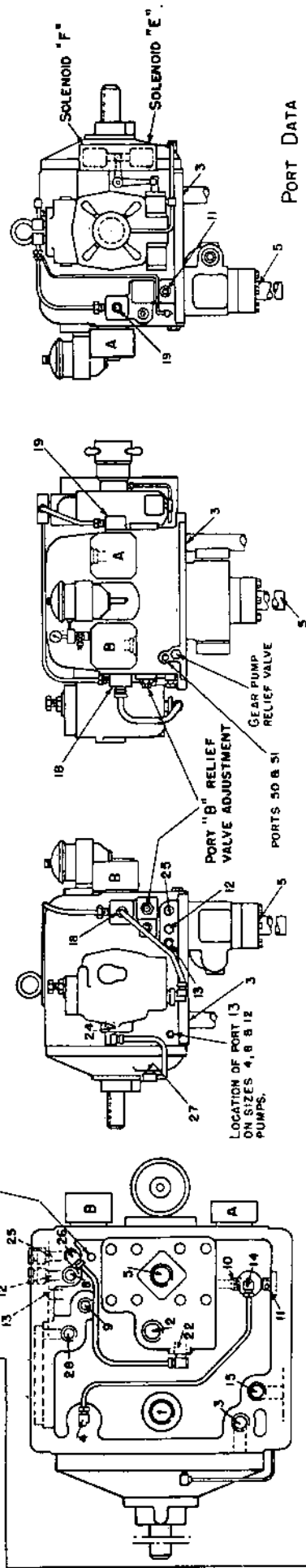


B-58120-B
 (24) 09 JMRD.DXD, 3A11 .D1S
 STD. TYPE, 3A11 .D1S
 (60) H.P.
 CIRCUIT
 (APP. 2) (W.)

GEAR PUMP RELIEF VALVE, DRAIN

ENERGIZE SOLENOID "F" FOR PRESSURE AT PORT "A"
 ENERGIZE SOLENOID "E" FOR PRESSURE AT PORT "B"



