02
	2	Rotor Hub O Ring - FPM	V70232	9639-2365-03
37	2	Rotorcase Retaining Screw, 210		9639-0373-03
38	2	Rotor Twin Blade, Non-Galling Alloy, 210	112199	9639-2385-01
39	2	Rotor Nut O Ring - NBR	N70237	9639-2395-01
	2	Rotor Nut O Ring - EPDM	E70237	9639-2395-02
	2	Rotor Nut O Ring - FPM	V70237	9639-2395-03

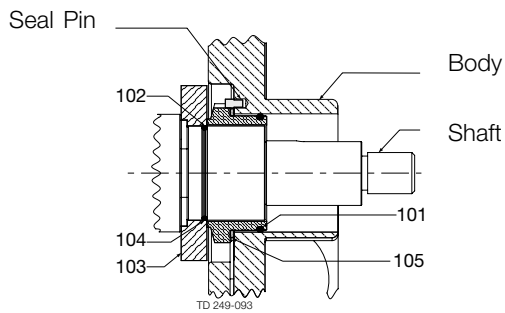
* See seal repair parts

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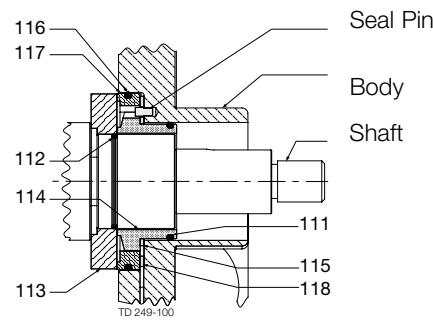


TD249-092

Pos	Qty	Denomination	Reference Part	
			No.	Item Number
40	2	Retainer O Ring - NBR	N70125	9639-2405-01
	2	Retainer O Ring - EPDM	E70125	9639-2405-02
	2	Retainer O Ring - FPM	V70125	9639-2405-03
41	2	Washer, Belleville	105411	9639-2415-01
42	2	Rotor Nut	105409	9639-2425-01
43	1	Cover O Ring - NBR	N70382	9639-2435-01
	1	Cover O Ring - EPDM	E70382	9639-2435-02
	1	Cover O Ring - FPM	V70382	9639-2435-03
44	1	Pump Cover	105406	9639-2445-01
45	8	Hex Nut	108373	9639-0455-02
46	8	Large Cleanout Plug		9639-0463-01
47	8	Drive Shaft Key, 5/8 X 5/8 X 2 3/4	000037005	9639-0475-01
48	2	Seal Guards, SS	113505	9639-0485-01
49	4	Fastner, Seal Guard		9639-0491-01
49a	4	Washer, Seal Guard		9639-0491-02
	4	O Ring Removal Tool	AD0096001	9639-0901-01
	4	Oil, Magna-Plate 460-FG, 1-gal	000140003	9639-0903-01
	4	Grease micro plate #2 (1 lb tube)	000140002	9639-0904-01
	4	Sealant RTV	000142301	9639-0905-01
	8	Grease Fitting Cap, Red Plastic		9639-0906-01
	10	Plastic Cap Tapped Holes, Mounting Pad	000121001	9639-0907-03
	3	Eye Bolt	30-360	9639-0908-01

