

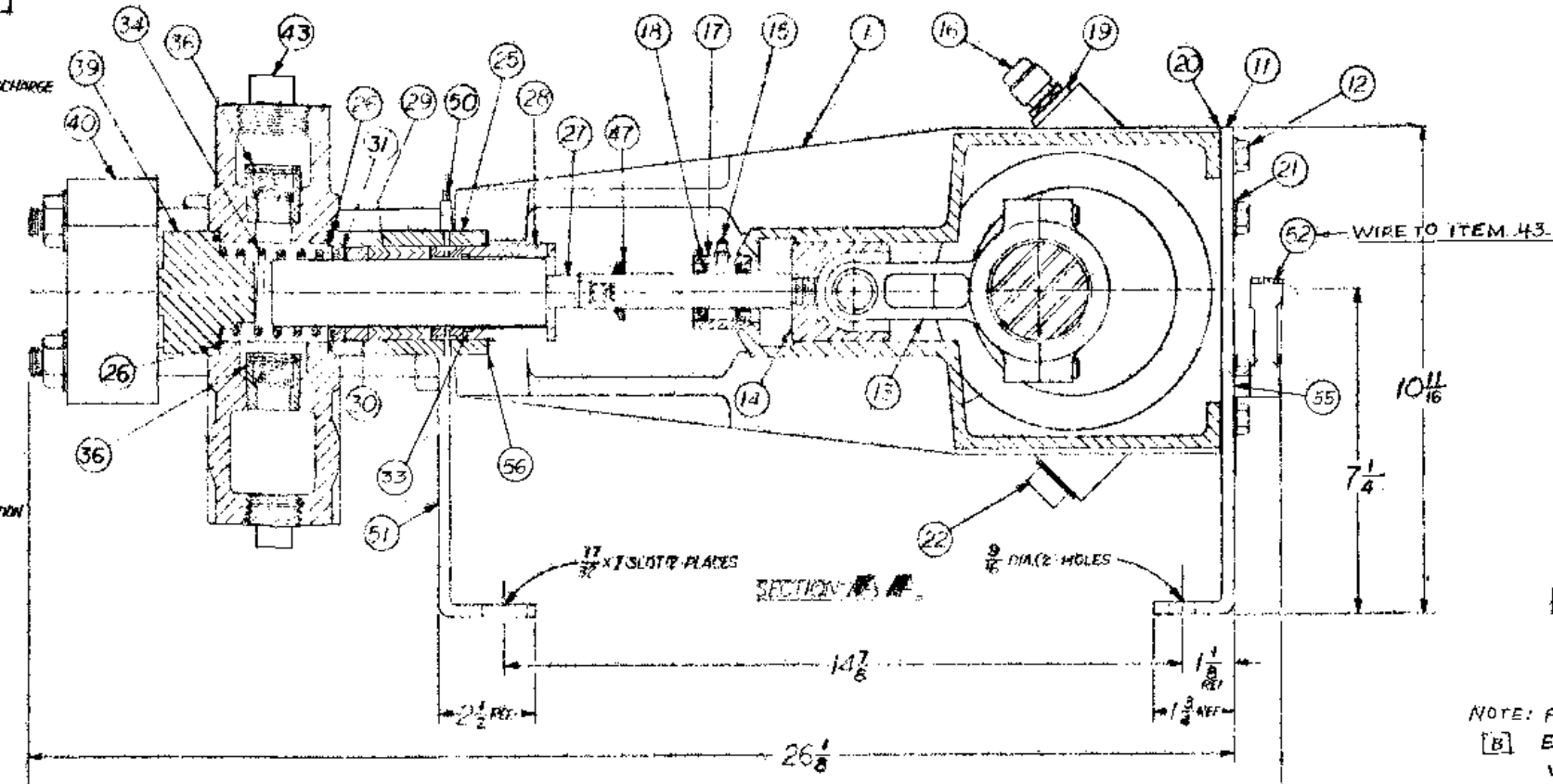
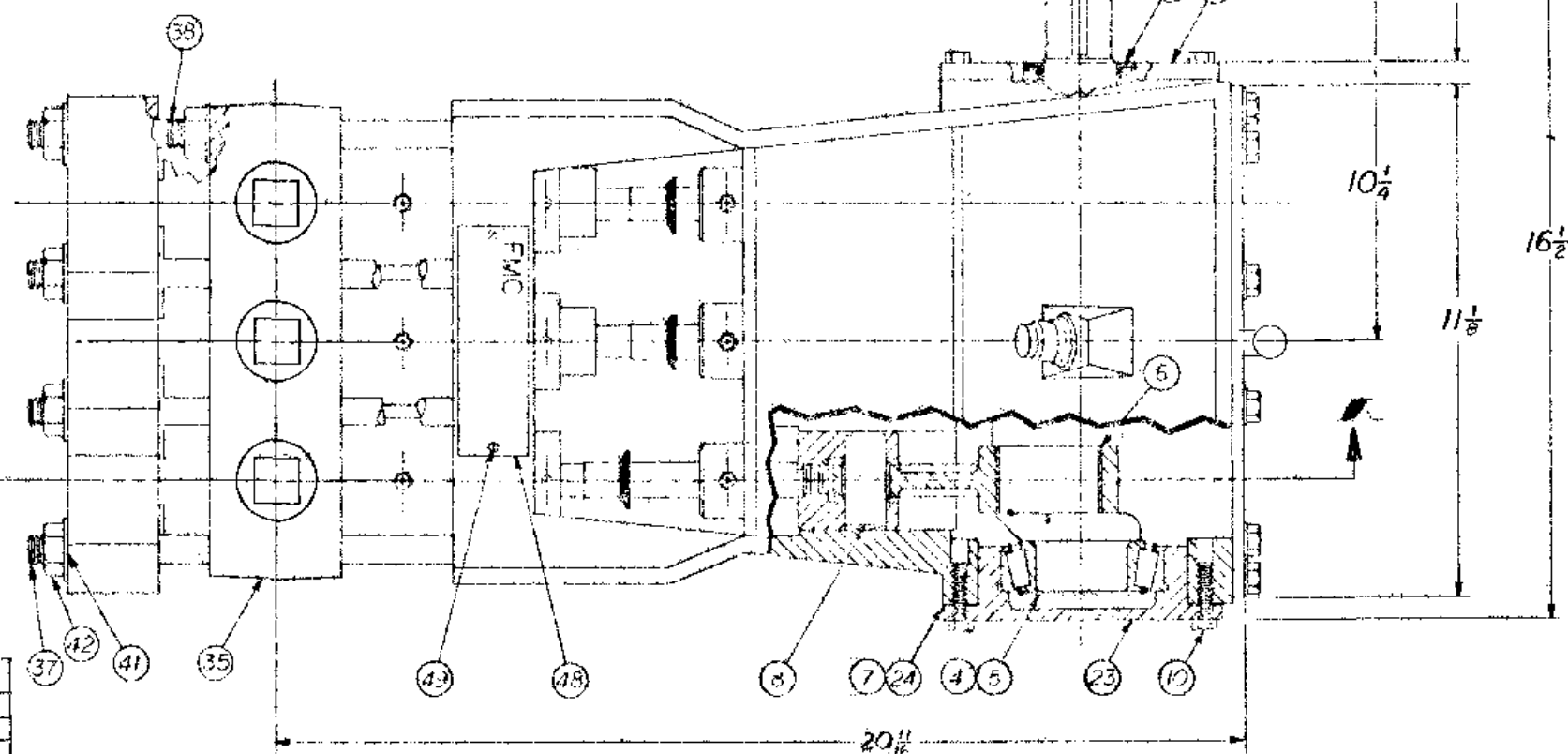
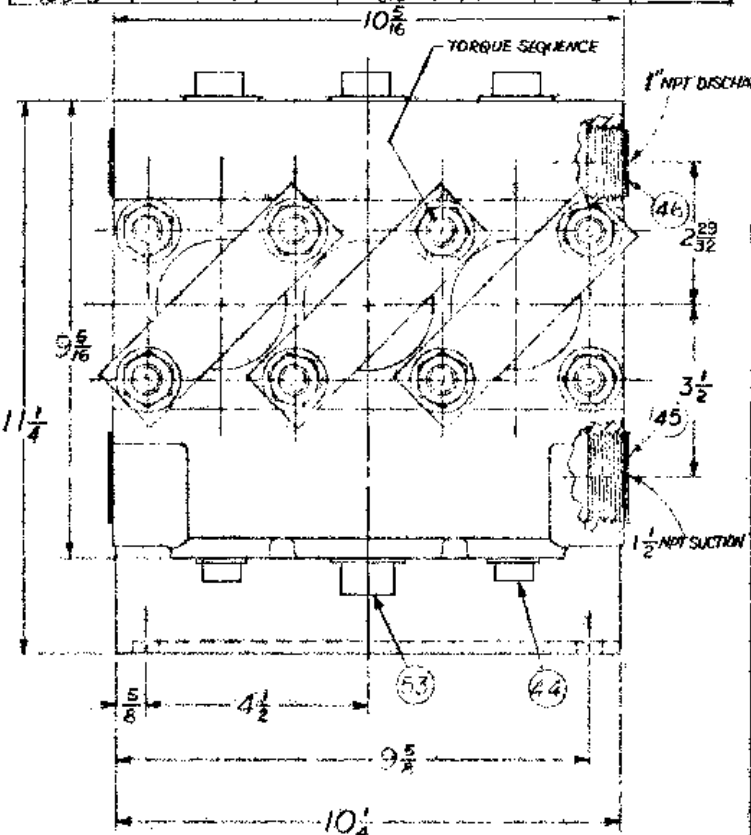
- APPLY PERMATEX NO. 2 TO HOLDER (ITEM 17) BEFORE PRESSING INTO CASE (ITEM 1).
 APPLY LUBRICATE TO CONNECTING ROD BEARING, Wrist Pins & CROSSHEAD (ITEM NOS. 6, 8, & 14).
 APPLY LOCTITE PIPE SEALANT WITH TEFLON (CAT. NO. 92-31) TO PIPE PLUG (ITEM NOS. 43, 45, 46).
 OIL PACKING (ITEM 30) BEFORE INSERTING INTO STUFFING BOX (ITEM 25).
 5. CRANKSHAFT/TIMKEN BEARING-ASSEMBLY TO PROVIDE ENDPLAY OF .002 TIGHT TO .005 LOOSE, USE SHIM (ITEM 24) AS REQ'D.
 6. BOLT AND NUT TORQUE-

