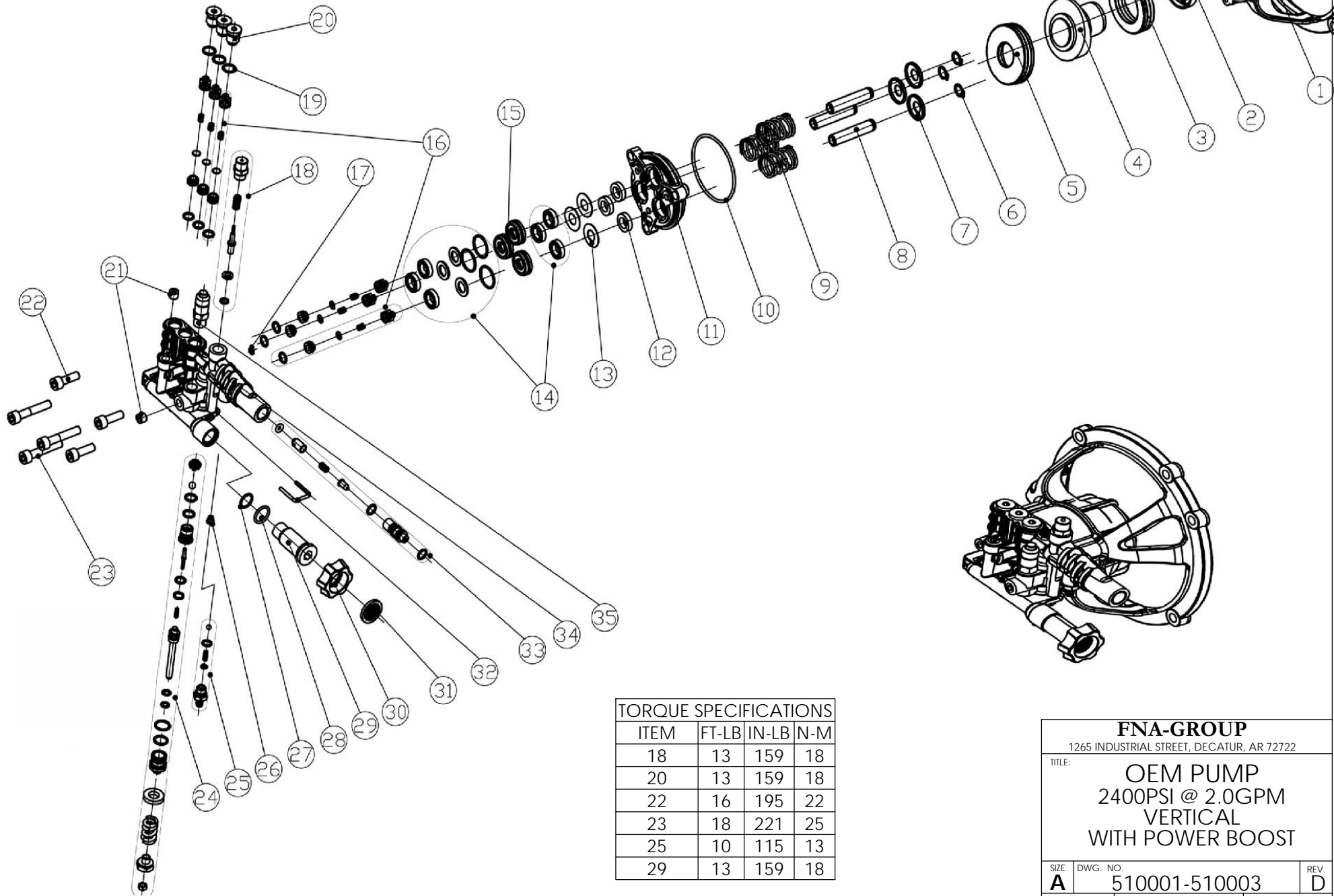


PUMPS COVERED BY THIS DOCUMENT	
PART NO.	DESCRIPTION
510001	PUMP, 2400 @ 2 P/BOOST
510003	PUMP, 3000 @ 2.4 P/BOOST

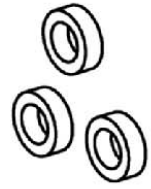
510001 / 8.6CAV11

510003 / 8.6CAV12



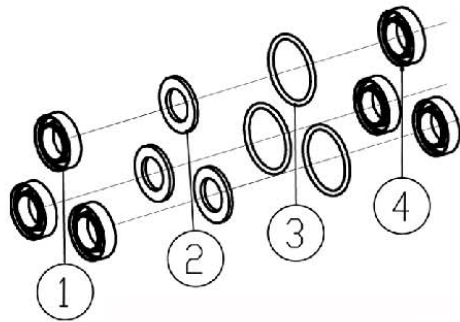
TORQUE SPECIFICATIONS			
ITEM	FT-LB	IN-LB	N-M
18	13	159	18
20	13	159	18
22	16	195	22
23	18	221	25
25	10	115	13
29	13	159	18

<b>FNA-GROUP</b>		
1265 INDUSTRIAL STREET, DECATUR, AR 72722		
TITLE:		
OEM PUMP 2400PSI @ 2.0GPM VERTICAL WITH POWER BOOST		
SIZE	DWG. NO.	REV.
<b>A</b>	510001-510003	<b>D</b>
SCALE:	N/A	ECN#
	DC15-0145	SHEET 1 OF 6



