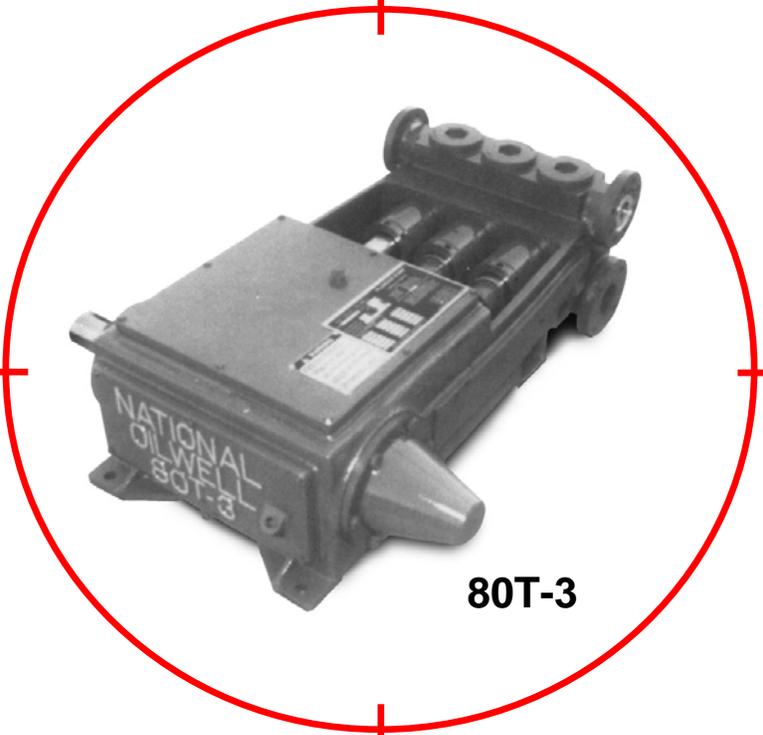
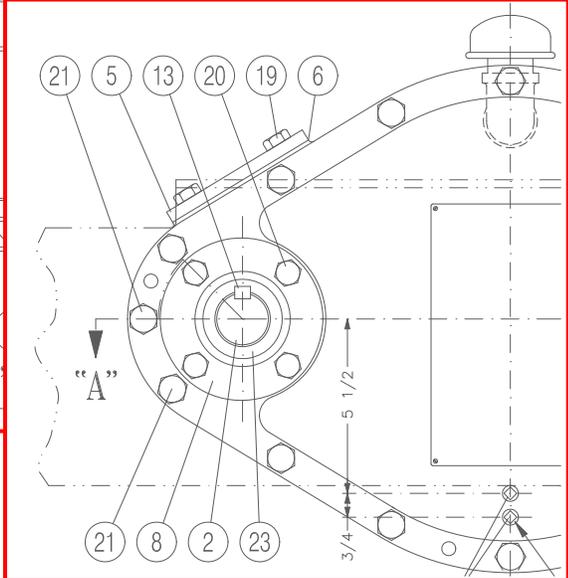
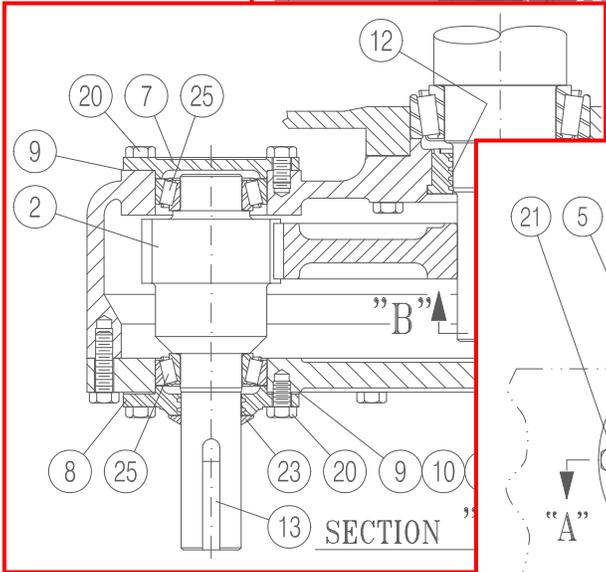
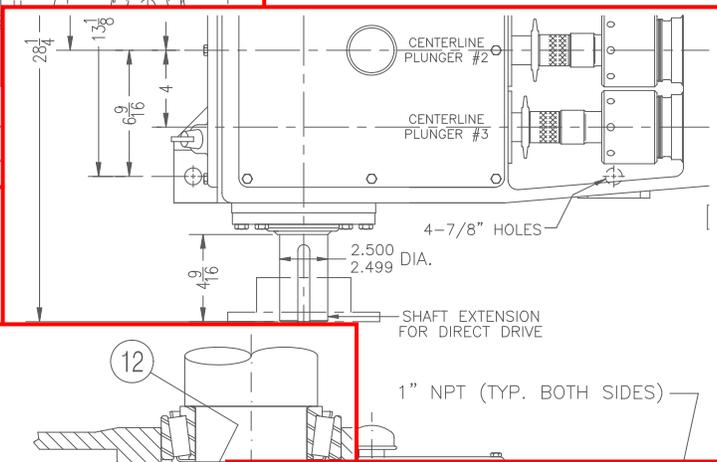
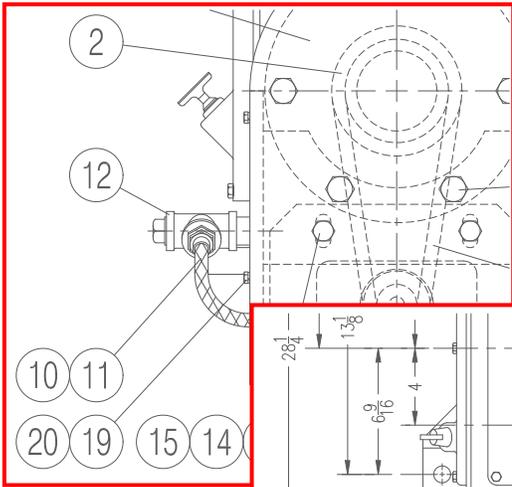


80T-3 Triplex Plunger Pump

Parts List

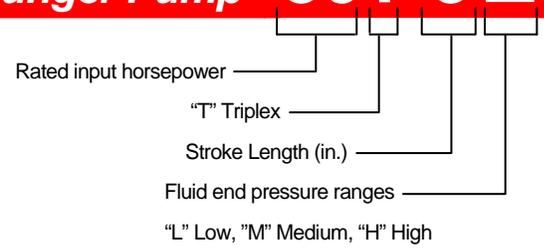
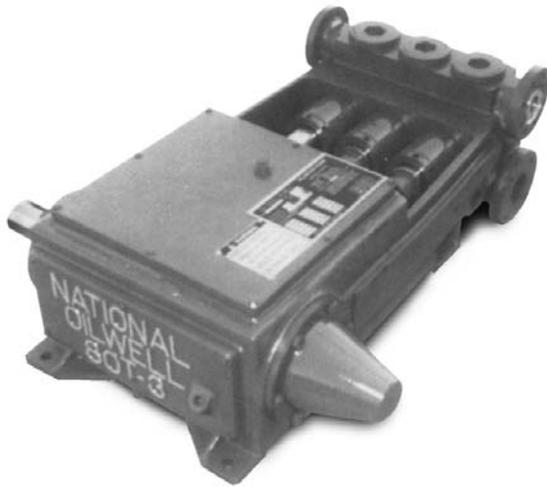


80T-3



Types:
80T-3L
80T-3M
80T-3H

Sales / Technical Information
USA Tollfree: 1 (800) 324-4706
Phone: 1 (918) 447-4600
Fax: 1 (918) 447-4677
Internet: <http://www.nov.com>

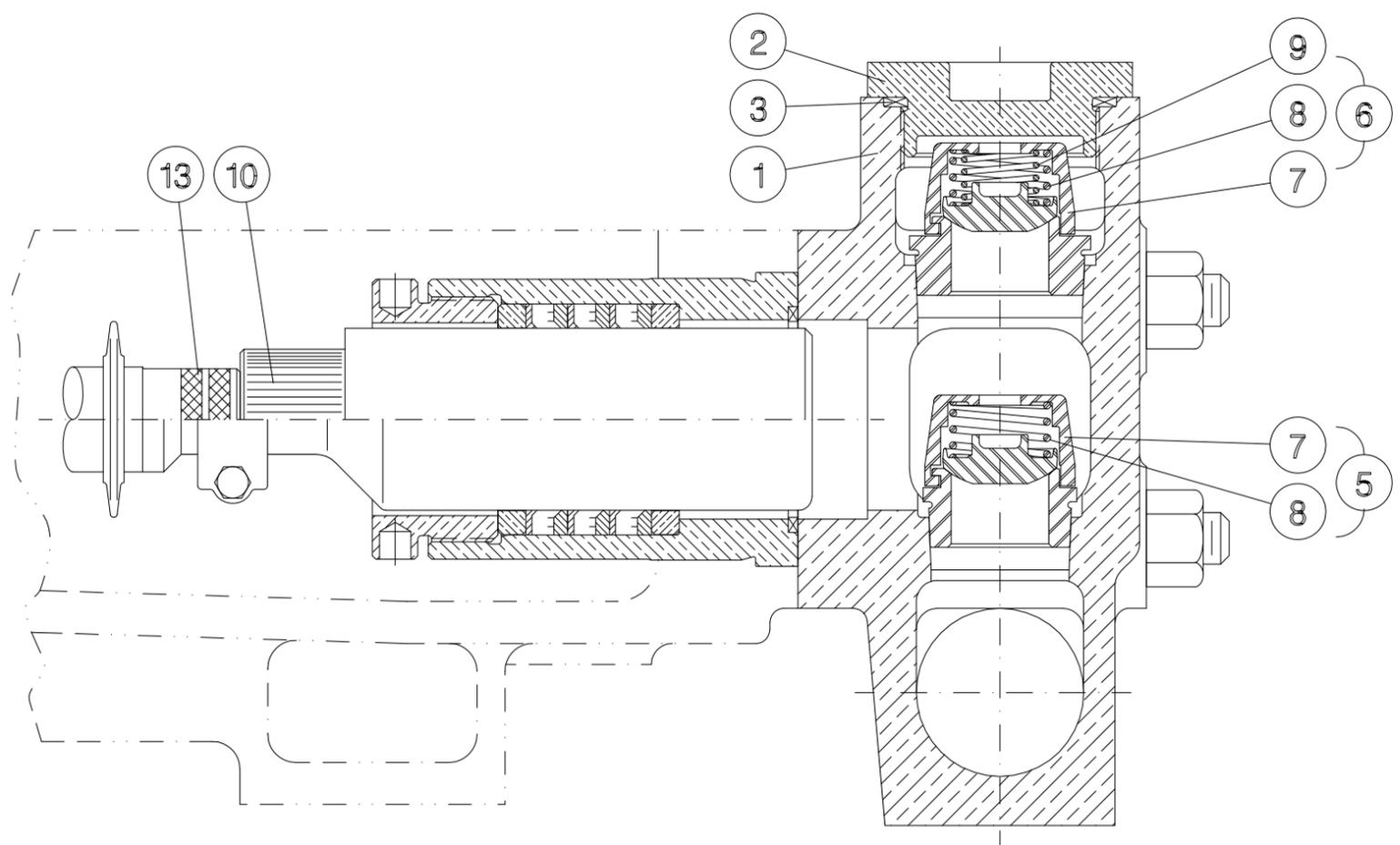


Index and Check List:

PAGE	DWG. NUMBER	DESCRIPTION	SERIES OF ISSUE	DATE OF ISSUE
1	171066980	ASSEMBLY, FLUID END, 80T-3L - (THREADED- ALUM. BRZ.)	SECOND	8-21-07
2	171067080	ASSEMBLY, FLUID END, 80T-3L - (FLANGED- ALUM. BRZ.)	SECOND	8-21-07
3	171067180	ASSEMBLY, FLUID END, 80T-3M - ALUM. BRZ.	FOURTH	8-21-07
4	171067280	ASSEMBLY, FLUID END, 80T-3H - ALUM. BRZ.	FOURTH	8-21-07
5	171067380	POWER END ASSEMBLY	THIRD	6-6-05
6	171067480	CRANKSHAFT ASSEMBLY	SECOND	6-7-05
7	171067580	SEVERE DUTY VALVE ASSEMBLY	SECOND	8-21-07
8	171067680	CAGE VALVE SERVICE – S.S. PLATE, BOTTOM GUIDED, AND BALL AND SEAT	FIRST	12-15-96
9	171067780	VALVE SERVICE KITS – SPHERICAL SEAT TAPERED SEAT	SECOND	8-21-07
10	171067880	VALVE SERVICE KITS – NOV TAPERED SEAT AND CAGE TYPE	FIRST	12-15-96
11	171067980	GEAR REDUCER ASSEMBLY (ALL RATIOS)	FIRST	12-15-96
12	171068080	PLUNGER KIT ASSEMBLY, 80T-3L, 3M	SECOND	5-17-05
13	171068180	PLUNGER KIT ASSEMBLY, 80T-3M, 3H	SECOND	3-23-07
14	171068280	PLUNGER KIT ASSEMBLY, S.S. W/ KEVLAR PACKING 80T-3L, 3M	THIRD	2-26-07
15	171068380	PLUNGER KIT ASSEMBLY, S.S. W/ KEVLAR PACKING 80T-3H	SECOND	2-23-07
16	171068480	PLUNGER / INTERMEDIATE ROD ASSY., DBL. TAPERED CLAMP	FIRST	12-15-96
17	171068580	PLUNGER / INTERMEDIATE ROD ASSY., THREADED PLUNGER	FIRST	12-15-96
18	171068680	LUBRICATOR ASSY. PIPING, 3-FEED R.H. / L.H.	FIRST	12-15-96
19	171068780	OPTIONAL ACCESSORIES	FIRST	12-15-96
20	171068880	LOW PRESSURE PLASTIC BODY, IN-LINE SUCTION DAMPENER	FIRST	12-15-96
21	171068980	80T-3 AUXILIARY LUBE SYSTEM – SLOW SPEED	FIRST	12-15-96
22	171069080	OUTLINE DRAWING 80T-3 W/O GEAR REDUCER	FIRST	12-15-96
23	171069180	OUTLINE DRAWING 80T-3 W/ GEAR REDUCER	FIRST	12-15-96

Revisions effective August 21, 2007 – updated logo; drawing number 171067580 was Durable Tapered Seat; revised pages 1 thru 4, 9, and pages 13-15.

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED DURABLA VALVES	MTH	RPQ	8.21.07		
A1	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	8.21.07		



	3	SEE PAGES 16 & 17	80T INT. ROD SCREW OR CLAMP TYPE	13
⊗	2	#501	CAPLUG	12
⊗	2	#24-S	CAPLUG	11
	3	SEE PAGES 12, 13, 14 & 15	STD. PLUNGER KIT SELECTION	10
	1	1792526	SPRING, INNER	9
	1	1792525	SPRING, OUTER	8
	1	1792524-6	RETAINER, SPRING	7
	3	1792522-25	VALVE CPT., SPHERICAL DISCH.	6
	3	1792520-25	VALVE CPT., SPHERICAL SUCT. INCL.	5
*	1	1710270	BAR, STUFFING BOX ADJUSTING NUT	4
	3	2410031343	PACKING, TOP COVER	3
	3	1710073	COVER, CYLINDER TOP	2
	1	171015814-80	CYLINDER ONLY, FLUID	1
	QTY. REQ'D	PART NUMBERS	MATERIAL/SPECIFICATION	ITEM NO.
		171015714-80S (NI ALUM BRZ) ASSY. WITH SPHERICAL VALVES	* ITEM NOT SHOWN FOR CLAIRITY ⊗ FOR SHIPPING PURPOSES ONLY	

LIST OF MATERIAL

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY



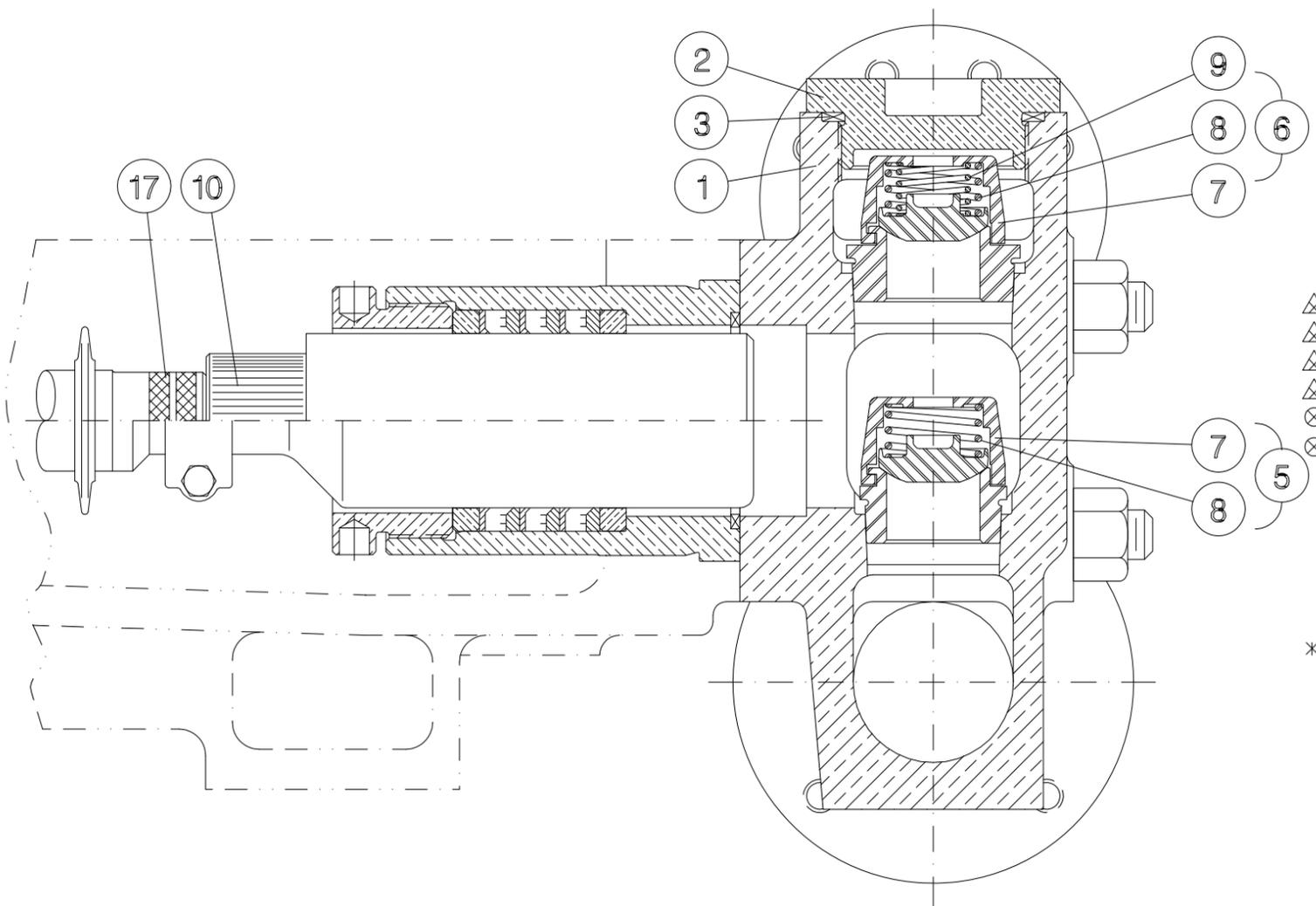
TITLE
 FLUID END ASSY. (THREADED)
 SHOWN WITH 3 1/4" & 3 3/8" PLUNGER ONLY
 80T-3L TRIPLEX PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710669-80	A

SCALE	EST WT	SHEET	OF	1
1 / 3		1	OF	1

1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED DURABLE VALVES	MTH	RPQ	8.21.07		
A1	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	8.21.07		



3	SEE PAGES 16 & 17	80T INT. ROD SCREW OR CLAMP TYPE	17	
△	16	700039911	CAPSCREW, 5/8-11 x 2 1/2" LG. HEX HD. - DISCH. CONN.	16
△	8	700039711	CAPSCREW, 5/8-11 x 2" LG. HEX HD. - SUCT. CONN.	15
△	2	6908011	RING, OVAL JOINT R-23	14
△	2	6010019	GASKET, 3" FLAT RING	13
⊗	2	*19	CAPLUG	12
⊗	2	*55-A	CAPLUG	11
	3	SEE PAGES 12, 13, 14 & 15	STD. PLUNGER KIT SELECTION	10
	1	1792526	SPRING, INNER	9
	1	1792525	SPRING, OUTER	8
	1	1792524-6	RETAINER, SPRING	7
	3	1792522-25	VALVE CPT., SPHERICAL DISCH.	6
	3	1792520-25	VALVE CPT., SPHERICAL SUCT.	5
*	1	1710270	BAR, STUFFING BOX ADJUSTING NUT	4
	3	2410031343	PACKING, TOP COVER	3
	3	1710073	COVER, CYLINDER TOP	2
	1	1710414-1480	CYLINDER ONLY, FLUID	1
QTY REQ'D	PART NUMBERS	MATERIAL/SPECIFICATION	ITEM NO.	

