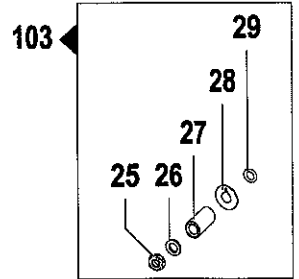
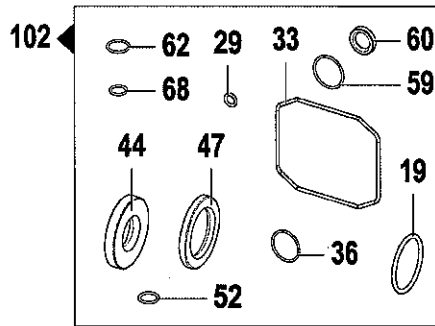
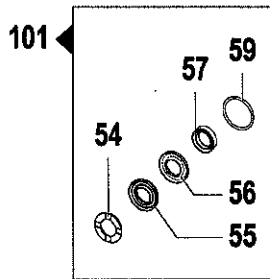
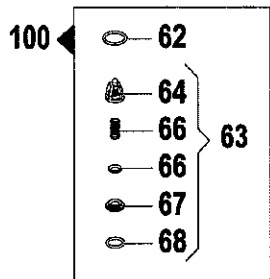
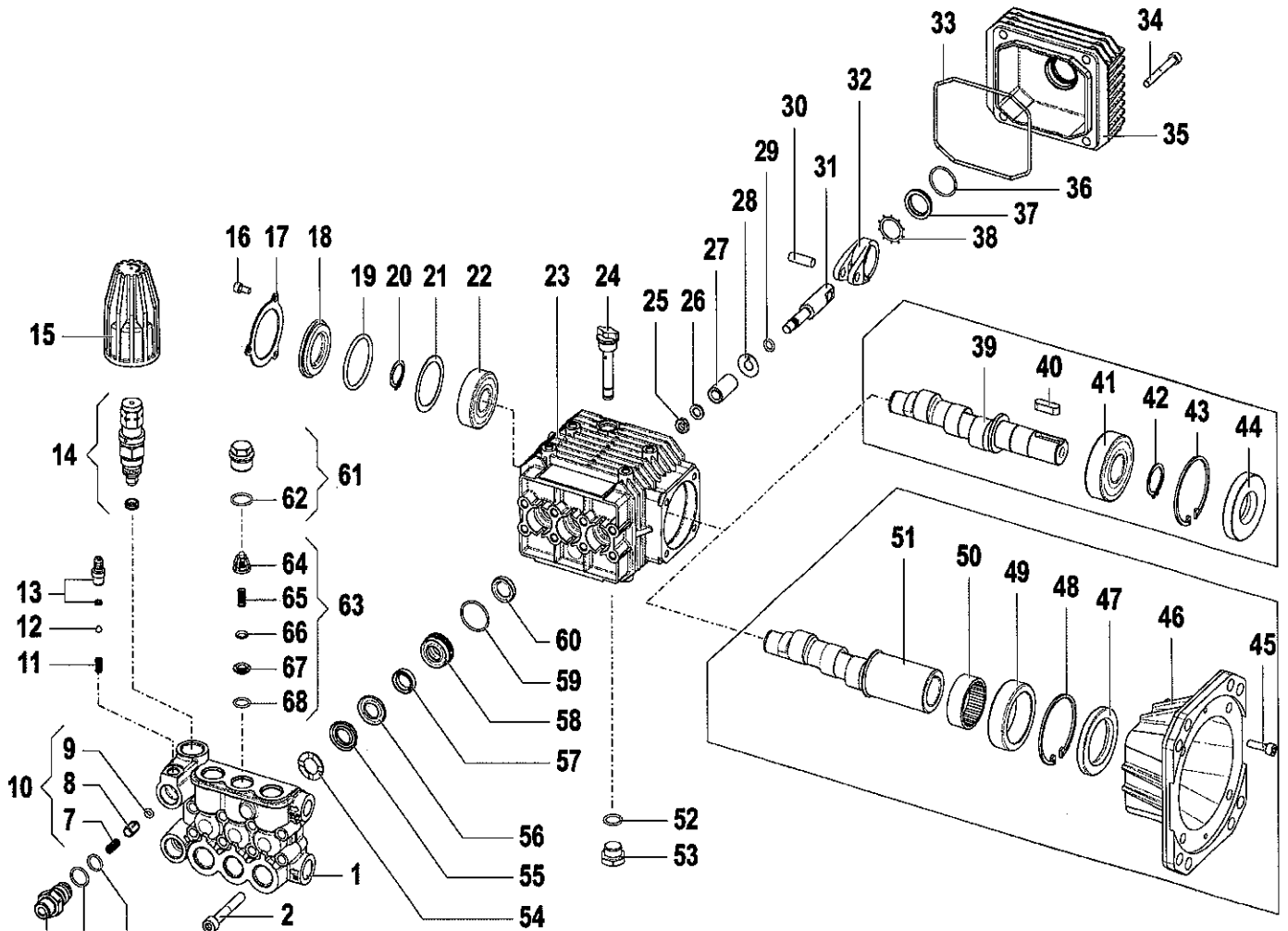


