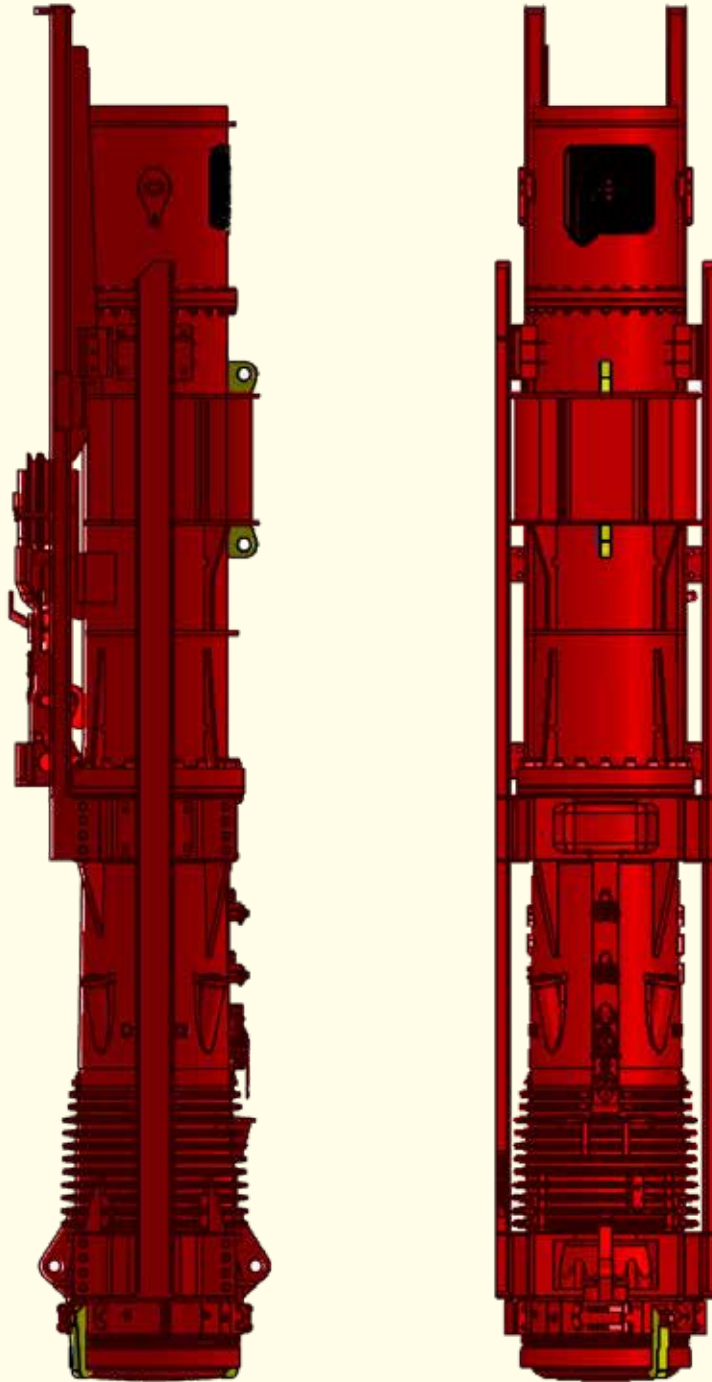




PILECO INC.

Parts Manual

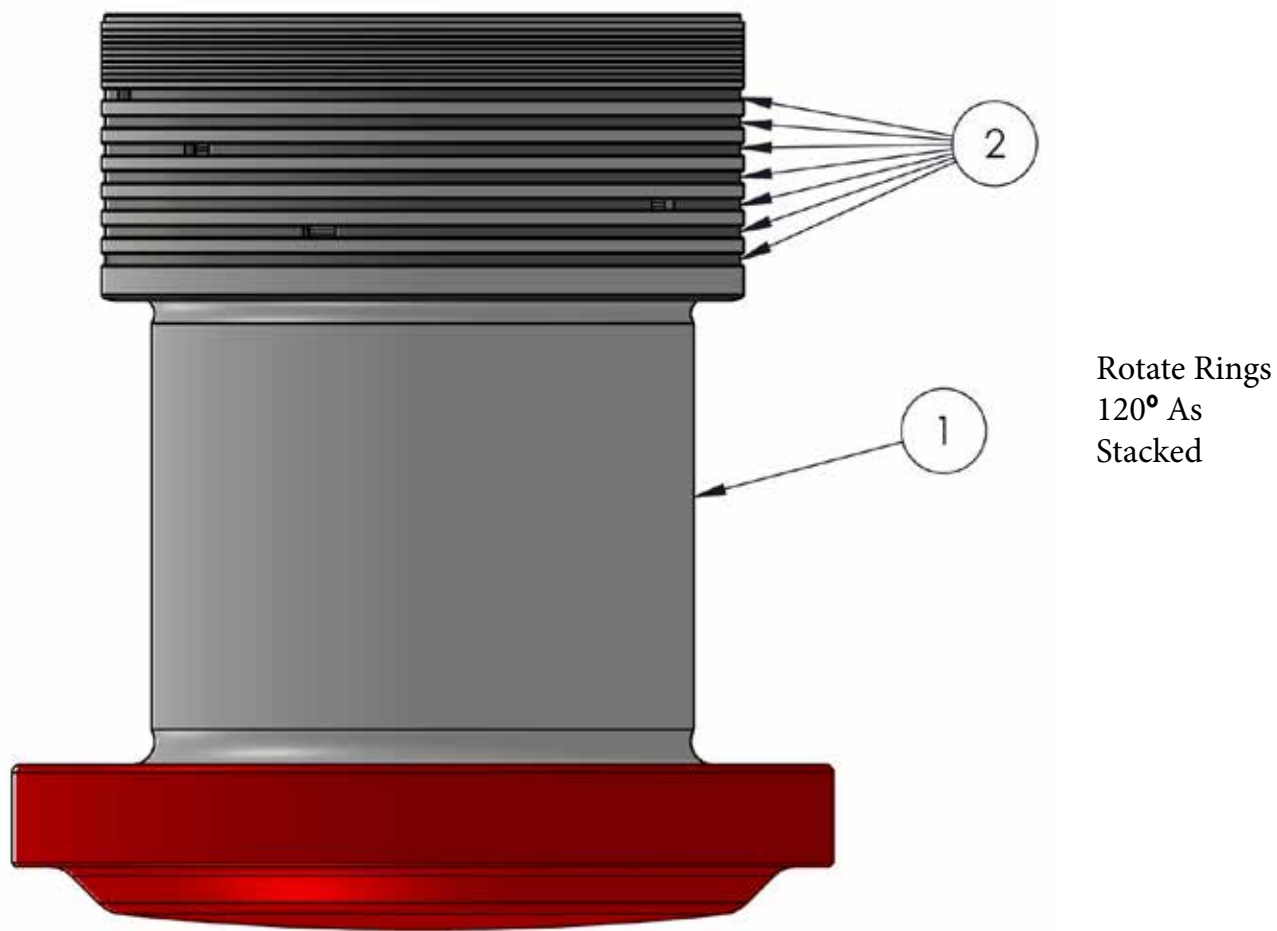
Diesel Pile Hammer **D180-32** *Parts Manual*



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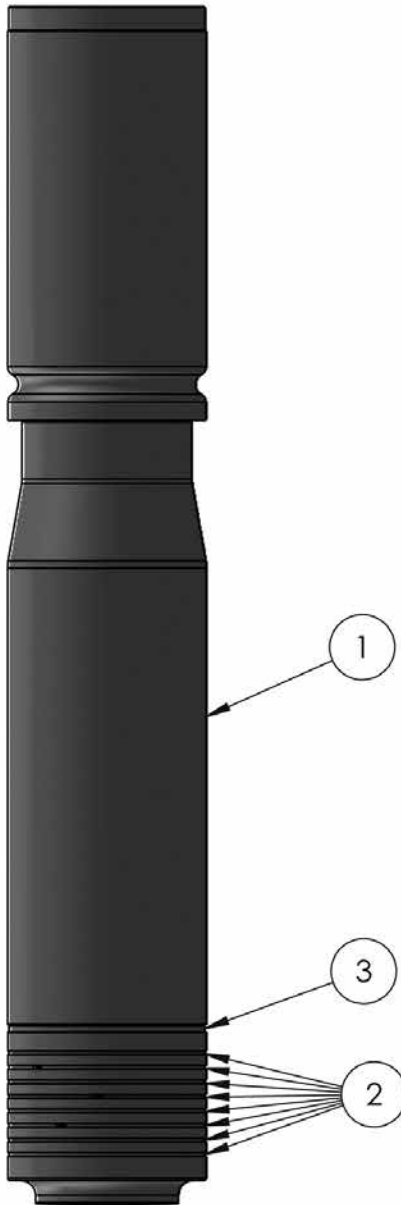
Impact Block Complete



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	220201	IMPACT BLOCK	1
2	220202	PISTON RING	7



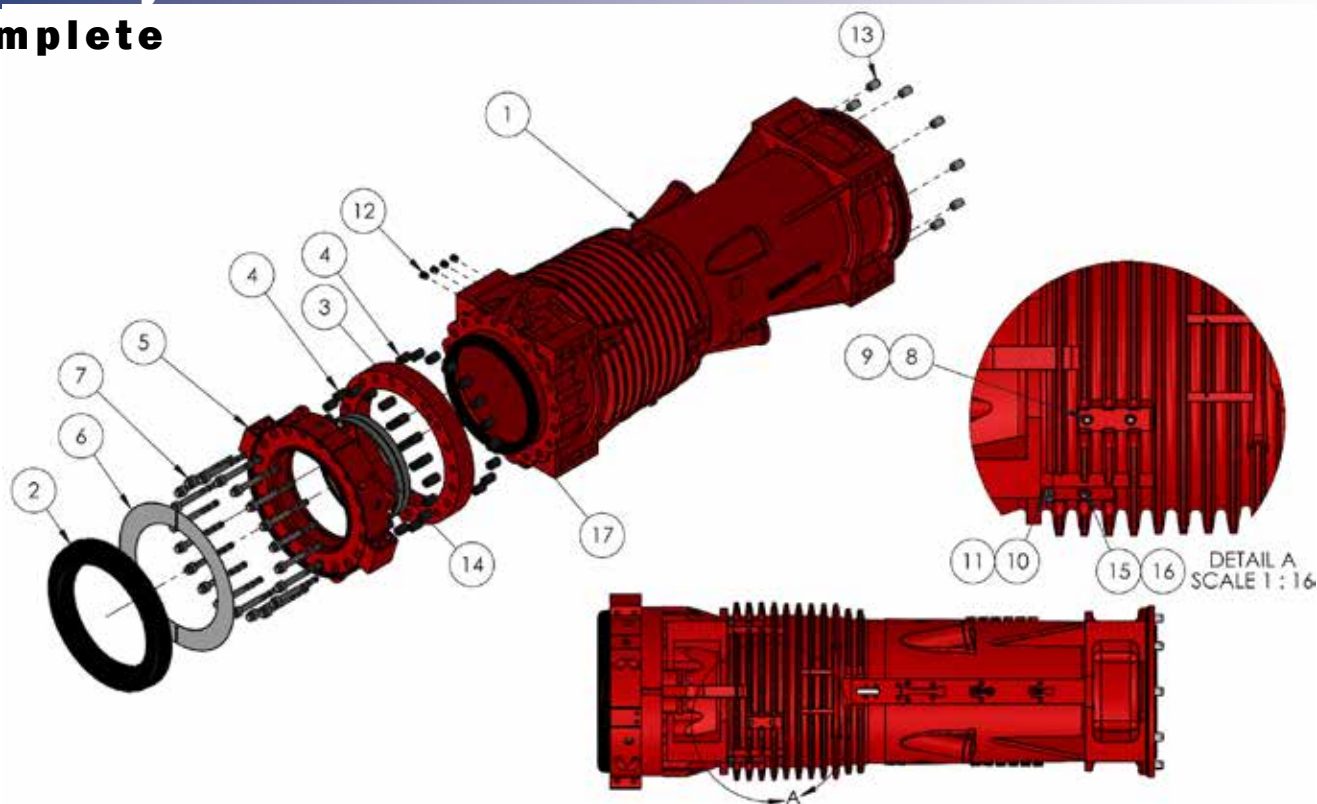
**Striking Weight (Piston)
Complete**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	220303	STRIKING WEIGHT(PISTON)	1
2	220202	PISTON RING	8
3	220304	CATCH PISTON RING	1