* ITEM NOT SHOWN FOR CLAIRITY
⊗ FOR SHIPPING PURPOSES ONLY
△ SHIPPED SEPERATELY

LIST OF MATERIAL

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY



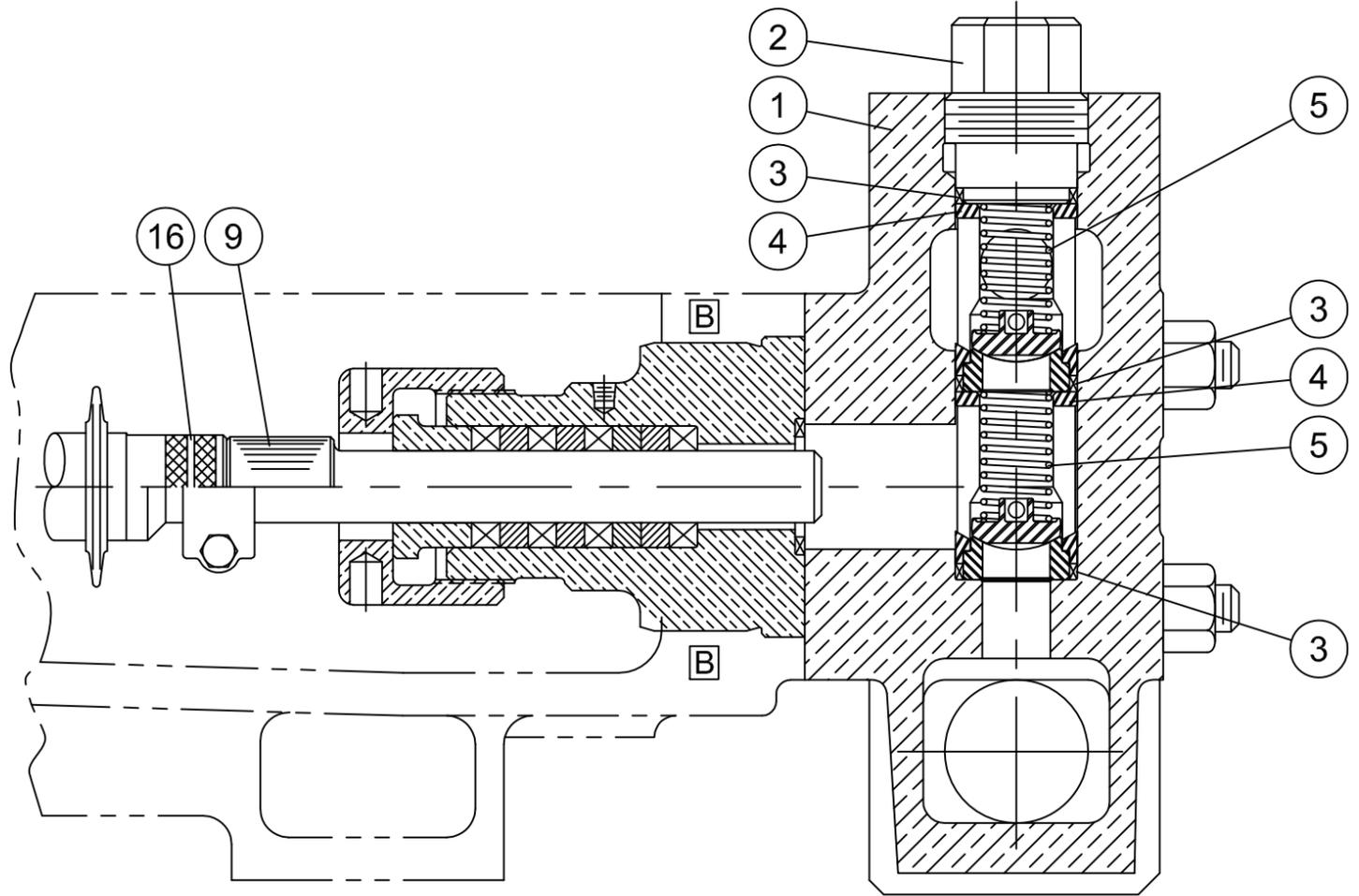
TITLE
FLUID END ASSY. (FLANGED)
SHOWN WITH 3/4" & 3 3/8" PLUNGER ONLY
80T-3L TRIPLEX PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710670-80	A

SCALE	EST WT	SHEET
1 / 3		1 OF 1

2

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
B	REMOVED STUFFING BOX BUSHING	DCP	RPQ	2.23.07		
C	REMOVED DURABLA VALVES	MTH	RPQ	8.21.07		
C1	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	8.21.07		



3	SEE PAGES 16 & 17	80T INT. ROD SCREW OR CLAMP TYPE	16	
△	8	700052510	SCREW, 1" x 2 3/4" HEX HD. CAP - DISCH. CONN.	15
△	8	700039711	SCREW, 5/8" x 2 HEX HD. CAP - SUCT. CONN.	14
△	2	6908004	RING, OVAL JOINT R-20	13
△	2	6010016	GASKET, 2 1/2" FLAT RING	12
⊗	2	#250	CAPLUG	11
⊗	2	#17	CAPLUG	10
	3	SEE PAGES 12, 13, 14 & 15	STD. PLUNGER KIT SELECTION	9
*	1	1710270	BAR, STUFFING BOX ADJUSTMENT NUT	8
	6	1711500-25	VALVE COMPLETE, BG CAGE	7
	6	1711450-25	VALVE COMPLETE, SPHERICAL	6
	6	1709033	SPRING, BALL VALVE	5
	6	17094276	CAGE, VALVE	4
	9	1711112	SEAL, VALVE CAGE	3
	3	1709073	COVER, CYLINDER TOP	2
	1	1710377-1480	CYLINDER ONLY, FLUID	1
QTY REQ'D	PART NUMBERS	MATERIAL/SPECIFICATION	ITEM No.	
	1710376-1480S (NI ALUM BRZ) ASSY. WITH SPHERICAL VALVES	* ITEM NOT SHOWN FOR CLAIRITY ⊗ FOR SHIPPING PURPOSES ONLY △ SHIPPED SEPERATELY		

LIST OF MATERIAL

SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO

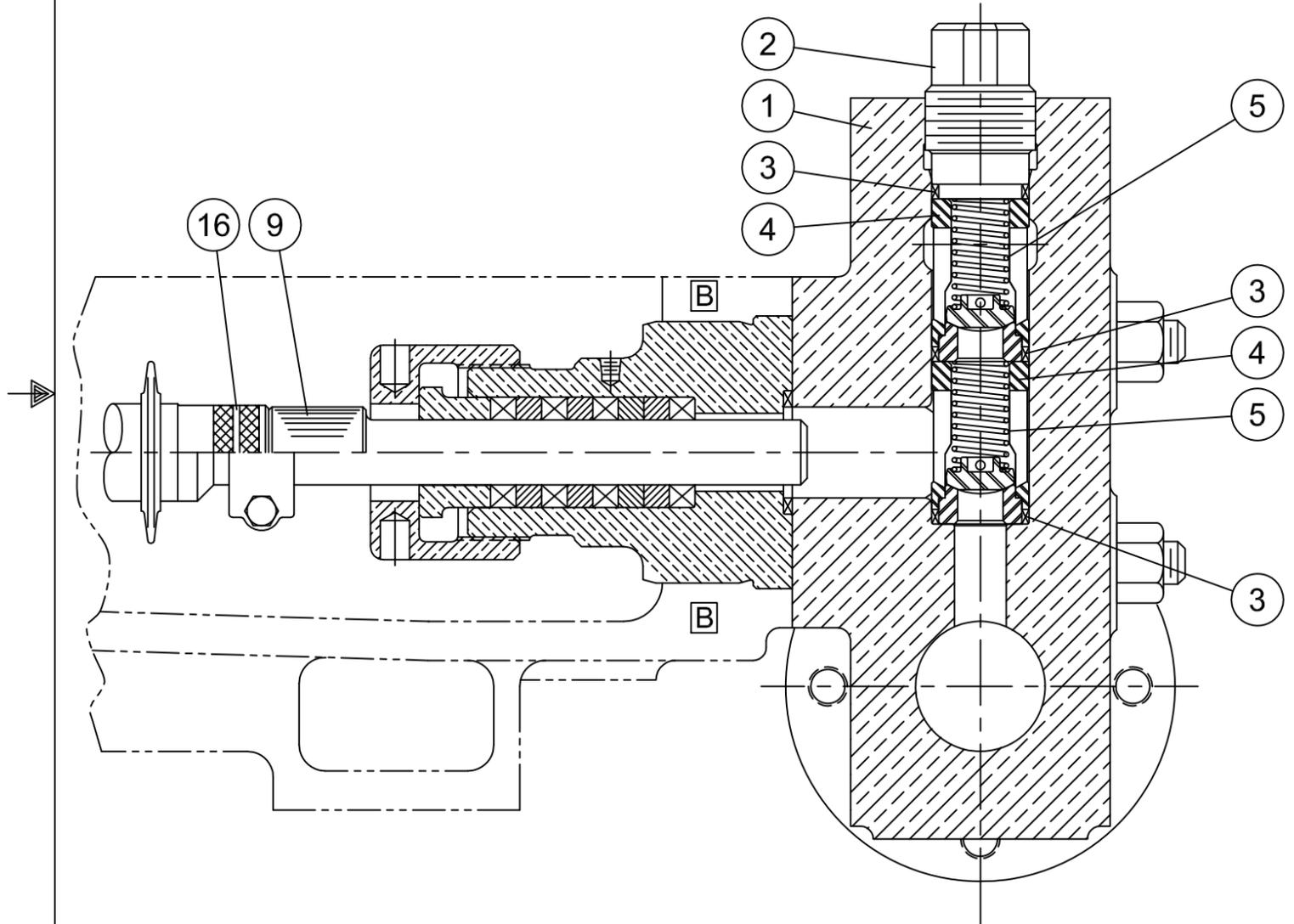
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE
**FLUID END ASSEMBLY
80T-3M TRIPLEX PLUNGER PUMP**

SIZE B	REFERENCE No.	DRAWING No. 1710671-80	REV C
SCALE N.T.S.	EST WT	SHEET 1 OF 1	

3

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
B	REMOVED STUFFING BOX BUSHING	DCP	RPQ	2.23.07		
C	REMOVED DURABLA VALVES	MTH	RPQ	8.21.07		
C1	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	8.21.07		



	3	SEE PAGES 16 & 17	80T INT. ROD SCREW OR CLAMP TYPE	16
△	8	700052810	SCREW, 1" x 3 1/2" HEX HD. CAP - DISCH. CONN.	15
△	8	700044011	SCREW, 3/4" x 2" HEX HD. CAP - SUCT. CONN.	14
△	2	6908008	RING, OVAL JOINT R-21	13
△	2	6010015	GASKET, 2 1/2" FLAT RING	12
⊗	2	#250	CAPLUG	11
⊗	2	#17	CAPLUG	10
	3	SEE PAGES 12, 13, 14 & 15	STD. PLUNGER KIT SELECTION	9
*	1	1710270	BAR, STUFFING BOX ADJUSTMENT NUT	8
	6	1710500-25	VALVE COMPLETE, BG CAGE	7
	6	1710510-25	VALVE COMPLETE, SPHERICAL	6
	6	1710326	SPRING, BALL VALVE	5
	6	17103356	CAGE, VALVE	4
	9	1710112	SEAL, VALVE CAGE	3
	3	1710144	COVER, CYLINDER TOP	2
	1	171006214	CYLINDER ONLY, FLUID	1
	QTY REQ'D	PART NUMBERS	MATERIAL/SPECIFICATION	ITEM No.
		1710376-1480S (NI ALUM BRZ) ASSY. WITH SPHERICAL VALVES	* ITEM NOT SHOWN FOR CLAIRITY ⊗ FOR SHIPPING PURPOSES ONLY △ SHIPPED SEPERATELY	

LIST OF MATERIAL

4

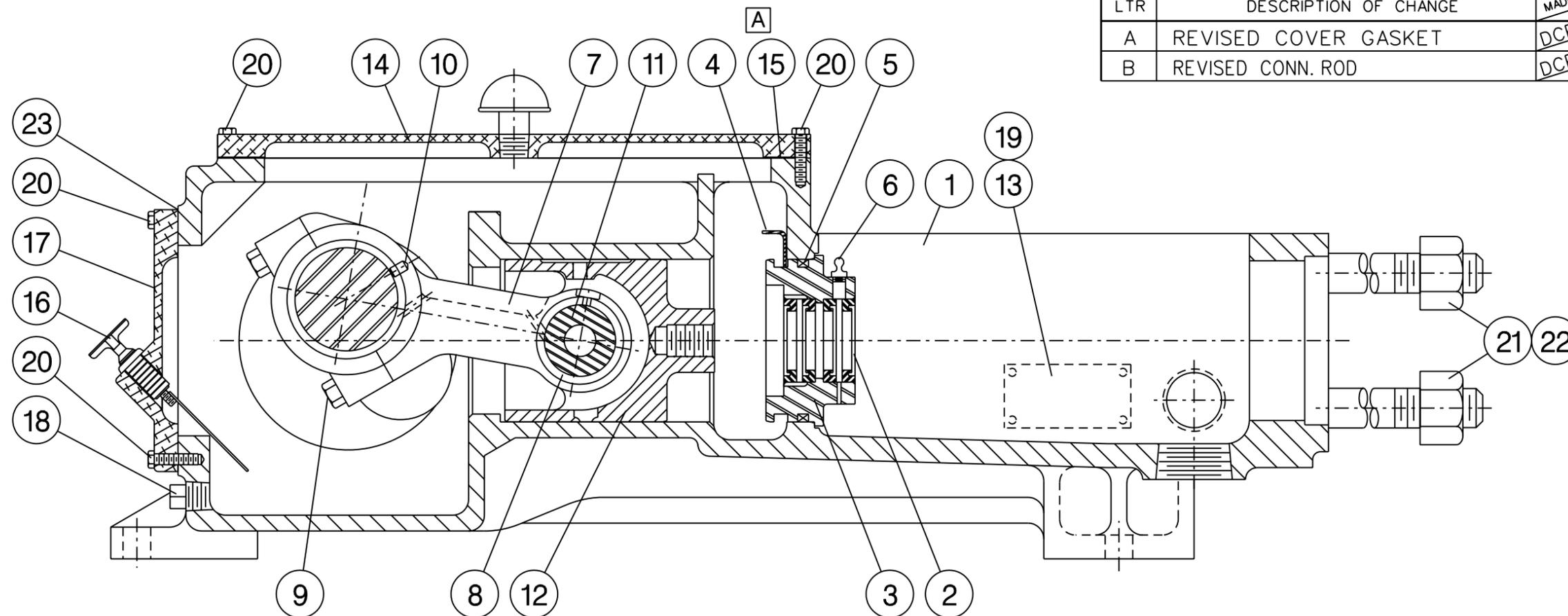
SEE PAGE 7 FOR SEVERE DUTY VALVE ASSEMBLY

NOV NATIONAL OILWELL VARCO

HOUSTON, TEXAS U.S.A. ENGINEERING, MCALESTER, OKLAHOMA

TITLE **FLUID END ASSEMBLY**
80T-3H TRIPLEX PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710672-80	C
SCALE	N.T.S.	EST WT	SHEET 1 OF 1



LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED
A	REVISED COVER GASKET	DCP	RPQ	10-17-00	JCA
B	REVISED CONN. ROD	DCP	RPQ	6.06.05	JCA

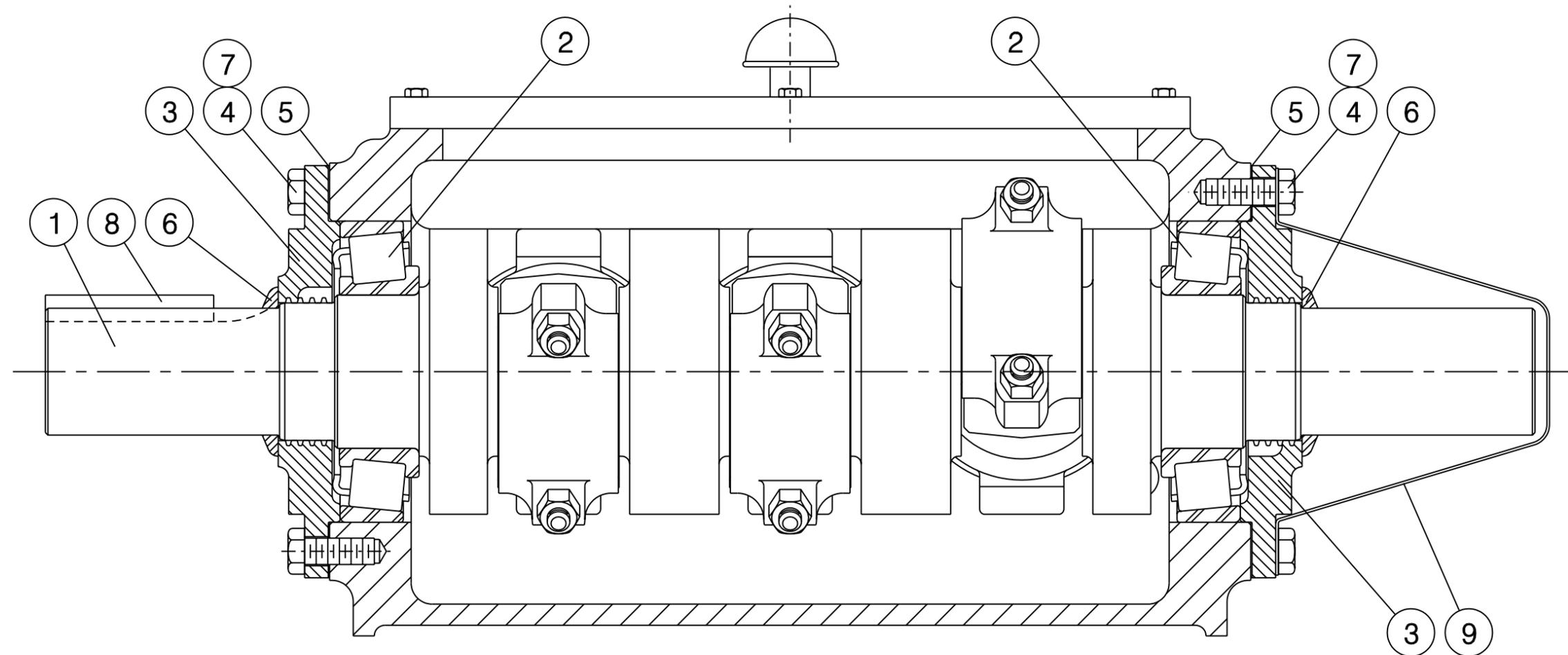
1	1710367	GASKET, REAR COVER PLATE	23	
8	6300200	NUT, 1/4-7 HVY. HEX	22	
8	49-011-821	STUD, 1/4-7 x 9 1/2" LG. ALLOY STL.	21	
14	7000158-11	CAPSCREW, 5/16-18 x 1/4" LG. HEX HD. CAD. PLT.	20	
4	7178025	SCREW, RD. HD. DRIVE TYPE U *2 x 1/4"	19	
1	6873006	PLUG, STD. SQ. HD. 3/4"	18	
1	1710015-80	PLATE, REAR COVER	17	
1	2400054	GAUGE, DIPSTICK OIL	16	
A	1	1710398	GASKET, TOP COVER	15
1	1710014	PLATE, POWER END TOP	14	
1	G2407274	PLATE, WARNING	13	
3	1710005	CROSSHEAD	12	
3	1710008	PIN, CROSSHEAD	11	
1	6510504	PIN, DOWEL	10	
B	2	G1710516	BOLT, CONNECTING ROD	9
1	G1710403	BUSHING, CROSSHEAD PIN	8	
B	3	G1710514	ROD CPT., CONNECTING (INCL. ITEMS 8, 9 & 10)	7
3	7805052	FITTING, ALEMITE 1/8"	6	
3	2410031-426	SEAL, INT. ROD WIPER	5	
3	G1710519	CLIP, RETAINER - INT. ROD	4	
3	G1710518	RETAINER, INT. ROD WIPER	3	
12	7822036	WIPER, INT. ROD	2	
1	1710001-80	FRAME ONLY, 80T	1	
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.	

