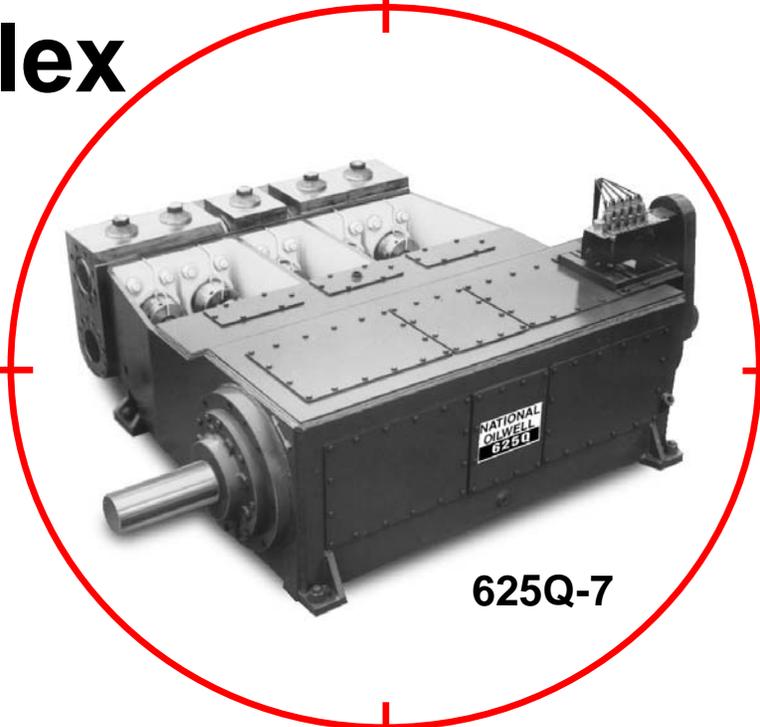
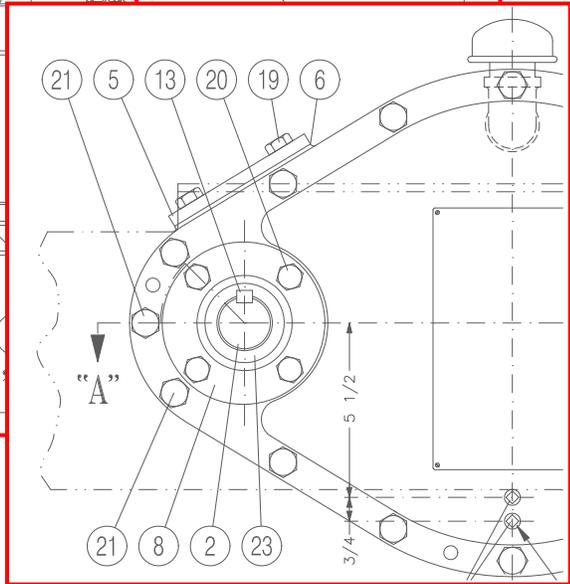
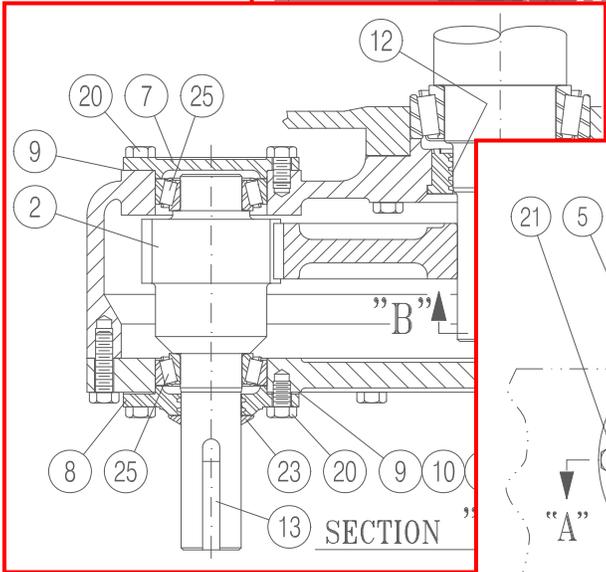
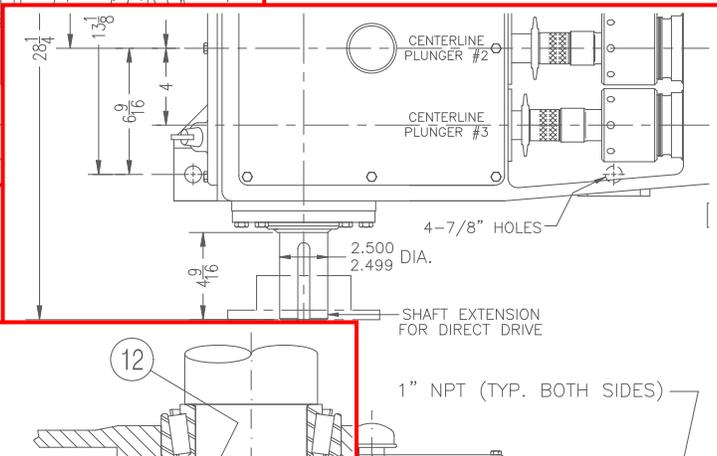
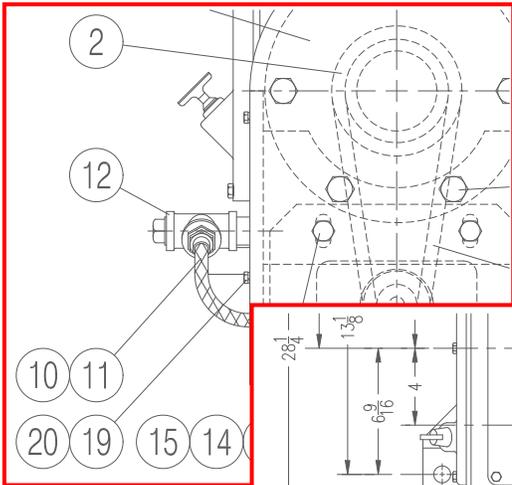