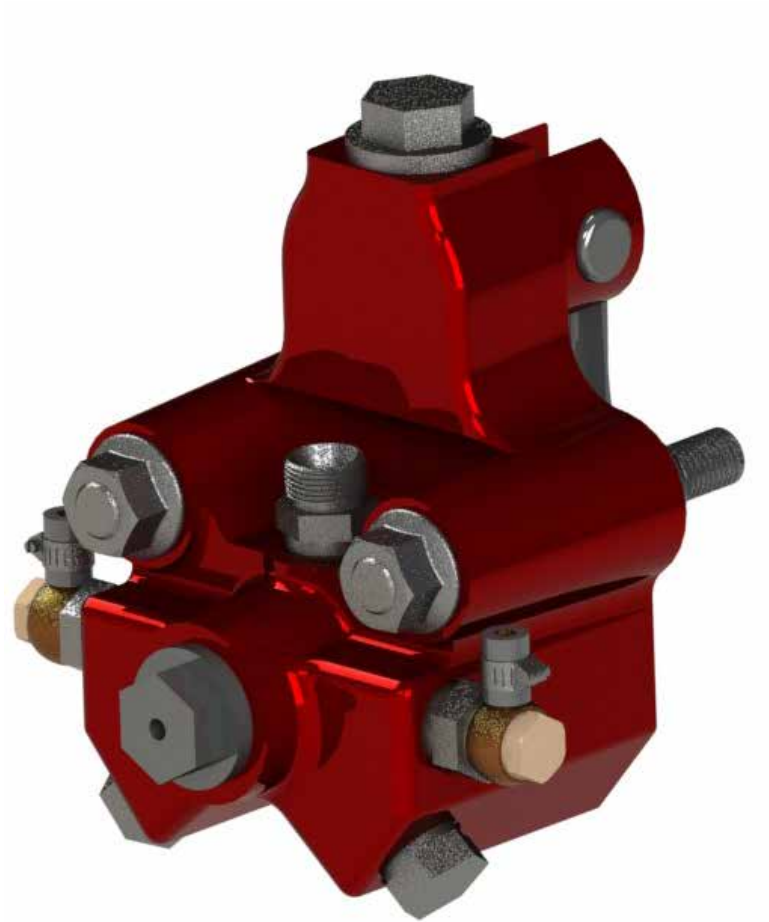
Rotate Rings
120° As
Stacked

Lower Cylinder Complete



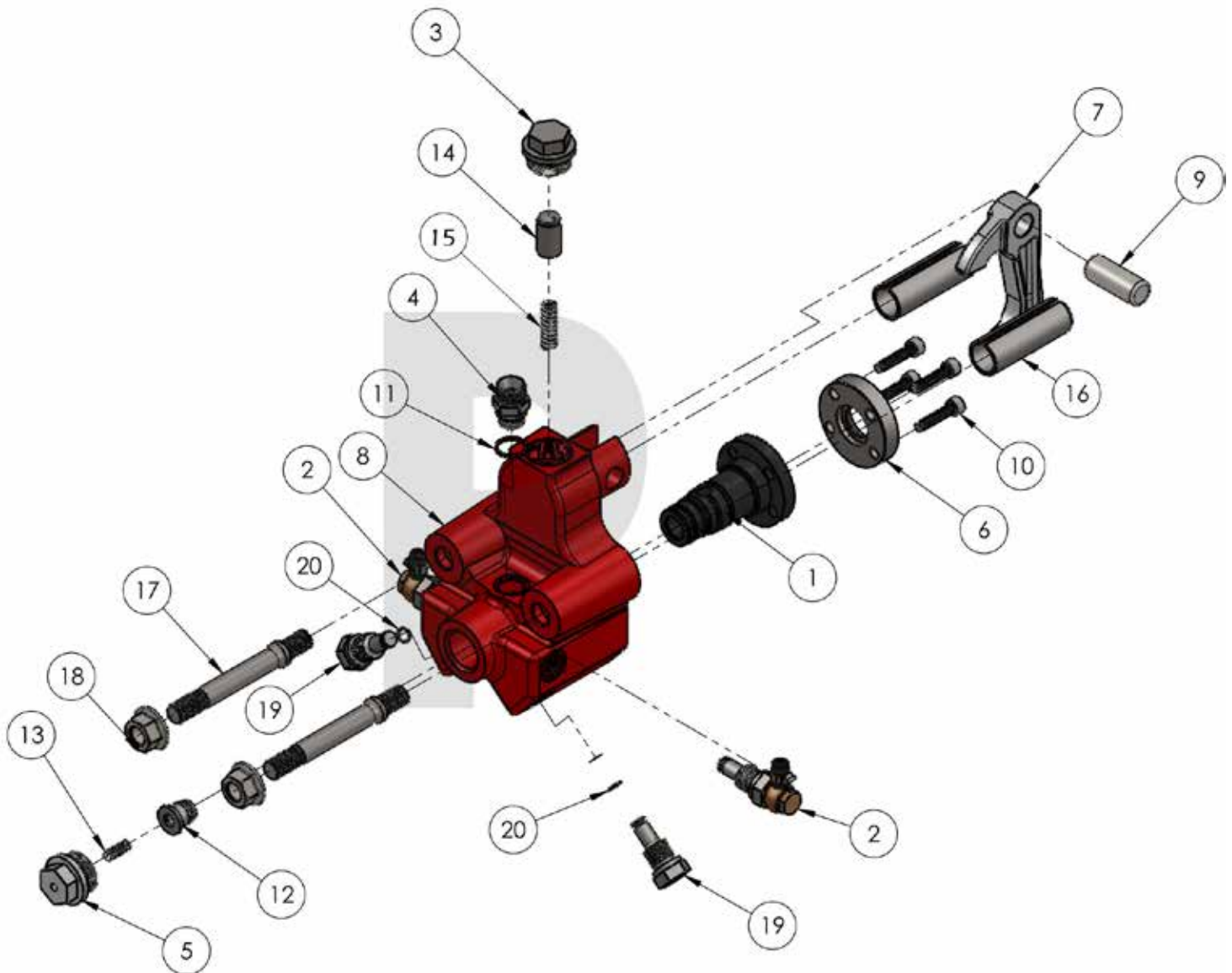
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	220103-180	LOWER CYLINDER PART D180	1
2	220102	RUBBER RING SET	1
3	220106	TRICK RING D180	1
4	98807	DOWEL PIN 55 X 90	40
5	220104	CYLINDER END RING D160/180	1
6	220108	SPACER PLATE	1
7	220107	M36 X 350 REDUCER SCREW	20
8	90002	SEALING RING 18 X 22	2
9	91460	PLUG SCREW M18 X 1.5	2
10	22592	REDUCER	8
11	90791	GREASE NIPPLE M10 X 1	8
12	93233	36M THREADED INSERT	32
13	94281	DOWEL PIN 50 X 80	10
14	220105	D160/D180 INNER END RING	1
15	92016	20MM X 1.5 PLUG SCREW	5
16	92031	SEALING RING A20 X 24	4
17	220002	INNER DAMPING RING	1

Lube Pump





**Lube Pump
Complete**

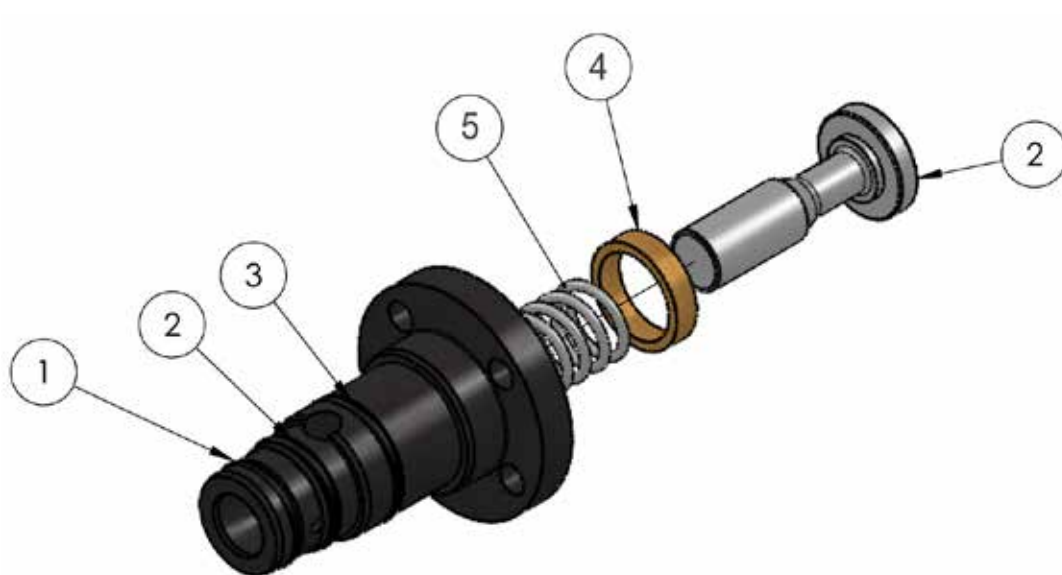


Continued.....

Lube Pump Complete

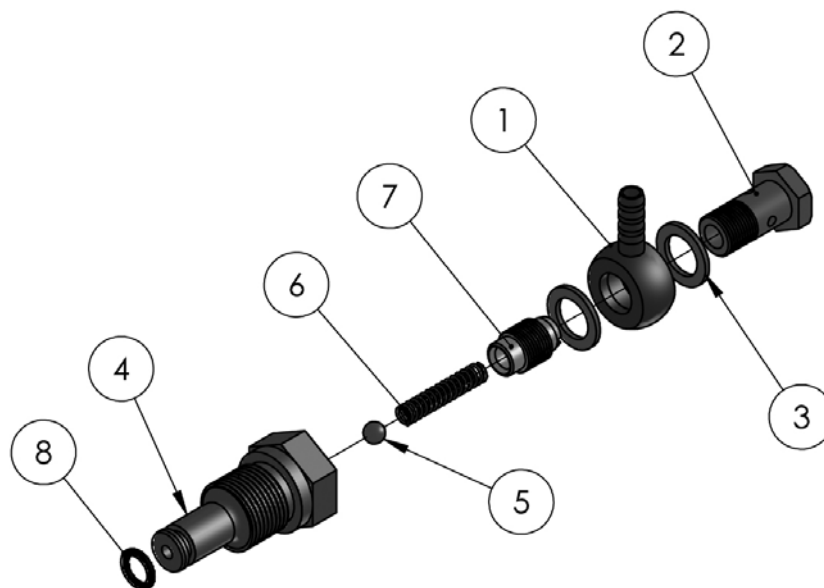
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	67279	CYLINDER COMPLETE	1
2	108317	PRESSURE VALVE COMPLETE	3
3	91976	PLUG SCREW	1
4	67290	ADAPTER	1
5	108328	PLUG SCREW	1
6	67282	WASHER	1
7	22081	LUBE PUMP LEVER	1
8	108315	LUBE PUMP BODY	1
9	22082	PUMP LEVER PIN	1
10	90937	M8 x 35 DIN 912 8.8	4
11	92031	SEALING RING A20 X 24	1
12	67284	PISTON COMPLETE	1
13	190479	PRESSURE SPRING 7.3 X 29.4 X 1.2	1
14	22090	SLEEVE	1
15	22089	PRESSURE SPRING 10 X 43 X 2	1
16	94315	DOWEL PIN 28 X 80 DIN 7346	2
17	20189	PUMP STUD M16	2
18	94722	M16 WASHER NUT	2
19	108316	PLUG SCREW	1
20	97855	O RING 8 X 2	1