NOV NATIONAL OILWELL VARCO

POWER END ASSEMBLY
80T-3 PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710673-80	B
SCALE	NONE	EST WT	SHEET 1 OF 1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED
A	UPDATED CRANKSHAFT VIEW	DCP	RPQ	6.07.05	JCA



**	1	1710129	COVER, CRANKSHAFT EXT. (SLOTTED - LUBRICATOR)	9
**	1	1710128	COVER, CRANKSHAFT EXT. (SOLID)	9
*	1	2401710	KEY, CRANKSHAFT 3/4" x 3/4" x 4" LG.	8
	6 FT.	59-800-016	WIRE, #16 GA. ANNEALED	7
	2	7804040	EXCLUDER, DIRT	6
	6	1713627	SHIM, .007 BRG. RETAINER	5
	6	1713625	SHIM, .005 BRG. RETAINER	
	2	1713620	SHIM, .020 BRG. RETAINER	
	12	2400680	CAPSCREW, 5/8-11 x 1 1/2" LG. DRLD. HD. HEX	4
	2	1710011	RETAINER, CRANKSHAFT BEARING	3
	2	ZT-3621	BEARING, TIMKEN	2
	1	G1710002	CRANKSHAFT	1
QTY REQ'D	PART NO.	DESCRIPTION /MATERIAL /SPECIFICATION		ITEM NO.

* FURNISHED ONLY WHEN NO ACCESSORY DRIVES ARE REQUIRED

** OPTIONAL EQUIPMENT

NOV NATIONAL OILWELL VARCO

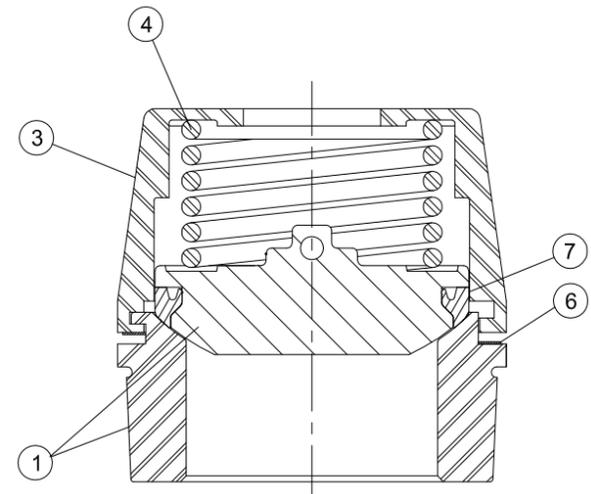
TITLE CRANKSHAFT ASSEMBLY
80T-3 PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710674-80	A
SCALE	EST WT	SHEET 1 OF 1	
1/3			

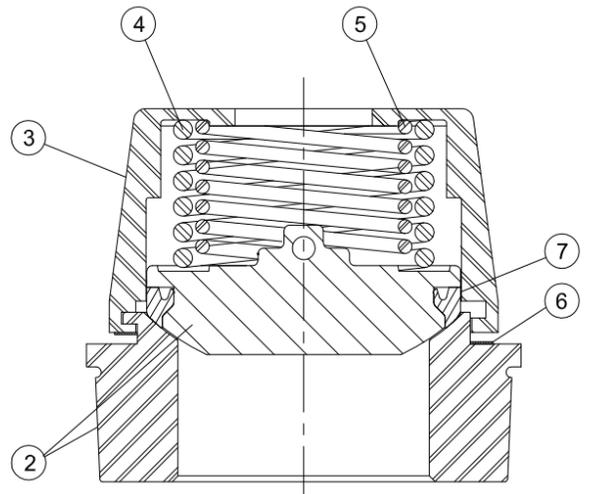
LIST OF MATERIAL

6

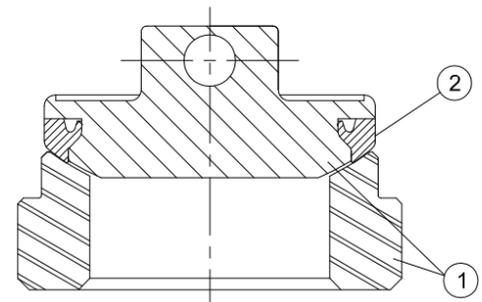
LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	WAS DURABLA TAPERED SEAT VALVE ASSY	WFL	RPQ	8.21.07		



SUCTION



DISCHARGE



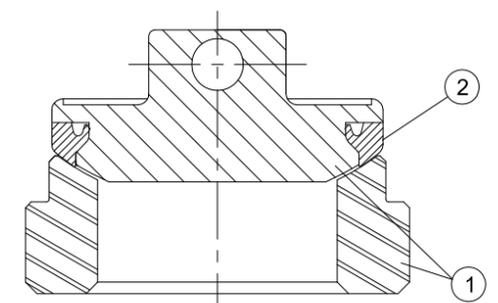
SUCTION & DISCHARGE

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707087	SEAL / INSERT	7
1	9707083	WAVE RING	6
1	1792526	SPRING, INNER	5
1	1792525	SPRING, OUTER	4
1	1792524-6W	RETAINER, SPRING	3
1	1792522-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1792520-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1

80T-3L
TAPERED SEAT
SPHERICAL SD TYPE

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707090	SEAL / INSERT	2
1	1711450-25SD	VALVE CPT., SUCTION & DISCHARGE - SEVERE DUTY	1

80T-3M
CAGE TYPE
SPHERICAL SD TYPE



SUCTION & DISCHARGE

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707092	SEAL / INSERT	2
1	1710510-25SD	VALVE CPT., SUCTION & DISCHARGE - SEVERE DUTY	1

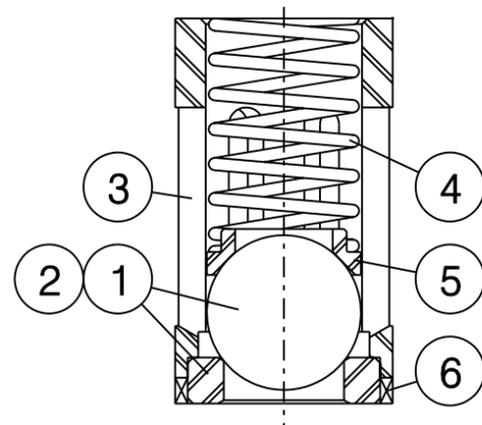
80T-3H
CAGE TYPE
SPHERICAL SD TYPE

NOV NATIONAL OILWELL VARCO
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE SEVERE DUTY VALVE ASSY.
80T-3 TRIPLEX PLUNGER PUMP

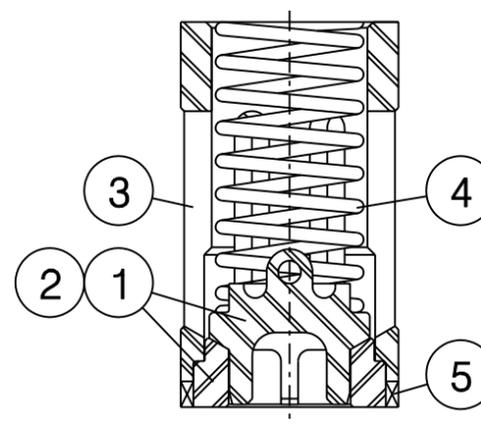
SIZE B	REFERENCE No.	DRAWING No. 171067580	REV A
SCALE	EST WT	SHEET 1 OF 1	

1	1711112	1710112	SEAL	6
1	1709025	1710105	RETAINER, SPRING	5
1	1709010	1710103	SPRING	4
1	1709007-6	1710101-6	CAGE	3
1	1711106	1710106	VALVE & SEAT (DISCHARGE)	2
1	1711106	1710106	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART NO. 80T-3M	PART NO. 80T-3H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



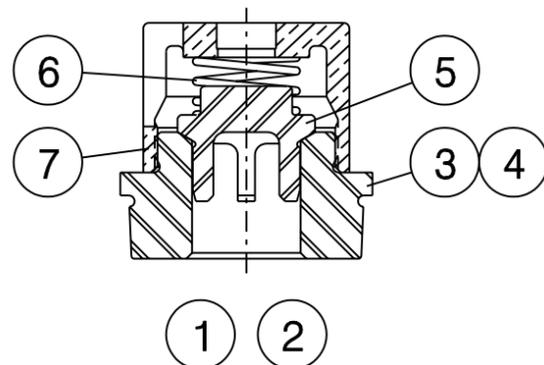
80T - 3M &
80T - 3H & 3PO
CAGE TYPE
BALL VALVE

1	1711112	1710112	SEAL	5
1	1709033	1710326	SPRING	4
1	1709427-6	1710335-6	CAGE	3
1	1711500-25	1710500-25	VALVE & SEAT (DISCHARGE)	2
1	1711500-25	1710500-25	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART NO. 80T-3M	PART NO. 80T-3H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



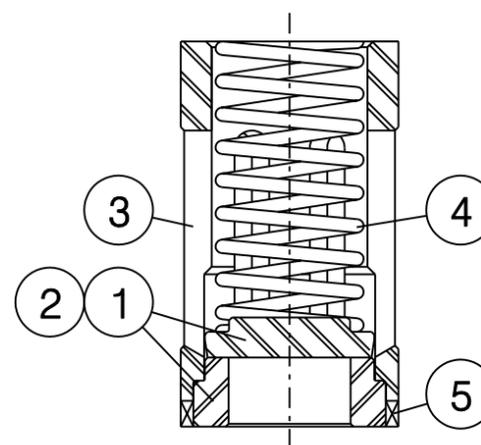
80T - 3MCA & 3HCA
BOTTOM GUIDED
CAGE TYPE VALVE

1	1792504-26	1792004-26	RETAINER, SPRING	7
1	1792505P	1792005P	SPRING	6
1	1790066	1711502	VALVE	5
1		1792003-4	SEAT, VALVE - DISCHARGE	4
1		1792001-4	SEAT, VALVE - SUCTION	
1	1792503-4		SEAT, VALVE - DISCHARGE	3
1	1792501-4		SEAT, VALVE - SUCTION	
1	1792502-4	1792002-4	VALVE CPT. - DISCHARGE	2
1	1792500-4	1792000-4	VALVE CPT. - SUCTION	1
QTY REQ'D	PART NO. 80T-3L	PART NO. 80T-3M	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



80T - 3L & 3M
BOTTOM GUIDED
TAPERED SEAT VALVE

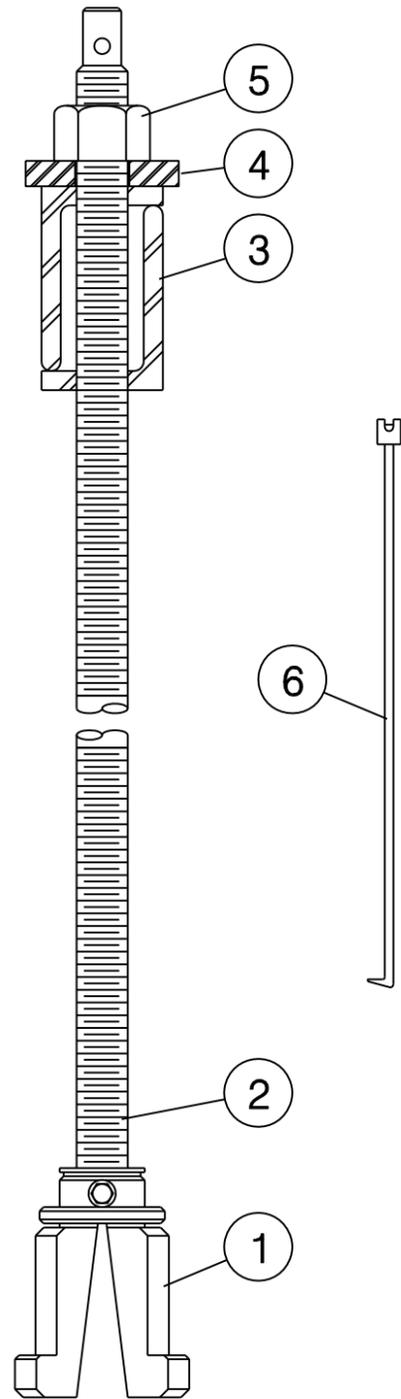
1	1711112	1710112	SEAL	5
1	1709033	1710326	SPRING	4
1	1709027-6	1710335-6	CAGE	3
1	1711332	1710332	VALVE & SEAT (DISCHARGE)	2
1	1711330	1710330	VALVE & SEAT (SUCTION)	1
QTY REQ'D	PART NO. 80T-3M	PART NO. 80T-3H	DESCRIPTION	ITEM NO.
LIST OF MATERIAL				



80T - 3MCA & 3HCA
CAGE TYPE
DISC VALVE

NOV NATIONAL OILWELL VARCO			
TITLE CAGE TYPE VALVE ASSEMBLY 80T-3 TRIPLEX PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1710676-80	REV
SCALE 1/2	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED DURABLE VALVES	MTH	RPO	8.21.07		



SPHERICAL TAPERED SEAT VALVE KIT

80T - 3L			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	180104119	VALVE KIT COMPLETE	1
1	18259250	HEAD	1
2	20220159	STEM	1
3	181205709	SPACER	1
4	75518308	NUT, 1"-8	1
5	20220194	WASHER	1
6	1790034	RETRIEVER	1

9

NOV NATIONAL OILWELL VARCO

TITLE VALVE SERVICE KITS
80T-3 PLUNGER PUMP

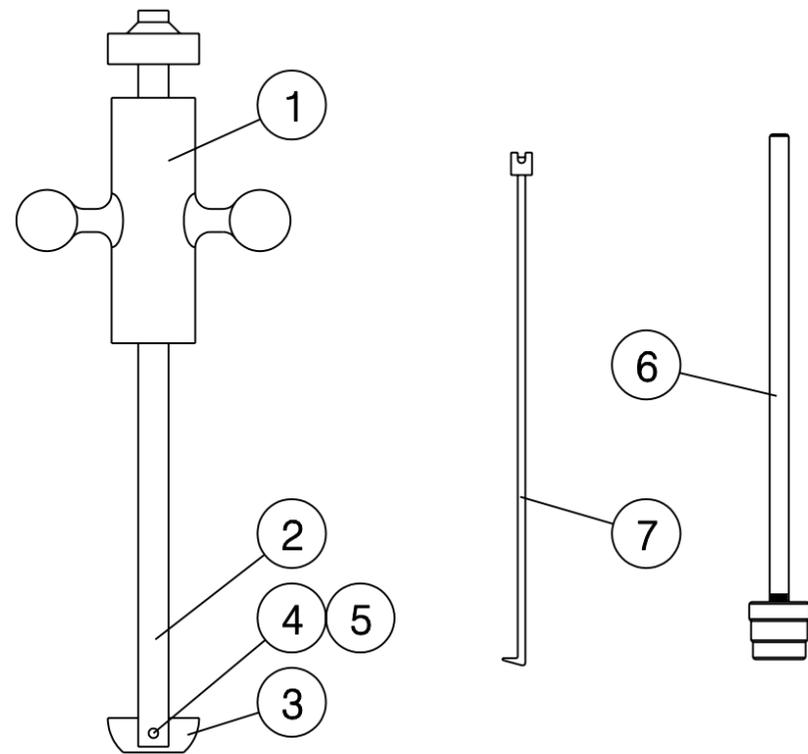
SIZE B	REFERENCE No.	DRAWING No. 1710677-80	REV A
SCALE 3/16	EST WT	SHEET 1 OF 1	

80T - 3MCA			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1711251	VALVE KIT COMPLETE	1
	1711249	BAR CPT. (INCL. 1-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1711252	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790041	DRIVER	1
7	1790034	RETRIEVER	1