CONNECTING RODS — 40-45 FT. LBS.
 MOUNTING BASE — 20-25 FT. LBS.
 BEARING COVERS — 30-35 FT. LBS.
 VALVE CHAMBER — 115-120 FT. LBS. TORQUE TO $\frac{1}{2}$, $\frac{2}{3}$ FULL TORQUE AND RETORQUE AFTER 5 MIN. OF TESTING IN THE TORQUE SEQUENCE SHOWN.

7. FILL WITH 2½ QTS. OF SAE 30 WT. NON DETERGENT OIL.
 8. TEST PUMP FOR 30 MINUTES.
 9. PUMP RUST PREVENTIVE SOLUTION THROUGH VALVE CHAMBER.
 10. DRAIN OIL.
 11. TURN VALVE CHAMBER UPSIDE DOWN (DISCHARGE AT BOTTOM) AND PURGE WITH COMPRESSED AIR.
 12. STAMP NAMEPLATE WITH THIS INFORMATION —

Bern Pump
 Model No. F PART NO. G SERIAL NO.
 INTERMITTENT H.P. A B PSI MAX. O.P. E GPM @ 600 RPM
 CONTINUOUS H.P. C D PSI U.S. PATENTS
FMC

MODEL	A	B	C	D	E	G
MO606	15.2	5000	15.2	5000	4.4	
MO608	19.4	3400	16.0	2800	8.3	5261937
MO610	20.6	2200	16.9	1800	13.6	
MO612	20.3	1500	16.2	1200	19.6	5259871
MO615		1000	22.3	1000	32.3	