**Cylinder
Complete**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	205020	O RING 24 X 3	1
2	91357	O RING 26 X 3	1
3	92952	O RING 30 X 3	1
4	67283	RING	1
5	97325	PRESSURE SPRING 22 X 52 X 2, 8	1

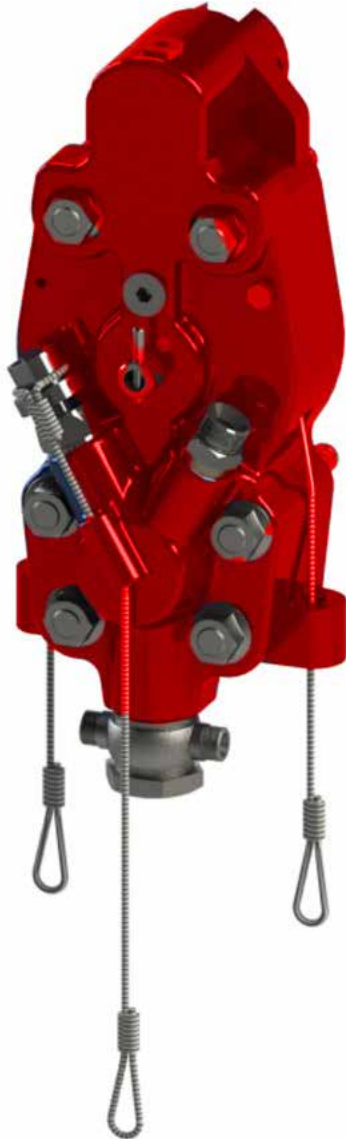
Pressure Valve Complete



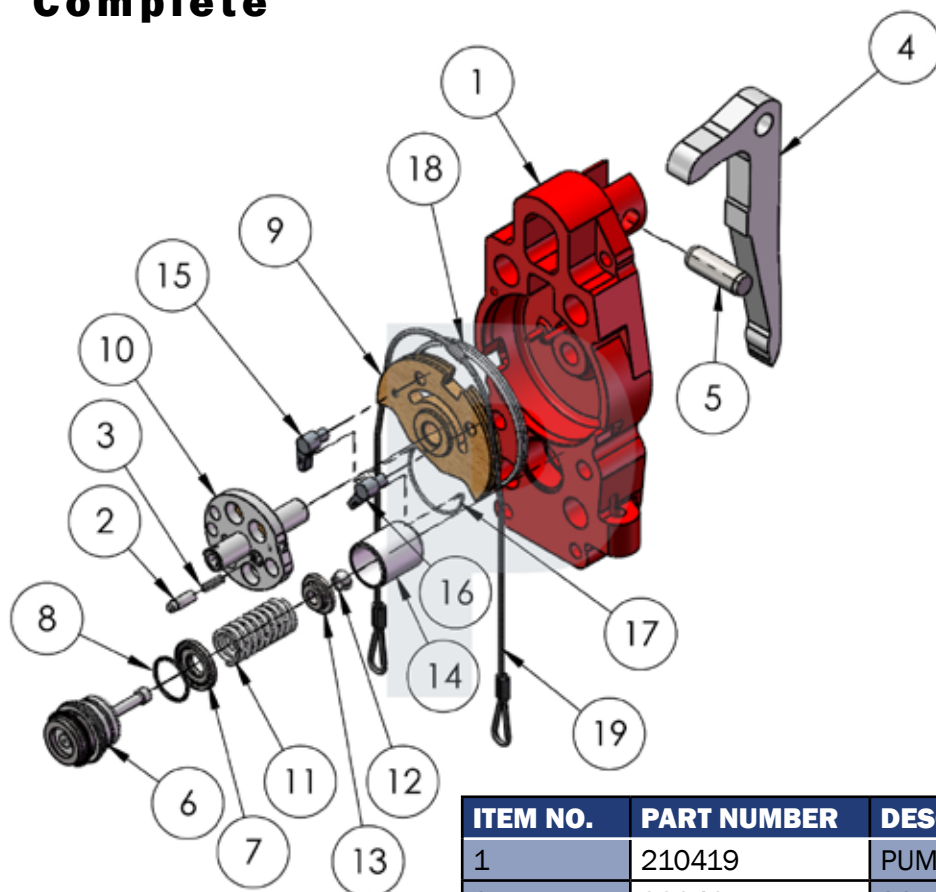
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	97949	RING NIPPLE	1
2	97948	HOLLOW SCREW A6 DIN 7623-6.8	1
3	91417	SEALING RING A12 X 15.5 DIN 7603-CU	2
4	108319	ADAPTER	1
5	90307	BALL 6MM DIN 5401	1
6	190005	PRESSURE SPRING 5 X 36 X 0.8	1
7	104679	PLUG SCREW	1
8	97855	8 X 2 O-RING	1

**SOLD
TOGETHER**

Manual Delivery Fuel Pump

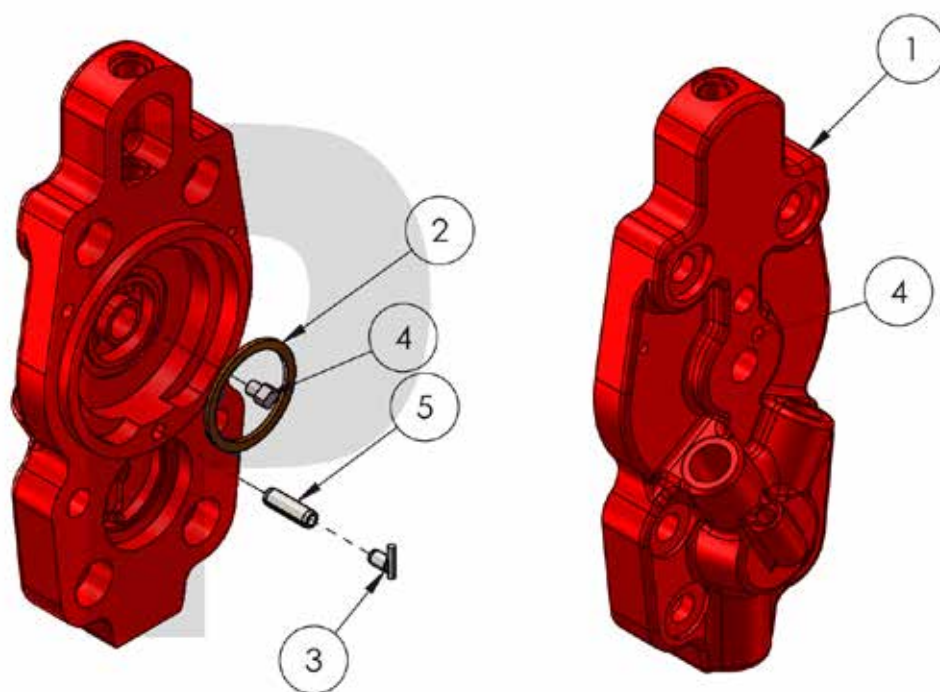


Manual Variable Delivery Fuel Pump Complete



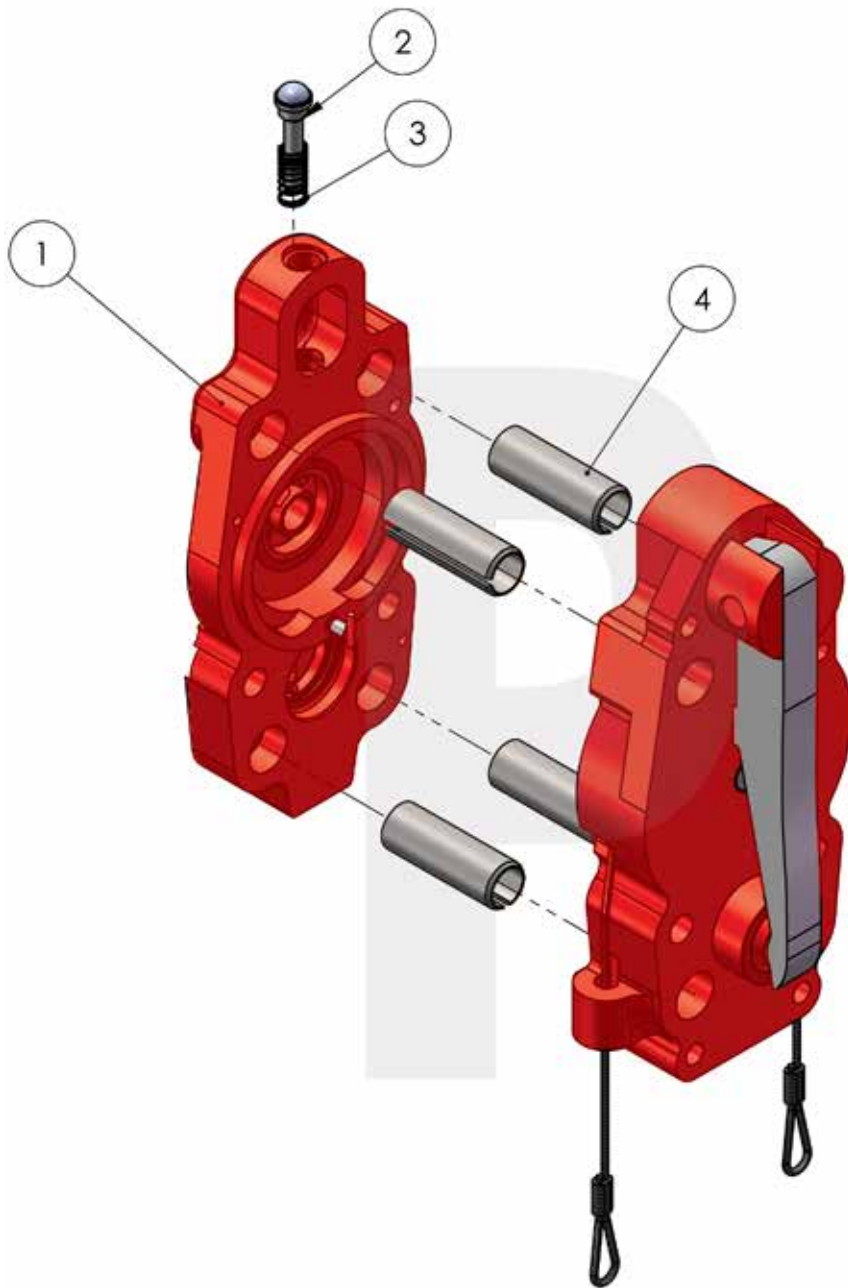
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210419	PUMP BODY	1
2	22049	SCREEN PIN	1
3	22044	PRESSURE SPRING 5.5 X 20 X 1.2	1
4	210409	PUMP LEVER	1
5	22043	PUMP LEVER PIN	1
6	220410	D180 PUMP ELEMENT COMPLETE 48MM	1
7	210411	HOLDER RING	1
8	210410	ROUND SEALING RING 48.7 X 2.65	1
9	22040	ROPE DISC	1
10	43308	SWITCH SHAFT	1
11	22060	PRESSURE SPRING 28 X 67.2 X 3.5	1
12	22059	CONICAL RING 2 PCS	1
13	22058	SPRING RETAINING COLLAR	1
14	43287	GUIDE SLEEVE	1
15	22051	CAM	1
16	22052	CAM	1
17	22245	SPRING	1
18	22062	SWIVEL SPRING	1
19	17546	REGULATION ROPE	1