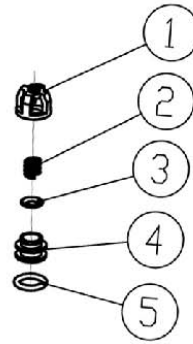
12 PART NO. 7106662

OIL SEAL KIT		
ITEM	QTY	DESCRIPTION
1	3	SEAL, OIL



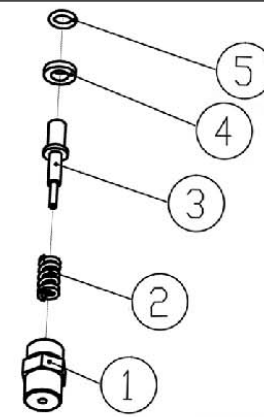
14 PART NO. 7106664

WATER SEAL KIT		
ITEM	QTY	DESCRIPTION
1	3	HIGH PRESSURE SEAL
2	3	BACK RING
3	3	O-RING
4	3	LOW PRESSURE SEAL



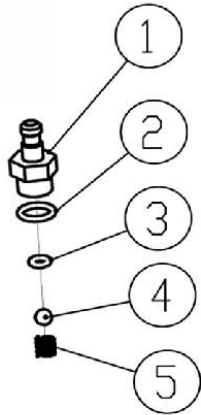
16 PART NO. 7104223

VALVE KIT		
ITEM	QTY	DESCRIPTION
1	6	VALVE CASE
2	6	SPRING
3	6	VALVE PLATE
4	6	VALVE SEAT
5	6	O-RING



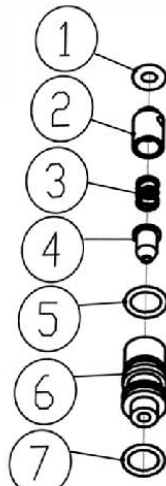
18 PART NO. 7106628

BOOST VALVE KIT		
ITEM	QTY	DESCRIPTION
1	1	VALVE CASE
2	1	VALVE SPRING
3	1	VALVE POLE
4	1	VALVE PLATE
5	1	O-RING



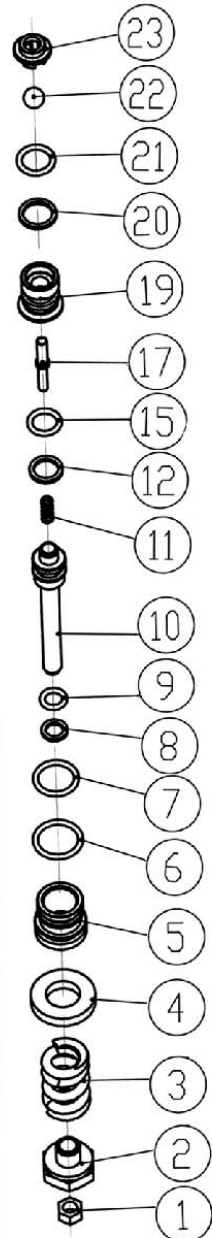
25 PART NO. 7104228

SOAP INJECTOR KIT		
ITEM	QTY	DESCRIPTION
1	1	HOSE BARB
2	1	O-RING
3	1	O-RING
4	1	STEEL BALL
5	1	SPRING



33 PART NO. 7106630

VENTURI TUBE KIT		
ITEM	QTY	DESCRIPTION
1	1	O-RING
2	1	CHECK VALVE CORE
3	1	CHECK VALVE SPRING
4	1	NOZZLE
5	1	O-RING
6	1	VENTURI TUBE
7	1	O-RING



24 PART NO. 7104226

UNLOADER KIT		
ITEM	QTY	DESCRIPTION
1	1	NUT
2	1	ADJUSTING NUT
3	1	SPRING
4	1	SEATING RING
5	1	VALVE SHEATH
6	1	O-RING
7	1	O-RING
8	1	CHECKING RING
9	1	O-RING
10	1	VALVE POLE
11	1	SPRING
12	1	CHECKING RING
15	1	O-RING
17	1	PIN
19	1	UPPER SEAT
20	1	CHECKING RING
21	1	O-RING
22	1	STEEL BALL
23	1	BACK SEAT

# 510001 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
1		Case	1	
2		Oil Seal	1	
3		Thrusting Bearing 2	1	
4		Back Ring, Wobble Plate	1	
		O-Ring	1	
		Wobble Plate	1	
5		Thrusting Bearing 1	1	
6		Clip	3	
7		Spring Base	3	
8		Plunger	3	
9		Spring, Plunger	3	
10		O-Ring	1	
11		Base, Plunger	1	
12	7105741	Oil Seal	3	Oil Seal Kit
13		Back Ring	3	
14	7106627	High Pressure Water Seal	3	Water Seal Kit
		Back Ring		
		O-Ring		
		Low Pressure Water Seal		
15	7106643	Back Ring	3	
16	7104223	Valve Case	6	Valve Kit (INLET AND OUTLET)
		Spring		
		Valve Plate		
		Valve Seat		
		O-Ring		
17	7106644	O-Ring	1	
18	7108157	Boost Valve Case	1	Boost Plug Kit
		Boost Valve Spring		
		Boost Valve Pole		
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	3	
21	7106647	Plug	2	
22	7106648	Screw	3	
23	7106649	Screw	3	