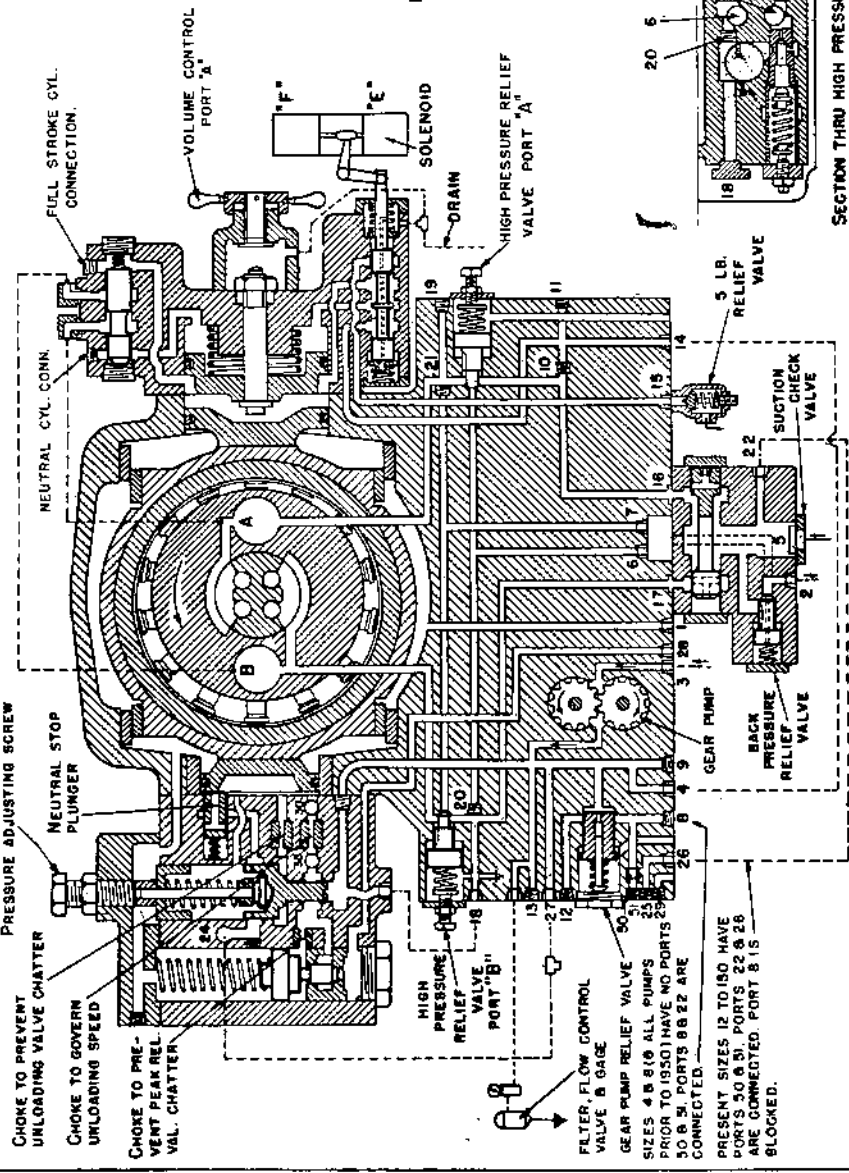
PORT DATA

PORT NO.	PUMP DESCRIPTION	PIPE TAP SIZE	8	12	20	33	60	100	150
A	RETURN CONNECTION		1 1/4	1 1/2	2	2 1/2	2 1/2	2 1/2	2 1/2
B	HIGH PRESSURE CONNECT.		1 1/4	1 1/2	2	2 1/2	2 1/2	2 1/2	2 1/2
1	CASE DRAIN		1	1 1/4	2	2	2	2	2
2	EXCESS RETURN EXHAUST		1/2	1 1/4	2	2	2	2	2
3	GEAR PUMP SUCTION		1	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
4	GEAR PUMP PRESSURE		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
5	PUMP SUCTION		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
6	'A' REL. VALVE EXHAUST		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
7	'B' REL. VALVE EXHAUST		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
8	G.P. REL. VALVE EXHAUST		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
9	GEAR PUMP PRESSURE		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
10	'A' CORE TO CONTROL CONN.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
11	'A' SIDE CONTROL CONN.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
12	G.P. REL. VALVE EXHAUST		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
13	GEAR PUMP PRESSURE		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
14	'A' SIDE CONTROL CONN.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
15	'A' SIDE CONTROL EXH.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
16	'A' CORE SIZE		1/8	1/4	1/2	3/4	3/4	3/4	3/4
17	'B' CORE SIZE		1/8	1/4	1/2	3/4	3/4	3/4	3/4
18	'B' CORE CONNECTION		3/8	1/2	3/4	3/4	3/4	3/4	3/4
19	'A' CORE CONNECTION		3/8	1/2	3/4	3/4	3/4	3/4	3/4
20	'A' REL. VALVE CROSS CONN.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
21	'B' REL. VALVE CROSS CONN.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
22	STANDARD SUPERCHARGE		3/8	1/2	3/4	3/4	3/4	3/4	3/4
24	GEAR PUMP CONNECT.		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
25	AUXILIARY CONNECT.		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
26	AUXILIARY CONNECT.		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
27	GEAR PUMP PRESSURE		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
28	'B' SIDE CONTROL EXH.		1/2	1 1/4	2	2 1/2	2 1/2	2 1/2	2 1/2
29	OIL FILTER DRAIN		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
30	GAGE CONNECTION		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
35	PRESSURE CONNECTION		3/8	1/2	3/4	3/4	3/4	3/4	3/4
50	G.P. V. EXHAUST		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4
51	ACCESS PORT TO PORT 50		1/4	1/2	1	1 1/4	1 1/4	1 1/4	1 1/4

* BLANK FLANGE UNLESS OTHERWISE SPECIFIED

INSTALLATION DRAWING: DS-47805
 COOLER INSTALLATION DRAWING DS-47905
 COOLER OIL CIRCUIT DS-947905
 COOLERS ARE NOT FURNISHED WITH PUMPS.

NOTE:
 PUMP SHOWN AT FULL STROKE.
 OIL CIRCUIT SHOWS THE PUMP LOOKING FROM FLANGE END.
 EXTERNAL PIPE LINES: --- CORED OR DRILLED PASSAGES: ---
 OPEN PORTS: □
 PLUGGED PORTS: ■



PRESENT SIZES 12 TO 150 HAVE PORTS 50 & 51. PORTS 22 & 26 ARE CONNECTED. PORT 8 IS BLOCKED.

SECTION THRU HIGH PRESSURE RELIEF VALVES