Manual Variable Delivery Fuel Pump Cover Complete



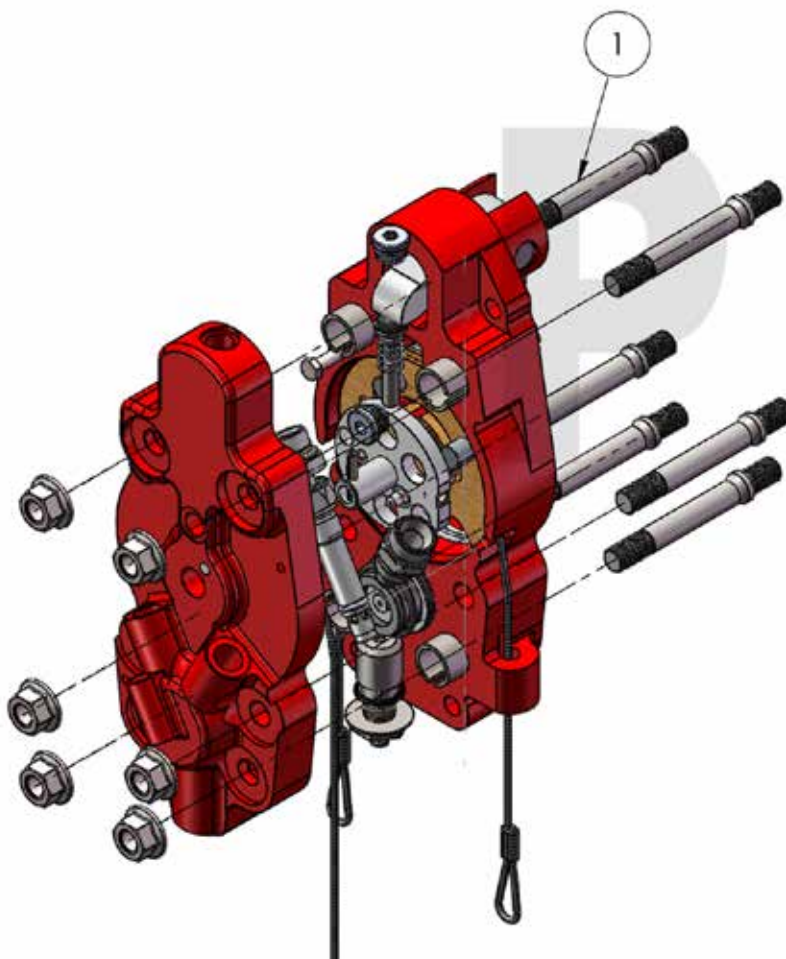
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210420	PUMP COVER	1
2	22050	RING	1
3	22796	STOP	1
4	43307	STOP PIN	1
5	90231	10MM X 32 ROLL PIN	1

Manual Variable Delivery Fuel Pump Complete

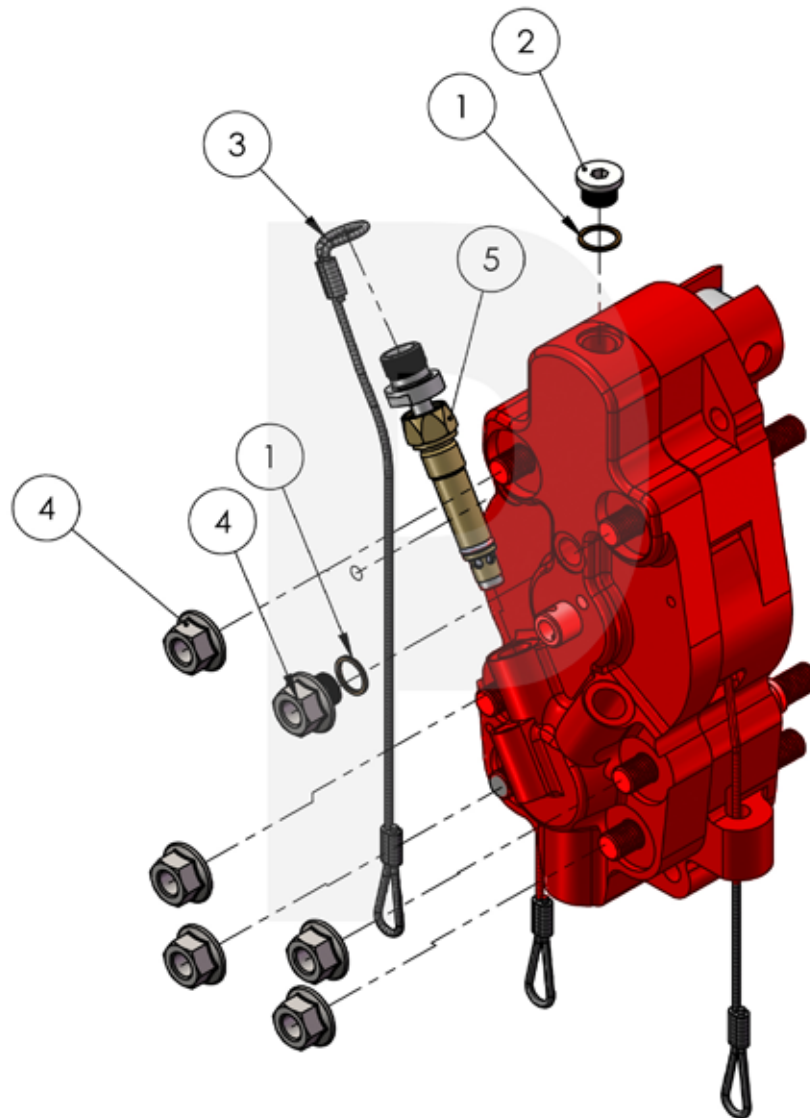


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210420	PUMP COVER complete	1
2	62125	PRESSURE PIECE	1
3	22046	PRESSURE SPRING	1
4	94315	DOWEL PIN 28 X 80	4

Manual Variable Delivery Fuel Pump Complete

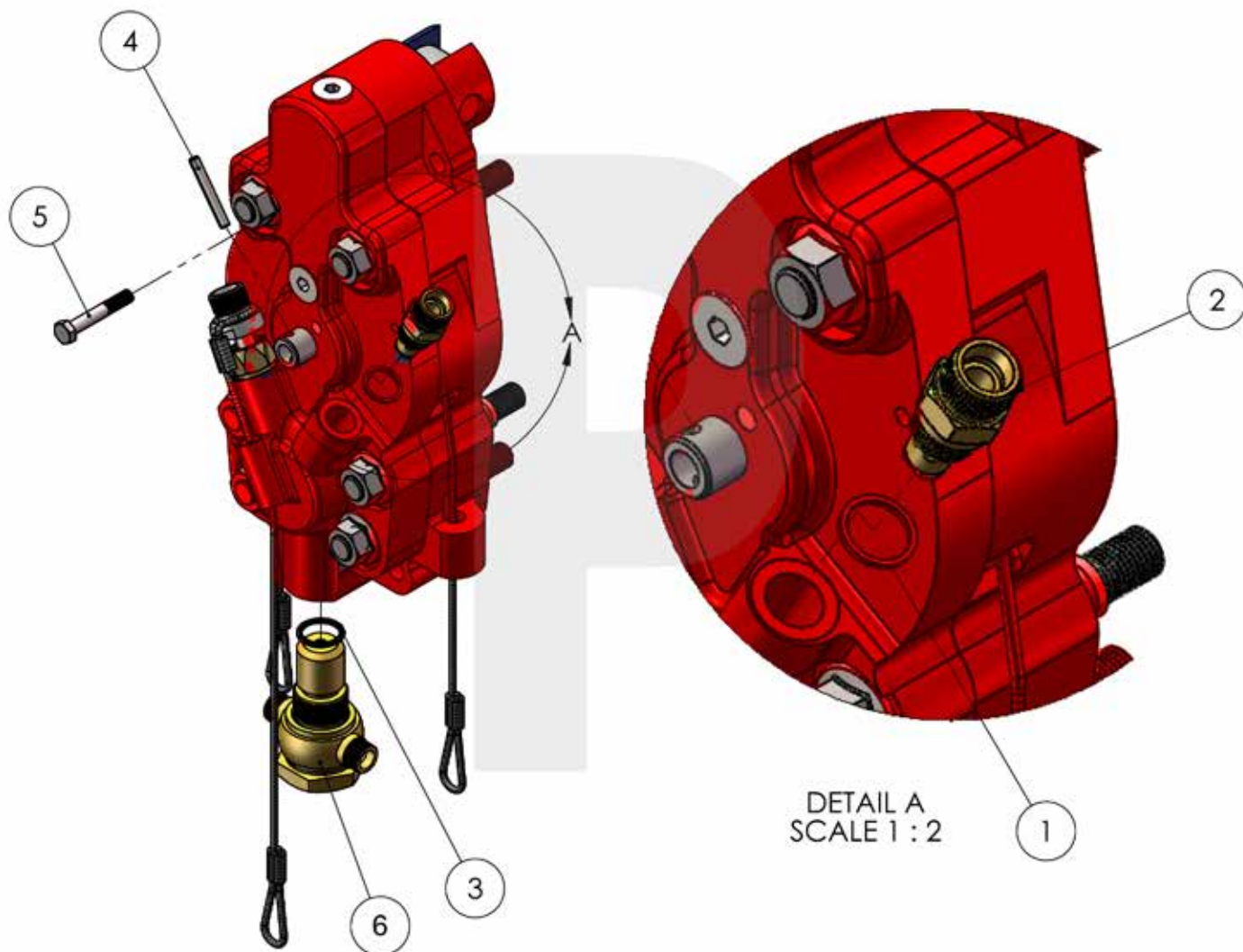


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	20189	PUMP STUD M16	6

**Manual Variable Delivery Fuel Pump
Complete**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	90002	SEALING RING A18 X 22	2
2	93055	PLUG SCREW M18 X 1.5	2
3	17546	REGULATING ROPE	1
4	94722	M16 WASHER NUT	6
5	210422	STOP VALVE COMPLETE	1

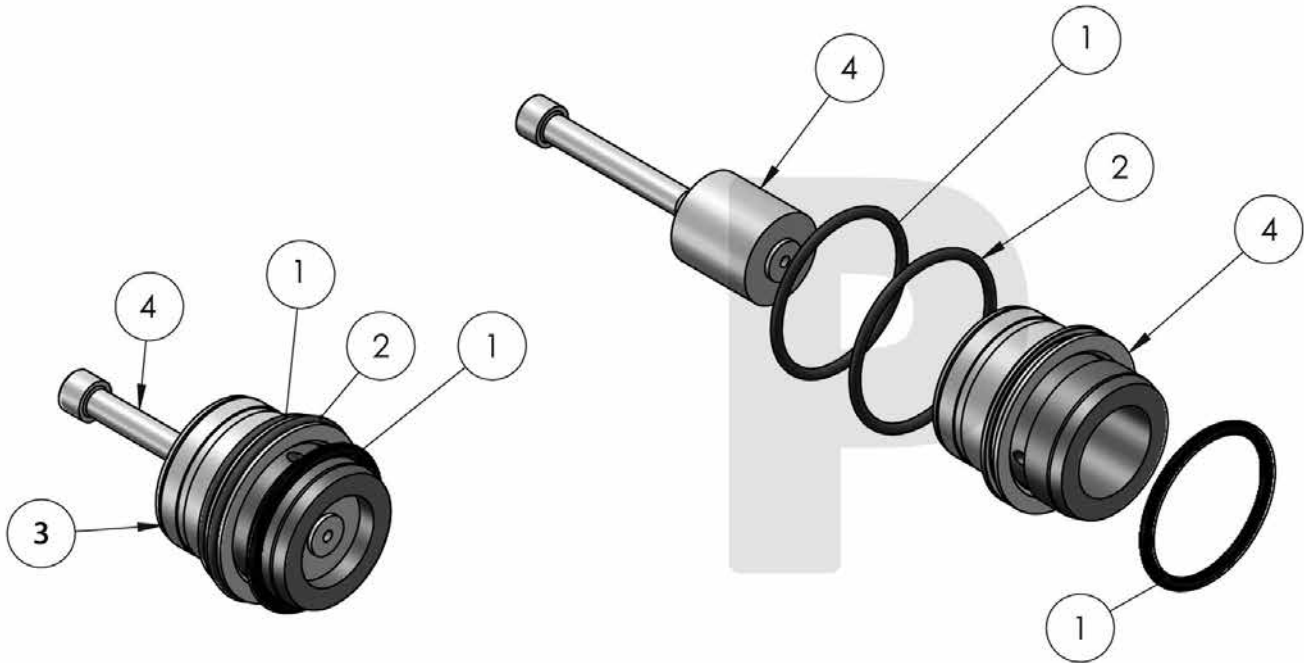
Manual Variable Delivery Fuel Pump Complete



