

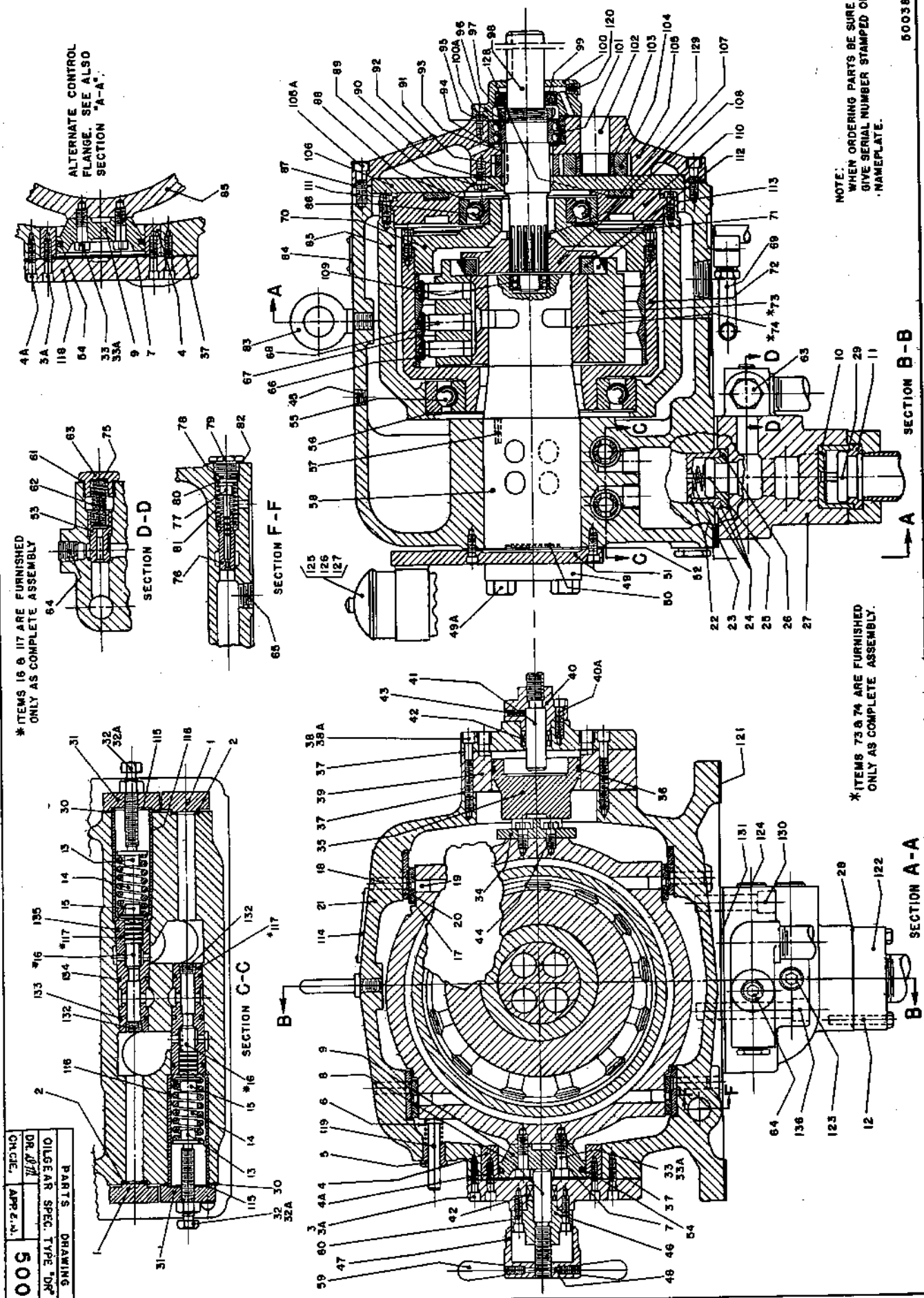
OILGEAR SPECIAL TYPE "DR" PUMPS

680300
 OILGEAR SPEC. TYPE "DR" PUMPS
 PARTS DRAWING
 DR. 477
 APR. 2, 1957
 CH. CIE.

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.

500389

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, Rotatiot 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.