PUMP DIAGRAM

ZWD-K3538 & ZWD-K4042



Pumps Covered By This Document	
Part No.	Model
7104757	ZWD-K4042
7104820	ZWD-K4042
7104858	ZWD-K3538

Torque Specifications						
No.	Part No.	Description	lb.ft	lb.in	N.m	Apply To Thread
2	7105403	M8 x 55 Screw	18.4	220	25	-
16	7105412	M5 x 10 Screw	3.0	40	4	-
25	-	Piston Nut	4.4	50	6	Loctite 243
34	7105425	M6 x 50 Screw	6.6	80	9	-
45	7105436	M6 x 20 Screw	6.6	80	9	-
61	7105446	Valve Plug	33.2	400	45	Loctite 243

7105747 ZWD-K 4042 BELT DRIVE 9.6WA15C
7104820 ZWD-K 4042 DIRECT DRIVE 9.6GA15C
7104858 ZWD-K 3538 DIRECT DRIVE 8.3GA15C

DWG NO.	PART NO.	DESCRIPTION	QTY.	Models
1	7105402	MANIFOLD, COMET ZWD-K PUMP BRASS	1	ALL
2	7105403	SCREW, COMET ZWD-K PUMP M8 X 55	8	ALL
3	-	O-RING, Ø1.78 X 12.42mm	1	ALL
4	-	O-RING, Ø1.78 X 15.6mm	1	ALL
5	-	INJECTOR BODY, Ø1.8mm - M22-1.5	1	ALL
6	7105404	INJECTOR BODY KIT, COMET ZWD-K PUMP	1	ALL
7	-	SPRING, CHECK VALVE	1	ALL
8	-	CHECK VALVE	1	ALL
9	7105405	O-RING, COMET ZWD-K PUMP 2.4 X 4.3MM	1	ALL
10	7105406	CHECK VALVE KIT, COMET ZWD-K INJECTOR	1	ALL
11	7105407	INJECTOR SPRING, COMET ZWD-K PUMP	1	ALL
12	7105408	CHECK BALL, COMET ZWD-K PUMP INJECTOR	1	ALL
13	7105409	COUPLING, COMET ZWD-K PUMP INJECTOR	1	ALL
14	7105410	UNLOADER KIT, COMET ZWD-K PUMP	1	ALL
15	7105411	KNOB, COMET ZWD-K PUMP UNLOADER	1	ALL
16	7105412	SCREW, COMET ZWD-K PUMP M5 X 10	3	ALL
17	7105413	CRANKCASE FLANGE, COMET ZWD-K PUMP	1	ALL
18	7105414	END COVER, COMET ZWD-K PUMP ALUMINUM	1	ALL
19	7105415	O-RING, COMET ZWD-K PUMP 3.53 X 44.04MM	1	ALL
20	7105416	EXTERNAL SNAP RING, COMET ZWD-K PUMP	1	ALL
21	7105417	SPACER, COMET ZWD-K PUMP BEARING/COVER	1	ALL
22	7105418	CRANKSHAFT BEARING, COMET ZWD-K PUMP	1	ALL
23	7105419	CRANKCASE, COMET ZWD-K PUMP ALUMINUM	1	ALL
24	7105420	OIL DIPSTICK, COMET ZWD-K PUMP	1	ALL
25	-	SPECIAL NUT	3	ALL
26	-	WASHER	3	ALL
27	-	CERAMIC BUSHING	3	ALL
28	-	WASHER	3	ALL
29	-	O-RING	3	ALL
30	7105421	PISTON GUIDE PIN, COMET ZWD-K PUMP	3	ALL
31	7105422	PISTON GUIDE, COMET ZWD-K PUMP	3	ALL