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210412	SEALING RING A25 X 30	1
2	210421	SUCTION VALVE complete	1
3	91296	O-RING 22 X 3	1
4	90150	DOWEL PIN 6 X 40	1
5	93456	LOCKING SCREW M8 X 50	1
6	60827	CHECK NON-RETURN VAVLE COMPLETE	1

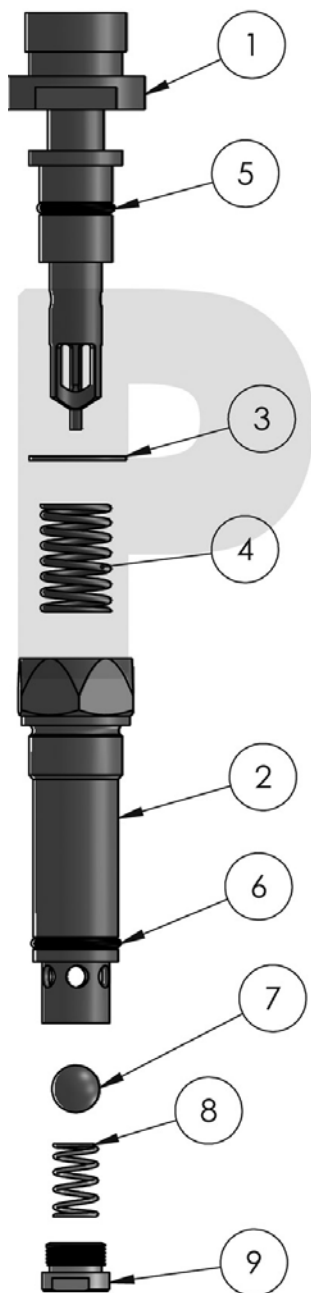


**48MM Pump Element
Complete**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210416	ROUND SEALING RING 56 X 2.65	2
2	210417	ROUND SEALING RING 60 X 2.65	1
3 not sold seperately	220410	48MM ELEMENT BODY	1
4 not sold seperately	220410	48MM ELEMENT PLUNGER	1

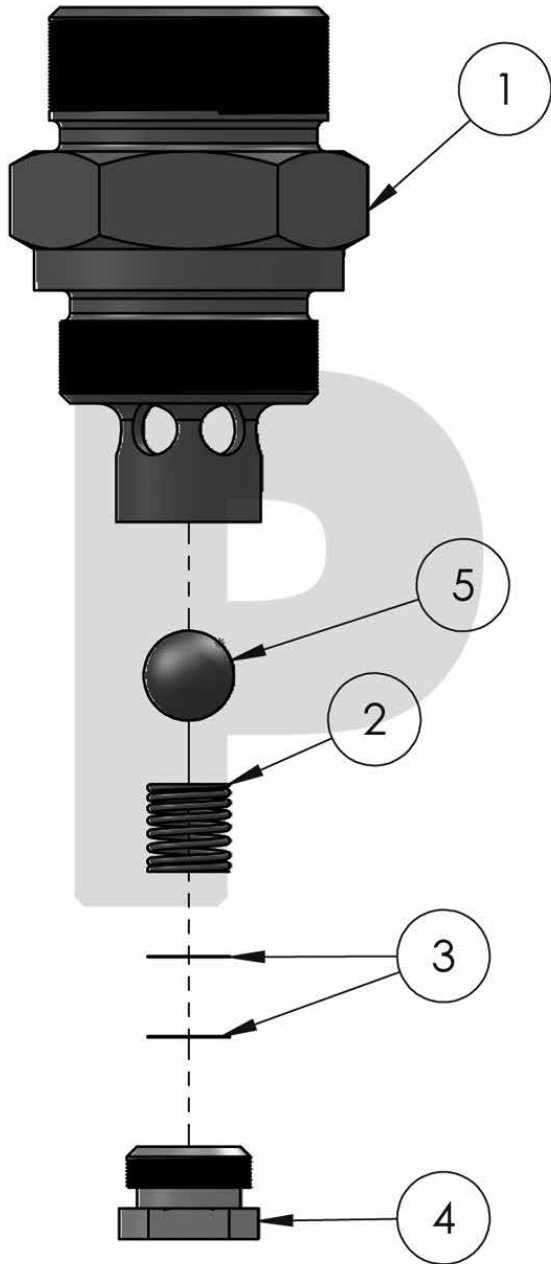
Stop Valve Complete



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210423	VALVE PISTON	1
2	210429	VALVE SCREW	1
3	210430	25 X 1.2 CIRCLIP	1
4	210424	PRESSURE SPRING 18.8 X 2 X 30	1
5	210428	O RING 15 X 2.65	1
6	210425	O RING 18 X 2.65	1
7	210431	12.7MM BALL BEARING	1
8	210427	PRESSURE SPRING 12 X 1.2 X 19.5	1
9	210426	THREADED PLUG	1

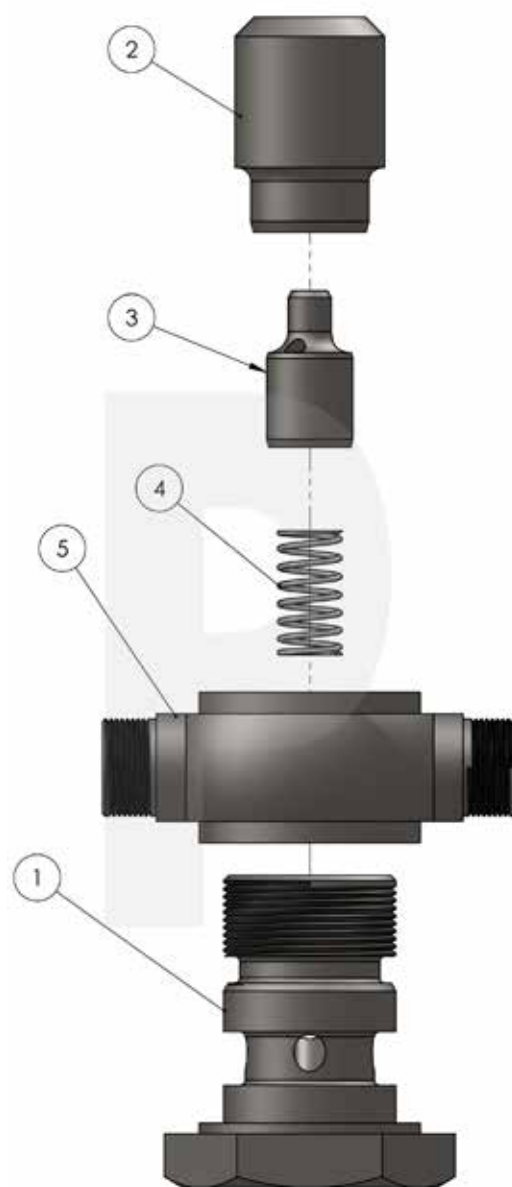


**Suction Valve
Complete**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	210432	SLEEVE	1
2	22022	PRESSURE SPRING 7.3 X 8 X 0.7	1
3	22023	WASHER	2
4	41862	THREADED PLUG	1
5	98511	BALL 8.731MM	1

Check Non-Return Valve Complete



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	60194	HOLLOW SCREW	1
2	43297	HOUSING	1
3	43299	VALVE PISTION	1
4	22034	PRESSURE SPRING	1
5	60195	RING NIPPLE	1



PILECO INC.

Hydraulic Variable Delivery Fuel Pump Complete

coming soon



PILECO INC.

Hydraulic Variable Delivery Fuel Pump Complete

coming soon



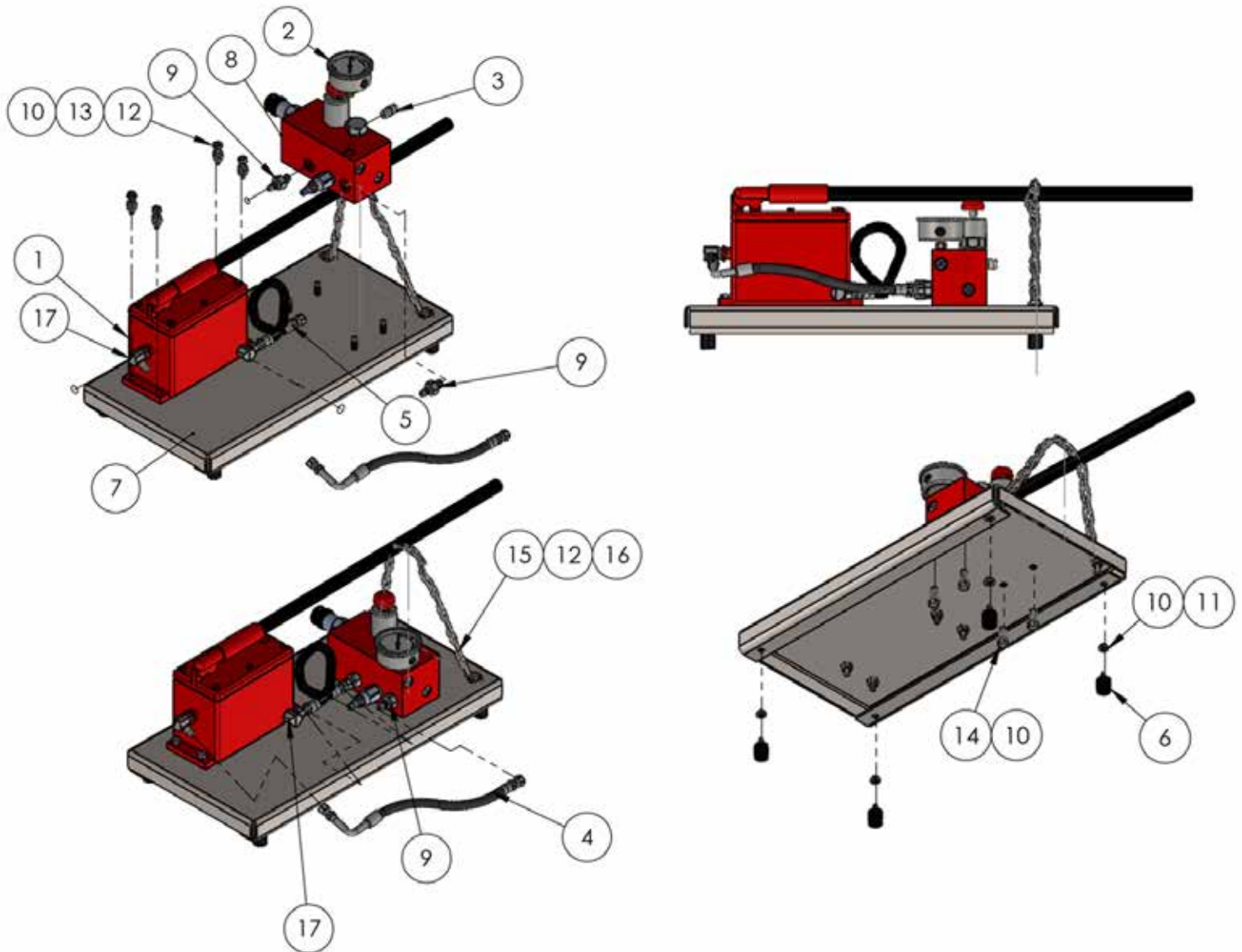
PILECO INC.

