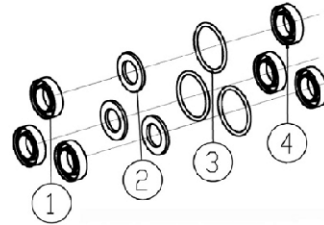


TORQUE SPECIFICATIONS			
ITEM	N-M	FT-LB	IN-LB
18-1	18	13.28	159.3
20	18	13.28	159.3
21	9	6.64	79.66
22	22	16.23	194.7
23	25	18.44	221.3
25-1	13	9.59	115.1
29	18	13.28	159.3
35	18	13.28	159.3
36	18	13.28	159.3



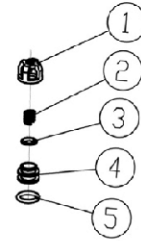
12 PART NO. 7105741

OIL SEAL KIT		
ITEM	QTY	DESCRIPTION
1	3	SEAL, OIL



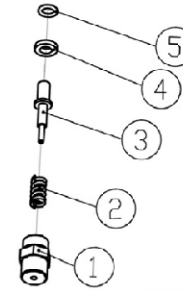
14 PART NO. 7106627

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



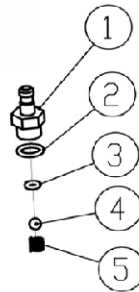
16 PART NO. 7104223

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



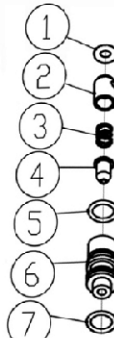
18 PART NO. 7106628

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



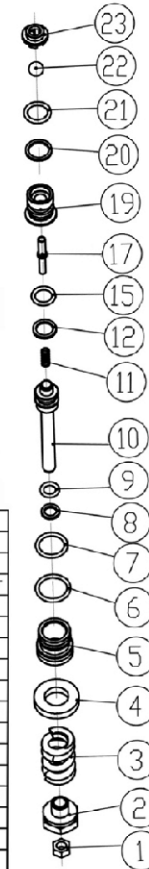
25 PART NO. 7104228

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

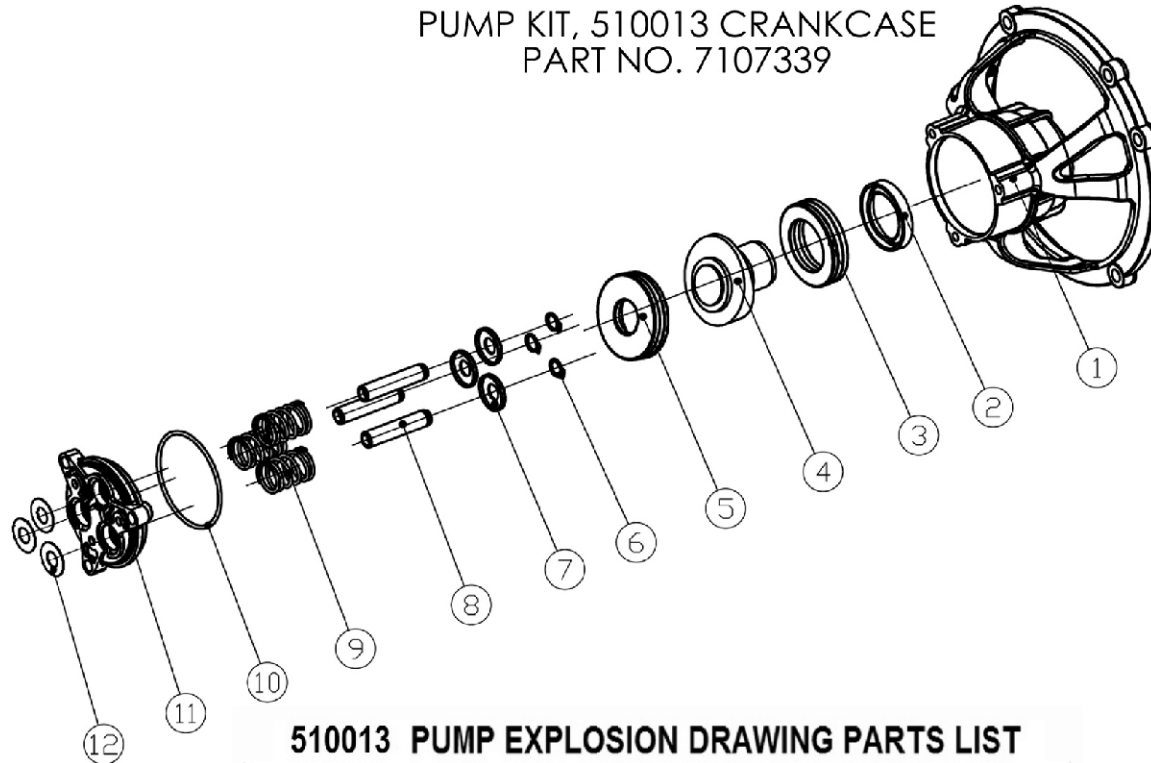
510013 PUMP EXPLOSION DRAWING PARTS LIST

ITEM	PART NO.	PART NAME	QTY PER PUMP	COMMENT
1	7106631	Case	1	
2	7106632	Oil seal	1	
3	7106633	Thrusting Bearing 2	1	
4	7106634	Wobble Plate	1	
5	7106635	Thrusting Bearing 1	1	
6	7106636	Clip	3	
7	7106637	Spring Base	3	
8	7106638	Plunger	3	
9	7106639	Spring	3	
10	7106640	O-Ring	1	
11	7106641	Plunger Base	1	
12	7105741	Oil Seal	3	Oil Seal Kit
13	7106642	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		
17	7106644	O-Ring	1	
18	7106628	Boost Valve Case	1	Boost Valve Kit
		Boost Valve Spring		
		Boost Valve Pole		
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	2	
21	7106647	Plug	2	
22	7106648	Screw	3	
23	7106649	Screw	3	