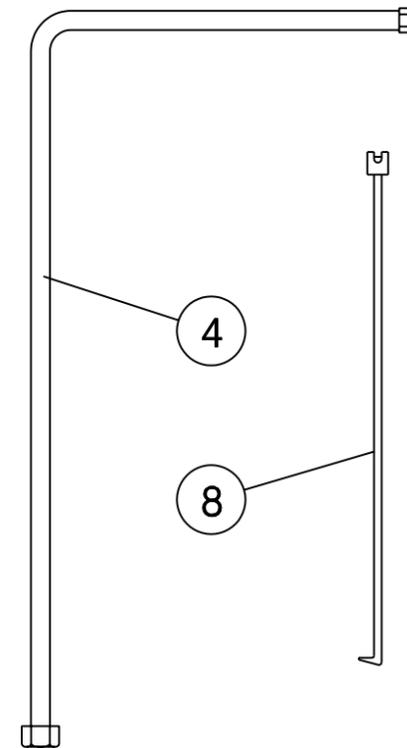
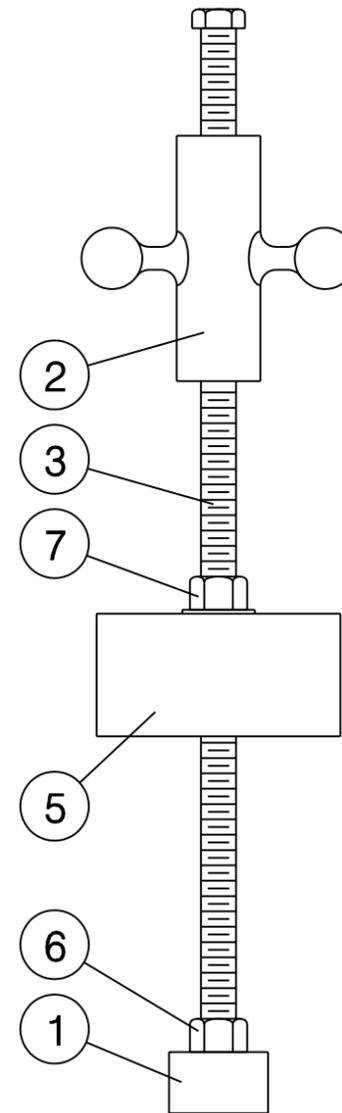
80T - 3HCA / 3PO			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1710292	VALVE KIT COMPLETE	1
	1710249	BAR CPT. (INCL. 1-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1710252	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790040	DRIVER	1
7	1790034	RETRIEVER	1

80T - 3L			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1792507	VALVE KIT COMPLETE	1
1	1792506	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1

80T - 3M			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1792007	VALVE KIT COMPLETE	1
1	1792006	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1



CAGE TYPE VALVE KIT
(SPHERICAL, BOTTOM GUIDED, DISC, OR BALL)



NATIONAL OILWELL TAPERED SEAT VALVE KIT

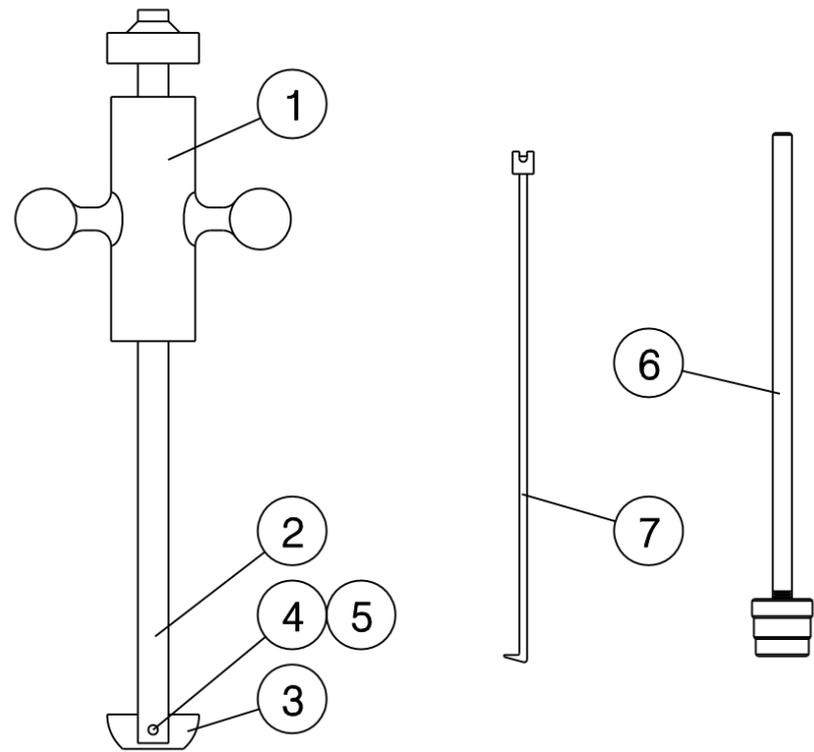
NOV NATIONAL OILWELL VARCO			
TITLE VALVE SERVICE KITS 80T-3 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1710678-80	REV
SCALE 1/6	EST WT	SHEET 1 OF 1	

80T - 3MCA			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1711251	VALVE KIT COMPLETE	1
	1711249	BAR CPT. (INCL. 1-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1711252	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790041	DRIVER	1
7	1790034	RETRIEVER	1

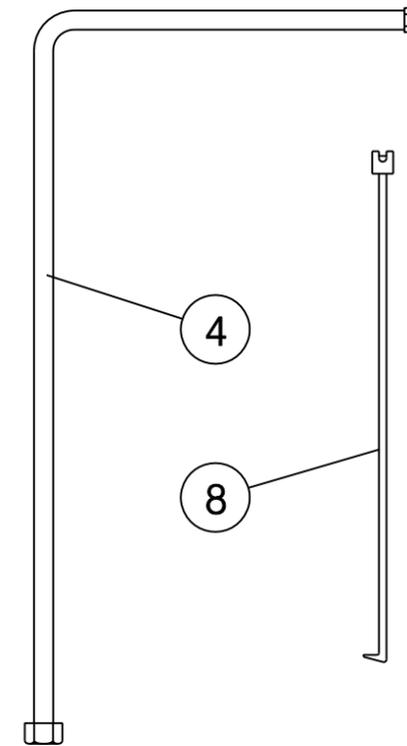
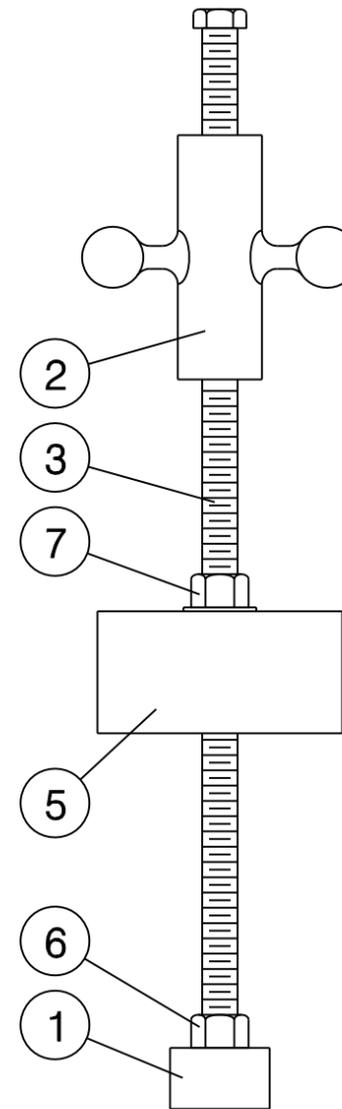
80T - 3HCA / 3PO			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1710292	VALVE KIT COMPLETE	1
	1710249	BAR CPT. (INCL. 1-5)	1
1	1790080	BUMPER	1
2	1710250	BAR	1
3	1710252	PLATE	1
4	6572016	PIN	1
5	6571216	PIN	1
6	1790040	DRIVER	1
7	1790034	RETRIEVER	1

80T - 3L			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1792507	VALVE KIT COMPLETE	1
1	1792506	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1

80T - 3M			
ITEM NO.	PART NO.	DESCRIPTION	QTY. REQD.
	1792007	VALVE KIT COMPLETE	1
1	1792006	HEAD	1
2	1790080	BUMPER	1
3	1790081	BAR	1
4	1790082	WRENCH	1
5	1713109	SUPPORT	1
6	6300160	NUT	1
7	6314002	NUT	1
8	1790034	RETRIEVER	1

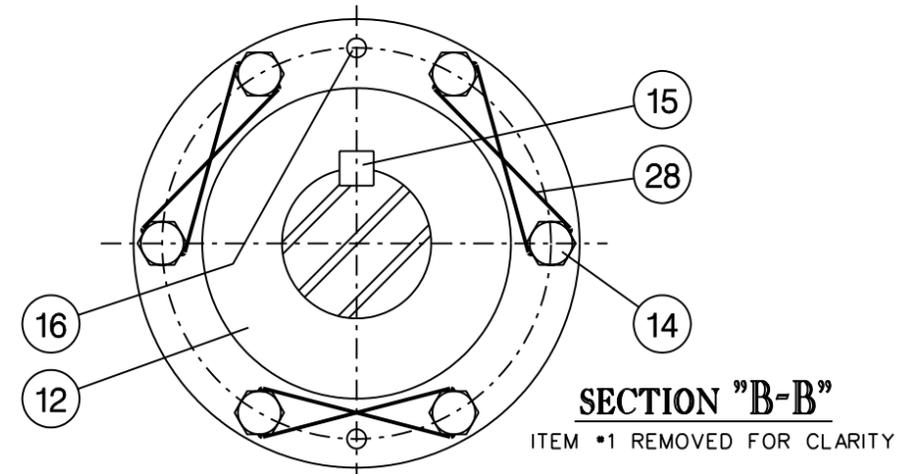
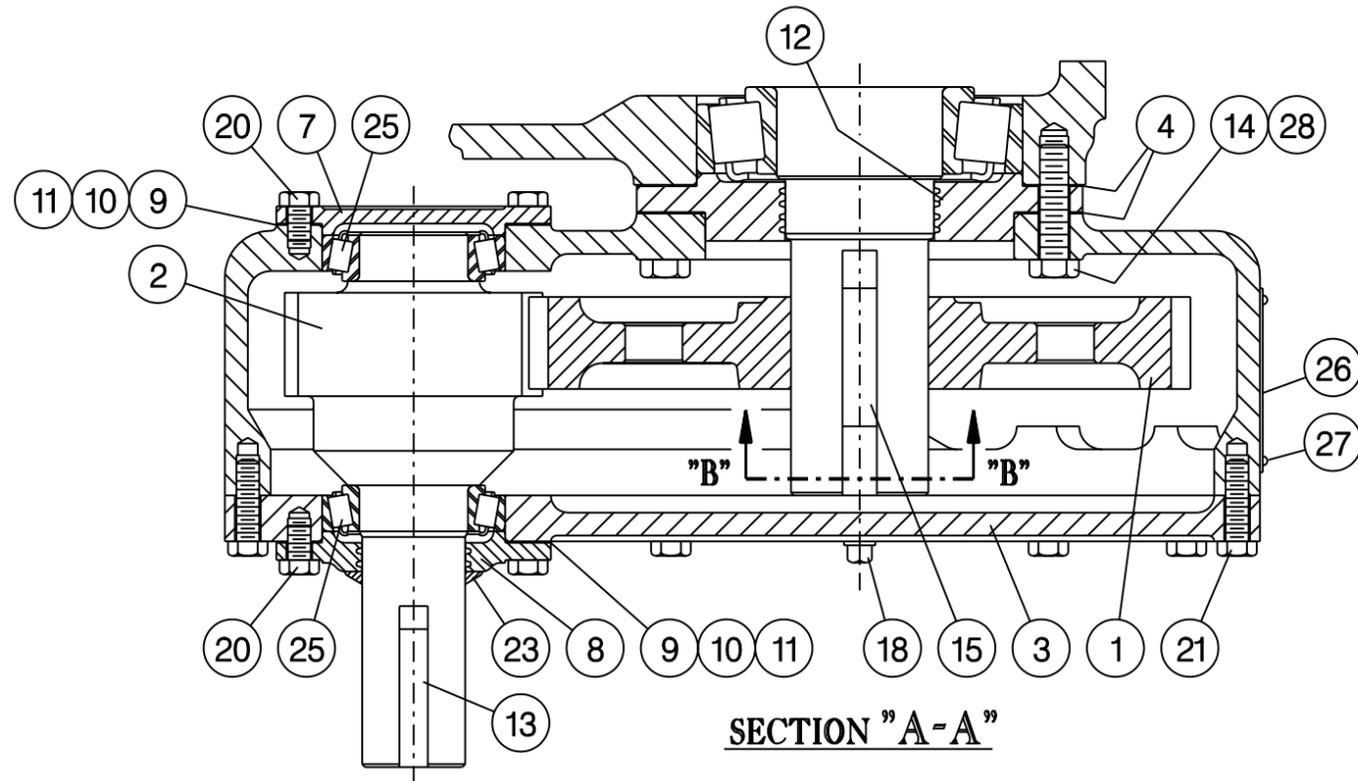


CAGE TYPE VALVE KIT
(SPHERICAL, BOTTOM GUIDED, DISC, OR BALL)

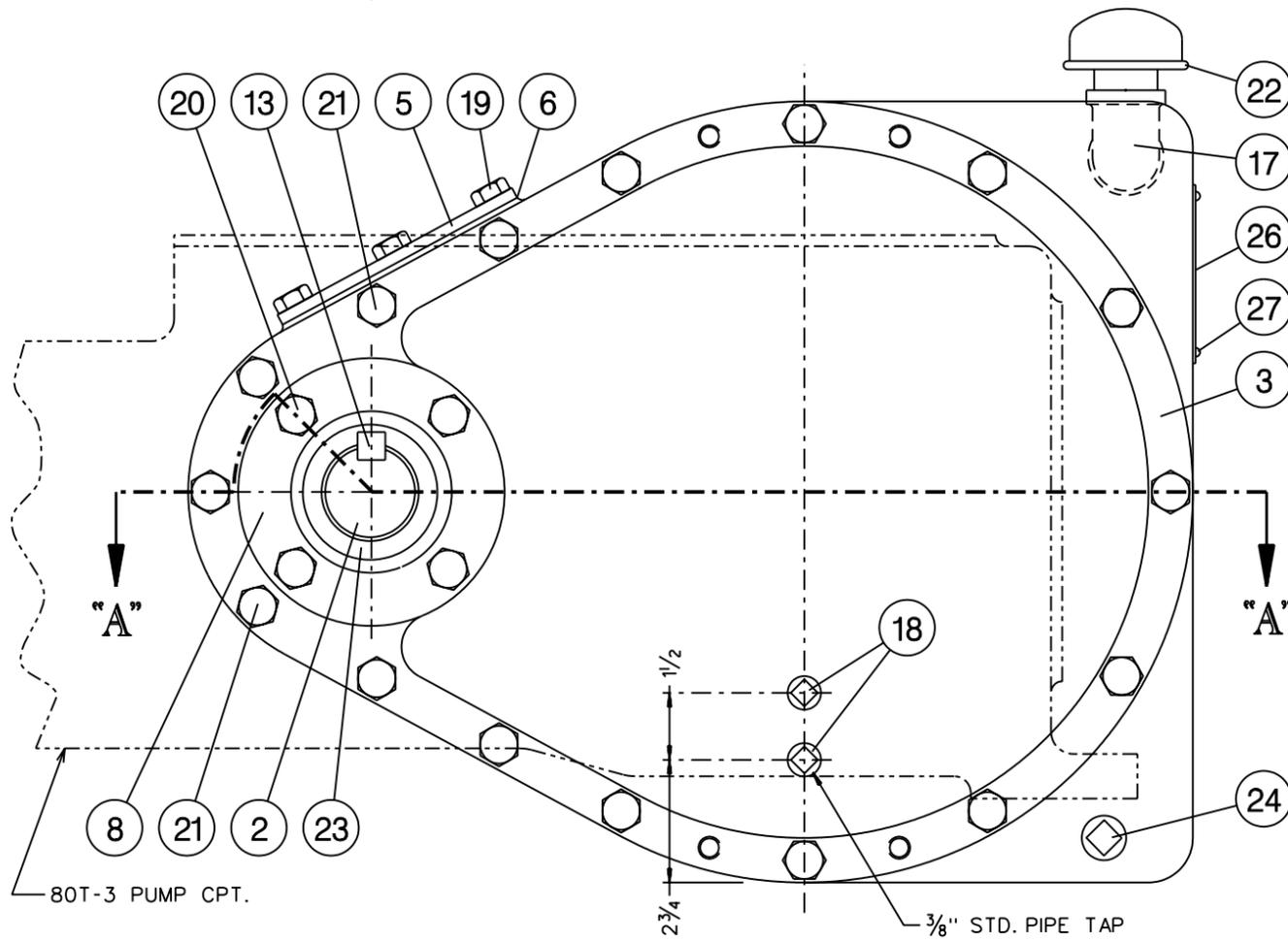


NATIONAL OILWELL VARCO TAPERED SEAT VALVE KIT

NOV NATIONAL OILWELL VARCO			
TITLE VALVE SERVICE KITS 80T-3 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1710678-80	REV
SCALE 1/6	EST WT	SHEET 1 OF 1	



3 FT.	59800016	LOCKWIRE, *16 GA. ANNEALED	28			
1	7178025	SCREW, RD HD DRIVE *2 x 1/4"	27			
1	1711606	PLATE, NAME & INSTRUCTION	26			
2	ZT-2370	BEARING, PINION SHAFT	25			
1	7815056	PLUG, MAGNETIC DRAIN 1"	24			
1	7804041	EXCLUDER, BRG	23			
1	7802020	CAP, BREATHER *S-183	22			
16	7000306-11	SCREW, HEX HD CAP 1/2" x 1 3/4"	21			
8	7000301-11	SCREW, HEX HD CAP 1/2" x 3/4"	20			
4	7000303-11	SCREW, HEX HD CAP 1/2" x 1"	19			
2	6874003	PLUG, STD PIPE 3/8"	18			
1	6829008	ELBOW, STD 1" x 90° STREET	17			
2	6580844	PIN, TAPER *8 x 2 3/4"	16			
1	2402640	KEY, GEAR 3/4" x 3/4" x 3"	15			
8	2402850	SCREW, HEX HD DRLD 5/8" x 2 1/2"	14			
1	2404050	KEY, PINION 5/8" x 5/8" x 3"	13			
1	1710618	RETAINER, CRANKSHAFT BRG	12			
6	1710627	SHIM, BEARING RETAINER .007	11			
6	1710625	SHIM, BEARING RETAINER .005	10			
2	1710620	SHIM, BEARING RETAINER .020	9			
1	1710605	CAP, H.S. PINION BRG OPEN	8			
1	1710604	CAP, H.S. PINION BRG BLIND	7			
1	1710619	GASKET, INSPECTION COVER	6			
1	2206529	COVER, INSPECTION	5			
1	7817200-68	GASKET, LOCTITE PLASTIC	4			
1	1710602	1710602	1710602	1710602	HOUSING CPT, GEAR REDUCER	3
1	1710615	1710614	1710613	1710612	PINION	2
1	1710608	1710609	1710610	1710611	GEAR	1
QTY REQ'D	PART NO.	PART NO.	PART NO.	PART NO.	DESCRIPTION	ITEM NO.
	1710633	1710632	1710631	1710630		
	3.03 RATIO	3.50 RATIO	2.77 RATIO	2.34 RATIO		
	GEAR REDUCER ASSY. COMPLETE B/M No.'s					



