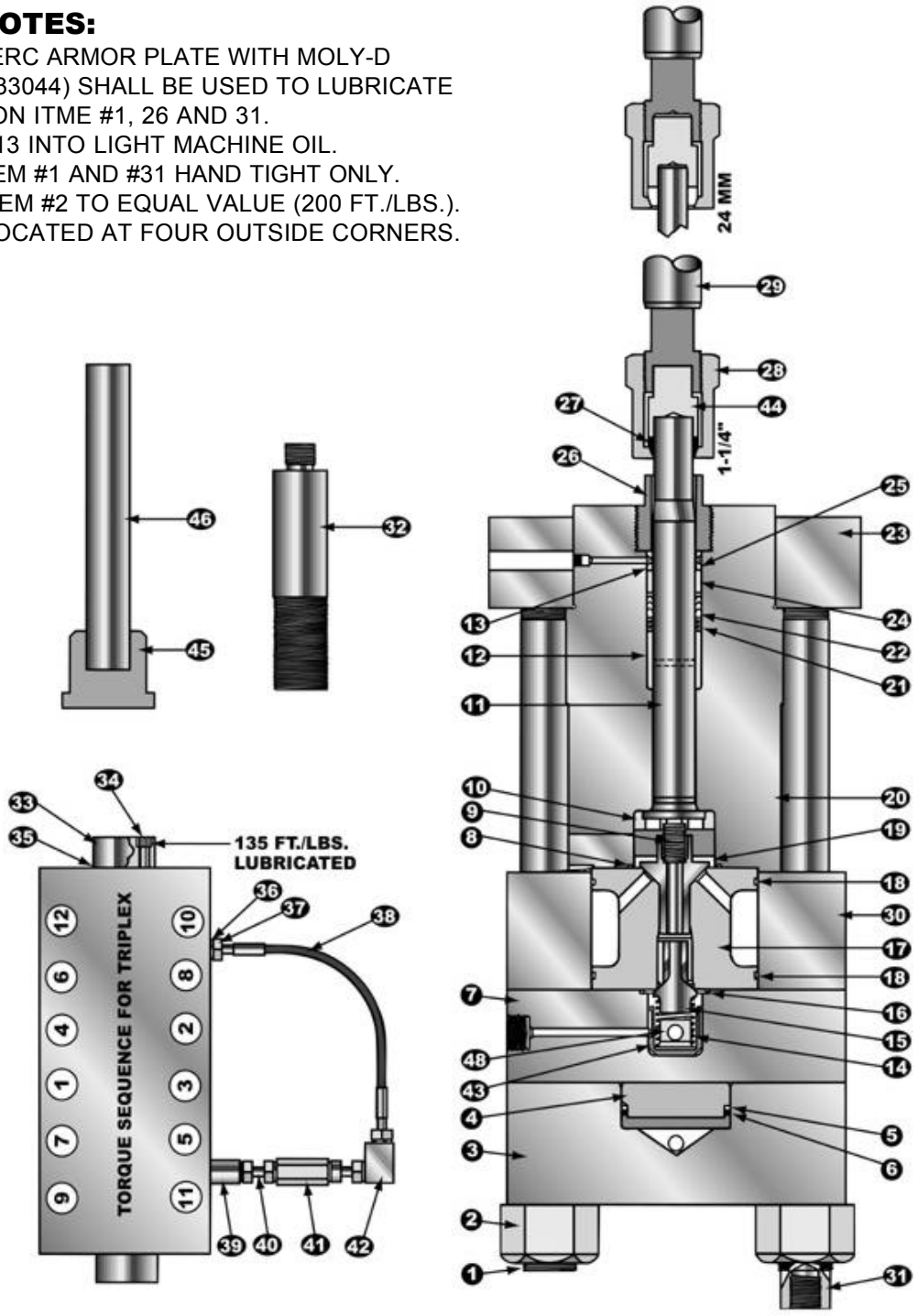
TX-450HB 70-78600-300 Fluid End Parts

25 KPSI MAWP, ALUMINUM SUCTION

SPECIAL NOTES:

1. 327-C SUPERC ARMOR PLATE WITH MOLY-D (PART #13-33044) SHALL BE USED TO LUBRICATE THREADS ON ITME #1, 26 AND 31.
2. DIP ITEM #13 INTO LIGHT MACHINE OIL.
3. INSTALL ITEM #1 AND #31 HAND TIGHT ONLY.
4. TORQUE ITEM #2 TO EQUAL VALUE (200 FT./LBS.).
5. ITEM #31 LOCATED AT FOUR OUTSIDE CORNERS.



