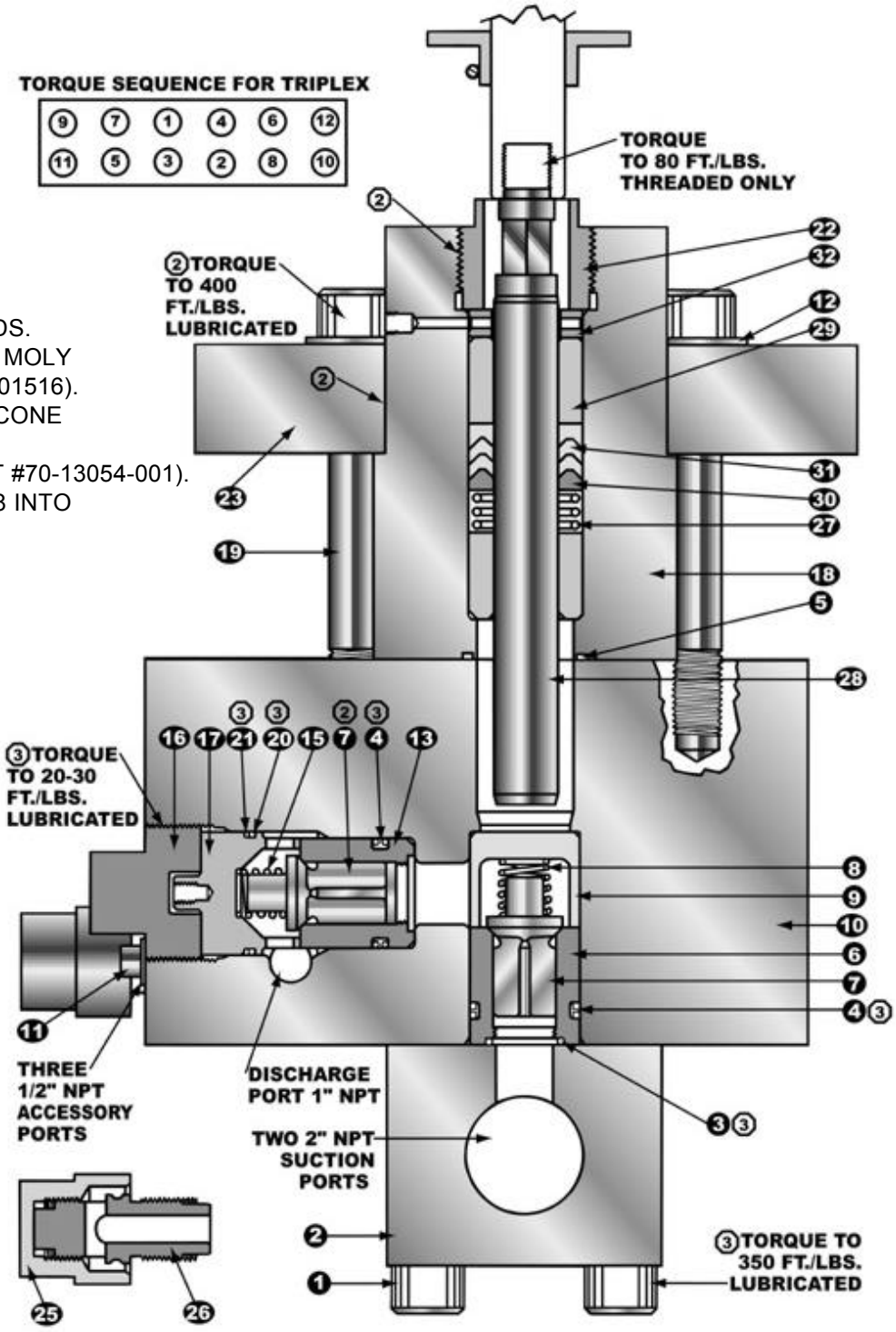
TF-450MB

70-78900 Fluid End Replacement Parts

12 KPSI MAWP, ALUMINUM SUCTION



SPECIAL NOTES:

1. WEIGHT IS 825 POUNDS.
2. LUBRICATE WITH 70% MOLY DISULFIDE (PART #13-01516).
3. LUBRICATE WITH SILICONE GREASE.
4. ALIGNMENT PIN (PART #70-13054-001).
3. DIP PACKING ITEM #28 INTO LIGHT MACHINE OIL.