# 510001 PUMP DRAWING PARTS LIST

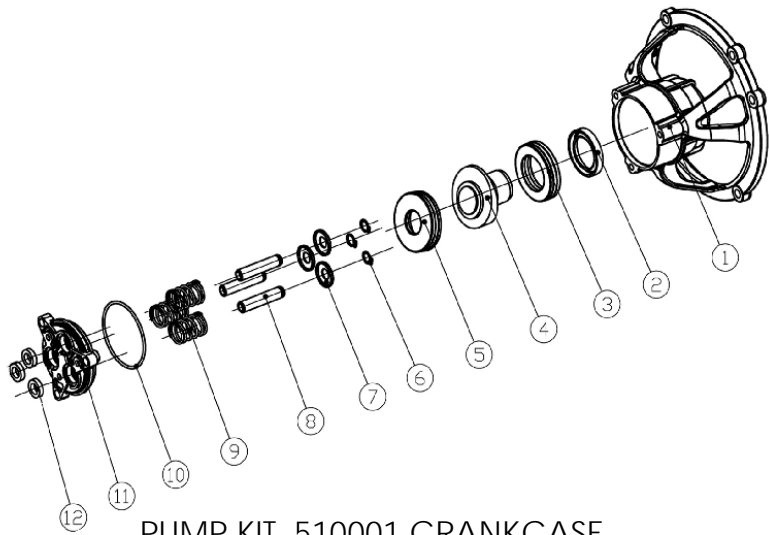
ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
24	7104226	Nut	1	Unloader Kit
		Adjusting Nut		
		Spring		
		Seating Ring		
		Valve Sheath		
		O-Ring		
		O-Ring		
		Checking Ring		
		O-Ring		
		Valve Pole		
		Spring		
		Checking Ring		
		O-Ring		
		Pin		
		Upper Seat		
		Checking Ring		
		O-Ring		
Steel Ball				
Back Seat				
25	7104228	Nozzle	1	Soap Injector Kit
		O-Ring		
		O-Ring		
		Steel Ball		
Spring				
26	7106650	Venturi Tube Back Ring	1	
27	7106651	O-Ring	1	
28	7106652	O-Ring	1	
29	7106653	Inlet Connector	1	
30	7105705	Garden Hose Nut	1	
31	7000123	Filter Gasket	1	
32	7106655	U-Pin	1	
33	7106630	O-Ring	1	Venturi Tube Kit
		Checking Valve Core		
		Checking Valve Spring		
		Nozzle		
		O-Ring		
		Venturi Tube		
O-Ring				
34		Pump Head	1	
35	7101359	Thermal Relief Valve	1	

## 510003 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
1		Case	1	
2		Oil Seal	1	
3		Thrusting Bearing 2	1	
4		Back Ring, Wobble Plate	1	
		O-Ring	1	
		Wobble Plate	1	
5		Thrusting Bearing 1	1	
6		Clip	3	
7		Spring Base	3	
8		Plunger	3	
9		Spring, Plunger	3	
10		O-Ring	1	
11		Base, Plunger	1	
12	7105741	Oil Seal	3	Oil Seal Kit
13		Back Ring	3	
14	7106627	High Pressure Water Seal	3	Water Seal Kit
		Back Ring		
		O-Ring		
		Low Pressure Water Seal		
15	7106643	Back Ring	3	
16	7104223	Valve Case	6	Valve Kit (INLET AND OUTLET)
		Spring		
		Valve Plate		
		Valve Seat		
		O-Ring		
17	7106644	O-Ring	1	
18	7108157	Boost Valve Case	1	Boost Plug Kit
		Boost Valve Spring		
		Boost Valve Pole		
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	3	
21	7106647	Plug	2	
22	7106648	Screw	3	
23	7106649	Screw	3	