70-78600-300 Fluid End Parts

TX-450HB

25 KPSI MAWP, ALUMINUM SUCTION

ITEM	PART NO.	QUAN.	DESCRIPTION:
1	70-78686	8	STUD, 1-3/4" - 12" x 23-5/8"
2	16-78537	12	NUT, HEX, HEAVY, GR8, 1-3/4" - 12"
3	70-78681-300	1	PLATE, TX-45OHB, MODEL 3 TORQUE
4	70-78652	3	PISTON, 450 TORQUE PLATE
5	22-80160-0013		SPACER, 3.5" x 3.125" x 1/8" POLYSEAL
6	22-80160	3	POLYSEAL, 3.5" x 3.125" x 3/16"
7	70-78683-300	1	MANIFOLD,TX-45OHB, MODEL 3 DISCHARGE
8	22-20802-001	3	O-RING, 3", DISOGRIN
9	25-20800	3	SPRING, SUCTION VALVE
10	70-20803-001	3	STOP, SUCTION VALVE SPRING
14	25-20007	3	SPRING, DISCHARGE VALVE
15	70-78688	3	VALVE, MODEL 2 DISCHARGE
16	22-80237	3	O-RING, 2-1/4", DISOGRIN
17	70-20804-001	3	SUCTION VALVE & VALVE SEAT
18	22-20801	6	O-RING, 5-3/8", 2-251-70
19	70-20810	3	RING, O-RING RETAINING
20	70-20807	3	CYLINDER, INLINE VALVE PUMP
23	70-78685	1	PLATE, TX-45OHB, MODEL 2 ADAPTING
26	70-20814	3	NUT, GLAND
28	70-20862	3	LONG NUT, ADAPTER, UNIVERSAL
29	70-20861	3	PLUNGER ADAPTER, UNIVERSAL
30	70-78684	1	MANIFOLD, TX-45OHB, MODEL 2 SUCTION
31	70-78687	4	STUD, 1-3/4" - 12 x 24-7/8"
32	12-78035	4	STUD, PACKING REMOVAL
33	70-79032	2	FLANGE, BLIND, 450HB, M-3
34	16-78546	6	SCREW, SHC, 5/8" - 18 x 2"
35	22-80241	3	O-RING, 7/8", 2-018-90
36	36-10012	2	COLLAR, 9/16" HP
37	36-10045	2	GLAND, 9/16" HP
38	61-51000	1	HOSE, 36K, 1/2" OD, 9/16" ENDS x 26"
39	70-79032-001	1	FLANGE, 9/16-40K, M-3 DISCHARGE
40	36-10054-004	2	NIPPLE, 9/16", 60 KPSI x 4"
41	36-12500	1	CHECK VALVE, 9/16" HP, W/O-RING
42	36-10302	1	ELBOW, 9/16", 40 KPSI, HP
43	70-78689-002	3	HOUSING, STOP, VALVE
45	12-78680	1	CAP, PACKING REMOVAL TOOL
46	12-78681	1	ROD, PACKING REMOVAL TOOL
47	98-7078680300	2	MANUAL
48	70-78689-001	3	STOP, VALVE