Fuel Pump Control Complete

coming soon



Hydraulic Hand Pump Assembly



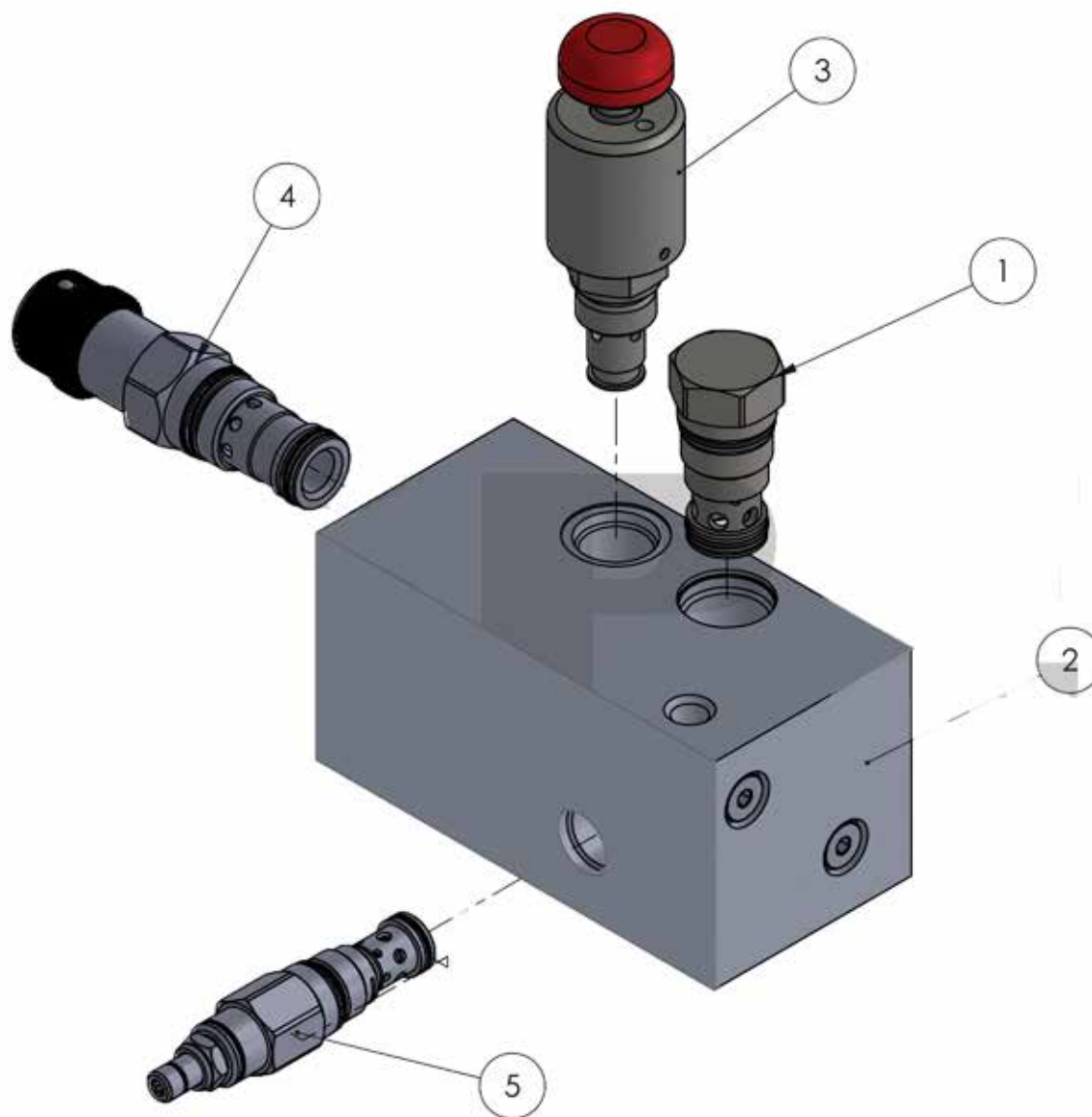
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Hydraulic Hand Pump Assembly

Hydraulic Hand Pump Continued....

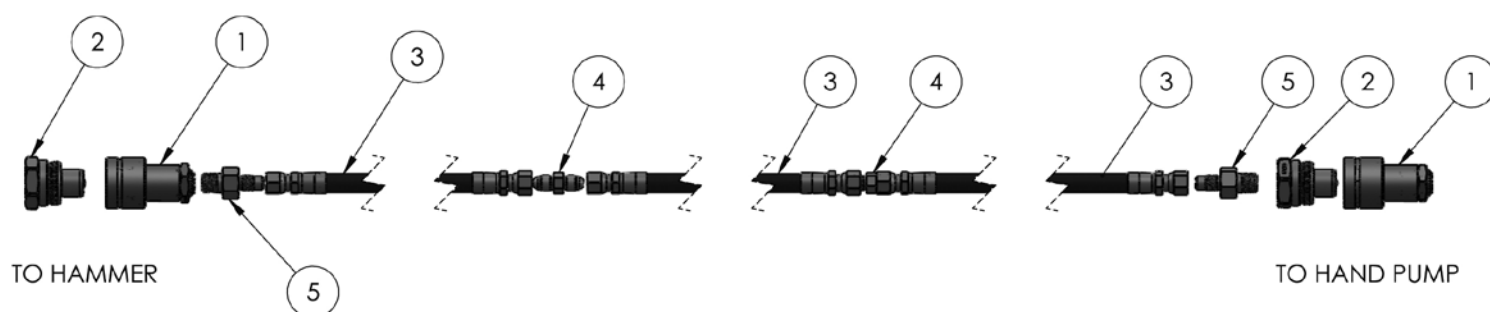
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55107	P-51 ENERPAC PUMP	1
2	55120	G25-SL600-CB SS PRESSURE GAUGE	1
3	55121	4SAE MALE TO 1/4 NPT MALE ADAPTER	1
4	55104	1/4 JIC FEMALE SWIVEL FITTING TO 1/4 JIC FEMALE SWIVEL 1/4 PRESSURE HOSE	1
5	55109	1/4 JIC FEMALE SWIVEL FITTING TO 1/4 JIC FEMALE SWIVEL HOSE TO TANK	1
6	55122	RUBBER FOOT 1" X 1" - 5/16-18 X 3/4 BOLT	4
7	55105	PLATE	1
8	55103	MANIFOLD COMPLETE	1
9	55123	4 SAE MALE TO 1/4 JIC MALE STRAIGHT ADAPTER	2
10	8001049	5/16 SPLIT LOCK WASHER	17
11	55125	M6-1.0 JAM NUT	4
12	8001050	5/16-18 X 1 1/4 HEX HEAD CAP SCREW	6
13	1137184	10MM-1.5 NYLON INSERT LOCKNUT	6
14	8005969	5/16-18 X 1 HEX HEAD CAP SCREW GR 5	4
15	55108	CHAIN LINK #2/0 X 16"	1
16	8005970	5/16 FLAT WASHER	2
17	8005975	1/4 MALE JIC TO 1/4" FEMALE NPT FITTING	2

Manifold Complete



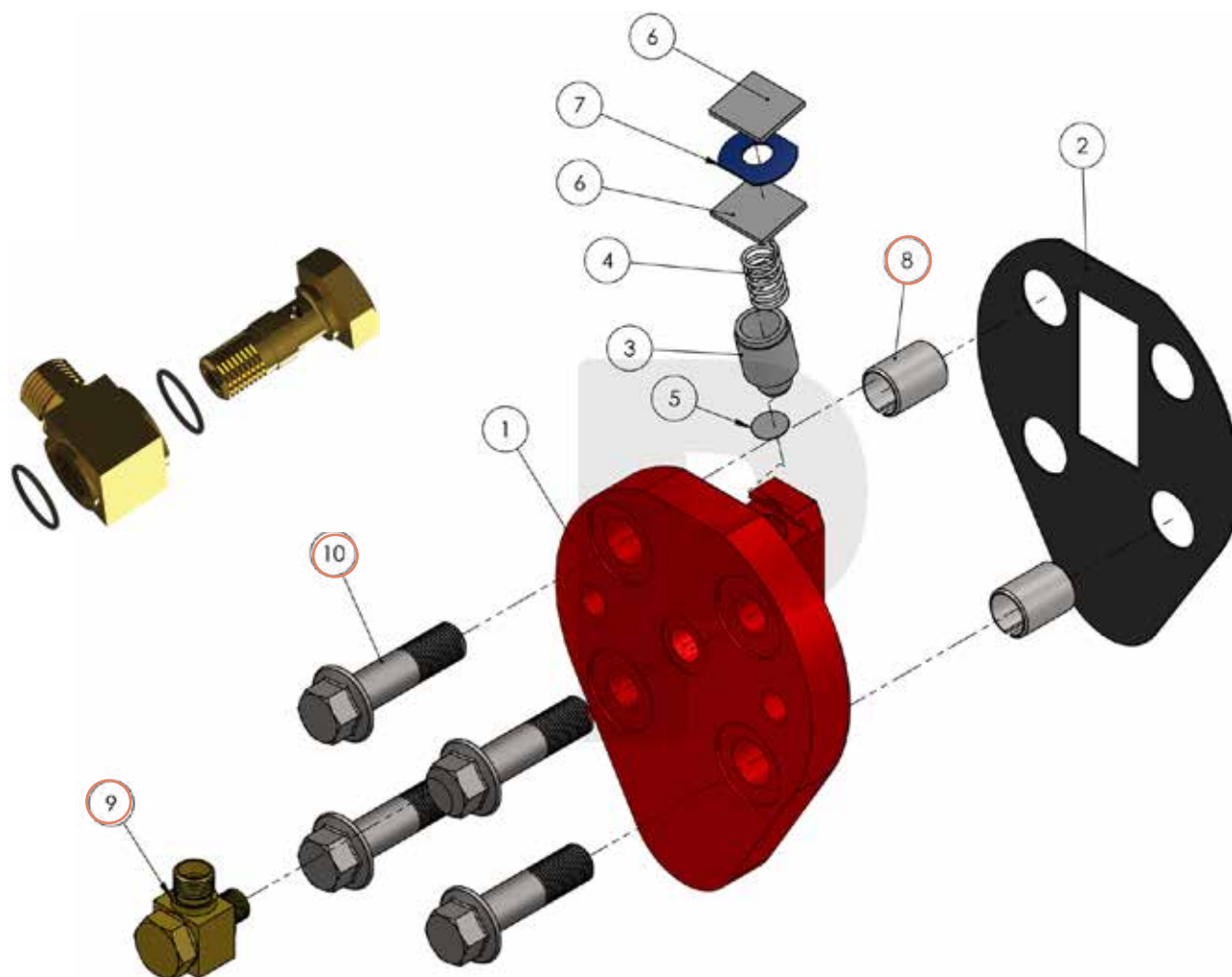
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55110	CXFA-XCN DIRECTION CHECK	1
2	55106	MANIFOLD	1
3	55111	DOERING DUMP VALVE	1
4	55112	NEEDLE VALVE	1
5	55113	RELIEF VALVE	1

HAND PUMP 1/4" HOSE ASSEMBLY **150FT IN 50FT SECTIONS**



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	55133	1/4" COUPLER NPFT SCREW TYPE QUICK DISCONNECT FEMALE	2
2	55134	1/4" 3000 SERIES NIPPLE NPFT SCREW TYPE QUICK DISCONNECT MALE	2
3	8000440	4 FEMALE JIC TO 4 FEMALE JIC 1/4 HOSE 50FT	3
4	55137	4 JIC MALE TO 4 JIC MALE STRAIGHT ADAPTER	2
5	8001067	1/4 NPT MALE TO 1/4 JIC MALE STRAIGHT ADAPTER	2