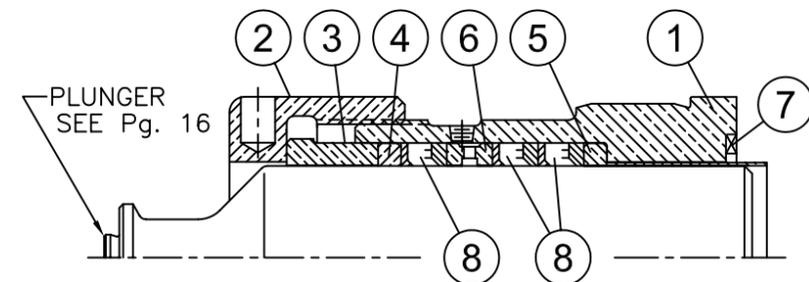
NOV NATIONAL OILWELL VARCO

TITLE
GEAR REDUCER ASSEMBLY
80T-3 TRIPLEX PLUNGER PUMP

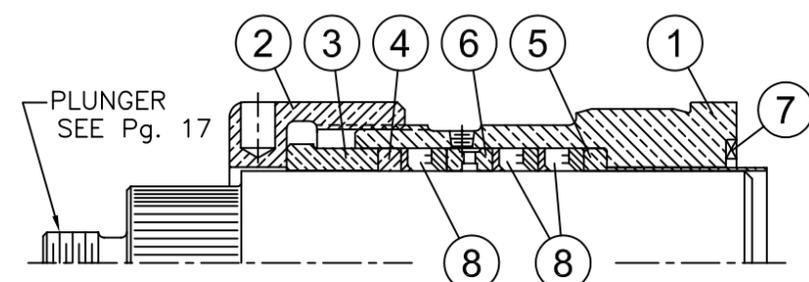
SIZE REFERENCE No. DRAWING No. REV
B 1710679-80

SCALE 1/4 EST WT SHEET 1 OF 1

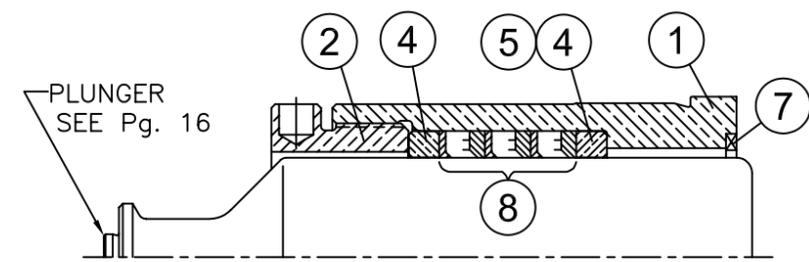
LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED
A	REMOVED ITEM #9	DCP	RPQ	5.17.05	JCA



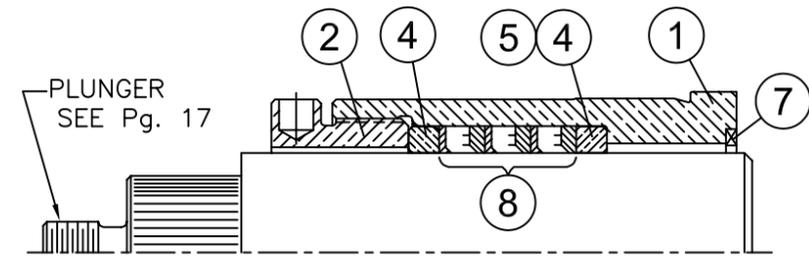
80T - 3L & 3M PLUNGER KIT WITH CLAMPED PLUNGER



80T - 3L & 3M PLUNGER KIT WITH THREADED PLUNGER



80T - 3L PLUNGER KIT WITH CLAMPED PLUNGER (3/4" & 3 3/8" SIZE ONLY)



80T - 3L PLUNGER KIT WITH THREADED PLUNGER (3/4" & 3 3/8" SIZE ONLY)

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
1	6422344	3 3/8" - 850-N UNIVERSAL PACKING	
1	1710937	3 1/4" - 850-N UNIVERSAL PACKING	
1	6422340	3" - 850-N UNIVERSAL PACKING	
1	6422338	2 3/4" - 850-N UNIVERSAL PACKING	
1	6422333	2 1/2" - 850-N UNIVERSAL PACKING	
1	6422330	2 1/4" - 850-N UNIVERSAL PACKING	
1	6422322	2" - 850-N UNIVERSAL PACKING	
1	6422319	1 3/4" - 850-N UNIVERSAL PACKING	
1	2410031-342	SEAL, STUFFING BOX	7
1	1712132	3" LUBE RING	
1	1712131	2 3/4" LUBE RING	
1	1710134	2 1/2" LUBE RING	
1	1710133	2 1/4" LUBE RING	
1	1710132	2" LUBE RING	
1	1710131	1 3/4" LUBE RING	
1	1710938-80	3 3/8" SLEEVE WASHER	
1	1710939-80	3 1/4" SLEEVE WASHER	
1	1710118	3" SLEEVE WASHER	
1	1710117	2 3/4" SLEEVE WASHER	
1	1710116	2 1/2" SLEEVE WASHER	
1	1710115	2 1/4" SLEEVE WASHER	
1	1710114	2" SLEEVE WASHER	
1	1710113	1 3/4" SLEEVE WASHER	
1	1711100	3 3/8" WASHER	
1	1711072	3 1/4" WASHER	
1	1710100	3" WASHER	
1	1710099	2 3/4" WASHER	
1	1710098	2 1/2" WASHER	
1	1710097	2 1/4" WASHER	
1	1710096	2" WASHER	
1	1710095	1 3/4" WASHER	
1	1710094	3" GLAND	
1	1710093	2 3/4" GLAND	
1	1710092	2 1/2" GLAND	
1	1710091	2 1/4" GLAND	
1	1710090	2" GLAND	
1	1710089	1 3/4" GLAND	
1	1710931-80	NUT, ADJUSTING (3 1/4" & 3 3/8")	
1	1710065	NUT, ADJUSTING (1 3/4" THRU 3")	
1	1710930-80	3 3/8" PLG'R x 4 1/8" BORE STUFFING BOX	
1	1710930-80	3 1/4" PLG'R x 4 1/8" BORE STUFFING BOX	
1	1710076	3" PLG'R x 3 3/4" BORE STUFFING BOX	
1	1710076	2 3/4" PLG'R x 3 3/4" BORE STUFFING BOX	
1	1710075	2 1/2" PLG'R x 3 1/4" BORE STUFFING BOX	
1	1710075	2 1/4" PLG'R x 3 1/4" BORE STUFFING BOX	
1	1710074	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	1710074	1 3/4" PLG'R x 2 3/4" BORE STUFFING BOX	

80T- 3L PLUNGER KIT

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
1	6422322	2" - 850-N UNIVERSAL PACKING	
1	6422319	1 3/4" - 850-N UNIVERSAL PACKING	
1	6422316	1 5/8" - 850-N UNIVERSAL PACKING	
1	6422312	1 1/2" - 850-N UNIVERSAL PACKING	
1	2410031-342	1 3/4" & 2" SEAL, STUFFING BOX	7
1	2410031-334	1 1/2" & 1 5/8" SEAL, STUFFING BOX	7
1	1710132	2" LUBE RING	
1	1710131	1 3/4" LUBE RING	
1	1710142	1 5/8" LUBE RING	
1	1710141	1 1/2" LUBE RING	
1	1710114	2" SLEEVE WASHER	
1	1710113	1 3/4" SLEEVE WASHER	
1	1710161	1 5/8" SLEEVE WASHER	
1	1710162	1 1/2" SLEEVE WASHER	
1	1710096	2" WASHER	
1	1710095	1 3/4" WASHER	
2	1710060	1 5/8" WASHER	
2	1710059	1 1/2" WASHER	
1	1710090	2" GLAND	
1	1710089	1 3/4" GLAND	
1	1710054	1 5/8" GLAND	
1	1710053	1 1/2" GLAND	
1	1710065	1 3/4" & 2" ADJUSTING NUT	
1	1710025	1 1/2" & 1 5/8" ADJUSTING NUT	
1	1710074	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	1710074	1 3/4" PLG'R x 2 3/4" BORE STUFFING BOX	
1	1710036	1 5/8" PLG'R x 2 3/8" BORE STUFFING BOX	
1	1710036	1 1/2" PLG'R x 2 3/8" BORE STUFFING BOX	

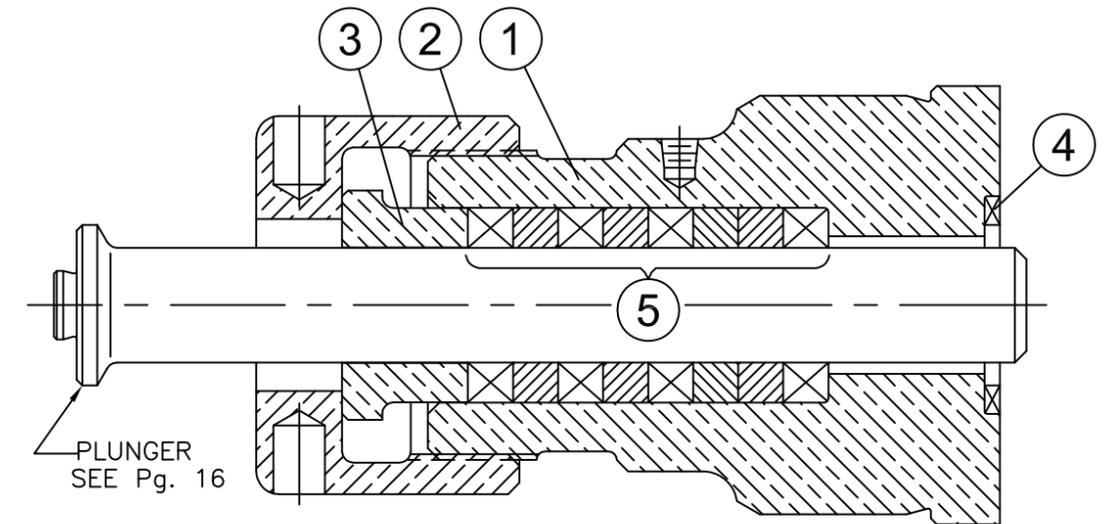
80T - 3M PLUNGER KIT



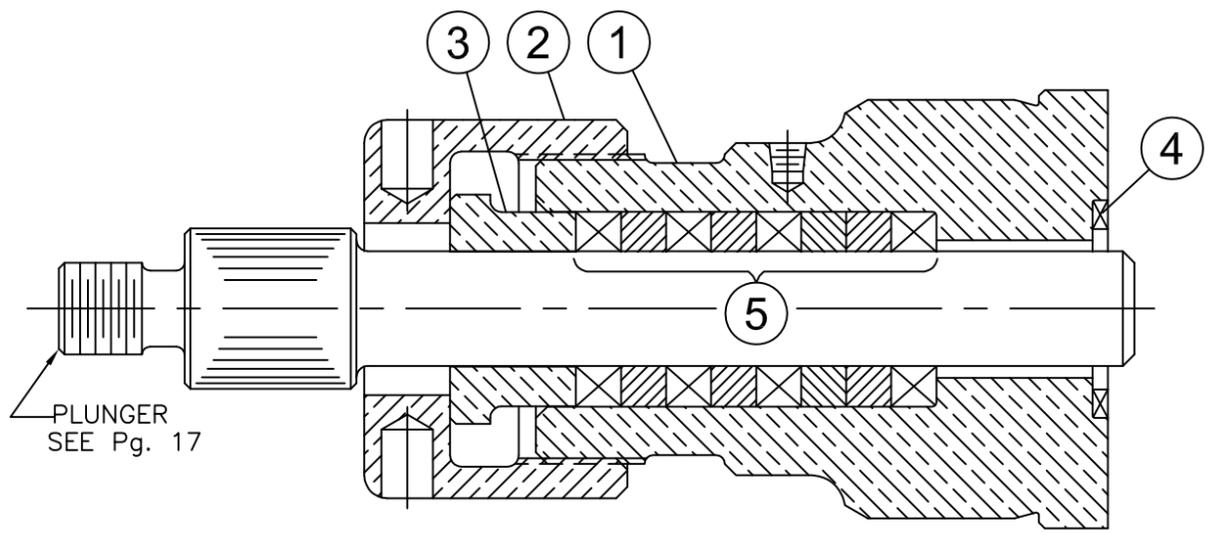
TITLE			
ASSEMBLY, PLUNGER KIT			
80T-3L & 3M TRIPLEX PUMP			
SIZE	REFERENCE No.	DRAWING No.	REV
B		1710680-80	A
SCALE	EST WT	SHEET 1 OF 1	
1/3			

5 USE ONLY WITH CERAMIC PLUNGER. REPLACE ONE OF ITEM #4 WITH ITEM #5

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED STUFFING BOX BUSHING	DCP	RPQ	3.23.07	JCA	



80T-3M / 3H PLUNGER KIT WITH CLAMPED PLUNGER



80T-3M / 3H PLUNGER KIT WITH THREADED PLUNGER

A

1	6420402	1 ³ / ₈ " - 1045 UNIVERSAL PACKING	5
1	6420420	1 ¹ / ₄ " - 1045 UNIVERSAL PACKING	
1	2410031-334	SEAL, STUFFING BOX	4
1	1710052	1 ³ / ₈ " GLAND	3
1	1710051	1 ¹ / ₄ " GLAND	
1	1710025	NUT, ADJUSTING	2
1	1710036-80	1 ³ / ₈ " PLG'R x 2 ³ / ₈ " BORE STUFFING BOX	1
1	1710035-80	1 ¹ / ₄ " PLG'R x 2" BORE STUFFING BOX	
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.

LIST OF MATERIAL
80T - 3M PLUNGER KIT

A

1	6420421	1 ³ / ₈ " - 1045 UNIVERSAL PACKING	5
1	6420401	1 ¹ / ₄ " - 1045 UNIVERSAL PACKING	
1	6420415	1 ¹ / ₈ " - 1045 UNIVERSAL PACKING	
1	6420419	1" - 1045 UNIVERSAL PACKING	
1	2410031-329	SEAL, STUFFING BOX	4
1	1710304	1 ³ / ₈ " GLAND	3
1	1710303	1 ¹ / ₄ " GLAND	
1	1710302	1 ¹ / ₈ " GLAND	
1	1710301	1" GLAND	2
1	1710025	NUT, ADJUSTING	2
1	1710295-80	1 ³ / ₈ " PLG'R x 2 ¹ / ₈ " BORE STUFFING BOX	1
1	1710295-80	1 ¹ / ₄ " PLG'R x 2 ¹ / ₈ " BORE STUFFING BOX	
1	1710294-80	1 ¹ / ₈ " PLG'R x 1 ⁷ / ₈ " BORE STUFFING BOX	
1	1710294-80	1" PLG'R x 1 ⁷ / ₈ " BORE STUFFING BOX	
QTY REQ'D	PART No.	DESCRIPTION	ITEM No.

LIST OF MATERIAL
80T - 3H PLUNGER KIT



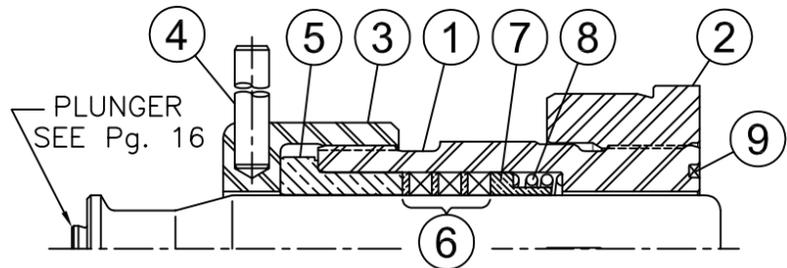
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE ASSEMBLY, PLUNGER KIT
80T-3M/3H TRIPLEX PUMP

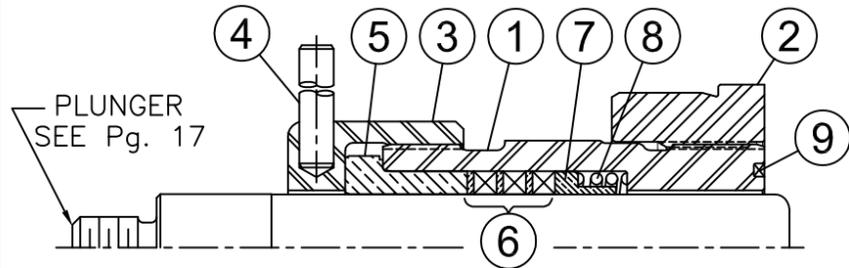
SIZE B	REFERENCE No.	DRAWING No. 1710681-80	REV A
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SCALE N.T.S.	EST WT	SHEET 1 OF 1
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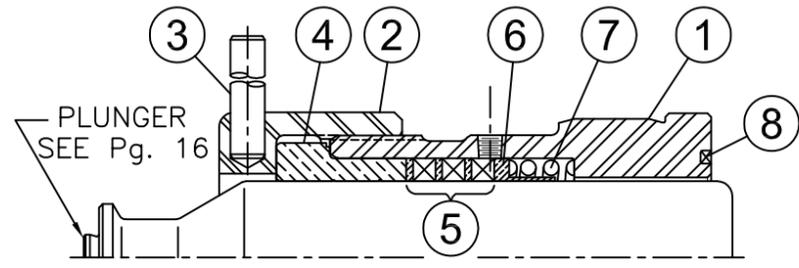
LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	08226279 WAS 08266279	DCP	RPQ	6.06.05	JCA	
B	REMOVED STUFFNG BOX BUSHINGS	DCP	RPQ	2.26.07		



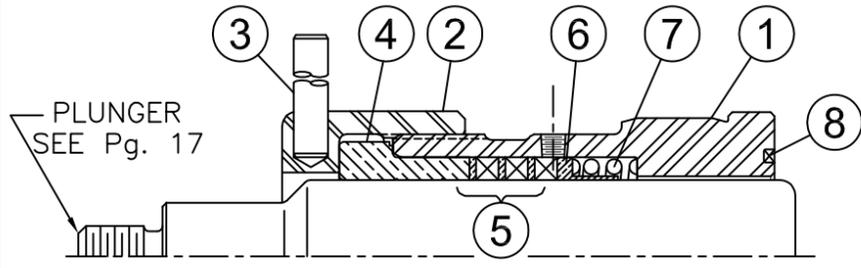
80T-3M (1 3/8" THRU 1 3/4" PLG'R)
PLUNGER KIT WITH CLAMPED PLUNGER



80T-3M (1 3/8" THRU 1 3/4" PLG'R)
PLUNGER KIT WITH THREADED PLUNGER



80T-3L & (80T-3M 1 7/8" & 2" PLG'R)
PLUNGER KIT WITH CLAMPED PLUNGER



80T-3L & (80T-3M 1 7/8" & 2" PLG'R)
PLUNGER KIT WITH THREADED PLUNGER

B

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	2410031-342	SEAL, STUFFING BOX	8
1	342-268	3/4" & 3/8" SPRING	7
1	342-008	2 3/4" & 3" SPRING	
1	342-000	2 1/4" & 2 1/2" SPRING	
1	L342-260	2" SPRING	6
1	342-358	3 3/8" FOLLOWER	
1	342-404	3/4" FOLLOWER	
1	342-015	3" FOLLOWER	
1	342-014	2 3/4" FOLLOWER	
1	342-002	2 1/2" FOLLOWER	
1	342-001	2 1/4" FOLLOWER	5
1	L342-368	2" FOLLOWER	
1	342-756	3 3/8" KEVLAR PACKING	
1	342-843	3/4" KEVLAR PACKING	
1	342-019	3" KEVLAR PACKING	
1	342-018	2 3/4" KEVLAR PACKING	
1	342-004	2 1/2" KEVLAR PACKING	4
1	342-003	2 1/4" KEVLAR PACKING	
1	342-768	2" KEVLAR PACKING	
1	08-800-228	3 3/8" GLAND	
1	08-226-279	3/4" GLAND	
1	342-022	2 3/4" & 3" GLAND	
1	342-006	2 1/2" GLAND	3
1	342-005	2 1/4" GLAND	
1	L342-168	2" GLAND	
1	342-914	PIN, LOCKING	
1	342-986	3/4" & 3 3/8" ADJUSTING NUT	
1	342-961	2 3/4" & 3" ADJUSTING NUT	
1	342-922	2 1/4" & 2 1/2" ADJUSTING NUT	2
1	L342-913	2" ADJUSTING NUT	
1	342-980	3 3/8" PLG'R x 4 1/8" BORE STUFFING BOX	
1	342-980	3/4" PLG'R x 4 1/8" BORE STUFFING BOX	
1	343-096	3" PLG'R x 3 3/4" BORE STUFFING BOX	
1	343-096	2 3/4" PLG'R x 3 3/4" BORE STUFFING BOX	
1	343-095	2 1/2" PLG'R x 3 1/4" BORE STUFFING BOX	1
1	343-095	2 1/4" PLG'R x 3 1/4" BORE STUFFING BOX	
1	343-094	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	343-094	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	343-094	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	343-094	2" PLG'R x 2 3/4" BORE STUFFING BOX	

