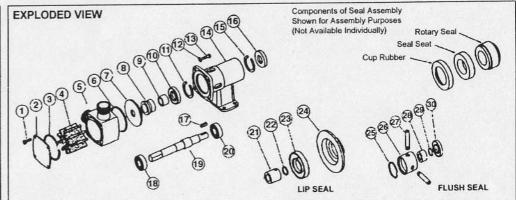
			MEDIUM PRESSURE IMPELLER Neoprene Elast: 28530-2111	HIGH PRESSURE IMPELLER	
Men	PARTS LIST Key Description Qty			Neoprene Elast: 28530-2125	Elast: 28530-2123
1	Screw	4	X3001-207F	X3001-207F	X3001-207F
2	Endcover	1	28505-0010	28505-0010	28505-0010
3	"O" Ring"	1	X4020-424A	X4020-424A	X4020-424A
4	Impeller*	1	8963-00118	8600-0005B	8600-0023B
5	Body	1	28504-2002	28504-2002	28504-2002
6	"O" Ring"	1	X4020-424A	X4020-424A	X4020-424A
7	Wearplate (2)	1	28536-0000	28536-0000	28536-0000
8	Seal Assy*(2)	1	28531-0103B	28531-0103B	28531-01038
9	Seal Spacer (1)	1	28517-0000	28517-0000	28517-0000
10	Lip Seal	1	SP2701-0912	SP2701-0912	SP2701-0912
		1	SP1701-437	SP1701-437	SP1701-437
11	Retaining Ring	4		X3080-101F	X3080-101F
12	Washer Screw	4	X3080-101F X3001-209F	X3001-209F	X3001-209F
		1		28503-0000	28503-0000
14	Bearing Housing	1	28503-0000 SD1701-437	SP1701-437	SP1701-437
15	Retaining Ring	1	SP1701-437 SP2701-0912	SP2701-0912	SP2701-0912
	Lip Seal	1		X4000-487A	X4000-487A
17	Key	1	X4000-487A	SP2601-23	SP2601-23
18	Bearing	-	SP2601-23	28507-0000	28507-0000
19	Shaft	1	28507-0000	SP2601-23	SP2601-23
20	Bearing	1	SP2601-23		SK379-0123
	ice Kit Contains*	1	SK379-0111	SK379-0125	38319-0123
	r Seal Options				28530-2223
Model No. With H/F Seal			28530-2211	28530-2225	28530-2423
Model No. With Lip Seal			28530-2411	28530-2425	28530-2423
Model No. With H/F Seal Flushed				28530-2725	28530-2723
1000	No. With Standard Seal Fi		28530-2911	28530-2925	28530-2923
-	For Appropriate	1	T Comments of the Comments of	20524 02020	28531-0203B
8	H/F Seal Assly	1	28531-0203B 28531-0403B	28531-0203B 28531-0403B	28531-0403B
Lip Seal Kit No. & Contains				28565-0011	28565-0011
21	Seal Spacer	1	28565-0011	X4020-229A	X4020-229A
22	"O" Ring	1	X4020-229A SP2701-0915	SP2701-0915	SP2701-0915
23	Lip Seal	1		28566-0000	28566-0000
24	Wearplate	11	28566-0000	28532-0000B	28532-0000B
Flush Seal Kit No. & Contains			28532-0000B	X4020-269A	X4020-269A
25	"O" Ring	1	X4020-269A	28512-0000	28512-0000
26	Seal Housing	1	28512-0000		21844
27	Tube	2	21844	21844	28517-0001
28	Seal Spacer	1	28517-0001	28517-0001	X4020-229A
29	"O" Ring	1	X4020-229A	X4020-229A	
30	Seal	1	SP2701-0915	SP2701-0915	SP2701-0915



SERVICE INSTRUCTIONS

Dis-Assembly

- 1. Remove screws (1), endcover and "O" ring Remove screws (13). Slide off body complete with impeller and wearplate
- 2. Remove seal seal, cup rubber from the wearplate and push out impeller and "O" ring from body.
- 3 Gently lever the seal spacer and seal (8) off the shaft
- 4. Prise out seal (16). Remove retaining ring (15) and carefully withdraw shaft and bearing assembly. Remove retaining ring (11) and push out seal (10)
- 5. To remove bearings from shaft an arbor press is required alternatively a bearing extractor may be used. Support inner race of bearing then apply a steady pressure on shaft until bearing is free. Repeat this procedure to remove other bearing.

PUMPS WITH LIP SEAL: Push out lip seal (23) from wearplate (24) Loosen set screw to remove seal spacer (21) Pnse out "0" ring (22)

PUMPS WITH FLUSH SEAL:- After pulling out rotary seal, unscrew tubes (27) and pull out seal housing (26). Remove seal spacer (28) and prise out "O" ring (29). Remove "O" ring (25) and lip seal (30) from seal housing.

- 1. To fit bearings onto shaft Support inner race of bearing and press the shaft until bearing locates against the shoulder. Repeat procedure for other bearing
- 2. Fit retaining ring (11) and lip seal (10) ensuring that spring on seal is facing outwards.
- 3 Fill the bearing with grease, and the space between bearings two thirds full. Smear grease on the shaft where lip seal locates. Push shaft and bearing assembly into bearing housing. Fit retaining ring (15) and seal (16) with spring facing outwards.
- 4. To fit seal Smear shaft with lubricating oil and slide seal spacer (9) up to the shoulder on shaft. Push rotary seal gently until it touches the spacer. Fit cup rubber and seal seat into wearplate (7). Slide wearplate assembly over the shaft.
- 5 Fit impeller into lubricated body with twisting motion in the same rotation as motor. Fit "O" ring (6) into body and slide over shaft.
- 6. Align wearplate and body into bearing housing and secure with screws (13) and washers (12). Do Not overlighten, a gap between bearing housing and body is normal. These screws and endcover screws should be lightened to a torque of 13.5 Nm.
- 7. Fit "O" ring (3) into body and place endcover over body and secure with screws (1). PUMPS WITH LIP SEAL:- Ensure "O" ring (22) is fitted under seal spacer (21). Smear seal spacer and shaft with lubricating oil. Slide spacer over shaft and secure with set screw to dimension shown Press lip seal (23) into wearplate (24) and follow on from step 5 above.

PUMPS WITH FLUSH SEAL:- Ensure 'O' ring (29) is fitted under seal spacer (28). Smear seal spacer and shaft with lubricating oil. Slide spacer over shaft up to shoulder. Press lip seal (30) into seal housing (26) and slide into position over shaft. Fit tubes (27) sealing with PTFE tape. Rotary seal and "O" ring (25) can now be fitted. Follow on from step (5) above.

Inspect all parts for wear or damage and replace if necessary.

