

# OILGEAR SPECIAL TYPE "DR" PUMPS

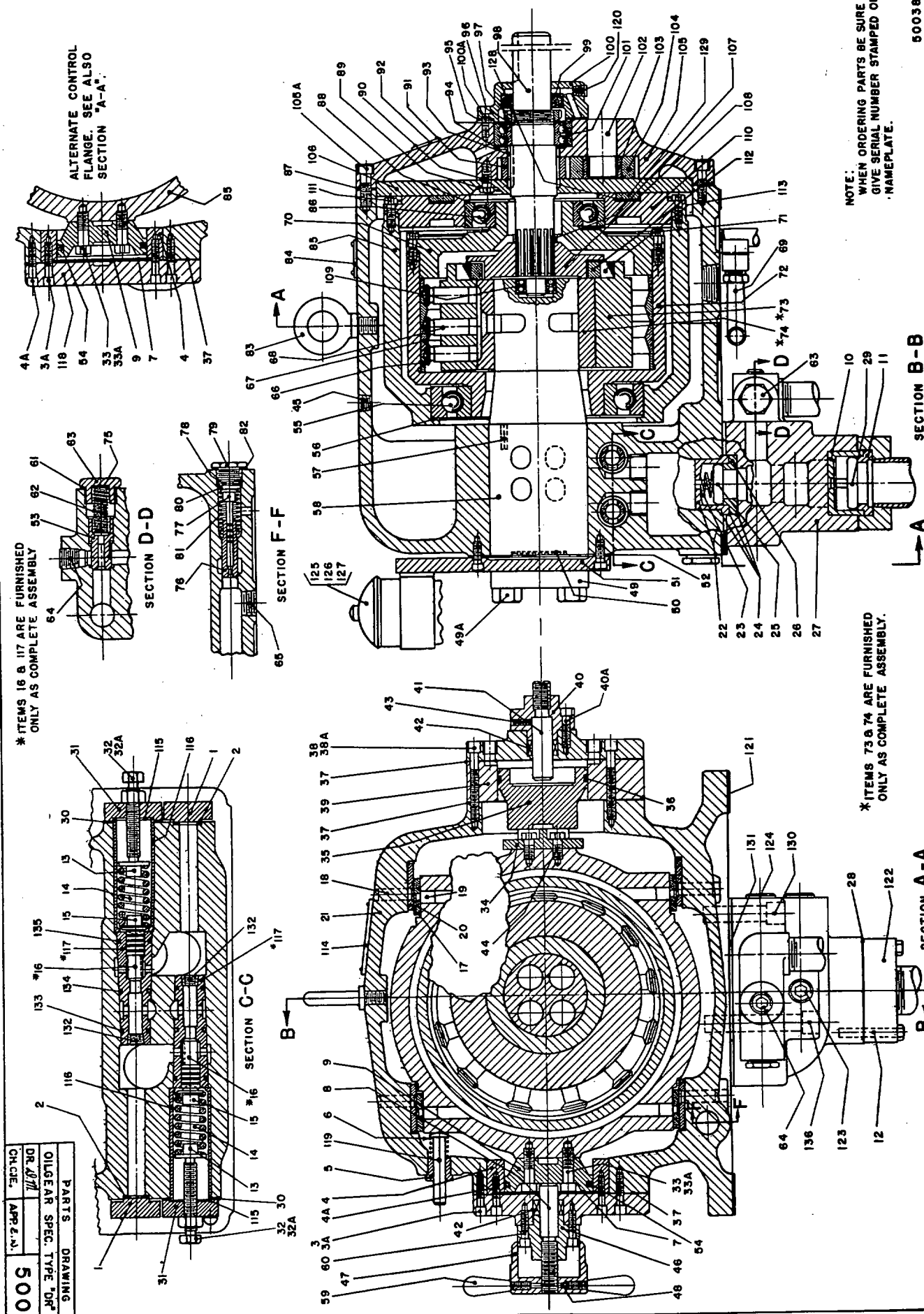
**683000**

PARTS DRAWING  
OILGEAR SPEC. TYPE "DR" PUMPS  
DR. 4/7/57  
CH. C.E. APR. 2, 1957

ISSUED OCT. 12, 1957

**THE OILGEAR COMPANY**  
MILWAUKEE 4, WISCONSIN, U.S.A.

DS-947611



\* ITEMS 16 & 117 ARE FURNISHED ONLY AS COMPLETE ASSEMBLY

\* ITEMS 73 & 74 ARE FURNISHED ONLY AS COMPLETE ASSEMBLY.

NOTE: WHEN ORDERING PARTS BE SURE TO GIVE SERIAL NUMBER STAMPED ON NAMEPLATE.