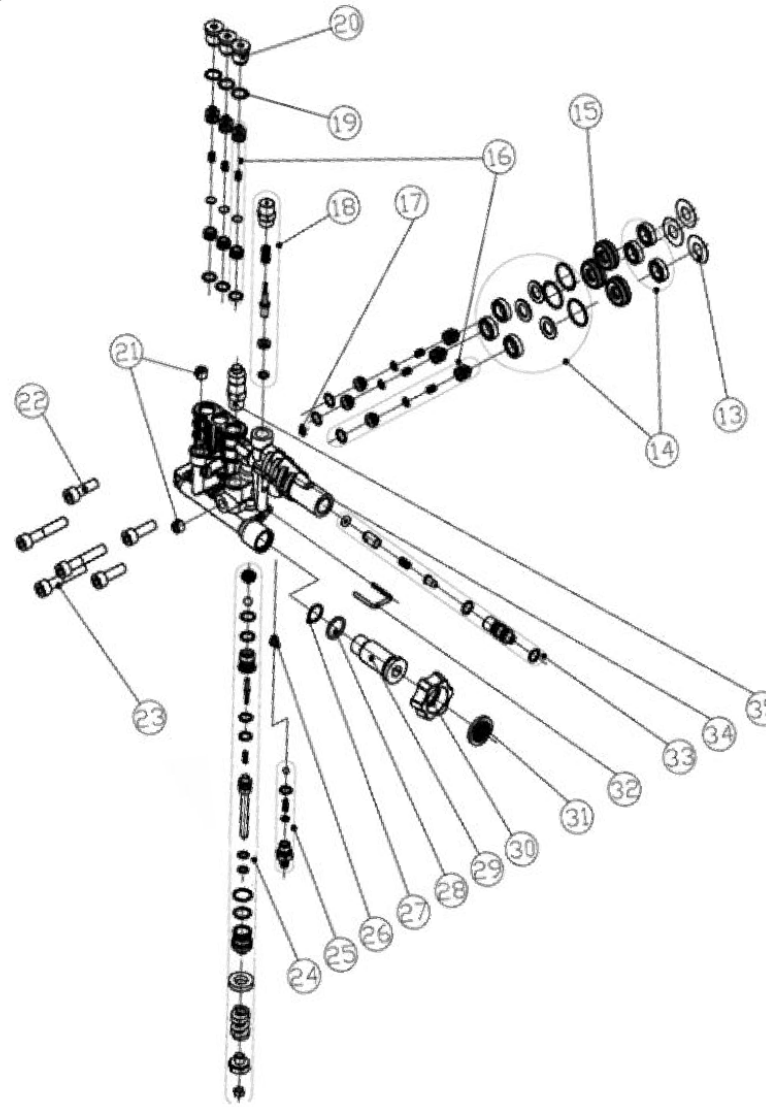
## 510003 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
24	7104226	Nut	1	Unloader Kit
		Adjusting Nut		
		Spring		
		Seating Ring		
		Valve Sheath		
		O-Ring		
		O-Ring		
		Checking Ring		
		O-Ring		
		Valve Pole		
		Spring		
		Checking Ring		
		O-Ring		
		Pin		
		Upper Seat		
		Checking Ring		
		O-Ring		
Steel Ball				
Back Seat				
25	7104228	Nozzle	1	Soap Injector Kit
		O-Ring		
		O-Ring		
		Steel Ball		
		Spring		