# 625Q-7 Quintuplex Plunger Pump

## Parts List



**625Q-7**

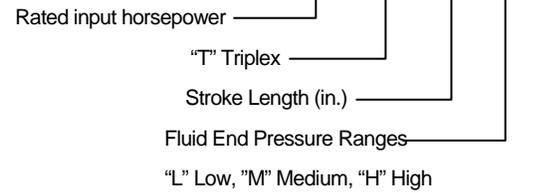
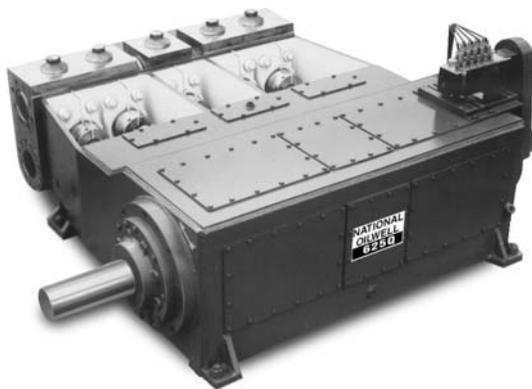


**Types:**  
 625Q-7L  
 625Q-7M  
 625Q-7H

**Sales / Technical Information**

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

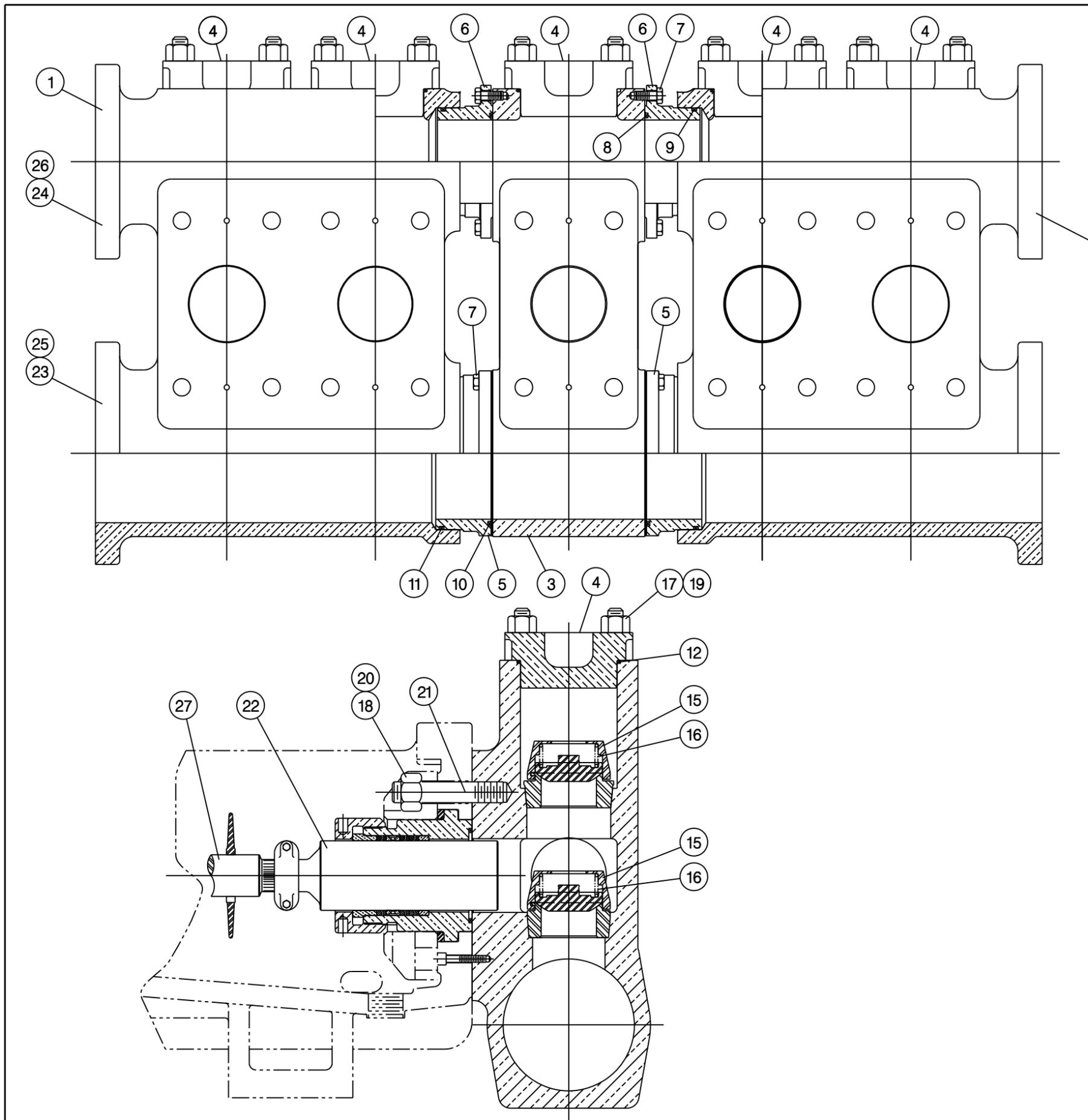
REVISED: SEPTEMBER 4, 2007  
 REVISED: FEBRUARY 17, 2005  
 ISSUE: MARCH 1, 2000



## Index and Check List:

PAGE	DWG. NUMBER	DESCRIPTION	SERIES OF ISSUE	DATE OF ISSUE
1	1715505	ASSEMBLY, FLUID END, 625T-7L – ALUM. BRZ.	THIRD	9-3-07
2	1715506	ASSEMBLY, FLUID END, 625T-7M – ALUM. BRZ.	FIFTH	9-3-07
3	1715507	ASSEMBLY, FLUID END, 625T-7HCB – ALUM. BRZ.	THIRD	9-3-07
4	1715508	ASSEMBLY, FLUID END, 625T-7H – ALUM. BRZ.	THIRD	9-3-07
5	1715509	POWER END ASSEMBLY	SECOND	1-24-05
6	1715510	CRANKSHAFT ASSEMBLY	FIRST	05-15-00
7	1715511	SEVERE DUTY VALVE ASSEMBLY	SECOND	9-3-07
8	1715512	CAGE VALVE SERVICE – BOTTOM GUIDED	FIRST	05-15-00
9	1715513	VALVE SERVICE KITS – SPHERICAL TAPERED SEATS	SECOND	9-3-07
10	1715514	VALVE SERVICE KITS – CAGE TYPE	FIRST	05-15-00
11	1715515	PLUNGER KIT ASSEMBLY – 625T-7L AND 625T-7M	SECOND	10-30-01
12	1715516	PLUNGER KIT ASSEMBLY – 625T-7H	SECOND	10-30-01
13	1715517	S.S. PLUNGER KITS W/ KEVLAR PACKING – 625T-7L AND 625T-7M	SECOND	10-30-01
14	1715518	S.S. PLUNGER KITS W/ KEVLAR PACKING – 625T-7H	SECOND	10-30-01
15	1715519	PLUNGER W/ INTERM. ROD ASSY. – CLAMP	FIRST	05-15-00
16	1715520	LUBRICATOR PIPING ASSY.	FIRST	05-15-00
17	1715521	PIPING, INTERNAL OIL LUBRICATION	FOURTH	01-27-04
18	1715522	OPTIONAL ACCESSORIES	FIRST	05-15-00
19	1715523	HIGH PRESSURE IN-LINE SUCTION DAMPENER	FIRST	05-15-00
20	1715524	625T-7 OUTLINE DRAWING	FIRST	05-15-00

Revisions effective September 3, 2007 – updated logo and phone numbers; corrected series of issue and dates on this index; drawing number 1715511 was Durabla Tapered Seat; revised pages 1 thru 4 and 9.



LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPO	10.24.01	JCA	
B	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPO	9.3.07		

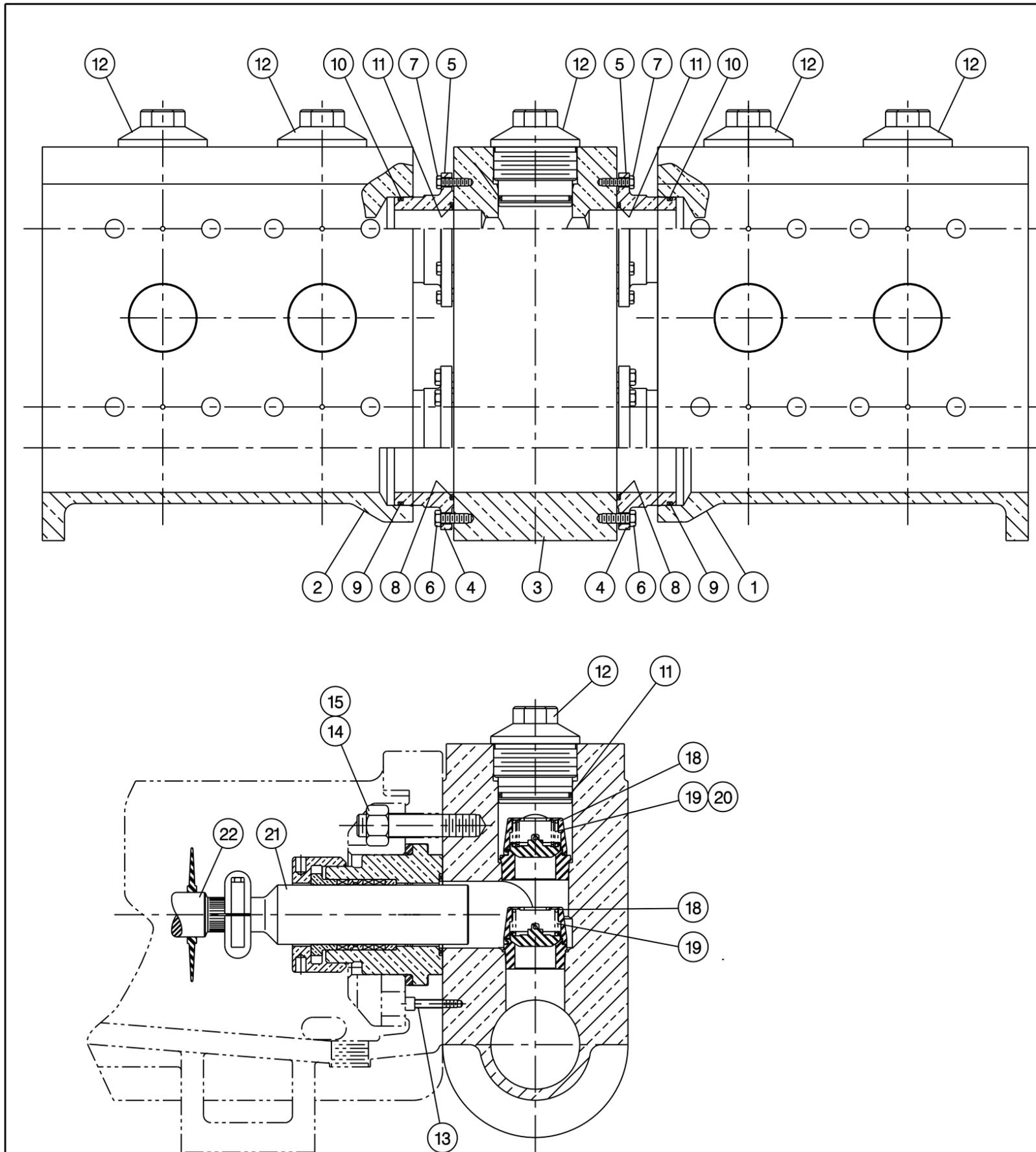
QTY REQD	PART NO.	DESCRIPTION	ITEM NO.
5	SEE PG. 15	INTERMEDIATE ROD (CLAMP TYPE)	27
24	700052910	CAPSCREW, 1" -8 x 3 3/4 LG. HEX HD.- DISCHARGE	26
24	700048510	CAPSCREW, 7/8-9 x 3 LG. HEX HD.- SUCTION	25
2	6908049	RING, OVAL JOINT R45	24
2	6010030	GASKET, 10" FLAT RING	23
5	SEE PGS. 11-14	STANDARD PLUNGER KIT SELECTION	22
10	7006309	CAPSCREW, 1/2-13 x 2 1/4 SOC. HD.	21
20	6300240	NUT, 1/2-6 HEAVY HEX	20
20	6300220	NUT, 1 3/8-6 HEAVY HEX	19
20	49010364	STUD, 1/2-6 x 7 3/4 LG.	18
20	16492747	STUD, 1 3/8-6 x 5 3/4 LG.	17
1	1795025	SPRING, OUTER	16
1	17950246	RETAINER	15
5	179502025	VALVE COMPLETE, SPHERICAL-SUCT.	14
5	179502225	VALVE COMPLETE, SPHERICAL-DISCH.	13
5	2410031-441	SEAL, TOP COVER	12
2	2410031-450	SEAL, CONNECTOR - SUCTION, BORE END	11
2	2410031-449	SEAL, CONNECTOR - SUCTION, FLANGE END	10
2	2410031-442	SEAL, CONNECTOR - DISCHARGE, BORE END	9
2	2410031-439	SEAL, CONNECTOR - DISCHARGE, FLANGE END	8
16	700039511	CAPSCREW, 5/8-11 x 1 1/2 LG HEX HD	7
2	171520114	CONNECTOR, MODULE - 6" DISCHARGE	6
2	171520014	CONNECTOR, MODULE - 10" SUCTION	5
5	171523914	PLATE, TOP COVER	4
1	171524314	CYLINDER ONLY, CENTER MODULE	3
1	171524614	CYLINDER ONLY, RIGHT HAND MODULE	2
1	171524014	CYLINDER ONLY, LEFT HAND MODULE	1