510013 PUMP EXPLOSION DRAWING PARTS LIST

ITEM	PART NO.	PART NAME	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	7106654	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	7106656	Pump Head	1	
35	7101359	Thermal Relief Valve	1	
36	7107414	Pump Adapter	1	

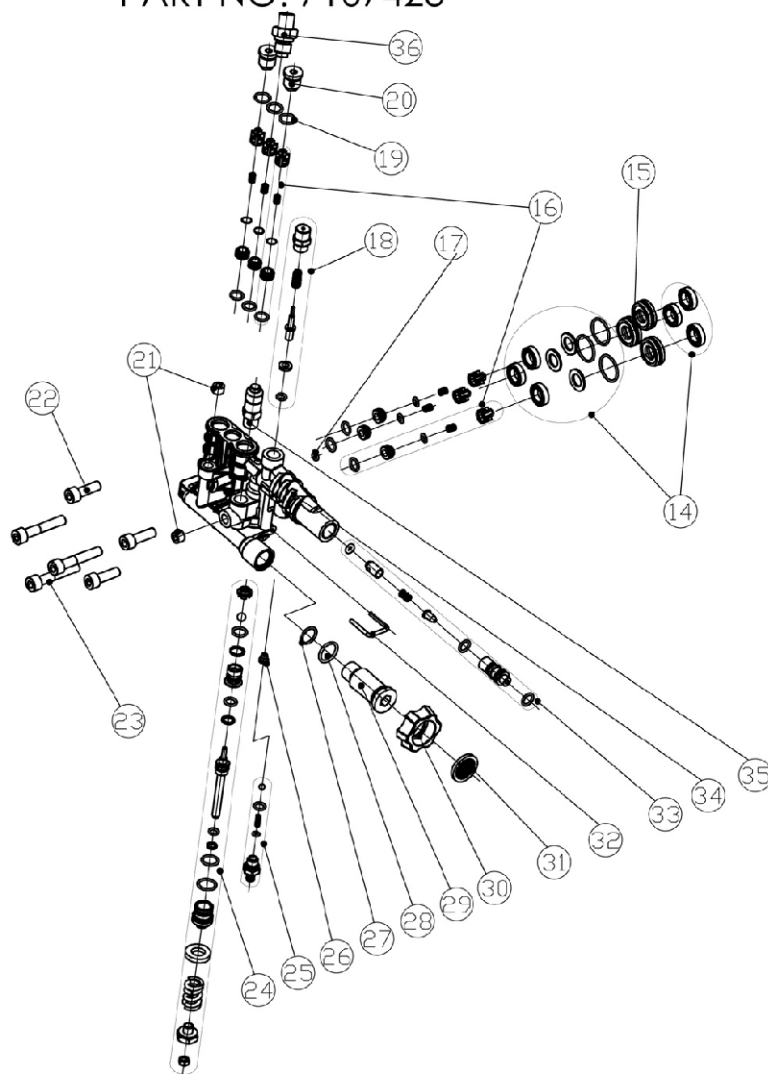
PUMP KIT, 510013 CRANKCASE
PART NO. 7107339



510013 PUMP EXPLOSION DRAWING PARTS LIST

ITEM	PART NO.	PART NAME	QTY PER PUMP	COMMENT
1	7106631	Case	1	
2	7106632	Oil seal	1	
3	7106633	Thrusting Bearing 2	1	
4	7106634	Wobble Plate	1	
5	7106635	Thrusting Bearing 1	1	
6	7106636	Clip	3	
7	7106637	Spring Base	3	
8	7106638	Plunger	3	
9	7106639	Spring	3	
10	7106640	O-Ring	1	
11	7106641	Plunger Base	1	
12	7105741	Oil Seal	3	Oil Seal Kit
13	7106642	Back Ring	3	

PUMP KIT, 510013 MANIFOLD
PART NO. 7107423



510013 PUMP EXPLOSION DRAWING PARTS LIST

14	7106627	High Pressure Water Seal	3	Water Seal Kit
		Back Ring		
		O-Ring		
15	7106643	Low Pressure Water Seal	3	
		Back Ring		
16	7104223	Valve Case	6	Valve Kit (INLET AND OUTLET)
		Spring		
		Valve Plate		
		Valve Seat		
		O-Ring		
17	7106644	O-Ring	1	
18	7106626	Boost Valve Case	1	Boost Valve Kit
		Boost Valve Spring		
		Boost Valve Pole		
		Boost Valve Plate		
		O-Ring		
19	7106645	O-Ring	3	
20	7106646	Plug	2	
21	7106647	Plug	2	
22	7106646	Screw	3	
23	7106645	Screw	3	
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		
26	7105650	Venturi Tube Back Ring	1	
27	7105651	O-Ring	1	
28	7105652	O-Ring	1	
29	7105653	Inlet Connector	1	
30	7105654	Nut	1	
31	7003123	Filter Gasket	1	
32	7105655	U-Pin	1	
33	7105630	O-Ring	1	Venturi Tube Kit
		Checking Valve Core		
		Checking Valve Spring		
		Nozzle		
		O-Ring		
34	7105656	Pump Head	1	
35	7101355	Thermal Relief Valve	1	
36	7107414	Pump Adapter	1	