26	7106650	Venturi Tube Back Ring	1	
27	7106651	O-Ring	1	
28	7106652	O-Ring	1	
29	7106653	Inlet Connector	1	
30	7105705	Garden Hose Nut	1	
31	7000123	Filter Gasket	1	
32	7106655	U-Pin	1	
33	7106630	O-Ring	1	Venturi Tube Kit
		Checking Valve Core		
		Checking Valve Spring		
		Nozzle		
		O-Ring		
		Venturi Tube		
O-Ring				
34		Pump Head	1	
35	7101359	Thermal Relief Valve	1	



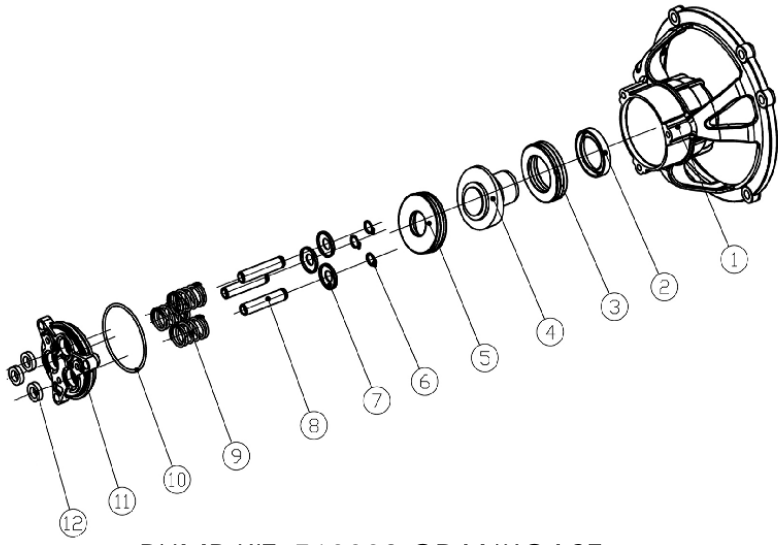
PUMP KIT, 510001 CRANKCASE  
PART NO. 7107339