\* ITEM NOT SHOWN

**NOV NATIONAL OILWELL VARCO**

TITLE: FLUID END ASSEMBLY  
625Q-7L14SF

SIZE B	REFERENCE No.	DRAWING No. 1715505	REV B
SCALE NONE	EST WT	SHEET	



LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED SPACER RETAINER RING	DCP	RPQ	10.30.01	JCA	
B	REVISED	WFL	RPQ	1.21.04	JCA	
C	REVISED SUCTION WALL THICKNESS	DCP	RPQ	1.31.05	JCA	
D	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	9.3.07		

5	SEE PG. 15	ROD, INTERMEDIATE	22
5	SEE PG'S 11-14	PLUNGER KIT SELECTION	21
1	1794026	SPRING, INNER	20
1	1794025	SPRING, OUTER	19
1	17940246	RETAINER	18
5	179402225	VALVE, CPT. - 4" DISCH.	17
5	179402025	VALVE, CPT. - 4" SUCT.	16
20	6300240	NUT, 1/2-6 HEAVY HEX	15
20	49-010-364	STUD, 1/2-6 x 7 3/4" LG.	14
10	7006309	CAPSCREW, 1/2-13 x 2 1/4" LG. SOC. HEAD	13
5	171522914	COVER, CYLINDER TOP	12
7	2410031425	PACKING, TOP COVER - 5.005 x 4.475 x .26	11
2	2410031431	PACKING, CONNECTOR - 5.755 x 5.225 x .26	10
2	2410031442	PACKING, CONNECTOR - 7.775 x 7.225 x .26	9
2	2410031439	PACKING, CONNECTOR - 7.005 x 6.475 x .26	8
12	700030611	CAPSCREW, 1/2-13 x 1 3/4" LG. HEX HEAD	7
12	700039611	CAPSCREW, 5/8-11 x 1 3/4" LG. HEX HEAD	6
2	171520214	CONNECTOR, MODULE - 4" DISCHARGE	5
2	171520114	CONNECTOR, MODULE - 6" SUCTION	4
1	171522314	CYLINDER ONLY, CENTER MODULE	3
1	171522614	CYLINDER ONLY, RIGHT HAND MODULE	2
1	171522014	CYLINDER ONLY, LEFT HAND MODULE	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

LIST OF MATERIAL

2

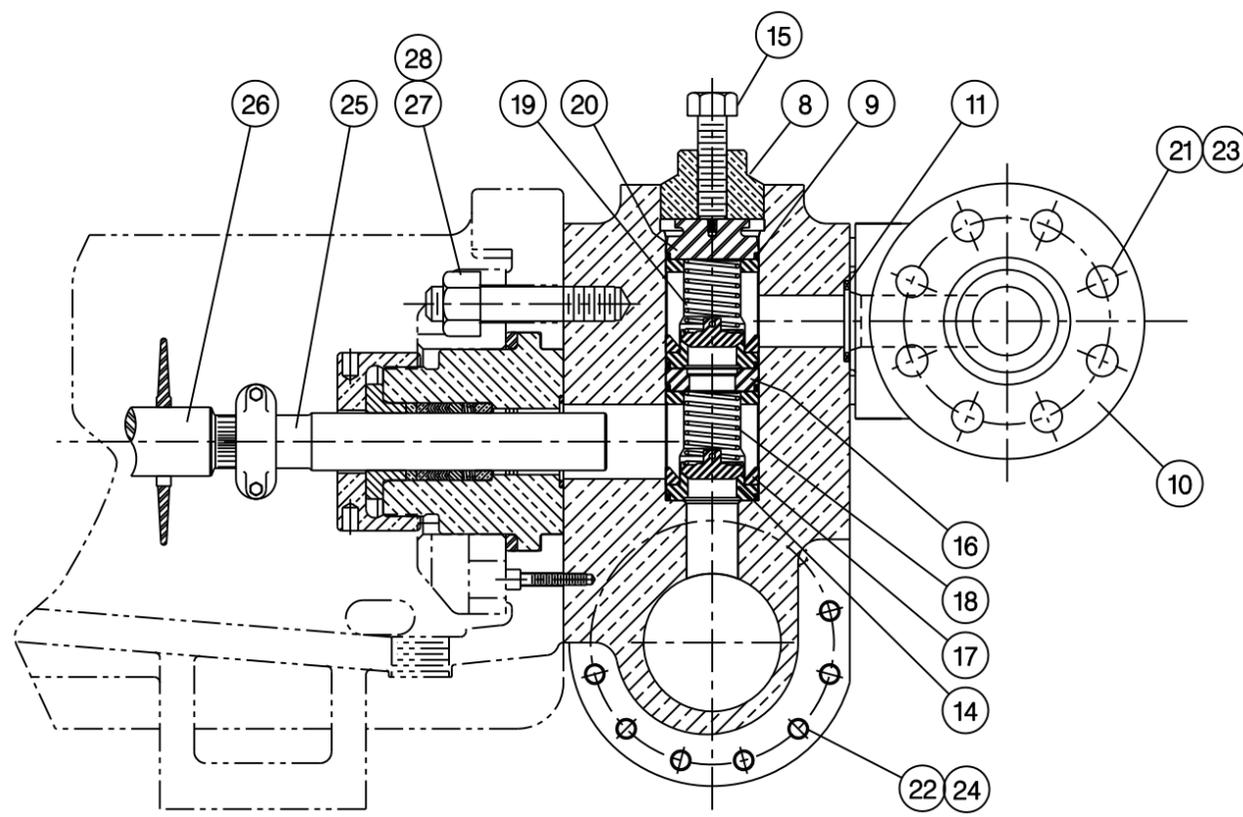
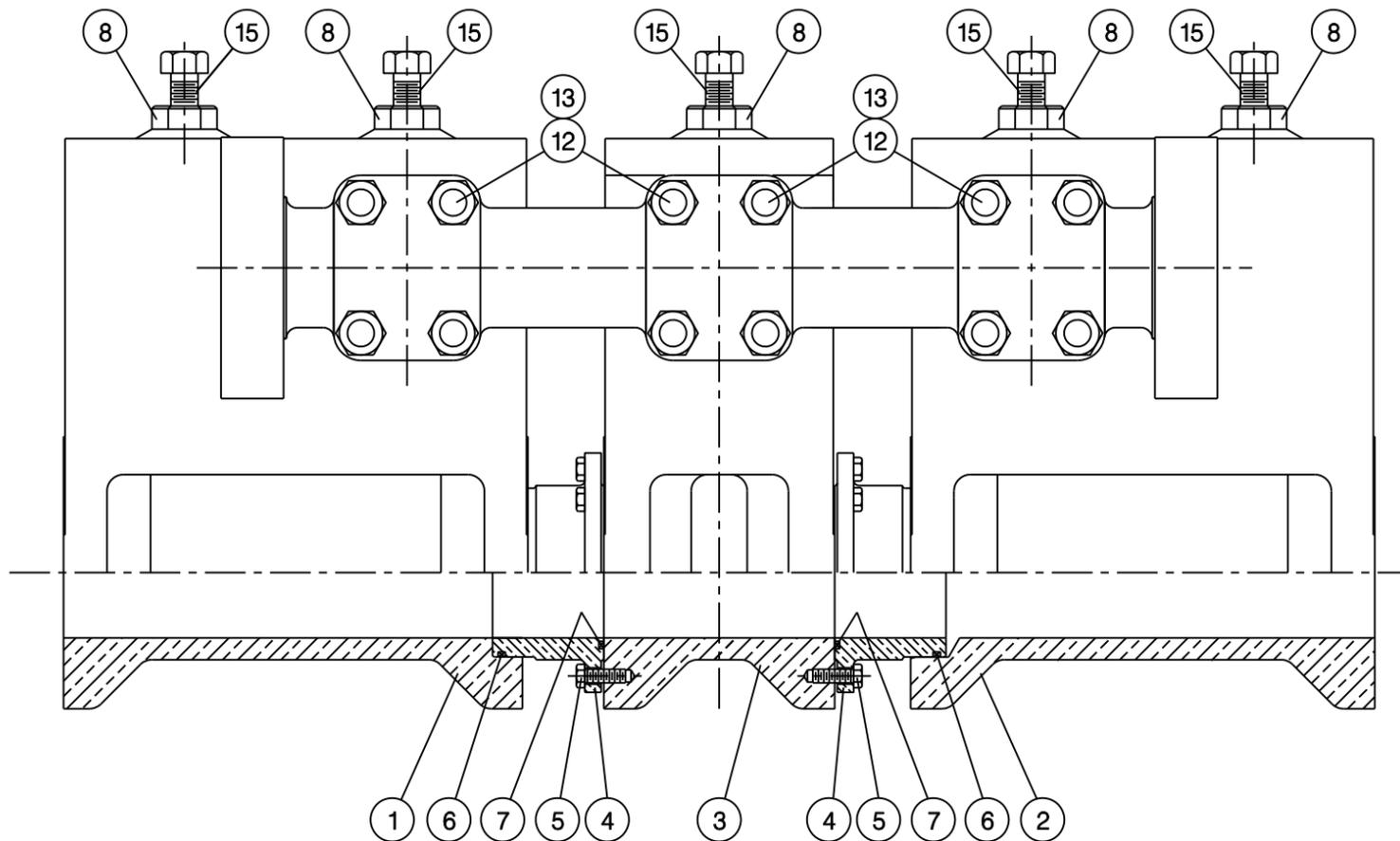
**NOV NATIONAL OILWELL VARCO**