70-78900 Fluid End Replacement Parts

TF-450MB

12 KPSI MAWP, ALUMINUM SUCTION

ITEM	PART NO.	QUAN.	DESCRIPTION:
1	16-07090	12	SCREW, SHC, 7/8" - 9 x 5", GR 8
2	70-20018	1	MANIFOLD, SUCTION
3	22-33062	3	O-RING, 1-3/8", 2-216-90
4	22-33121-001	6	T-SEAL
5	22-80237	3	O-RING, 2-1/4", 2-226-9250-90A
6	70-77208	3	SEAT, SUCTION VALVE
7	70-77008-045	6	VALVE
8	25-77004	3	SPRING, SUCTION VALVE
9	70-77209	3	GUIDE, SUCTION VALVE
10	70-20051	1	CYLINDER, FLUID
11	34-02025-001	3	PLUG, 1/2" NPT PIPE
12	16-77940	12	WASHER, 7/8" HARDENED
13	70-20054	3	SEAT, DISCHARGE VALVE
15	25-77004	3	SPRING, DISCHARGE VALVE
16	70-20055	3	COVER, TOP PLUG
17	70-20053	3	PLUG, TOP
18	70-78901	3	BOX, STUFFING
19	16-15381	12	SCREW, SHC, 7/8" - 9 x 7", GD 8
20	22-80100	3	O-RING, 2-1/4", 2-226-90
21	22-80131	3	BACK-UP RING, 2-1/4", 8-226
22	70-77211-100	3	GLAND, PACKING
23	70-20019	1	PLATE, ADAPTING
24	12-78001	1	TOOL, VALVE SEAT REMOVAL
25	31-03505-002	1	CAP, SAFETY HEAD
26	31-03505-001	1	BASE, SAFETY HEAD

*ITEM 24 NOT SHOWN

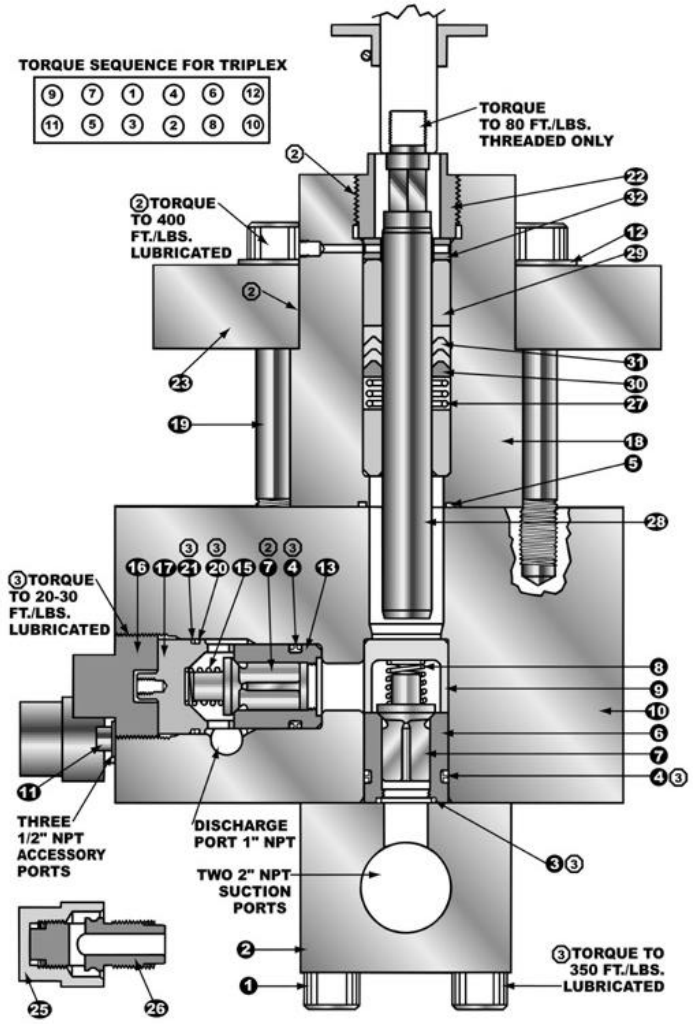
TF-450MB

70-78900 Fluid End Plunger Groups

12 KPSI MAWP, ALUMINUM SUCTION

SPECIAL NOTES:

1. WEIGHT IS 825 POUNDS.
2. LUBRICATE WITH 70% MOLY DISULFIDE (PART #13-01516).
3. LUBRICATE WITH SILICONE GREASE.
4. ALIGNMENT PIN (PART #70-13054-001).
3. DIP PACKING ITEM #28 INTO LIGHT MACHINE OIL.



