

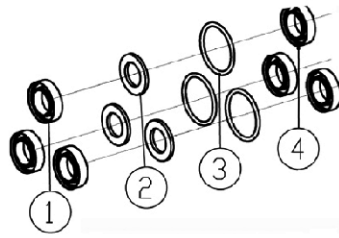
TORQUE SPECIFICATIONS			
ITEM	FT-LB	IN-LB	N-M
22	13	159	18
25	16	195	22
26	18	221	25
27	13	159	18
31	13	159	18
33	6	71	8
35	10	115	13
39	13	159	18

SIZE	DWG. NO.	REV.
A	60693-S	B
SCALE: N/A	ECN# DC14-0112	SHEET 5 OF 9



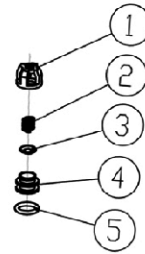
14 PART NO. 7105741

OIL SEAL KIT		
ITEM	QTY	DESCRIPTION
1	3	SEAL, OIL



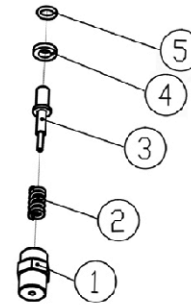
16 PART NO. 7106627

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



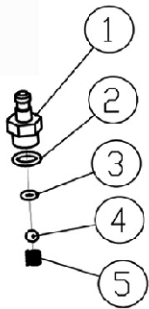
19 PART NO. 7104223

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



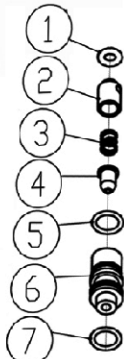
31 PART NO. 7106654

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



35 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

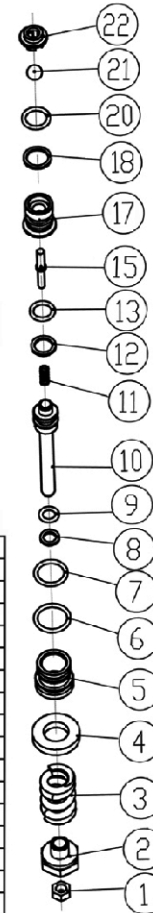


37 PART NO. 7106630

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

32 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
13	1	O-RING
15	1	PIN
17	1	UPPER SEAT
18	1	CHECKING RING
20	1	O-RING
21	1	STEEL BALL
22	1	BACK SEAT



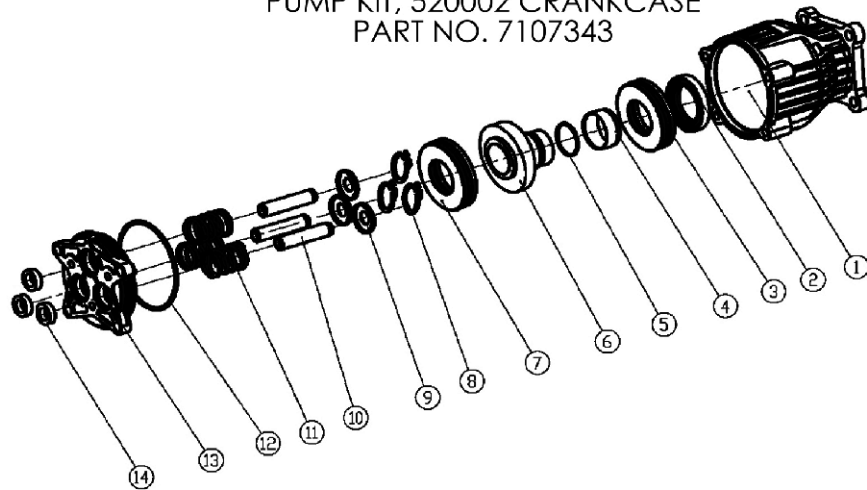
520002 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
1	7106683	Case	1	
2	7106632	Oil Seal	1	
3	7106633	Thrusting Bearing 2	1	
4	7106673	Back Ring, Wobble Plate	1	
5	7106674	O-Ring	1	
6	7106675	Wobble Plate	1	
7	7106635	Thrusting Bearing 1	1	
8	7106636	Clip	3	
9	7106637	Spring Base	3	
10	7106638	Plunger	3	
11	7106639	Spring, Plunger	3	
12	7106676	O-Ring	1	
13	7106677	Base, Plunger	1	
14	7105741	Oil Seal	3	Oil Seal Kit
15	7106642	Back Ring	3	
16	7106627	High Pressure Water Seal Back Ring O-Ring Low Pressure Water Seal	3	Water Seal Kit
17	7106643	Back Ring	3	
18	7106644	O-Ring	1	
19	7104223	Valve Case Spring Valve Plate Valve Seat O-Ring	6	Valve Kit (INLET AND OUTLET)
20	7000123	Filter Gasket	1	
21	7105705	Nut	1	
22	7106678	Inlet Connector	1	
23	7106651	O-Ring	1	
24	7106679	Pump Head	1	
25	7106648	Screw	4	
26	7106649	Screw	3	
27	7101359	Thermal Protector	1	
28	7106680	O-Ring	1	
29	7106681	O-Ring	3	
30	7005061	Nut Plug	2	

520002 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
31	7106654	Boost Valve Case Boost Valve Spring Boost Valve Pole Boost Valve Plate O-Ring	1	Pressure Boost Valve Kit
32	7104226	Nut 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	1	Unloader Kit
33	7106682	Screw	5	
34	7106655	U-Pin	1	
35	7104228	Nozzle O-Ring O-Ring Spring Steel Ball	1	Soap Injector Kit
36	7106687	Manifold	1	
37	7106630	O-Ring Checking Valve Core Checking Valve Spring Nozzle O-Ring Venturi Tube O-Ring	1	Venturio Tube Kit
38	7106651	O-Ring	1	
39	7106686	Outlet Connector	1	
40	7106652	O-Ring	1	