510003 PUMP DRAWING PARTS LIST				
ITEM	PART NO.	DESCRIPTION	QTY	COMMENT
1		Case	1	
2		Oil Seal	1	
3		Thrusting Bearing 2	1	
4		Back Ring, Wobble Plate	1	
		O-Ring	1	
		Wobble Plate	1	
5		Thrusting Bearing 1	1	
6		Clip	3	
7		Spring Base	3	
8		Plunger	3	
9		Spring, Plunger	3	
10		O-Ring	1	
11		Base, Plunger	1	
12	7106662	Oil Seal	3	Oil Seal Kit



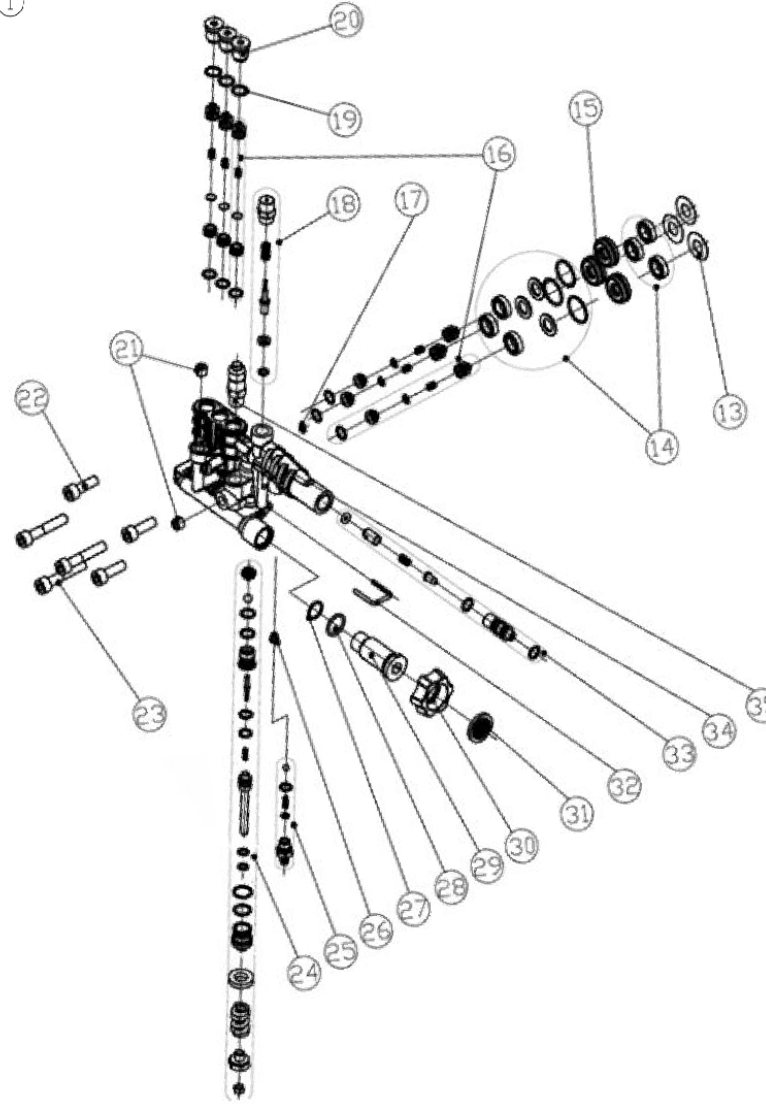
PUMP KIT, 510001 MANIFOLD  
PART NO. 7107340