TITLE: FLUID END ASSEMBLY  
625Q-7M TRIP. PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1715506	D

SCALE: NONE EST WT: SHEET

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPQ	10.30.01	JCA	
B	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MSH	RPQ	10.30.01	JCA	



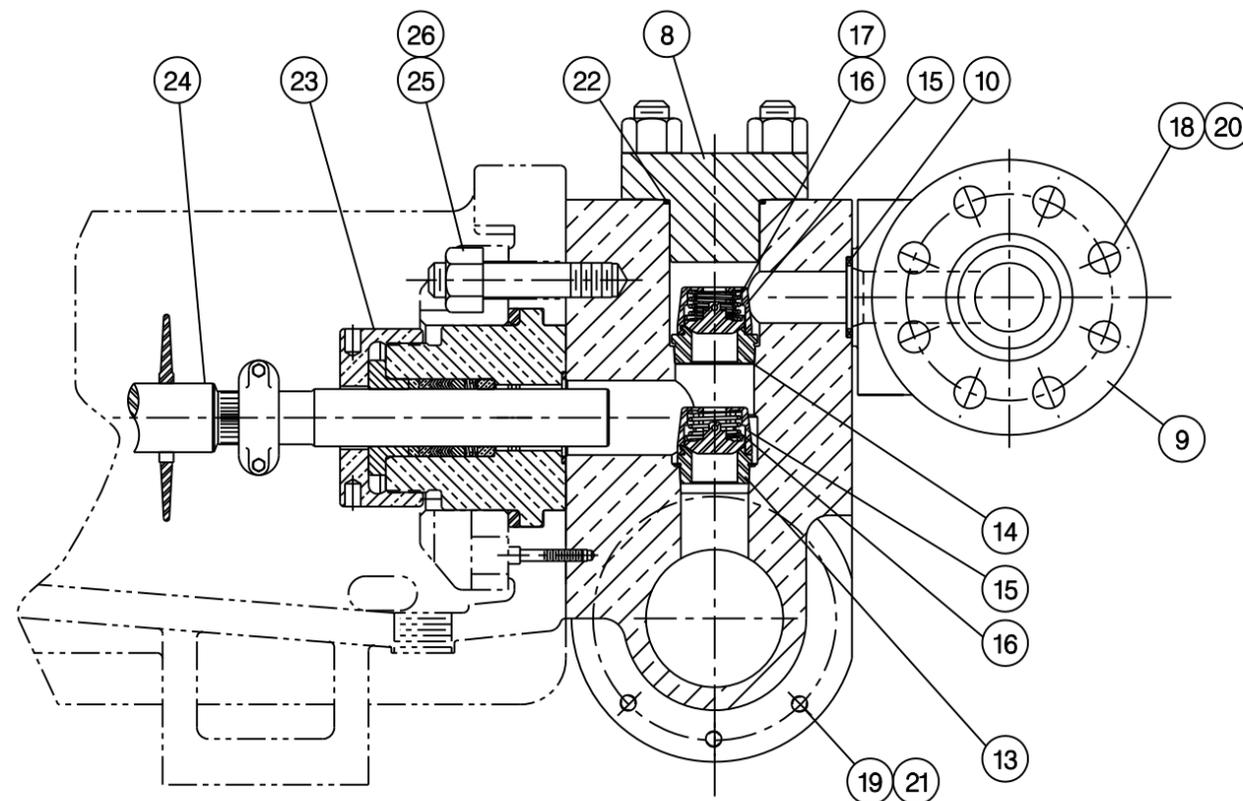
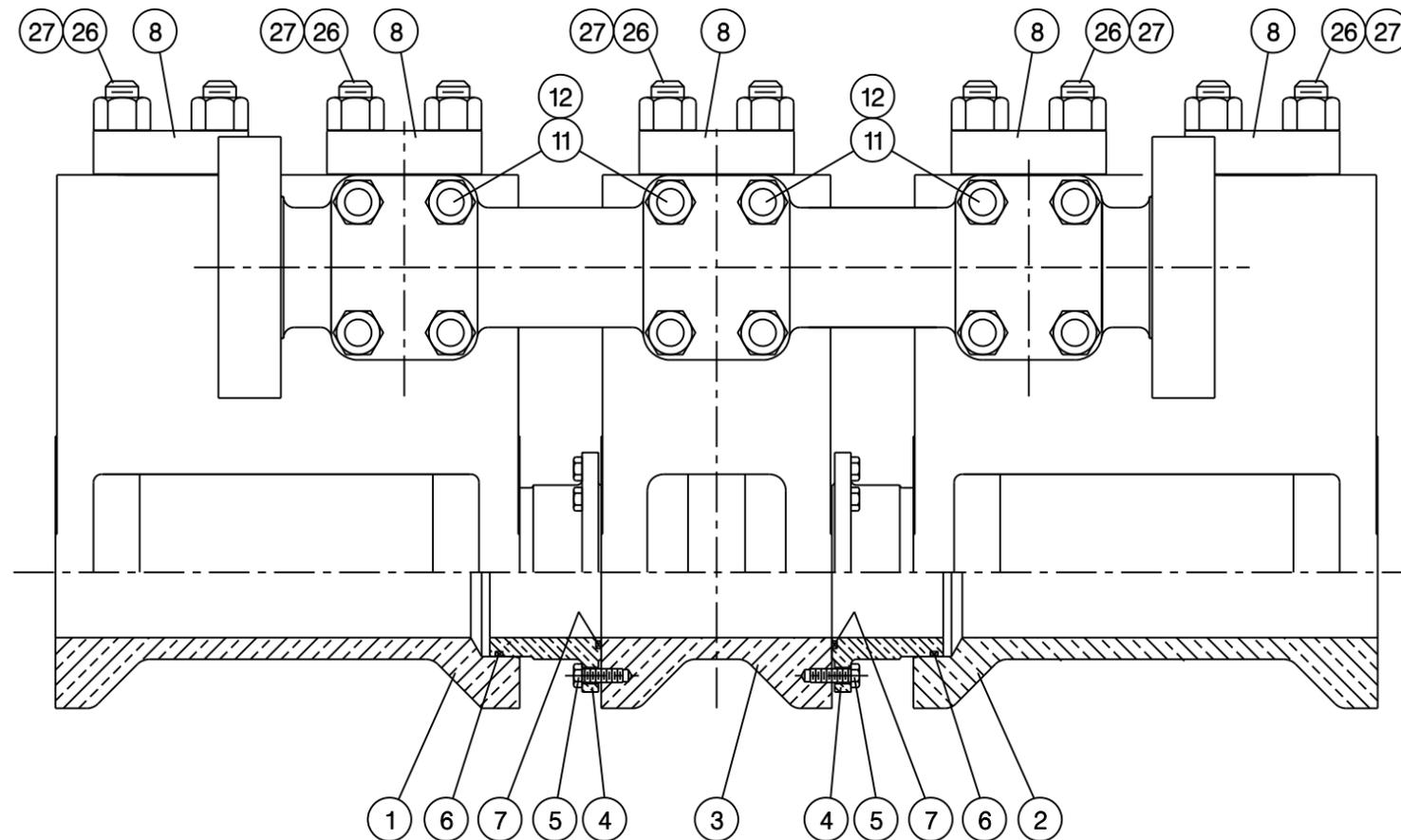
20	6300240	NUT, 1/2-6 HVY HEX	28
20	49010364	STUD, 1/2-6 x 7 3/4 LG.	27
3	SEE PG. 15	INTERMEDIATE ROD	26
3	SEE PGS. 11-14	PLUNGER KIT SELECTION	25
24	700044411	CAPSCREW, 3/4-10 x 3 HEX HD	24
2	6908050	RING, OVAL JOINT R32	23
2	6010029	GASKET, FLAT RING	22
16	700062410	CAPSCREW, 1/4x 7 1/2HEX HD	21
5	1715272-14	RETAINER, CAGE	20
5	G1715.346	SPRING DISCHARGE	19
5	1715.336	SPRING SUCTION	18
10	1715.335-6	CAGE, VALVE	17
5	1715.337-6	SPACER	16
5	1713410	SCREW, CAGE LOADING	15
10	1715500-25	VALVE, COMPLETE - 3"	14
12	6300200	NUT, 1/4-7UNC HEAVY HEX	13
12	49-010-363	STUD, 1/4-7UNC x 13" LG.	12
3	1715145	SEAL, MANIFOLD TO FLUID END	11
1	1715258-14	MANIFOLD, DISCHARGE	10
20	1715143	SEAL, VALVE CAGE	9
5	1715278-14	COVER, CYLINDER TOP	8
2	2410031439	PACKING, CONNECTOR - 6.475 x 7.005 x .26	7
2	2410031442	PACKING, CONNECTOR - 7.225 x 7.755 x .26	6
12	700039611	CAPSCREW, 5/8-11 x 1 3/4" LG.	5
2	1715252-14	CONNECTOR, MODULE - 6" SUCTION	4
1	171527314	CYLINDER ONLY, CENTER	3
1	171527014	CYLINDER ONLY, L.H.	2
1	171527614	CYLINDER ONLY, R.H.	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			

3

**NOV NATIONAL OILWELL VARCO**

TITLE: FLUID END ASSEMBLY  
625Q-7HCB TRIP. PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715507	REV B
SCALE NONE	EST WT	SHEET 1 OF 1	