LIST OF MATERIAL

80T - 3L PLUNGER KIT

B

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	2410031-342	1 7/8" & 2" SEAL, STUFFING BOX	9
1	2410031-332	1 3/8", 1/2", 1 5/8" & 1 3/4" SEAL, STUFFING BOX	8
1	L342-260	1 7/8" & 2" SPRING	
1	L342-240	1/2", 1 5/8" & 1 3/4" SPRING	
1	L342-210	1 3/8" SPRING	7
1	L342-368	2" FOLLOWER	
1	L342-367	1 7/8" FOLLOWER	
1	L342-346	1 3/4" FOLLOWER	
1	L342-345	1 5/8" FOLLOWER	
1	L342-344	1/2" FOLLOWER	
1	L342-313	1 3/8" FOLLOWER	6
1	L342-768	2" KEVLAR PACKING	
1	L342-767	1 7/8" KEVLAR PACKING	
1	L342-746	1 3/4" KEVLAR PACKING	
1	L342-745	1 5/8" KEVLAR PACKING	
1	L342-744	1/2" KEVLAR PACKING	
1	L342-713	1 3/8" KEVLAR PACKING	5
1	L342-168	2" GLAND	
1	L342-167	1 7/8" GLAND	
1	L342-146	1 3/4" GLAND	
1	L342-145	1 5/8" GLAND	
1	L342-144	1/2" GLAND	
1	L342-113	1 3/8" GLAND	4
1	342-914	PIN, LOCKING	
1	L342-913	1 7/8" & 2" ADJUSTING NUT	
1	L342-912	1 3/8", 1/2", 1 5/8" & 1 3/4" ADJUSTING NUT	
1	343-093	1 3/8" - 1 7/8" RETAINER	
1	343-094	2" PLG'R x 2 3/4" BORE STUFFING BOX	
1	343-094	1 7/8" PLG'R x 2 3/4" BORE STUFFING BOX	3
1	L342-902	1 3/4" PLG'R x 2 1/2" BORE STUFFING BOX	
1	L342-902	1 5/8" PLG'R x 2 1/2" BORE STUFFING BOX	
1	L342-902	1 1/2" PLG'R x 2 1/2" BORE STUFFING BOX	
1	342-969	1 3/8" PLG'R x 2 1/8" BORE STUFFING BOX	
1	342-969	1 3/8" PLG'R x 2 1/8" BORE STUFFING BOX	

LIST OF MATERIAL

80T - 3M PLUNGER KIT



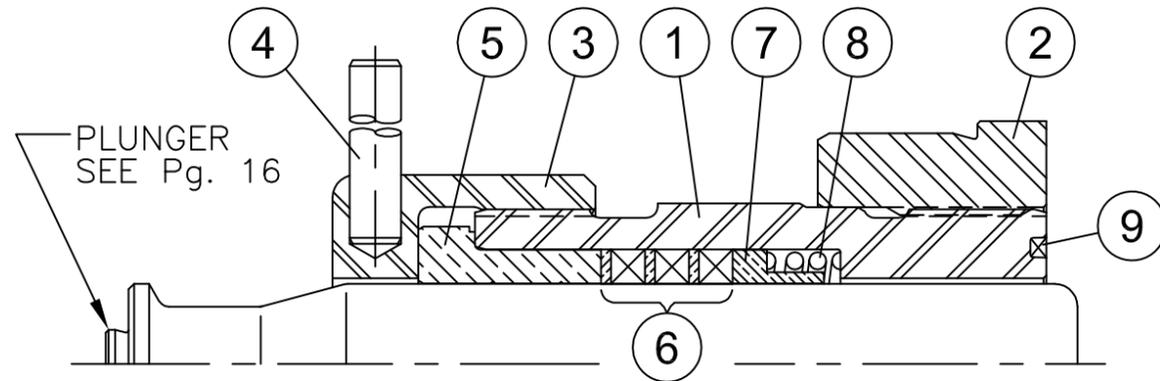
HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

TITLE ASSEMBLY, SS PLUNGER KITS WITH KEVLAR PACKING 80T-3L/3M TRIPLEX PUMP

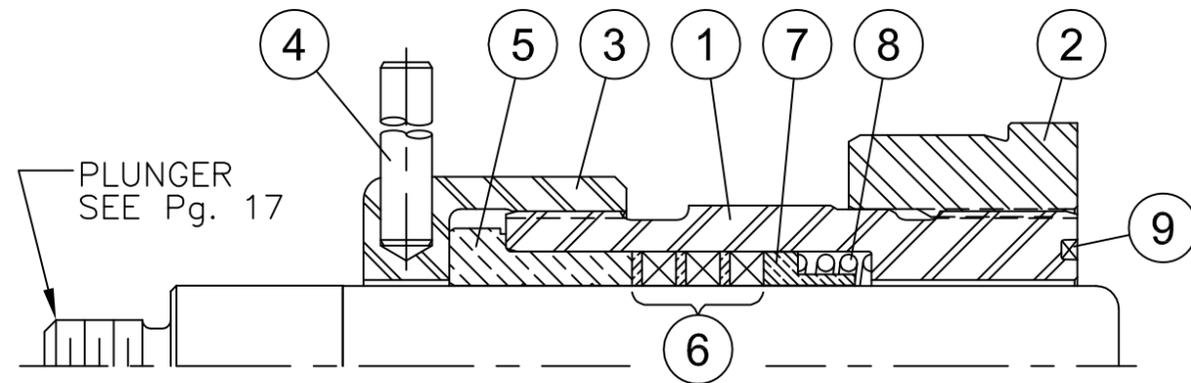
SIZE B REFERENCE No. DRAWING No. 1710682-80 REV B

SCALE N.T.S. EST WT SHEET 1 OF 1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED PART NUMBER 343-093 REMOVED STUFFING BOX BUSHING	DCP	RPQ	2.23.07		



80T-3H PLUNGER KIT
WITH CLAMPED PLUNGER



80T-3H PLUNGER KIT
WITH THREADED PLUNGER

A

1	2410031-329	SEAL, STUFFING BOX	9
1	L342-210	SPRING	8
1	L342-313	1 3/8" FOLLOWER	7
1	L342-312	1 1/4" FOLLOWER	
1	L342-713	1 3/8" KEVLAR PACKING	6
1	L342-712	1 1/4" KEVLAR PACKING	
1	L342-113	1 3/8" GLAND	5
1	L342-112	1 1/4" GLAND	
1	342-914	PIN, LOCKING	4
1	L342-912	NUT, ADJUSTING	3
1	343-093	RETAINER, STUFFING BOX	2
1	L342-901	1 3/8" PLG'R x 2 1/8" BORE STUFFING BOX	1
1	L342-901	1 1/4" PLG'R x 2 1/8" BORE STUFFING BOX	
QTY REQ'D	PART NUMBERS	MATERIAL/SPECIFICATION	ITEM No.

A

LIST OF MATERIAL

80T - 3H PLUNGER KIT

15

NOV NATIONAL OILWELL VARCO

HOUSTON, TEXAS U.S.A. ENGINEERING, McALESTER, OKLAHOMA

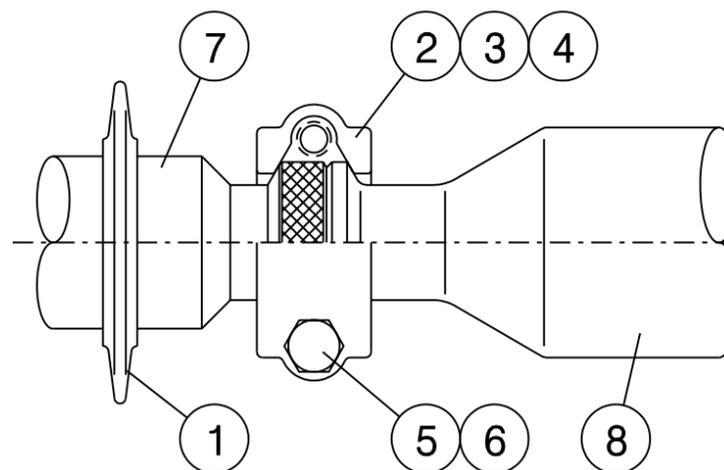
TITLE ASSEMBLY, SS PLUNGER KITS
80T-3H TRIPLEX PLUNGER PUMP

SIZE B REFERENCE No. DRAWING No. 1710683-80 REV A

SCALE N.T.S. EST WT SHEET 1 OF 1

BILL OF MATERIAL

ITEM	PART NO.	DESCRIPTION
1	L340-003	INTERMEDIATE ROD, S.S.
2	L340-001	CLAMP COMPLETE
3	L340-001-1	CLAMP, BOLT HALF
4	L340-001-2	CLAMP, THREAD HALF
5	L195-063	CAPSCREW, HEX HEAD
6	L195-064	WASHER, SPRING LOCK
7	1710018	BAFFLE, INTERMEDIATE ROD



DOUBLE TAPER CLAMP

PLUNGERS FOR DOUBLE TAPER CLAMPS

80T – 3L

ITEM	* PART NO.*	PART NO.	DESCRIPTION	
8	-----	340-275	3 ³ / ₈ " CARBIDE PLUNGER	
	-----	340-276	3 ¹ / ₄ " CARBIDE PLUNGER	
	1710428	340-130	3" CARBIDE PLUNGER	
	1710427	340-129	2 ³ / ₄ " CARBIDE PLUNGER	
	1710426	340-006	2 ¹ / ₂ " CARBIDE PLUNGER	
	1710425	340-005	2 ¹ / ₄ " CARBIDE PLUNGER	
	1710424	340-128	2" CARBIDE PLUNGER	
	1710423	340-126	1 ³ / ₄ " CARBIDE PLUNGER	
80T – 3M				
		1710424	340-128	2" CARBIDE PLUNGER
		-----	340-127	1 ⁷ / ₈ " CARBIDE PLUNGER
		1710423	340-126	1 ³ / ₄ " CARBIDE PLUNGER
		1710422	340-125	1 ⁵ / ₈ " CARBIDE PLUNGER
		1710421	340-124	1 ¹ / ₂ " CARBIDE PLUNGER
80T – 3H				
		1710420	L340-123	1 ³ / ₈ " CARBIDE PLUNGER
		1710419	L340-122	1 ¹ / ₄ " CARBIDE PLUNGER
		1710418	340-121	1 ¹ / ₈ " CARBIDE PLUNGER
		1710417	340-120	1" CARBIDE PLUNGER

PLUNGERS FOR DOUBLE TAPER CLAMPS

80T – 3L

ITEM	PART NO.	DESCRIPTION	
8	-----	3 ³ / ₈ " CERAMIC PLUNGER	
	-----	3 ¹ / ₄ " CERAMIC PLUNGER	
	1710468	3" CERAMIC PLUNGER	
	1710467	2 ³ / ₄ " CERAMIC PLUNGER	
	1710466	2 ¹ / ₂ " CERAMIC PLUNGER	
	1710465	2 ¹ / ₄ " CERAMIC PLUNGER	
	1710464	2" CERAMIC PLUNGER	
	1710463	1 ³ / ₄ " CERAMIC PLUNGER	
80T – 3M			
		1710464	2" CERAMIC PLUNGER
		-----	1 ⁷ / ₈ " CERAMIC PLUNGER
		1710463	1 ³ / ₄ " CERAMIC PLUNGER
		1710462	1 ⁵ / ₈ " CERAMIC PLUNGER
		1710461	1 ¹ / ₂ " CERAMIC PLUNGER
80T – 3H			
		-----	1 ³ / ₈ " CERAMIC PLUNGER
		-----	1 ¹ / ₄ " CERAMIC PLUNGER
		-----	1 ¹ / ₈ " CERAMIC PLUNGER
		-----	1" CERAMIC PLUNGER

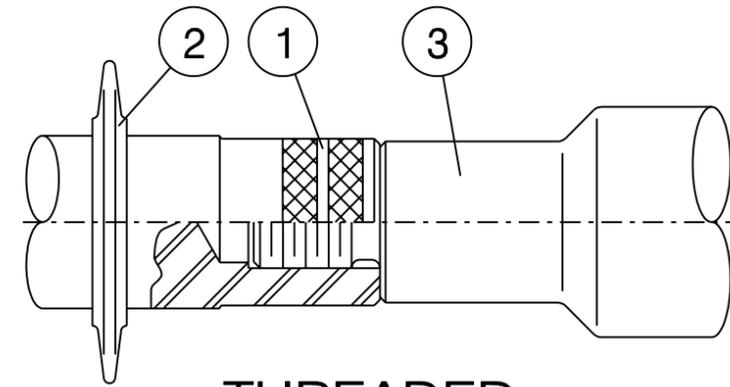
* LISTED PART NO.'s WERE PREVIOUSLY HARD COAT PLUNGERS



TITLE PLUNGER/INTERMEDIATE ROD ASSY.
DOUBLE TAPER CLAMP
80T-3 PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1710684-80	REV
SCALE 1 / 2	EST WT	SHEET 1 OF 1	

BILL OF MATERIAL		
ITEM	PART NO.	DESCRIPTION
1	340-021	INTERMEDIATE ROD, S.S.
2	1710018	BAFFLE, INTERMEDIATE ROD



THREADED

THREADED PLUNGERS				
80T - 3L				
ITEM	* PART NO.*	PART NO.	DESCRIPTION	
3	-----	1710932-80	3 ³ / ₈ " CARBIDE PLUNGER	
	-----	1710934-80	3 ¹ / ₄ " CARBIDE PLUNGER	
	1710048	340-300	3" CARBIDE PLUNGER	
	1710047	340-171	2 ³ / ₄ " CARBIDE PLUNGER	
	1710046	340-170	2 ¹ / ₂ " CARBIDE PLUNGER	
	1710045	340-169	2 ¹ / ₄ " CARBIDE PLUNGER	
	1710044	340-168	2" CARBIDE PLUNGER	
	1710043	340-166	1 ³ / ₄ " CARBIDE PLUNGER	
80T - 3M				
		1710044	340-168	2" CARBIDE PLUNGER
	-----	340-167	1 ⁷ / ₈ " CARBIDE PLUNGER	
	1710043	340-166	1 ³ / ₄ " CARBIDE PLUNGER	
	1710042	L340-165	1 ⁵ / ₈ " CARBIDE PLUNGER	
	1710041	340-164	1 ¹ / ₂ " CARBIDE PLUNGER	
80T - 3H				
	1710040	340-163	1 ³ / ₈ " CARBIDE PLUNGER	
	1710039	340-162	1 ¹ / ₄ " CARBIDE PLUNGER	
	1710297	L340-161	1 ¹ / ₈ " CARBIDE PLUNGER	
	1710296	340-160	1" CARBIDE PLUNGER	

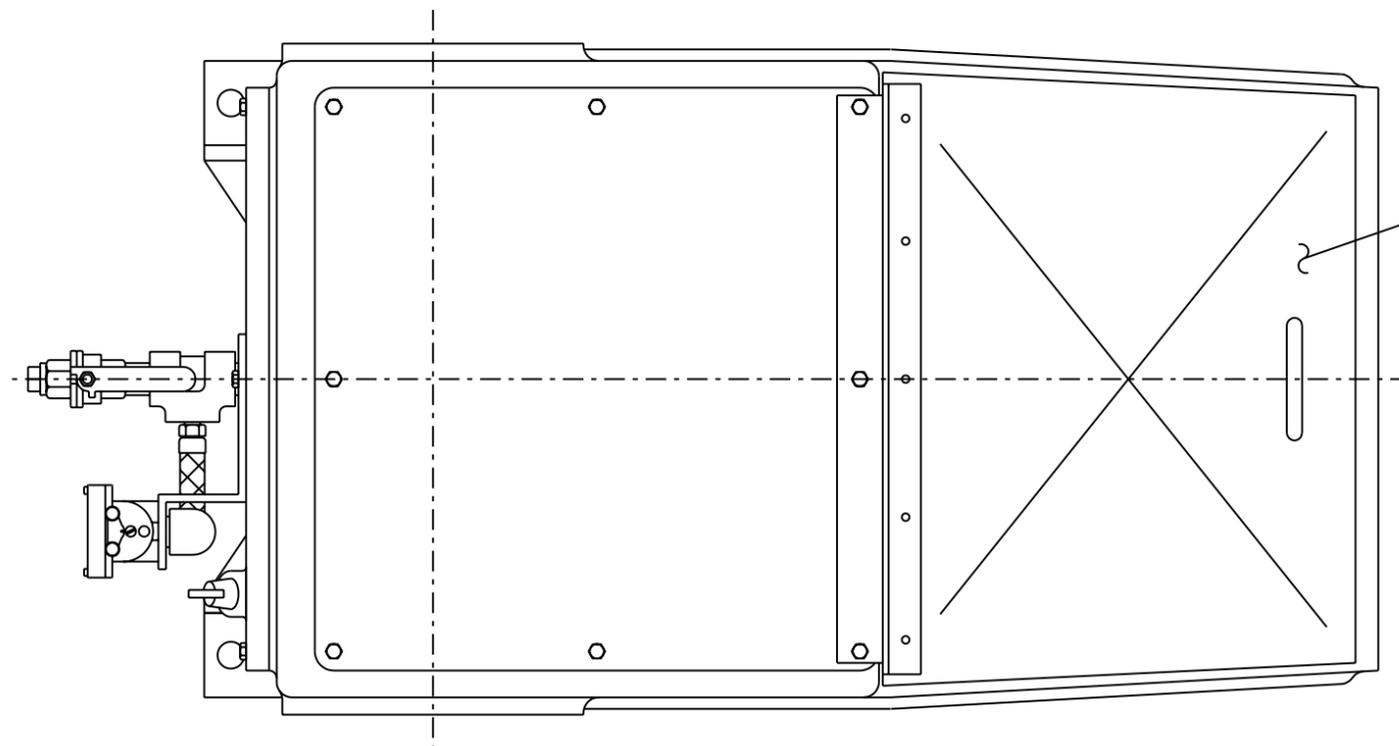
THREADED PLUNGERS		
80T - 3L		
ITEM	PART NO.	DESCRIPTION
3	1710933-80	3 ³ / ₈ " CERAMIC PLUNGER
	1710935-80	3 ¹ / ₄ " CERAMIC PLUNGER
	1710082	3" CERAMIC PLUNGER
	1710081	2 ³ / ₄ " CERAMIC PLUNGER
	1710080	2 ¹ / ₂ " CERAMIC PLUNGER
	1710079	2 ¹ / ₄ " CERAMIC PLUNGER
	1710078	2" CERAMIC PLUNGER
	1710072	1 ³ / ₄ " CERAMIC PLUNGER
80T - 3M		
	1710078	2" CERAMIC PLUNGER
	-----	1 ⁷ / ₈ " CERAMIC PLUNGER
	1710072	1 ³ / ₄ " CERAMIC PLUNGER
	1710299	1 ⁵ / ₈ " CERAMIC PLUNGER
	1710137	1 ¹ / ₂ " CERAMIC PLUNGER
80T - 3H		
	-----	1 ³ / ₈ " CERAMIC PLUNGER
	07970742	1 ¹ / ₄ " CERAMIC PLUNGER
	-----	1 ¹ / ₈ " CERAMIC PLUNGER
	-----	1" CERAMIC PLUNGER