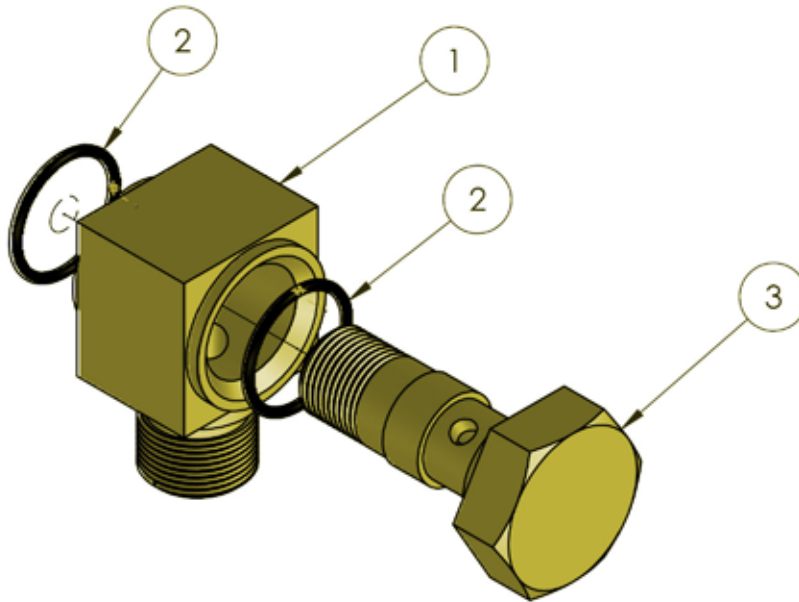
Fuel Injection Device Complete



TEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	102133	INJECTION PLATE 20°	1
2	45647	GASKET	1
3	63843	VALVE PISTION	1
4	97569	PRESSURE SPRING	1
5	97573	ADJUSTING WASHER	1
6	64460	LOCKING PLATE	2
7	64461	SPRING WASHER	1
8 sold separately	95633	DOWEL PIN 21 X 28 DIN 7346	2
9 sold separately	97038	THREADED PIPE JOINT (UNION)	1
10 sold separately	95639	LOCKING SCREW M16 X 45	4



Threaded Pipe Joint Complete



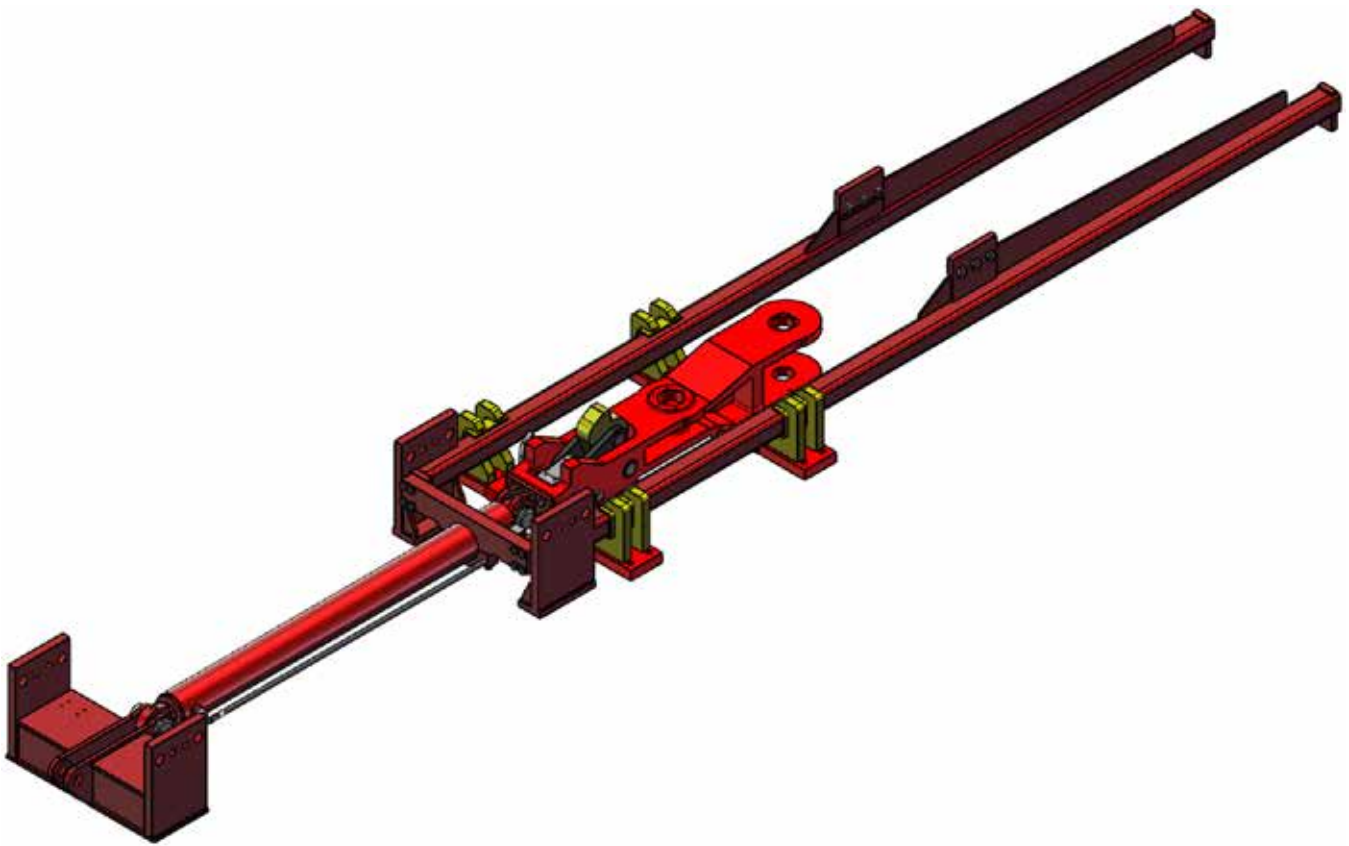
NOTE: ITEM SHOULD BE REPLACED WITH
NEW PIPE JOINT COMPLETE WHEN
REMOVED FOR SERVICING

#1 SOLD COMPLETE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	97038	THREADED PIPE JOINT	1
2	97258	O RING 17 X 1.5	2
3	210405	HOLLOW SCREW	1
4	90127	OLIVE	1
5	204012	UNION NUT M16X1.5	1

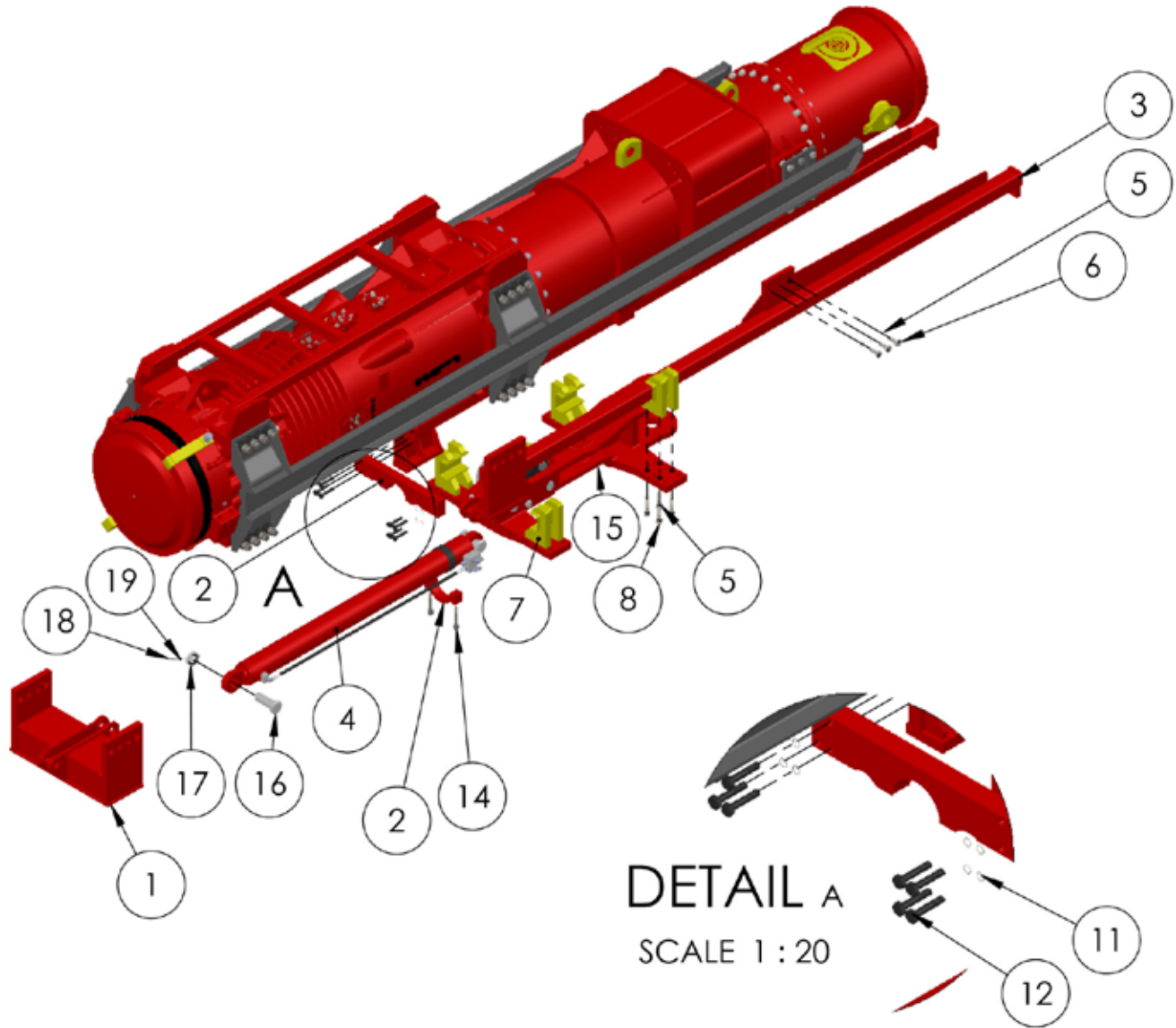
**Sold with
but not
needed in
this model.**

Hydraulic Push Start





Hydraulic Push Start Complete



continued.....