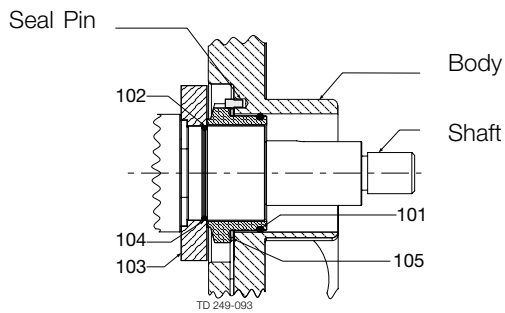


Single Mechanical Seal

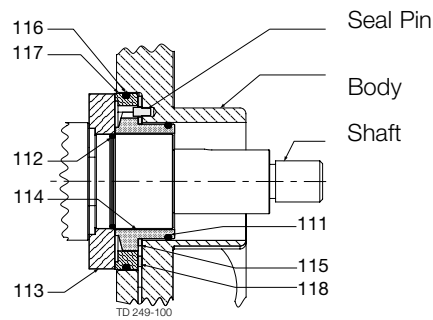


Double Mechanical Seal

Pos	Qty	Denomination	Reference Part No.	Item Number
Single Mechanical Seal:				
101	2	Inner Seal O-ring, NBR	N70028	9639-0622-01
	2	Inner Seal O-ring, EPDM	E70028	9639-0622-02
	2	Inner Seal O-ring, FPM	V70028	9639-0622-03
102	2	Seal Seat O-ring, NBR	N70024	9639-2621-01
	2	Seal Seat O-ring, EPDM	E70024	9639-2621-02
	2	Seal Seat O-ring, FPM	V70024	9639-2621-03
103	2	Seal Seat, Silicon Carbide	101668	9639-2671-03
	2	Seal Seat, Ceramic	101667	9639-2671-02
104	2	Seal Inner, Silicon Carbide	101653	9639-2681-03
	2	Seal Inner, Ceramic	101652	9639-2681-02
	2	Seal Inner, Carbon	101651	9639-2681-01
105	2	Inner Wave Spring	101683	9639-2691-01
Double Mechanical Seal:				
111	2	Inner Seal O-ring, NBR	N70028	9639-0622-01
	2	Inner Seal O-ring, EPDM	E70028	9639-0622-02
	2	Inner Seal O-ring, FPM	V70028	9639-0622-03
112	2	Seal Seat O-ring, NBR	N70024	9639-2621-01
	2	Seal Seat O-ring, EPDM	E70024	9639-2621-02
	2	Seal Seat O-ring, FPM	V70024	9639-2621-03
113	2	Seal Seat, Silicon Carbide	101668	9639-2671-03
	2	Seal Seat, Ceramic	101667	9639-2671-02
114	2	Seal Inner, Silicon Carbide	101653	9639-2681-03
	2	Seal Inner, Ceramic	101652	9639-2681-02
	2	Seal Inner, Carbon	101651	9639-2681-01
115	2	Inner Wave Spring	101683	9639-2691-01
116	2	Outer Seal O-ring, NBR	N70035	9639-2613-01
	2	Outer Seal O-ring, EPDM	E70035	9639-2613-02
	2	Outer Seal O-ring, FPM	V70035	9639-2613-03
117	2	Outer seal, Carbon	101679	9639-2701-01
118	2	Outer Wave Spring	101684	9639-2711-01

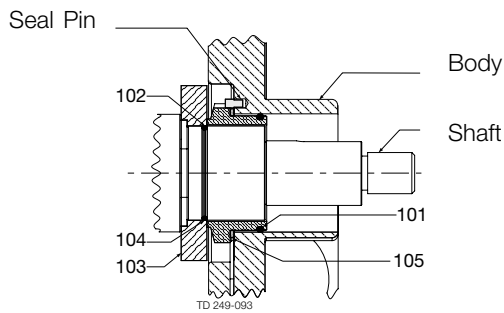


Single Mechanical Seal

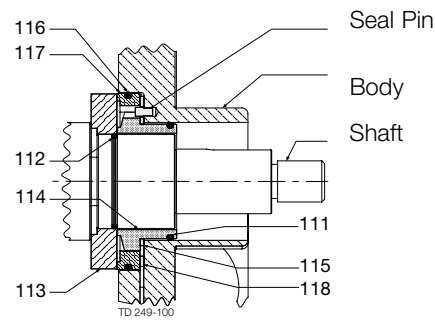


Double Mechanical Seal

Pos	Qty	Denomination	Reference Part No.	Item Number
Single Mechanical Seal:				
101	2	Inner Seal O-ring, NBR	N70031	9639-2612-01
	2	Inner Seal O-ring, EPDM	E70031	9639-2612-02
	2	Inner Seal O-ring, FPM	V70031	9639-2612-03
102	2	Seal Seat O-ring, NBR	N70029	9639-2622-01
	2	Seal Seat O-ring, EPDM	E70029	9639-2622-02
	2	Seal Seat O-ring, FPM	V70029	9639-2622-03
103	2	Seal Seat, Silicon Carbide	101671	9639-2672-03
	2	Seal Seat, Ceramic	101670	9639-2672-02
104	2	Inner Seal, Silicon Carbide	101657	9639-2682-03
	2	Inner Seal, Ceramic	101656	9639-2682-02
	2	Inner Seal, Carbon	101655	9639-2682-01
105	2	Inner Wave Spring	101685	9639-2692-01
Double Mechanical Seal:				
111	2	Inner Seal O-ring, NBR	N70031	9639-2612-01
	2	Inner Seal O-ring, EPDM	E70031	9639-2612-02
	2	Inner Seal O-ring, FPM	V70031	9639-2612-03
112	2	Seal Seat O-ring, NBR	N70029	9639-2622-01
	2	Seal Seat O-ring, EPDM	E70029	9639-2622-02
	2	Seal Seat O-ring, FPM	V70029	9639-2622-03
113	2	Seal Seat, Silicon Carbide	101671	9639-2672-03
	2	Seal Seat, Ceramic	101670	9639-2672-02
114	2	Seal Inner, Silicon Carbide	101657	9639-2682-03
	2	Seal Inner, Ceramic	101656	9639-2682-02
	2	Seal Inner, Carbon	101655	9639-2682-01
115	2	Inner Wave Spring	101685	9639-2692-01
116	2	Outer Seal O-ring, NBR	N70041	9639-2614-01
	2	Outer Seal O-ring, EPDM	E70041	9639-2614-02
	2	Outer Seal O-ring, FPM	V70041	9639-2614-03
117	2	Outer seal, Carbon	101686	9639-2702-01
118	2	Outer Wave Spring	101680	9639-2712-01