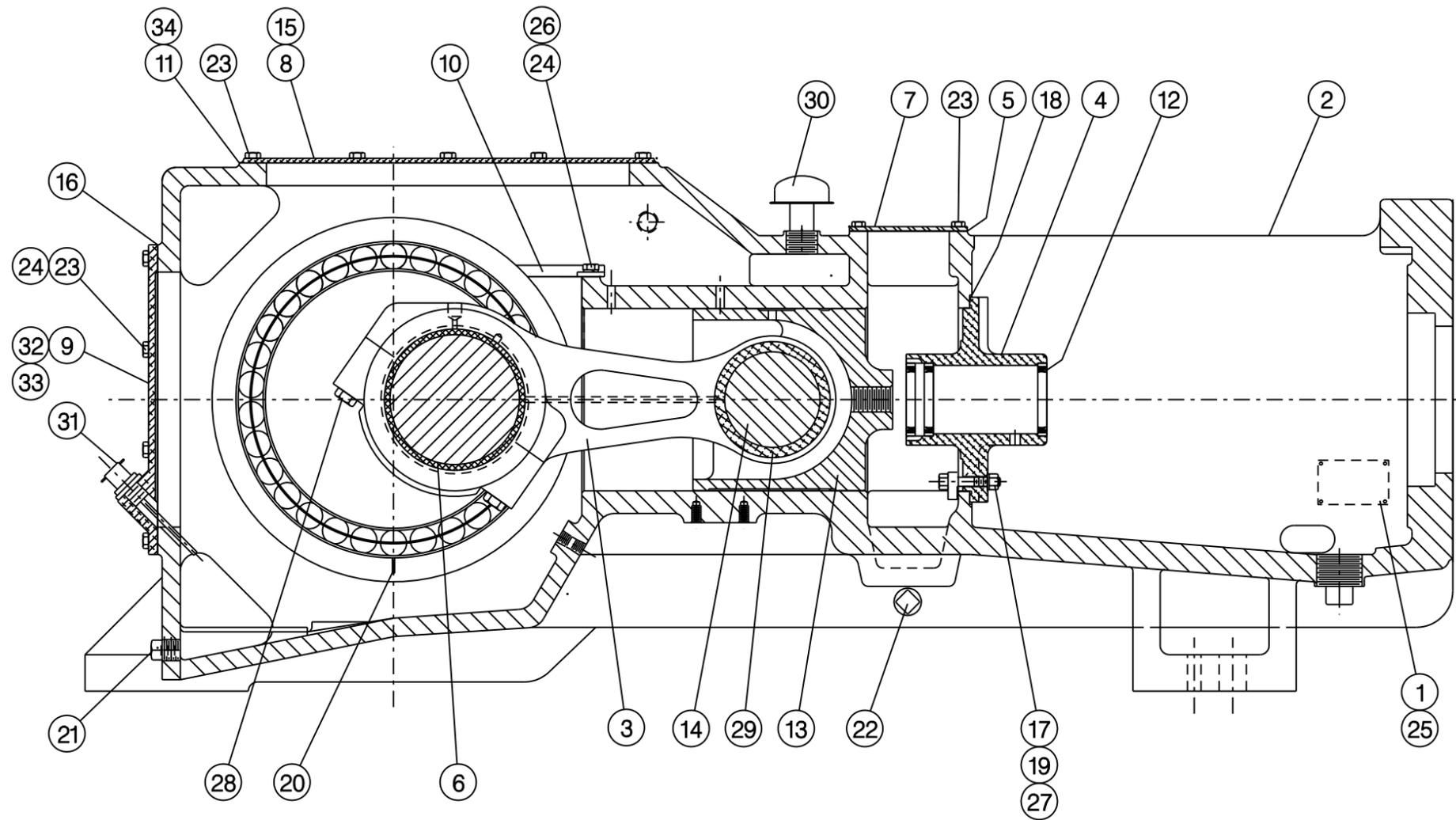
LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPQ	10.30.01		
B	REMOVED INDIVIDUAL VALVE AND SEAT PART NUMBERS	MTH	RPQ	9.3.07		

QTY. REQ'D	PART NO.	DESCRIPTION	ITEM NO.
20	49010362	STUD, 1/2-6x6 LG.	27
40	6300240	NUT, 1/2-6 HVY HEX	26
20	49010364	STUD, 1/2-6 x 7 3/4 LG.	25
5	SEE PG. 15	INTERMEDIATE ROD, CLAMP TYPE	24
5	SEE PGS. 11-14	PLUNGER KIT SELECTION	23
5	2410031345	SEAL, TOP COVER PLATE	22
24	700044411	CAPSCREW, 3/4-10 x 3 HEX HD	21
2	6908050	RING, OVAL JOINT R32	20
2	6010029	GASKET, FLAT RING	19
16	700062410	CAPSCREW, 1/4x 7 1/2 HEX HD	18
1	1793026	SPRING, INNER	17
1	1793025	SPRING, OUTER	16
1	1793024-6	RETAINER, SPRING	15
5	1793022-25	VALVE, COMPLETE - SPHERICAL DISCHARGE	14
5	1793020-25	VALVE, COMPLETE - SPHERICAL SUCTION	13
12	6300200	NUT, 1/4-7UNC HEAVY HEX	12
12	49-010-363	STUD, 1/4-7UNC x 13" LG.	11
3	1715145	SEAL, MANIFOLD TO FLUID END	10
1	1715258-14	MANIFOLD, DISCHARGE	9
5	1715249-14	COVER, CYLINDER TOP	8
2	2410031439	PACKING, CONNECTOR - 6.475 x 7.005 x .26	7
2	2410031442	PACKING, CONNECTOR - 7.225 x 7.755 x .26	6
12	700039611	CAPSCREW, 5/8-11 x 1 3/4" LG.	5
2	1715252-14	CONNECTOR, MODULE - 6" SUCTION	4
1	171525314	CYLINDER ONLY, CENTER	3
1	171525014	CYLINDER ONLY, L.H.	2
1	171525614	CYLINDER ONLY, R.H.	1
LIST OF MATERIAL			

**NOV NATIONAL OILWELL VARCO**

TITLE  
 FLUID END ASSEMBLY  
 625Q-7HC TRIP. PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715508	REV B
SCALE NONE	EST WT	SHEET 1 OF 1	