TX-450HB 70-78680-300 Fluid End Plunger Groups

25 KPSI MAWP, ALUMINUM SUCTION

TX-450HB FLUID END

24 mm

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20016-132	3	PLUNGER, 24MM, TC
12	70-20813-400	3	THROAT BUSHING, 24MM THROAT
13	22-20800-400	3	PACKING, 1-3/4" x 24MM
21	25-20801-400	3	SPRING, PACKING
22	70-20843-400	3	FRONT PACKING RING, 24MM
24	70-20826-400	3	BACK PACKING RING, 24MM
25	70-20827-400	3	LANTERN RING, 1"
27	70-20864-024	3	BUSHING, PLUNGER, 24MM
44	70-20865-024	3	EXTENSION, PLUNGER ADAPTER, 24MM

TX-450HB FLUID END

1-1/16" (27 mm)

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20016-212	3	PLUNGER, 1-1/16", TC
12	70-20813-100	3	THROAT BUSHING, 1-1/16"
13	22-20800-100	3	PACKING, 1-1/16"
21	25-20801	3	SPRING, PACKING
22	70-20843-100	3	FRONT PACKING RING, 1-1/16"
24	70-20826-100	3	BACK PACKING RING, 1-1/16"
25	70-20827-100	3	LANTERN RING, 1-1/16"
27	70-20864-024	3	BUSHING, PLUNGER, 24MM
44	70-20865-024	3	EXTENSION, PLUNGER ADAPTER, 24MM

TX-450HB FLUID END

1-1/8" (28.58 mm)

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20016-812	3	PLUNGER, 1-1/8", TC
12	70-20813-300	3	THROAT BUSHING, 1-1/8"
13	22-20800-300	3	PACKING, 1-1/8"
21	25-20801	3	SPRING, PACKING
22	70-20843-300	3	FRONT PACKING RING, 1-1/8"
24	70-20826-300	3	BACK PACKING RING, 1-1/8"
25	70-20827-300	3	LANTERN, RING, 1-1/8"
27	70-20864-024	3	BUSHING, PLUNGER, 24MM
44	70-20865-024	3	EXTENSION, PLUNGER ADAPTER, 24MM

70-78680-300 Fluid End Plunger Groups

TX-450HB

25 KPSI MAWP, ALUMINUM SUCTION

TX-450HB FLUID END 1-3/16" (30.16 mm)

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20020-202	3	PLUNGER, 1-3/16", T.C.
12	70-20813-200	3	THROAT BUSHING, 1-3/16"
13	22-20800-200	3	PACKING, 1-3/16"
21	25-20801	3	SPRING, PACKING
22	70-20843-200	3	FRONT PACKING RING, 1-3/16"
24	70-20826-200	3	BACK PACKING RING, 1-3/16"
25	70-20827-2003		LANTERN RING, 1-3/16"
27	70-20864-024	3	BUSHING, PLUNGER, 24MM
44	70-20865-024	3	EXTENSION, PLUNGER ADAPTER, 24MM

TX-450HB FLUID END 1-1/4" (31.75 mm)

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20016-712	3	PLUNGER, 1-1/4", TC
12	70-20813-020	3	THROAT BUSHING, 1-1/4"
13	22-20800-020	3	PACKING, 1-1/4"
21	25-20801	3	SPRING, PACKING
22	70-20843-020	3	FRONT PACKING RING, 1-1/4"
24	70-20826-020	3	BACK PACKING RING, 1-1/4"
25	70-20827-020	3	LANTERN RING, 1-1/4"
27	70-20864	3	PLUNGER BUSHING, 1-1/4"
44	70-20865	3	EXTENSION, PLUNGER ADAPTER, 24MM

TX-450HB FLUID END 1-3/8" (34.93 mm)

ITEM	PART NO.	QTY.	DESCRIPTION:
11	70-20016-702	3	PLUNGER, 1-3/8", T.C.
12	70-20813	3	THROAT BUSHING, 1-3/8"
13	22-20800	3	PACKING, 1-3/8"
21	25-20801	3	SPRING, PACKING
22	70-20843	3	FRONT PACKING RING, 1-3/8"
24	70-20826	3	BACK PACKING RING, 1-3/8"
25	70-20827	3	LANTERN RING, 1-3/8"
27	70-20864	3	PLUNGER BUSHING, 1-1/4"
44	70-20865	3	EXTENSION, PLUNGER ADAPTER, 24MM