ITEM	QTY	DESCRIPTION	MO606	MO608	MO615	MO612
1	1	PUMP CASE		5261937		5259871
2	1	CRANKSHAFT		5261941		5259810
3	1	BEARING HOUSING		320506		320487
4	2	CONE-TIMKEN JM 205149		5259341		5259632
5	2	CUP-TIMKEN JM 205112		5261940		5259814
6	6	BEARING-CONNECTING ROD		5261938		5259866
7	2	GASKET-BEARING CAP		5259395		5272470
8	3	PIN, WRIST		5261933		5259863
9	1	SEAL GARLOCK 94 X 0760		5261934		5261934
10	12	3/8-16 X 1 1/4 HHCS		5262100		5262100
11	1	FOOT, REAR		5259640		5259642
12	12	HHCS 3/8-16 X 3/4		5261701		5261393
13	3	CONNECTING ROD		5261933		5261390
14	3	ASSEMBLY, CROSSHEAD				
15	3	GREASE FITTING				
16	1	BREATHER				
17	3	HOLDER-OIL SEAL				
18	6	OIL SEAL				
19	1	3/4 X 1/8 BRUSH				
20	1	GASKET-BASE				
21	12	WASHER 3/8 WAVE				
22	1	3/4 PLUG-MAGNETIC				
23	1	HOUSING-BEARING				
24	6	SHIM (USE AS REQUIRED)				
25		SEE CHART				
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37	6	STUDS-LONG		5264059		
38	2	STUDS-SHORT		5244060		
39		SEE CHART				
40	3	CLAMP-COVER		5260055		
41	8	WASHER 5/8-11-8 SS		526382		
42	10	NUT 5/8-11-8 SS		320338		
43	3	PLUG 1 1/4 BRASS SQ. HEAD		320226		
44	2	PLUG 1 BRASS SQ. HEAD		320225		
45	2	PLUG 1 1/2 PLASTIC		1177203		
46	1	PLUG 1 PLASTIC		1177201		
47	3	WASHER BARRIER		5257373		
48	1	NAMEPLATE		5262738		
49	2	#4 X 3/16 SCREWS		1187413		
50	3	GREASE FITTING		1100759		
51	1	FOOT-FRONT		5254219		
52	1	LIQUID LEVEL GAGE		5267123		
53	1	PLUG 1 1/2 BRASS SQ. HEAD		320227		
54	6	1/4-20 X 1/2 SET SCREW		103444		
55	1	CAP PLUG		1177197		

ITEM	QTY	DESCRIPTION	MO606	MO608	MO615	MO612
25	3	STUFFING BOX		5261941		5259810
26	6	O-RING		320506		320487
27	3	PLUNGER		5259341		5259632
28	3	BACKUP-STUFF BOX		5261940		5259814
29	3	LANTERN GLAND		5261938		5259866
30	3	PACKING, PLUNGER		5259395		5272470
31	3	THROAT RING		5261933		5259863
36	6	VALVE ASSEMBLY		5261934		5261934
33	3	WIPER RINGS		5262100		5262100
34	3	SPRING-PACKING		5259640		5259642
35	1	VALVE CHAMBER		5261701		5261393
39	3	COVER, VALVE CHAMBER		5261933		5261390
1	1	PUMP CASE				

NOTE: PAINT PUMP 1408050-11
 [B] EXCEPT DO NOT PAINT ALUM BRONZE
 VALVE CHAMBER OR STUFFING BOX.

27				16				REVISED BOM				ADDED WIPER RINGS (5-481)				7-23-79				FMC			
R				9-8-73				K				ADDED 1187151 & REMOVED 1177127				12-8-79				12-8-79			
S				9-5-90				J				WAS 5260065 AND 5256759				12-8-79				12-8-79			
O				MODULATED 5263650 PUMP				H				WAS 5253142				12-8-79				12-8-79			
O				MODULATED 30 BOM				F				WAS 1276364				12-8-79				12-8-79			
N				ADDED ITEM 55				F				WAS 6				12-8-79				12-8-79			
W				WAS 1187151, 5254214				E				ADDED ITEM 55				12-8-79				12-8-79			
D				WAS 5263652				D				ADDED SKID AND BOX				12-8-79				12-8-79			
T				DEL 5268380 MO615				S				REV ITEM 33 FROM 5259868				12-8-79				12-8-79			
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