TF-450MB FLUID END

1-3/16" (30.16 mm)

* ITEMS 33, 34 & 35 NOT SHOWN.

ITEM	PART NO.	QTY.	DESCRIPTION:
27	25-78005	3	SPRING, PACKING
28	70-20016-306	3	PLUNGER, 1-3/16"
29	70-77124-200	6	BUSHING, THROAT
30	70-80100-200	3	RING, FRONT PACKING
31	22-80107	3	PACKING, PLUNGER
32	70-80101-200	3	RING, LANTERN
33	16-01639	1	CLAMP, HOSE
34	22-20006	3	DEFLECTOR, STUB
35	70-20005	3	ADAPTER, PLUNGER

70-78900 Fluid End Plunger Groups

TF-450MB

12 KPSI MAWP, ALUMINUM SUCTION

TF-450MB FLUID END 1-5/16" (33.34 mm)

* ITEMS 33, 34 & 35 NOT SHOWN.

ITEM	PART NO.	QTY.	DESCRIPTION:
27	25-78005	3	SPRING, PACKING
28	70-20016-406	3	PLUNGER, 1-5/16"
29	70-77124-300	6	BUSHING, THROAT
30	70-80100-300	3	RING, FRONT PACKING
31	22-80108	3	PACKING, PLUNGER
32	70-80101-300	3	RING, LANTERN
33	16-01639	1	CLAMP, HOSE
34	22-20006	3	DEFLECTOR, STUB
35	70-20005	3	ADAPTER, PLUNGER

TF-450MB FLUID END 1-1/2" (38.1 mm)

* ITEMS 33, 34 & 35 NOT SHOWN.

ITEM	PART NO.	QTY.	DESCRIPTION:
27	25-78005	3	SPRING, PACKING
28	70-80201-206	3	PLUNGER, 1-1/2", COLLET, COLMONOY
29	70-77124-400	6	BUSHING, 1-1/2", THROAT
30	70-80100-400	3	RING, 1-1/2" FRONT PACKING
31	22-80109	3	PACKING, 1-1/2" PLUNGER
32	70-80101-400	3	RING, 1-1/2" LANTERN
33	16-01639	1	HOSE CLAMP, ADJUSTABLE, 2-1/2"
34	22-20006	3	DEFLECTOR STUB
35	70-20861	3	ADAPTER, PLUNGER, UNIVERSAL
36	70-20863	3	SHORT NUT, ADAPTER, PLUNGER, UNIVERSAL
37	70-20864	3	BUSHING, 1-1/4", PLUNGER ADAPTER, UNIVERSAL

TF-450MB FLUID END 1-5/8" (41.28 mm)

* ITEMS 33, 34 & 35 NOT SHOWN.

ITEM	PART NO.	QTY.	DESCRIPTION:
27	25-78005	3	SPRING, PACKING
28	70-80201-406	3	PLUNGER, 1-5/8", COLLET, COLMONOY
29	70-77124-500	6	BUSHING, 1-5/8", THROAT
30	70-80100-500	3	RING, 1-5/8" FRONT PACKING
31	22-80110	3	SET, PACKING 1-5/8"
32	70-80101-500	3	RING, 1-5/8", LANTERN
33	16-01639	1	HOSE CLAMP ADJUSTABLE, 2-1/2"
34	22-20006	3	DEFLECTOR STUB
35	70-20861	3	ADAPTER, PLUNGER, UNIVERSAL
36	70-20863	3	SHORT NUT, ADAPTER, PLUNGER, UNIVERSAL
37	70-20864	3	BUSHING, 1-1/4", ADAPTER, PLUNGER, UNIVERSAL