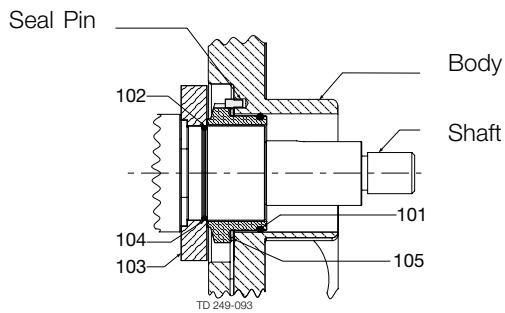


Single Mechanical Seal

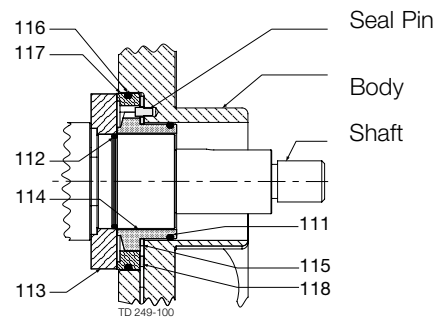


Double Mechanical Seal

Pos	Qty	Denomination	Reference Part No.	Item Number
Single Mechanical Seal:				
101	2	Inner Seal O-ring, NBR	N70035	9639-2613-01
	2	Inner Seal O-ring, EPDM	E70035	9639-2613-02
	2	Inner Seal O-ring, FPM	V70035	9639-2613-03
102	2	Seal Seat O-ring, NBR	N70133	9639-2623-01
	2	Seal Seat O-ring, EPDM	E70133	9639-2623-02
	2	Seal Seat O-ring, FPM	V70133	9639-2623-03
103	2	Seal Seat, Silicon Carbide	101674	9639-2673-03
	2	Seal Seat, Ceramic	101673	9639-2673-02
104	2	Inner Seal, Silicon Carbide	101661	9639-2683-03
	2	Inner Seal, Ceramic	101660	9639-2683-02
	2	Inner Seal, Carbon	101659	9639-2683-01
105	2	Inner Wave Spring	101687	9639-2693-01
Double Mechanical Seal:				
111	2	Inner Seal O-ring, NBR	N70035	9639-2613-01
	2	Inner Seal O-ring, EPDM	E70035	9639-2613-02
	2	Inner Seal O-ring, FPM	V70035	9639-2613-03
112	2	Seal Seat O-ring, NBR	N70133	9639-2623-01
	2	Seal Seat O-ring, EPDM	E70133	9639-2623-02
	2	Seal Seat O-ring, FPM	V70133	9639-2623-03
113	2	Seal Seat, Silicon Carbide	101674	9639-2673-03
	2	Seal Seat, Ceramic	101673	9639-2673-02
114	2	Seal Inner, Silicon Carbide	101661	9639-2683-03
	2	Seal Inner, Ceramic	101660	9639-2683-02
	2	Seal Inner, Carbon	101659	9639-2683-01
115	2	Inner Wave Spring	101687	9639-2693-01
116	2	Outer Seal O-ring, NBR	N70043	9639-2653-01
	2	Outer Seal O-ring, EPDM	E70043	9639-2653-02
	2	Outer Seal O-ring, FPM	V70043	9639-2653-03
117	2	Outer seal, Carbon	101681	9639-2703-01
118	2	Outer Wave Spring	101688	9639-2713-01