* LISTED PART NO.'s WERE PREVIOUSLY HARD COAT PLUNGERS

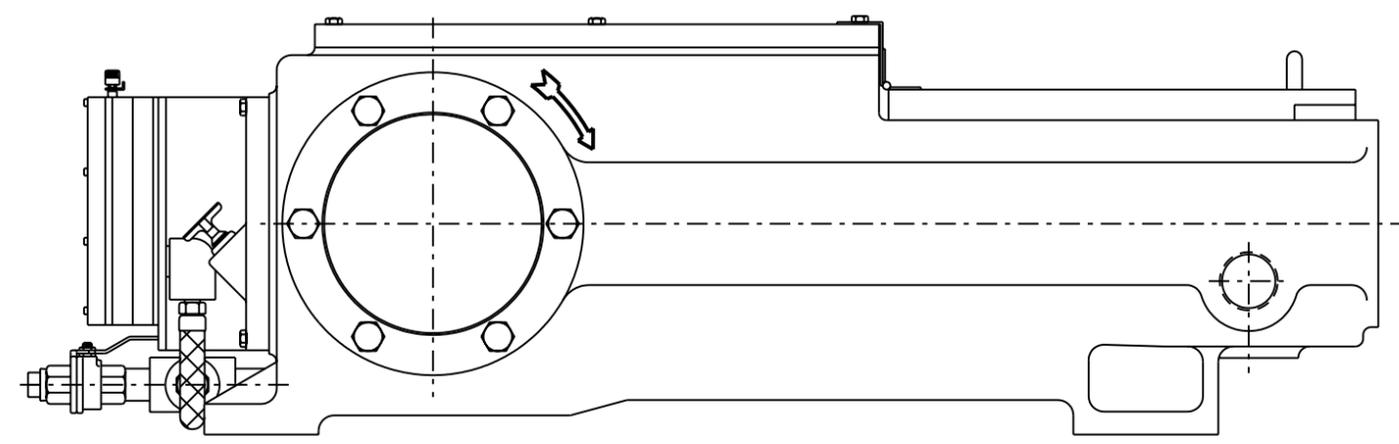
NOV NATIONAL OILWELL VARCO

TITLE
PLUNGER/INTERMEDIATE ROD ASSY.
THREADED PLUNGER
80T-3 PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1710685-80	REV
SCALE 1/2	EST WT	SHEET 1 OF 1	

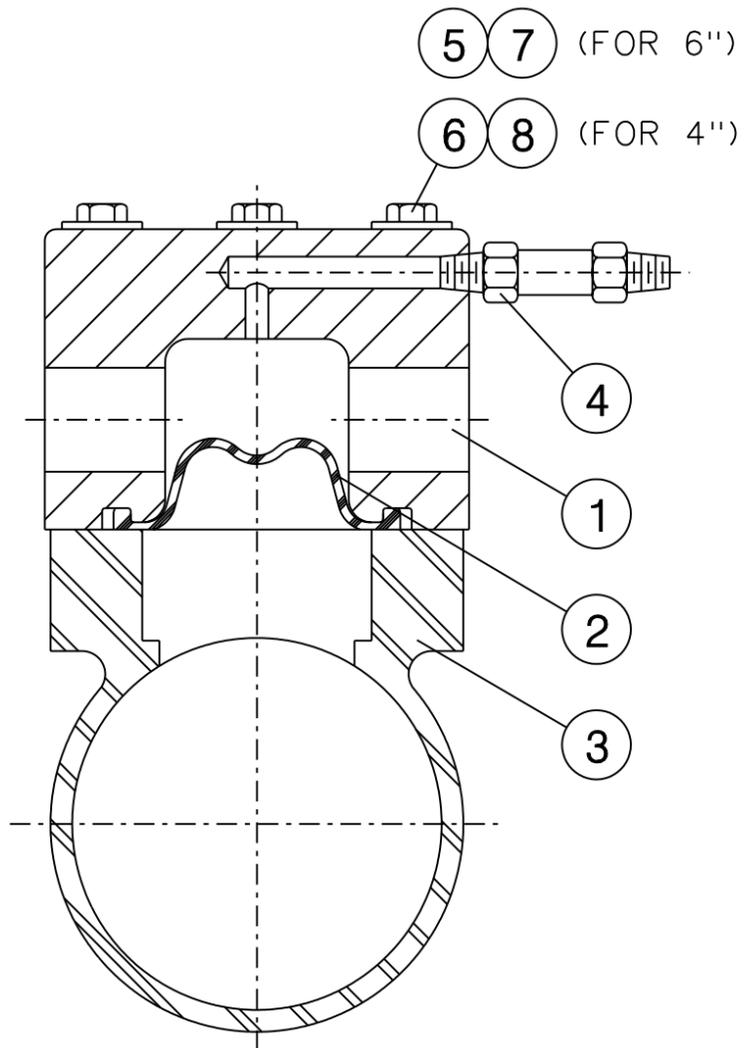


PLUNGER CHAMBER COVER
P/N 1710154 (14 GA. STL.)



OIL LEVEL SWITCH ASSY.
(TYPICAL ARRANGEMENT)
MURPHY L-129 SHOWN
SWITCH MODEL, LOCATION & PIPING ARRANGEMENT
WILL VARY DEPENDING ON APPLICATION

NOV NATIONAL OILWELL VARCO			
TITLE OPTIONAL ACCESSORIES 80T-3 TRIPLEX PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1710687-80	REV
SCALE 1/6	EST WT	SHEET 1 OF 1	



14	7600020	WASHER, 5/16" (FOR 4")	14
18	7600032	WASHER, 1/2" (FOR 6")	13
14	7000157-11	CAPSCREW, 5/16-18 x 1" LG. (FOR 4")	12
18	7000304-11	CAPSCREW, 1/2-13 x 1 1/4" LG. (FOR 6")	11
1	1712218	GASKET, BLANKING PLATE (FOR 6")	10
1	6000004	GASKET, BLANKING PLATE (FOR 4")	
1	1712217	PLATE, BLANKING (FOR 6")	9
1	X17-1569	PLATE, BLANKING (FOR 4")	
14	7600020	WASHER, 5/16" (FOR 4")	8
18	7600032	WASHER, 1/2" (FOR 6")	7
14	7000168-11	CAPSCREW, 5/16-18 x 3 3/4" LG. (FOR 4")	6
18	7000316-11	CAPSCREW, 1/2-13 x 4" LG. (FOR 6")	5
1	7500021	CHECK VALVE, 1/8" (FOR 4" & 6")	4
1	1712251	6" PIPE BODY	3
1	1712250	4" PIPE BODY	
1	1712327	6" DIAPHRAGM	2
1	1712262	4" DIAPHRAGM	
1	1712328	6" DAMPENER	1
1	1712243	4" DAMPENER	
	1712253	DAMPENER COMPLETE - 6" (28" LG.)	
	1712252	DAMPENER COMPLETE - 4" (25 1/2" LG.)	
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

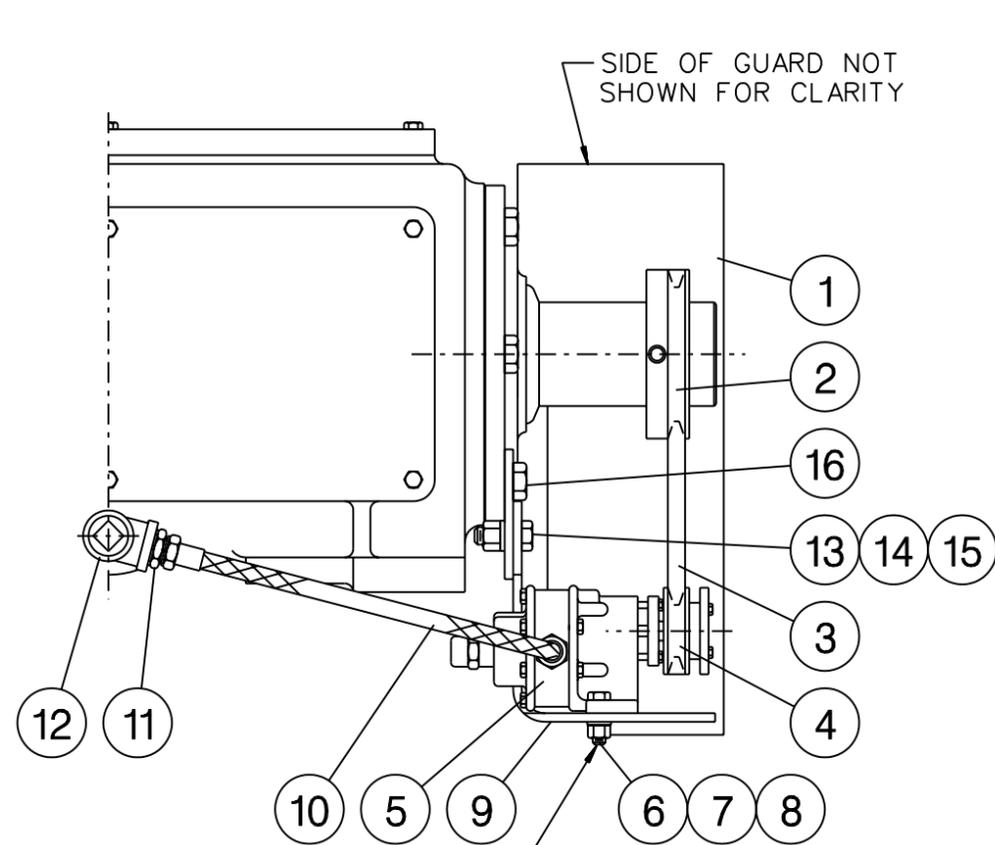
LIST OF MATERIAL

NOV NATIONAL OILWELL VARCO

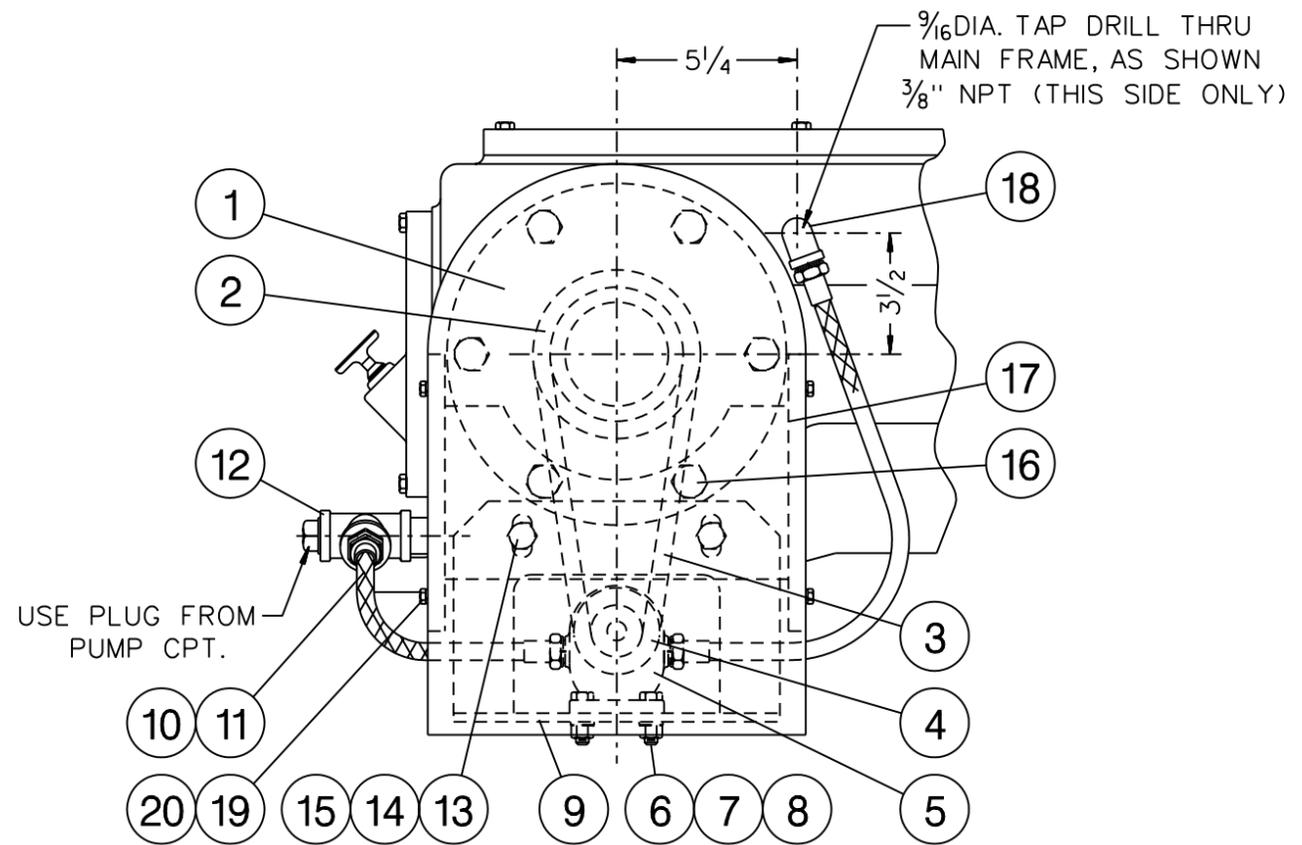
TITLE LOW PRESSURE PLASTIC BODY
IN-LINE SUCTION DAMPENER (WELD-ON)
PLUNGER PUMPS

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710688-80	
SCALE	EST WT	SHEET 1 OF 1	
1/2			

* L/M FOR BLANKING PLATE ASSEMBLY
ITEMS #9 THRU #14 ARE NOT SHOWN



MOUNT PUMP AS SHOWN USING THE
(2) REAR MOUNTING HOLES IN PUMP FOOT



USE PLUG FROM
PUMP CPT.

QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
4	7602033	WASHER, 1/4" SPRING	20
4	7000106-11	CAPSCREW, 1/4"-20 x 3/4" LG. HEX HEAD	19
1	6829003	ELBOW, STREET 3/8" x 90° 150*	18
1	1710385	PLATE, MOUNTING - AUX. LUBE	17
2	2405083	CAPSCREW, 5/8"-11 x 1 3/4" LG. DRILLED HEX HEAD	16
2	7602050	WASHER, 1/2" SPRING	15
2	6300080	NUT, 1/2"-13 HEX	14
2	7000304-11	CAPSCREW, 1/2"-13 x 1 1/4" LG. HEX HEAD	13
1	6890006	TEE, 3/4" 150* - SERVICE	12
1	6800061	BUSHING, PIPE - 3/4" (M) x 3/8" (F)	11
2	1712304	HOSE ASSEMBLY, 3/8" x 20" LG.	10
1	1709285	BRACKET, LUBE PUMP	9
2	7602041	WASHER, 3/8" SPRING	8
2	6300060	NUT, 3/8"-16 HEX	7
2	7000209-11	CAPSCREW, 3/8"-16 x 1 1/4" LG. HEX HEAD	6
1	7815070	PUMP, B&S #1 WORV MODEL 713-1-1	5
1	7200024	SHEAVE, PUMP (2.5" P.D.-1A w/9/16 DIA. BORE)	4
1	4712280	BELT, 2280 GATES - "A" SECT.	3
1	1710124	SHEAVE, DRIVER (4.6" P.D.)	2
1	1710384	GUARD, LUBE PUMP	1