32	7105423	CONNECTING ROD, COMET ZWD-K PUMP	3	ALL
33	7105424	O-RING, COMET ZWD-K PUMP 3.0 X 94MM	1	ALL
34	7105425	SCREW, COMET ZWD-K PUMP M6 X 50	4	ALL
35	7105426	SIDE COVER, COMET ZWD-K PUMP CRANKCASE	1	ALL
36	7105427	O-RING, COMET ZWD-K PUMP 1.78 X 23.52MM	1	ALL
37	7105428	SIGHT GLASS, COMET ZWD-K PUMP	1	ALL
38	7105429	RETAINING RING, COMET ZWD-K PUMP	1	ALL
39	7105430	CRANKSHAFT, COMET ZWD-K4042S BELT DRIVE	1	7104757 ONLY
40	7105431	SHAFT KEY, COMET ZWD-K4042S BELTDRIVE	1	7104757 ONLY
41	7105432	CRANK BEARING, COMET ZWD-K4042S BELT DRIVE	1	7104757 ONLY
42	7105433	SNAP RING, EXT COMET ZWD-K4042S BELT DRIVE	1	7104757 ONLY
43	7105434	SNAP RING, INT COMET ZWD-K4042S BELTDRIVE	1	7104757 ONLY
44	7105435	OIL SEAL, CRANKSHAFT, COMET ZWD-K4042S BD	1	7104757 ONLY
45	7105436	SCREW, COMET ZWD-K DIRECT DRIVE M6 X 20	4	7104858 & 7104820
46	7105437	MOUNTING FLANGE, COMET ZWD-K DIRECTDRIVE	1	7104858 & 7104820
47	7105438	OIL SEAL, CRANKSHAFT COMET ZWD-K DD	1	7104858 & 7104820
48	7105439	BUSHING, CRANKSHAFT COMET ZWD-K DD	1	7104858 & 7104820
49	7105440	BEARING, CRANKSHAFT COMET ZWD-K DD	1	7104858 & 7104820
50	7105441	CRANKSHAFT COMET ZWD-K3538G DD 1.00"	1	7104858
51	7105442	CRANKSHAFT COMET ZWD-K4042G DD 1.00"	1	7104820
52	7105443	O-RING, COMET ZWD-K PUMP 2.0 X 14MM	1	ALL
53	7105444	PLUG, COMET ZWD-K OIL DRAIN 3/8" GAS	1	ALL
54	-	PACKING HEAD RING	1	ALL
55	-	PACKING	3	ALL
56	-	BACK RING	3	ALL
57	-	PACKING	3	ALL
58	-	PACKING	3	ALL
59	-	O-RING	3	ALL
60	7105445	OIL SEAL, COMET ZWD-K PUMP 15 X 24 X 5MM	3	ALL
61	7105446	PLUG KIT, COMET ZWD-K PUMP VALVE	3	ALL
62	7105447	O-RING, COMET ZWD-K PUMP 1.78 X 17.17MM	6	ALL
63	-	PRESSURE VALVE ASSEMBLY	6	ALL
64	-	VALVE CAGE	6	ALL
65	-	VALVE SPRING	6	ALL
66	-	VALVE	6	ALL
67	-	SEAT	6	ALL
68	-	O-RING	6	ALL
Spare Parts Kits				
100	7105448	VALVE KIT, COMET ZWD-K PUMP (62-68)	1	ALL
101	7105449	WATER SEAL KIT, COMET ZWD-K PUMP (54-56)	1	ALL
102	7105450	OIL SEAL KIT, COMET ZWD-K PUMP	1	ALL
103	7105451	PISTON KIT, COMET ZWD-K PUMP 15MM(25-29)	1	ALL