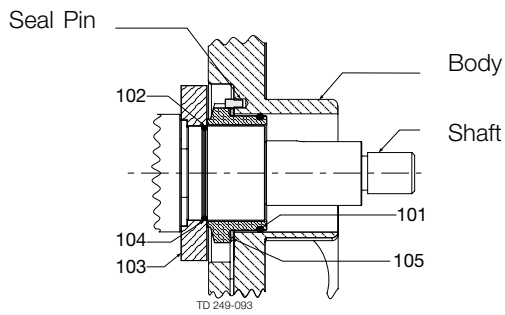


Single Mechanical Seal

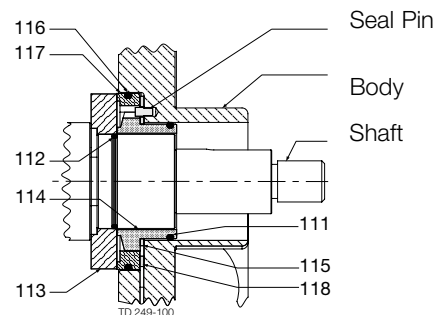


Double Mechanical Seal

Pos	Qty	Denomination	Reference Part No.	Item Number
Single Mechanical Seal:				
101	2	Inner Seal O-ring, NBR	N70041	9639-2614-01
	2	Inner Seal O-ring, EPDM	E70041	9639-2614-02
	2	Inner Seal O-ring, FPM	V70041	9639-2614-03
102	2	Seal Seat O-ring, NBR	N70145	9639-2624-01
	2	Seal Seat O-ring, EPDM	E70145	9639-2624-02
	2	Seal Seat O-ring, FPM	V70145	9639-2624-03
103	2	Seal Seat, Silicon Carbide	101677	9639-2674-03
	2	Seal Seat, Ceramic	101676	9639-2674-02
104	2	Inner Seal, Silicon Carbide	101665	9639-2684-03
	2	Inner Seal, Ceramic	101664	9639-2684-02
	2	Inner Seal, Carbon	101663	9639-2684-01
105	2	Inner Wave Spring	101689	9639-2694-01
Double Mechanical Seal:				
111	2	Inner Seal O-ring, NBR	N70041	9639-2614-01
	2	Inner Seal O-ring, EPDM	E70041	9639-2614-02
	2	Inner Seal O-ring, FPM	V70041	9639-2614-03
112	2	Seal Seat O-ring, NBR	N70145	9639-2624-01
	2	Seal Seat O-ring, EPDM	E70145	9639-2624-02
	2	Seal Seat O-ring, FPM	V70145	9639-2624-03
113	2	Seal Seat, Silicon Carbide	101677	9639-2674-03
	2	Seal Seat, Ceramic	101676	9639-2674-02
114	2	Seal Inner, Silicon Carbide	101665	9639-2684-03
	2	Seal Inner, Ceramic	101664	9639-2684-02
	2	Seal Inner, Carbon	101663	9639-2684-01
115	2	Inner Wave Spring	101689	9639-2694-01
116	2	Outer Seal O-ring, NBR	N70046	9639-2654-01
	2	Outer Seal O-ring, EPDM	E70046	9639-2654-02
	2	Outer Seal O-ring, FPM	V70046	9639-2654-03
117	2	Outer seal, Carbon	101682	9639-2704-01
118	2	Outer Wave Spring	101690	9639-2714-01



Single Mechanical Seal



Double Mechanical Seal

Pos	Qty	Denomination	Reference Part No.	Item Number
Single Mechanical Seal:				
101	2	Inner Seal O-ring, NBR	N70154	9639-2615-01
	2	Inner Seal O-ring, EPDM	E70154	9639-2615-02
	2	Inner Seal O-ring, FPM	V70154	9639-2615-03
102	2	Seal Seat O-ring, NBR	N70149	9639-2625-01
	2	Seal Seat O-ring, EPDM	E70149	9639-2625-02
	2	Seal Seat O-ring, FPM	V70149	9639-2625-03
103	2	Seal Seat, Silicon Carbide	105417	9639-2675-03
	2	Seal Seat, Ceramic	105416	9639-2675-02
104	2	Inner Seal, Silicon Carbide	105414	9639-2685-03
	2	Inner Seal, Ceramic	105413	9639-2685-02
	2	Inner Seal, Carbon	105412	9639-2685-01
105	2	Inner Wave Spring	105419	9639-2695-01
Double Mechanical Seal:				
111	2	Inner Seal O-ring, NBR	N70154	9639-2615-01
	2	Inner Seal O-ring, EPDM	E70154	9639-2615-02
	2	Inner Seal O-ring, FPM	V70154	9639-2615-03
112	2	Seal Seat O-ring, NBR	N70149	9639-2625-01
	2	Seal Seat O-ring, EPDM	E70149	9639-2625-02
	2	Seal Seat O-ring, FPM	V70149	9639-2625-03
113	2	Seal Seat, Silicon Carbide	105417	9639-2675-03
	2	Seal Seat, Ceramic	105416	9639-2675-02
114	2	Seal Inner, Silicon Carbide	105414	9639-2685-03
	2	Seal Inner, Ceramic	105413	9639-2685-02
	2	Seal Inner, Carbon	105412	9639-2685-01
115	2	Inner Wave Spring	105419	9639-2695-01
116	2	Outer Seal O-ring, NBR	N70160	9639-2655-01
	2	Outer Seal O-ring, EPDM	E70160	9639-2655-02
	2	Outer Seal O-ring, FPM	V70160	9639-2655-03
117	2	Outer seal, Carbon	105418	9639-2705-01
118	2	Outer Wave Spring	105420	9639-2715-01