510001 PUMP DRAWING PARTS LIST				
ITEM	PART NO.	DESCRIPTION	QTY	COMMENT
13		Back Ring	3	
14	7106627	High Pressure Water Seal		
		Back Ring	3	Water Seal Kit
		O-Ring		
		Low Pressure Water Seal		
15	7106643	Back Ring	3	
16	7104223	Valve Case		
		Spring		
		Valve Plate	6	Valve Kit (INLET AND OUTLET)
		Valve Seat		
		O-Ring		
17	7106644	O-Ring	1	
18	7108157	Boost Valve Case		
		Boost Valve Spring		
		Boost Valve Pole	1	Boost Plug Kit
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	3	
21	7106647	Plug	2	
22	7106648	Screw	3	
23	7106649	Screw	3	
24	7104226	Nut		
		Adjusting Nut		
		Spring		
		Seating Ring		
		Valve Sheath		
		O-Ring		
		O-Ring		
		Checking Ring		
		O-Ring		
		Valve Pole	1	Unloader Kit
		Spring		
		Checking Ring		
		O-Ring		
		Pin		
		Upper Seat		
		Checking Ring		
		O-Ring		
		Steel Ball		
		Back Seat		
25	7104228	Nozzle		
		O-Ring	1	Soap Injector Kit
		O-Ring		
		Steel Ball		
		Spring		
26	7106650	Venturi Tube Back Ring	1	
27	7106651	O-Ring	1	
28	7106652	O-Ring	1	
29	7106653	Inlet Connector	1	
30	7105705	Garden Hose Nut	1	
31	7000123	Filter Gasket	1	
32	7106655	U-Pin	1	
33	7106630	O-Ring		
		Checking Valve Core		
		Checking Valve Spring		
		Nozzle	1	Venturi Tube Kit
		O-Ring		
		Venturi Tube		
		O-Ring		
34		Pump Head	1	
35	7101359	Thermal Relief Valve	1	



PUMP KIT, 510003 CRANKCASE  
PART NO. 7107341

510003 PUMP DRAWING PARTS LIST				
ITEM	PART NO.	DESCRIPTION	QTY	COMMENT
1		Case	1	
2		Oil Seal	1	
3		Thrusting Bearing 2	1	
4		Back Ring, Wobble Plate	1	
		O-Ring	1	
		Wobble Plate	1	
5		Thrusting Bearing 1	1	
6		Clip	3	
7		Spring Base	3	
8		Plunger	3	
9		Spring, Plunger	3	
10		O-Ring	1	
11		Base, Plunger	1	
12	7106662	Oil Seal	3	Oil Seal Kit



PUMP KIT, 510003 MANIFOLD  
PART NO. 7107342

510003 PUMP DRAWING PARTS LIST				
ITEM	PART NO.	DESCRIPTION	QTY	COMMENT
13		Back Ring	3	
14	7106627	High Pressure Water Seal		Water Seal Kit
		Back Ring	3	
		Low Pressure Water Seal		
15	7106643	Back Ring	3	
16	7104223	Valve Case		Valve Kit (INLET AND OUTLET)
		Spring	6	
		Valve Plate		
		Valve Seat		
		O-Ring		
17	7106644	O-Ring	1	
18	7108157	Boost Valve Case		Boost Plug Kit
		Boost Valve Spring	1	
		Boost Valve Pole		
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	3	
21	7106647	Plug	2	
22	7106648	Screw	3	
23	7106649	Screw	3	
24	7104226	Nut		Unloader Kit
		Adjusting Nut		
		Spring		
		Seating Ring		
		Valve Sheath		
		O-Ring		
		O-Ring		
		Checking Ring		
		O-Ring		
		Valve Pole		
		Spring		
		Checking Ring		
		O-Ring		
		Pin		
		Upper Seat		
		Checking Ring		
		O-Ring		
		Steel Ball		
		Back Seat		
		Nozzle		
25	7104228	O-Ring		Soap Injector Kit
		O-Ring	1	
		Steel Ball		
		Spring		
26	7106650	Venturi Tube Back Ring	1	
27	7106651	O-Ring	1	
28	7106652	O-Ring	1	
29	7106653	Inlet Connector	1	
30	7105705	Garden Hose Nut	1	
31	7000123	Filter Gasket	1	
32	7106655	U-Pin	1	
33	7106630	O-Ring		Venturi Tube Kit
		Checking Valve Core	1	
		Checking Valve Spring		
		Nozzle		
		O-Ring		
		Venturi Tube		
		O-Ring		
34		Pump Head	1	
35	7101359	Thermal Relief Valve	1	