50399

PARTS LIST  
OILGEAR SPECIAL "DR" PUMP

NO.	PART	NO.	PART	NO.	PART
1.	Flange, Auxiliary	44.	Screw, Sock. Hd. Cap	91.	Gear, G.P. Driver
2.	Gasket, Flange	45.	Packing Control Gland	92.	Plate, Rotatio. Direction
3.	Housing, Control	46.	Gland, Control	93.	Key G.P. Drive
3A	Screw, Sock. Hd. Cap	47.	Knob, Control	94.	Shim, Front Shaft Bearing
4.	Adapter, Control Piston	48.	Pin, Tapered	95.	Gasket, Seal Housing
4A	Screw, Sock. Hd. Cap	49.	Flange, Pipe	96.	Washer, Lock
5.	Bushing Indicator	49A	Bolt, Flange Coupling	97.	Nut, Lock
6.	Spring Indicator	50.	Gasket, Flange	98.	Shaft, Drive
7.	Gasket, Control	51.	Cover, Pintle	99.	Seal, Shaft
8.	Screw, Adjusting	52.	Gasket, Pintle Cover	100.	Housing, Shaft Seal
9.	Piston, Control	53.	Plunger, B.P.R.V.	100A	Screw, Sock. Hd. Cap
10.	Cage, Check Valve	54.	Ring, Control Piston	101.	Bearing, Front Shaft
11.	Seat, Check Valve	55.	Bearing, Rear Rotor	102.	Shaft, G.P. Stub
12.	Screw, Hex. Hd. Cap	56.	Shim, Rear, Rotor Bearing	103.	Bearing, G.P. Roller
13.	Guide, H.P.R.V. Spring	57.	Key, Pintle	104.	Gear, G.P. Driven
14.	Spring H.P.R.V.	58.	Pintle	105.	Housing, Gear Pump
15.	Seat, H.P.R.V. Spring	59.	Handle, Control	105A	Screw, Sock. Hd. Cap
16.	Plunger, H.P.R.V.	60.	Screw, Sock. Hd. Cap	106.	Cover, Gear Pump
17.	Liner, Case	61.	Gasket, B.P.R.V. Cap	107.	Spacer, Coupling
18.	Dowel, Case Liner	62.	Spring, B.P.R.V.	108.	Flange, Coupling
19.	Dowel, Slide Block Liner	63.	Cap, B.P.R.V.	109.	Bearing, Rear Shaft
20.	Liner, Slide Block	64.	Plug, Pipe	110.	Cover, Slide Block
21.	Case, Pump	65.	Plug, Pipe	111.	Screw, Slide Block Cover
22.	Cage, Check Valve	66.	Ring, Spacer	112.	Ring, Coupling
23.	Spring, Check Valve	67.	Ring, Thrust	113.	Roller, Coupling
24.	Gasket, Check Valve	68.	Piston, Pump	114.	Plate, Instruction
25.	Disc, Check Valve	69.	Tubing, Gear Pump	115.	Shim, H.P.R.V. Retainer
26.	Seat, Check Valve	70.	Cover, Rotor	116.	Bushing, Retainer
27.	Body, Suction Valve	71.	Screw, Rotor Cover	*117.	Bushing, H.P.R.V.
28.	Gasket, Flange	72.	Rotor	118.	Flange, Control
29.	Disc, Check Valve	*73.	Cylinder, Pump	119.	Stem, Indicator
30.	Gasket, H.P.R.V. Cap	*74.	Bushing, Cylinder	120.	Plug, Pipe
31.	Cap, H.P.R.V.	75.	Shim, B.P.R.V.	121.	Gasket, Pump Mounting
32.	Screw, H.P.R.V. Adjusting	76.	Plunger, G.P.R.V.	122.	Flange, Suction
33.	Screw, Control Piston	77.	Plunger, G.P.R.V. Dashpot	123.	Plug, Pipe
33A	Gasket, Control Piston Screw	78.	Shim, G.P.R.V.	124.	Plug, Pipe
34.	Spacer, Control	79.	Cap, G.P.R.V.	125.	Filter, Oil
35.	Piston, Control	80.	Spacer, G.P.R.V.	126.	Valve, Flow Control
36.	Ring, Control Piston	81.	Spring G.P.R.V.	127.	Gage, Filter
37.	Gasket, Control Housing	82.	Gasket, G.P.R.V.	128.	Shim, Slide Block Spacer Ring
38.	Housing, Control	83.	Eyebolt	129.	Ring, Slide Block Spacer
38A	Screw, Sock. Hd. Cap	84.	Nameplate	130.	Screw, Sock. Hd. Cap
39.	Spacer, Control	85.	Slide Block	131.	Gasket, Suction Valve
40.	Gland, Adjusting Screw	86.	Bearing, Front Rotor	132.	Plug, Pipe
40A	Screw, Sock. Hd. Cap	87.	Gasket, G.P. Housing	133.	Packing O'Ring
41.	Screw, Adjusting	88.	Shim, Front Rotor Bearing	134.	Packing O'Ring
42.	Packing, Control Gland	89.	Gasket, G.P. Cover Screw	135.	Packing O'Ring
43.	Screw, Set	90.	Screw, G.P. Cover	136.	Screw, Sock. Hd. Cap

O'RING SIZES  
(For Convenience Of Local Procurement)

PUMP SIZE

SYMBOL NO.	4-8-12	20-35	60
133	3/32 x 11/16 x 7/8	1/8 x 1 1/4 x 1 1/2	1/8 x 1 1/2 x 1 3/4
134	3/32 x 3/4 x 15/16	1/8 x 1 3/8 x 1 5/8	
135	3/32 x 3/4 x 15/16	1/8 x 1 7/16 x 1 11/16	1/8 x 1 5/8 x 1 7/8

NOTE: When ordering O'Rings for other than hydraulic oil service, specify name of fluid. Specify O'Rings of 70 durometer hardness.

\*Parts No. 16 & 117 and No. 73 & 74 are furnished only as assemblies. When ordering replacement parts be sure to include serial number of pump.