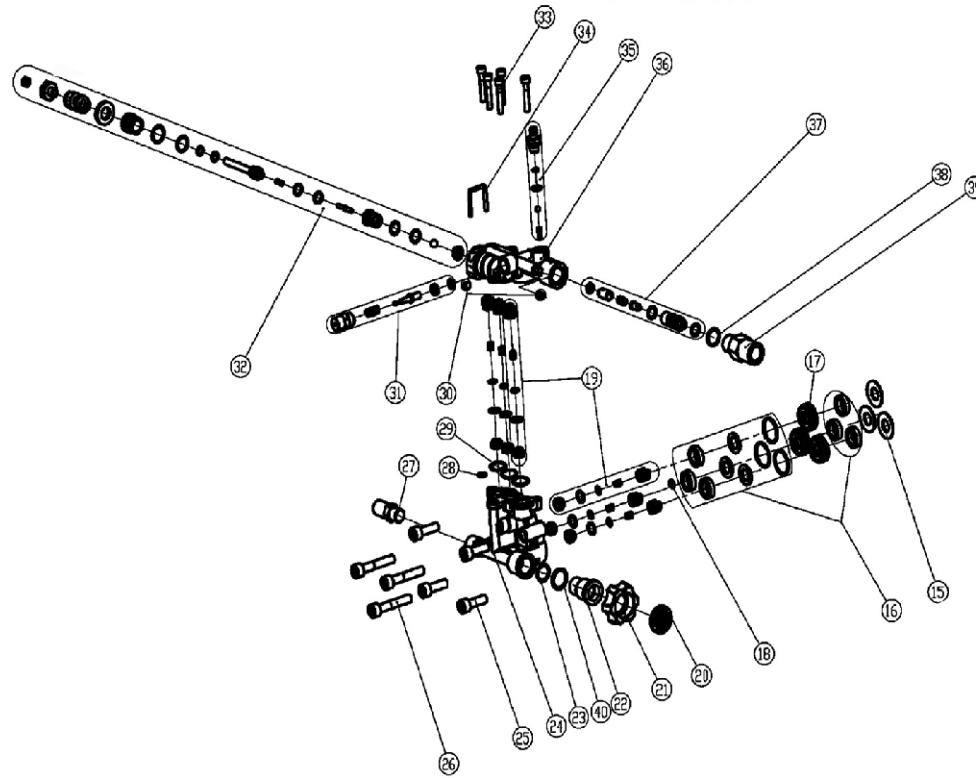
PUMP KIT, 520002 CRANKCASE
PART NO. 7107343



520002 PUMP DRAWING PARTS LIST

ITEM	PART NO.	DESCRIPTION	QTY PER PUMP	COMMENT
1	7106683	Case	1	
2	7106632	Oil Seal	1	
3	7106633	Thrusting Bearing 2	1	
4	7106673	Back Ring, Wobble Plate	1	
5	7106674	O-Ring	1	
6	7106675	Wobble Plate	1	
7	7106635	Thrusting Bearing 1	1	
8	7106636	Clip	3	
9	7106637	Spring Base	3	
10	7106638	Plunger	3	
11	7106639	Spring, Plunger	3	
12	7106676	O-Ring	1	
13	7106677	Base, Plunger	1	
14	7105741	Oil Seal	3	Oil Seal Kit

PUMP KIT, 520002 MANIFOLD
PART NO. 7107344



520002 PUMP DRAWING PARTS LIST

16	F16042	Back Ring	3	
		Long Premium Water Seal		
		Back Ring		
16	F16042	C-Fitting	3	Water Seal Kit
		Short Premium Water Seal		
17	F16044	Back Ring	3	
		C-Fitting		
18	F16044	C-Fitting	1	
		Water Case		
19	F16020	SHRUB	6	Valve Kit (INLET AND OUTLET)
		Lockwasher		
		Water Seal		
		C-Fitting		
20	F16020	Flare Gasket	1	
21	F16020	Flare	1	
22	F16043	Flare Connector	1	
23	F16043	C-Fitting	1	
24	F16043	Flare Nut	1	
25	F16044	Flare Nut	4	
26	F16044	Flare	3	
27	F16020	Flare Connector	1	
28	F16043	C-Fitting	1	
29	F16043	C-Fitting	3	
30	F16044	Flare Nut	2	
		Back Water Case		
31	F16045	Back Water Case	1	Pressure Relief Valve Kit
		Back Water Case		
		Back Water Pipe		
		Back Water Pipe		
		C-Fitting		
		Nut		
		Washer Nut		
		Spring		
		Sealing Ring		
		Water Column		
		C-Fitting		
		C-Ring		
		Checking Ring		
		C-Fitting		
32	F16020	Water Pipe	1	Lineator Kit
		Flare		
		Checking Ring		
		C-Fitting		
		Flare		
		Upper Seal		
		Checking Ring		
		C-Fitting		
		Steel Ball		
33	F16045	Steel Ball	5	
34	F16045	L-Fitting	1	
		Nut		
35	F16045	C-Fitting	1	Suction Injector Kit
		Flare		
		Steel Ball		
36	F16047	Washer Nut	1	
		C-Fitting		
		Checking Flare Cone		
		Checking Flare Spring		
37	F16030	Washer	1	Vertical Tube Kit
		C-Fitting		
		Water Seal		
		C-Fitting		
38	F16045	C-Fitting	1	
39	F16045	Flare Connector	1	
40	F16045	C-Fitting	1	