Hydraulic Push Start Complete

...continued from above

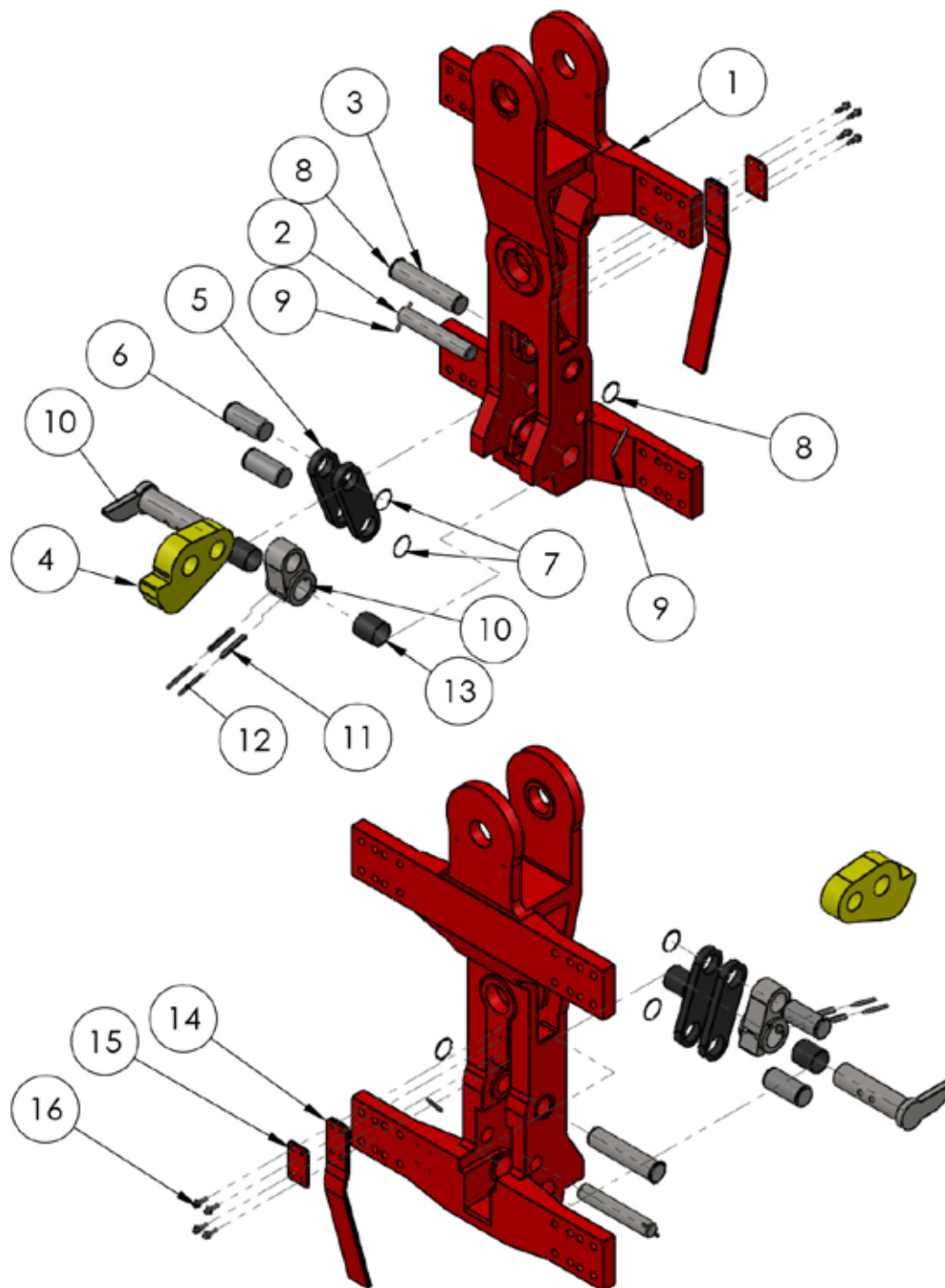
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	221309	D160/180 HYDRAULIC START LOWER BRACKET	1
2	221305	BRACKET, MIDDLE FOR D160/D180 HYD. CYLINDER	1
3	221301	D160/180 START GUIDES FOR HYDRAULIC START	1
4	211330	HYDRAULIC PUSH START CYLINDER COMPLETE	1
5	207103	30MM SCHNORR SAFETY WASHER	22
6	207102	30MM-3.5 X 80MM HEX HEAD CAPSCREW	6
7	221302	GUIDE GIB D160/D180	4
8	221303	30MM X 120 SOCKET HEAD CAP SCREW 12.9	16
9	220900	D160/180 TRIP GEAR COMPLETE	1
10	221304	BRACKET, UPPER FOR D160/D180 HYD. CYLINDER	1
11	203131	24MM SCHNORR SAFETY WASHER	12
12	261417	24MM-3.0 X 70 HEX HEAD CAPSCREW	4
13	91929	M24 X 120 HEX HEAD CAPSCREW	8
14	20174	24MM X 165 REDUCER SCREW 12.9	2
15	220900-H	D160/180 HYDRAULIC TRIP ASSEMBLY	1
16	8001461	HYDRAULIC START PIN D125-180	2
17	8001414	HYDRAULIC START LOCKING RING D125-D280	2
18	211350	13MM X 100 DOWEL PIN (SPLIT)	2
19	211351	8MM X 100 DOWEL PIN (SPLIT)	2

Hydraulic Starting Device (Trip)





Hydraulic Starting Device (Trip) Assembly

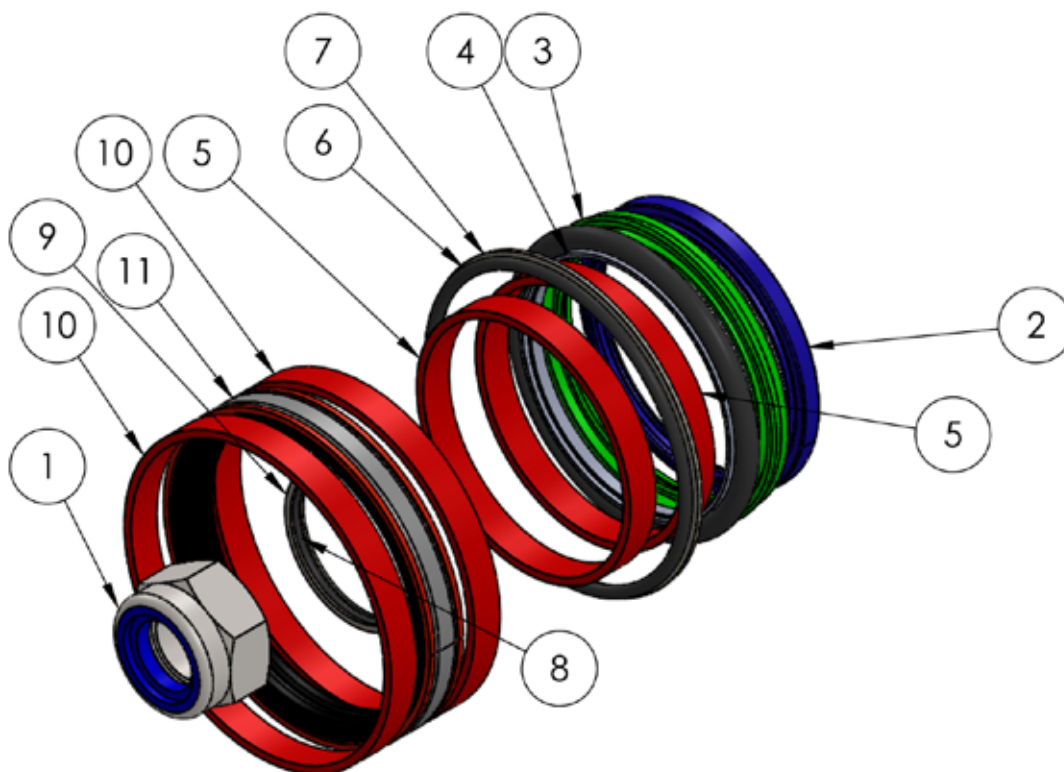


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**Hydraulic Starting Device (Trip)
Assembly**

Continued from pg. before

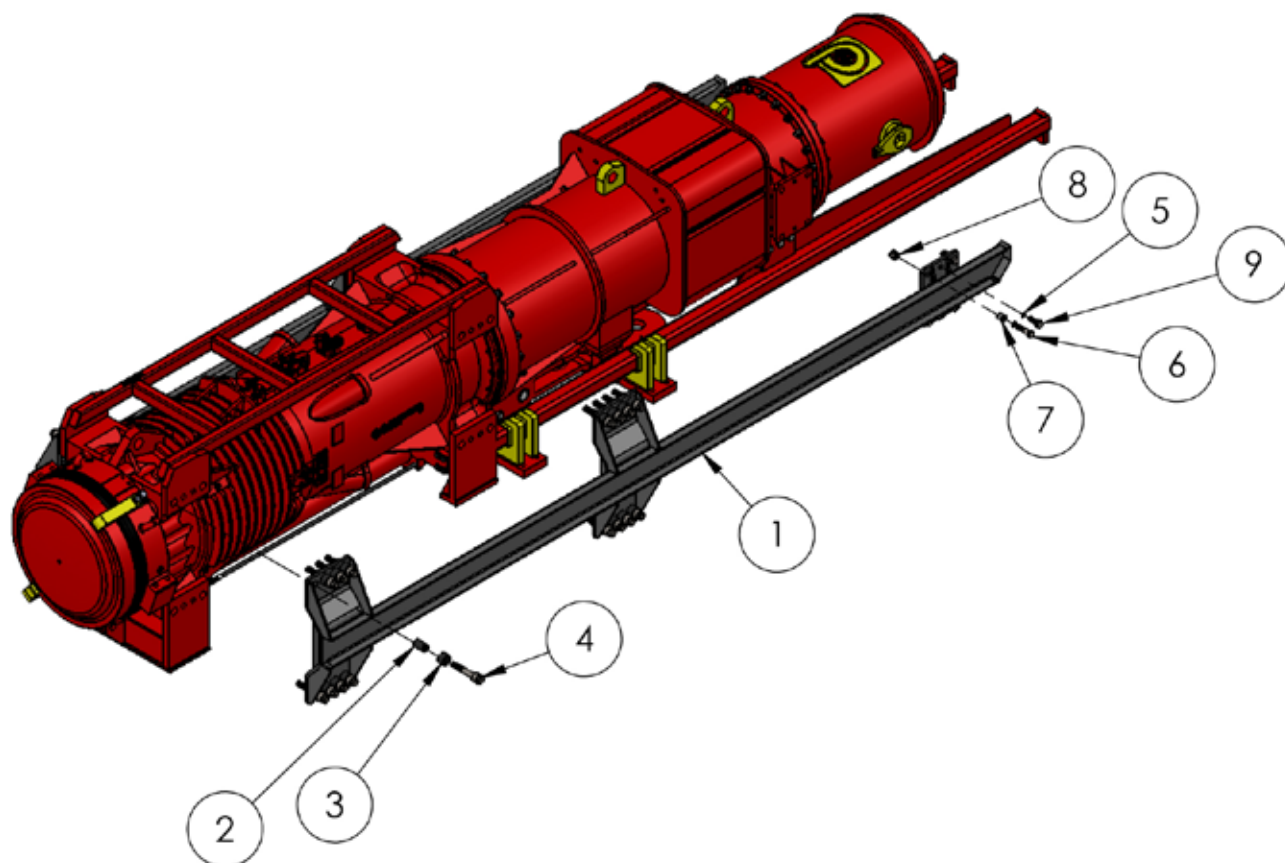
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	220912	GUIDE BODY	1
2	220909	JOINT BOLT	1
3	220908	SHAFT	1
4	220905	PAWL	1
5	220906	SHACKLE	2
6	220911	SHAFT	2
7	220915	CIRCLIP 80 X 2.5	4
8	220922	CIRCLIP 75×2.5	2
9	220910	10MM X 120 ROLL PIN	2
10	220918	D160/D180 HYDRAULIC TRIP ASSEMBLY	1
11	220920	20MM X 130 ROLL(DOWEL) PIN	2
12	220921	12MM X 130 ROLL(DOWEL) PIN	2
13	220913	SLEEVE	2
14	220903	LEAF SPRING	2
15	220904	PLATE	1
16	220930	SERRATED HEX FLANGE LOCKING SCREW 16-2.0MM X 45	4

**D180 Hydraulic Start Cylinder
Ring Kit**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	201104	20MM X 2.5 NYLON INSERT LOCK NUT	1
2	211337	WIPER SEAL	1
3	211338	ROD SEAL	1
4	211339	ROD SEAL	1
5	211340	WEAR RING	2
6	211341	165 X 5.7 O-RING	1
7	211342	166 X 156-2 BACKING RING	1
8	211343	2-230 63.09 X 3.53 O-RING	1
9	211344	65 X 70.5-1.5 BACKING RING	2
10	211345	165 X 160-1.5 GUIDING RING	2
11	211346	165 X 142 X 16 DOUBLE ACTING PISTON SEAL	1

Guides



**D180 U-48 X 8 LEAD GUIDING
Assembly**

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	221207	U-48 GUIDING SET	1
2	211308	55MM X 95 DOWEL PIN	32
3	211309	SPACER CUP	32
4	20038	HEX BOLT M36 X 210	32
5	207103	30MM SCHNORR SAFETY WASHER	12
6	221201	30MM-3.5 X 110 HEX HEAD CAP SCREW 10.9	8
7	221203	DOWEL SLEEVE	8
8	221204	30-3.5 NYLON INSERT LOCKNUT 8	
9	211201	M30 X 80 HEX HEAD CAPSCREW	4