*

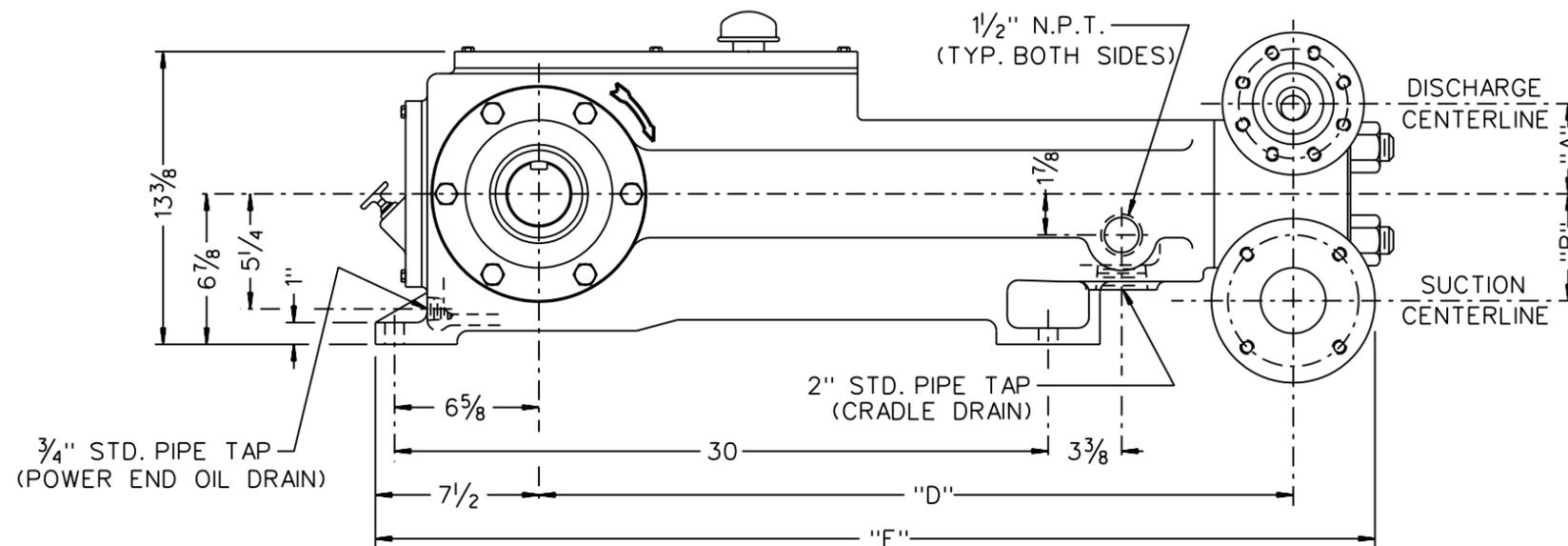
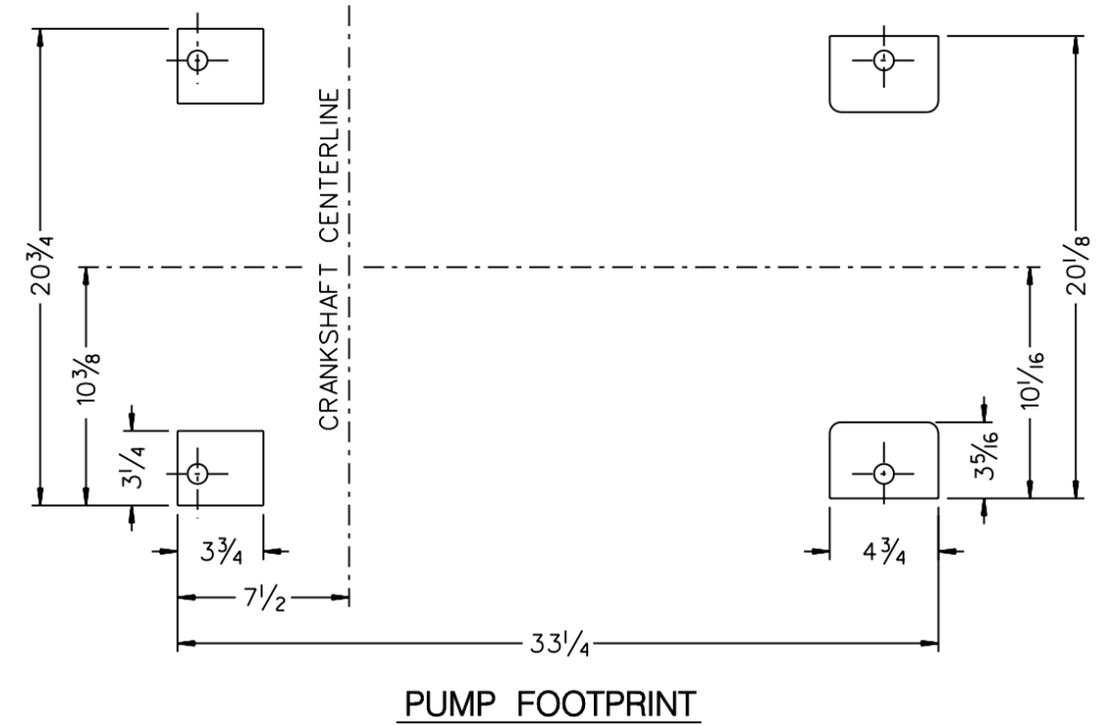
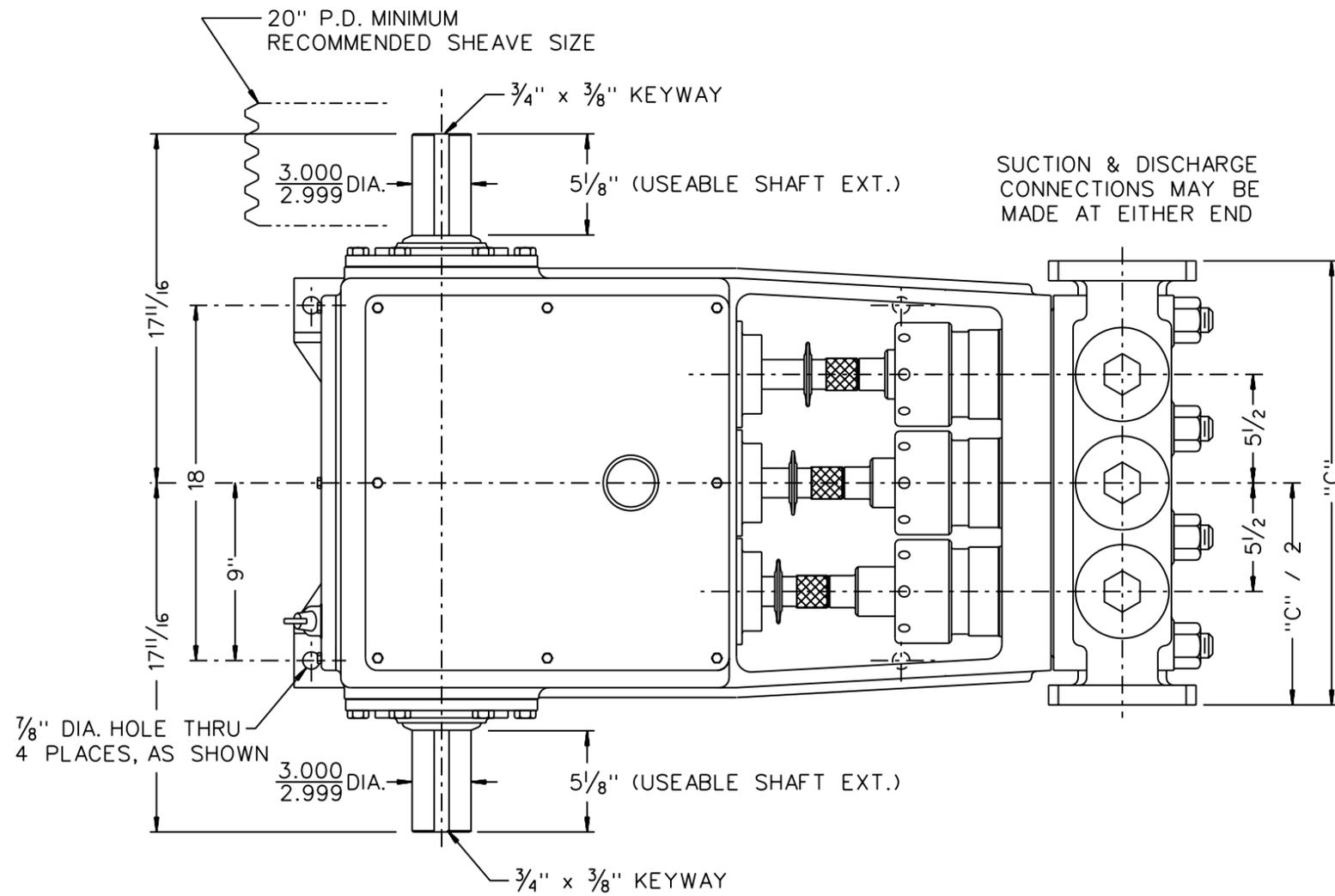
* USE LUBE PUMP GUARD, C/N 1710386
WHEN LUBRICATOR IS ADDED

NATIONAL OILWELL VARCO

TITLE
AUX. LUBE SYSTEM - SLOW SPEED
80T-3 TRIPLEX PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1710689-80	

SCALE	EST WT	SHEET
3/16		1 OF 1



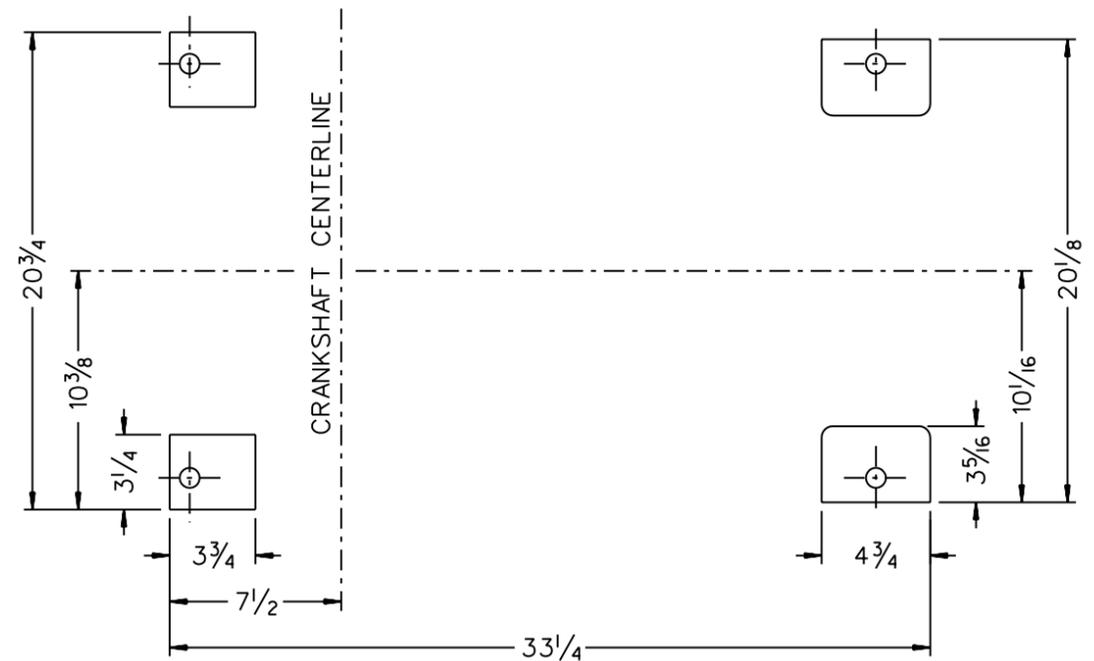
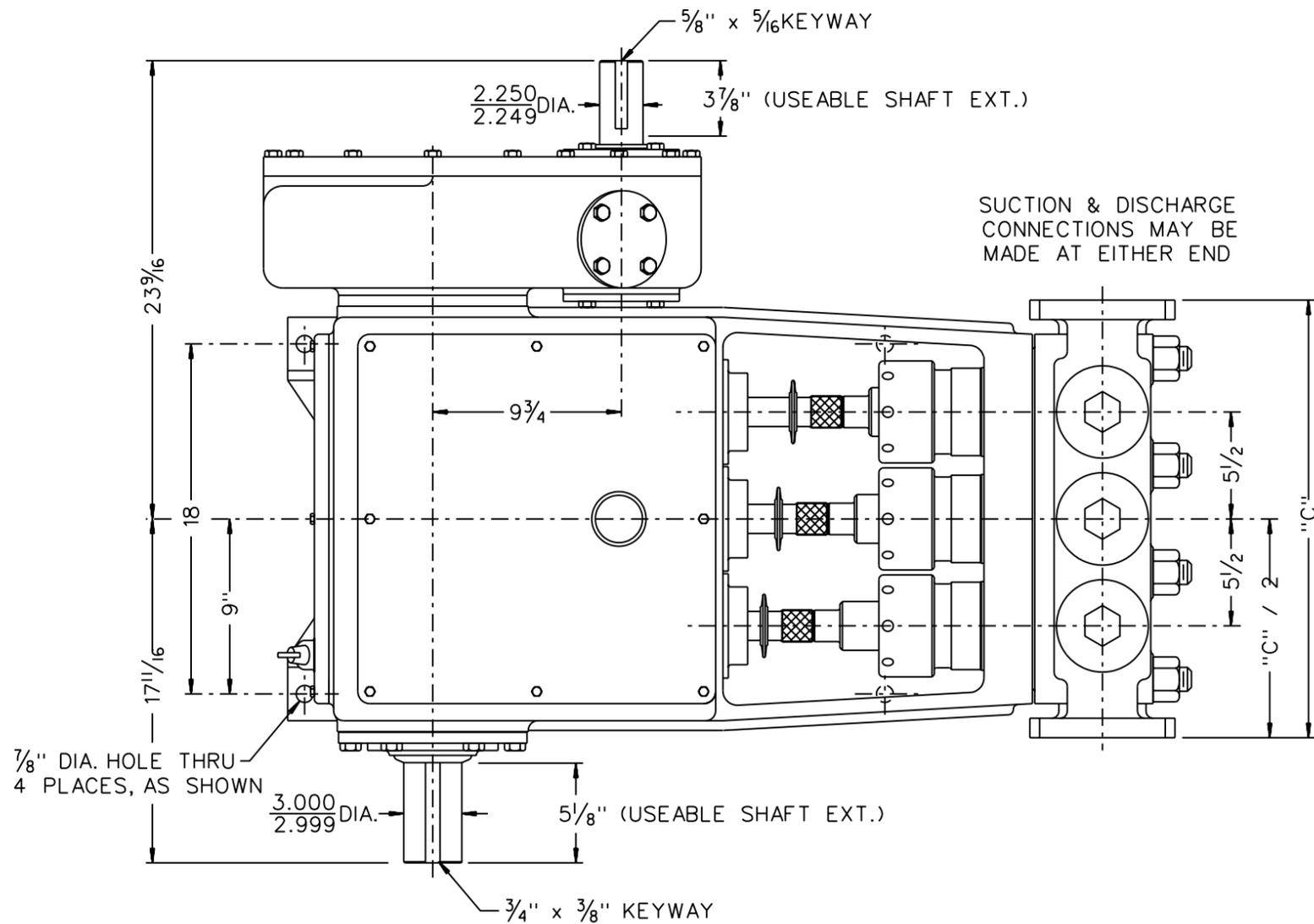
PUMP TYPE	DISCHARGE CONNECTION	SUCTION CONNECTION	DIMENSIONS IN INCHES				
			A	B	C	D	E
80T-3L (FLANGED)	2" API-2000* R.J.	3" ANSI-150* F.F.	$4\frac{1}{8}$	$4\frac{7}{8}$	$22\frac{1}{2}$	$34\frac{5}{8}$	$45\frac{7}{8}$
80T-3L (THREADED)	2" N.P.T.	3" N.P.T.	$4\frac{1}{8}$	$4\frac{7}{8}$	$20\frac{1}{2}$	$34\frac{5}{8}$	$44\frac{3}{4}$
80T-3M	$1\frac{1}{2}$ " API-5000* R.J.	$2\frac{1}{2}$ " ANSI-150* F.F.	4	$4\frac{1}{2}$	$22\frac{1}{4}$	$34\frac{5}{8}$	$44\frac{3}{4}$
80T-3H	$1\frac{1}{4}$ " ANSI-2500* R.J.	$2\frac{1}{2}$ " ANSI-300* F.F.	4	$4\frac{1}{2}$	$22\frac{5}{8}$	$34\frac{5}{8}$	$45\frac{7}{8}$

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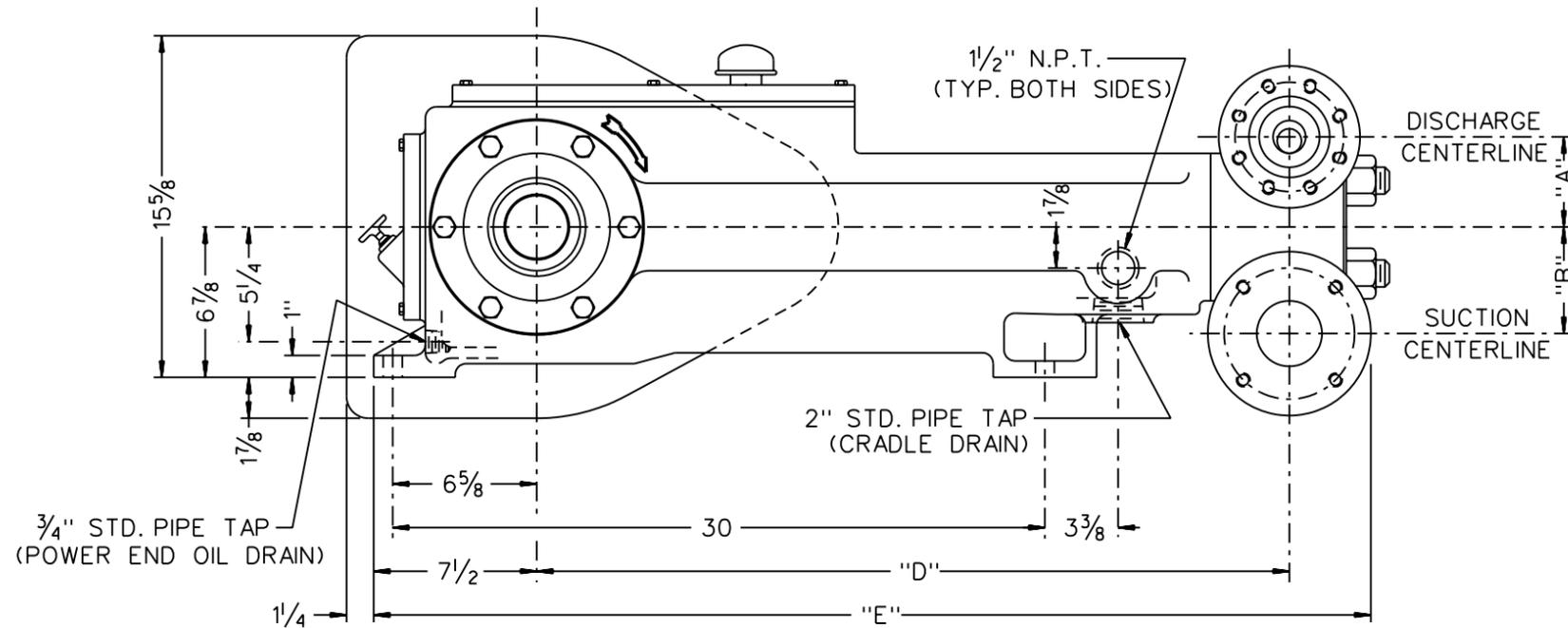
TITLE
 80T-3 TRIPLEX PLUNGER PUMP
 WITHOUT GEAR REDUCER

SIZE B	REFERENCE No.	DRAWING No. 1710690-80	REV
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80T-3L MODEL IS SHOWN SCALE 1/8 EST WT 1195# SHEET 1 OF 1



PUMP FOOTPRINT



PUMP TYPE	DISCHARGE CONNECTION	SUCTION CONNECTION	DIMENSIONS IN INCHES				
			A	B	C	D	E
80T-3L (FLANGED)	2" API-2000* R.J.	3" ANSI-150* F.F.	4 1/8	4 7/8	22 1/2	34 5/8	45 7/8
80T-3L (THREADED)	2" N.P.T.	3" N.P.T.	4 1/8	4 7/8	20 1/2	34 5/8	44 3/4
80T-3M	1 1/2" API-5000* R.J.	2 1/2" ANSI-150* F.F.	4	4 1/2	22 1/4	34 5/8	44 3/4
80T-3H	1 1/4" ANSI-2500* R.J.	2 1/2" ANSI-300* F.F.	4	4 1/2	22 5/8	34 5/8	45 7/8

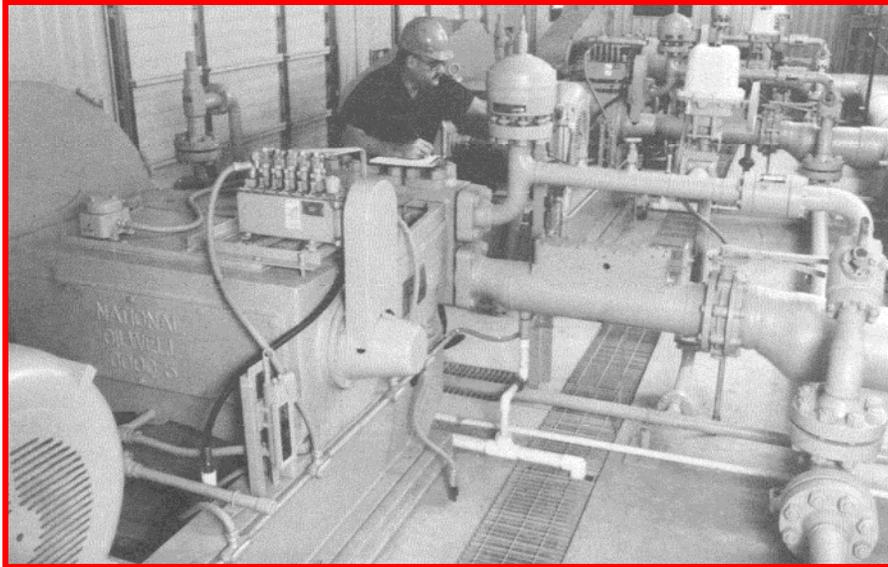
NOV NATIONAL OILWELL VARCO

TITLE
OUTLINE DRAWING
80T-3 TRIPLEX PLUNGER PUMP
WITH GEAR REDUCER

SIZE B REFERENCE No. DRAWING No. 1710691-80 REV

80T-3L MODEL IS SHOWN SCALE 1/8 EST WT 1510# SHEET 1 OF 1

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