2	1715046	GASKET, POWER END TOP	34
2	1715027	GASKET, POWER END REAR	33
2	1715025	COVER, POWER END REAR	32
1	2400029	GAGE, DIPSTICK OIL	31
1	7802020	CAP, BREATHER	30
5	1715010	BUSHING, CROSSHEAD PIN	29
20	1714008	BOLT, CONN. ROD	28
10	7618018	WASHER, 1/2"	27
4	7600032	WASHER, 1/2"N TYPE A 1.062 O.D.	26
4	7178025	SCREW, ROUND HD DRIVE TYPE U	25
16	700030311	SCREW, HEX HD CAP 1/2"x 1"	24
100	700030111	SCREW, HEX HD CAP 1/2"x 3/4"	23
3	6874012	PLUG, STD. SOLID SQ. HD. 1 1/2"	22
1	6874008	PLUG, STD. SOLID SQ. HD. 1"	21
4	6570816	PIN, SPRING SLOT STEEL STD.	20
10	6308080	NUT, ESNA 1/2"-13UNC-3B	19
5	2410031274	SEAL, INT. ROD RETAINER	18
10	1716031	BOLT, HOOK INT. ROD RET.	17
1	1715028	GASKET, REAR CENTER COVER	16
2	1715045	COVER, POWER END TOP	15
5	1715008	PIN, CROSSHEAD	14
5	1715005	CROSSHEAD, ONLY	13
15	1714297	WIPER, OIL	12
1	1714027	GASKET, TOP COVER CTR.	11
2	1714019	OIL TROUGH	10
1	1715015	COVER, CENTER REAR	9
1	1714014	COVER, POWER END CTR.	8
3	1715013	COVER, POWER END CROSSHEAD	7
10	1714012	BUSHING, CONN. ROD CRANK END	6
3	1715011	GASKET, CROSSHEAD COVER	5
5	1714009	RETAINER, INT. ROD WIPER	4
5	1714004	ROD, CONNECTING CPT.	3
1	1715193	FRAME, MAIN	2
1	G2407274	PLATE, WARNING	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

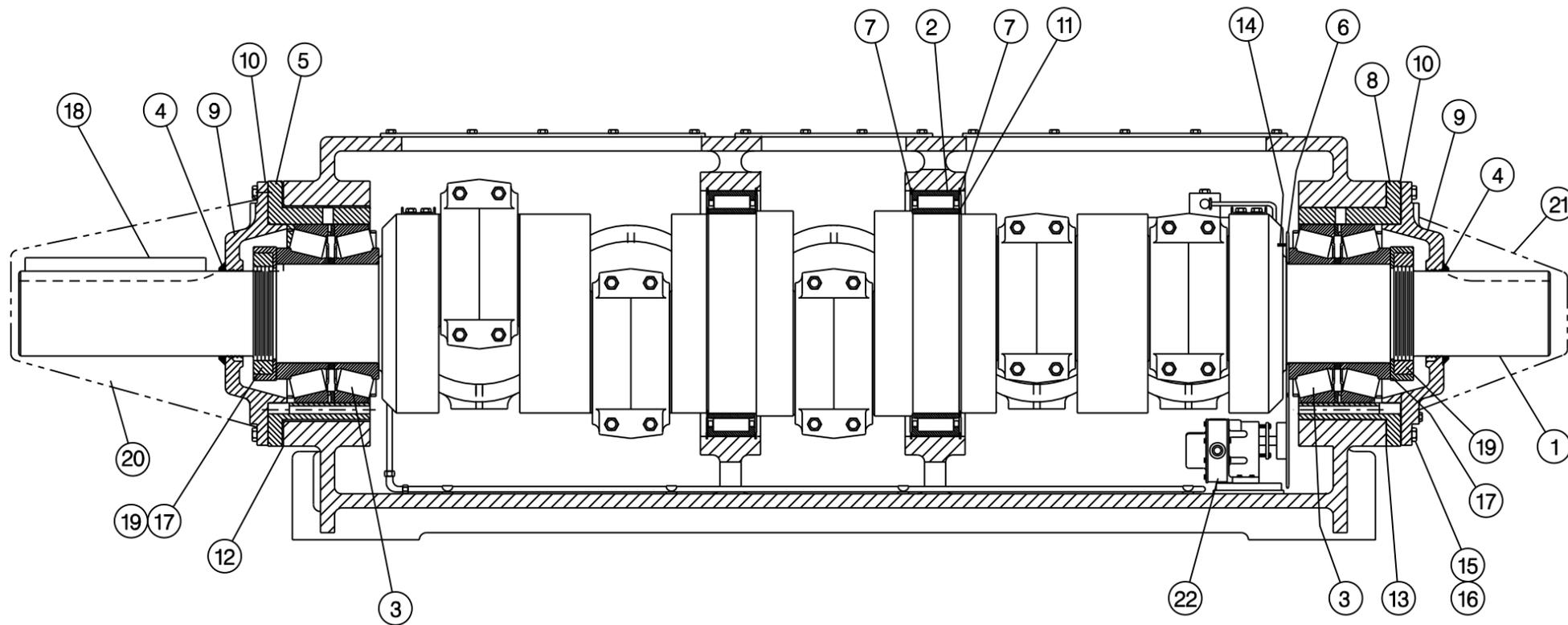
LIST OF MATERIAL

REV.A - 1.24.05

**NOV NATIONAL OILWELL VARCO**

TITLE ASSEMBLY, POWER END  
LESS CRANKSHAFT ASSEMBLY  
625Q-7 PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715509	REV A
SCALE NONE	EST WT	SHEET 1 OF 1	



1	1715023	PIPING, LUBRICATION	22
**	1	1715039	COVER, CRANKSHAFT (SOLID) R.H.
**	1	1715212	COVER, CRANKSHAFT (SLOTTED) R.H.
**	1	1714530	COVER, CRANKSHAFT (SOLID) L.H.
**	1	1715215	COVER, CRANKSHAFT (SLOTTED) L.H.
1	6304058	NUT, TIMKEN BEARING LOCK	19
1	2400048	KEY, CRANKSHAFT	18
2	7610058	WASHER, TIMKEN BEARING LOCK	17
16	700040111	SCREW, HEX HD CAP 5/8"x3"	16
4	700039511	SCREW, HEX HD CAP 5/8"x1/2"	15
1	6571212	PIN, SPRING SLOT STEEL STD 3/1	14
1	1715031	GASKET, MAIN BEARING CAGE RH	13
1	1715030	GASKET, MAIN BEARING CAGE LH	12
2	1715020	RING, MAIN BEARING SNAP	11
2	1715032	GASKET, BEARING RETAINER	10
2	1715022	RETAINER, CRANKSHAFT BRG.	9
1	1715018	CAGE, MAIN BEARING RH	8
4	1714017	RING, SNAP	7
1	1715016	SPROCKET, 96T	6
1	1715007	CAGE, MAIN BEARING LH	5
2	1121800	SLINGER, CRANKSHAFT	4
2	ZT7007	BEARING, MAIN	3
2	49012081	BEARING, CRANKSHAFT	2
1	X173692	CRANKSHAFT	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.

LIST OF MATERIAL

\* FURNISHED ONLY WHEN NO ACCESSORY DRIVES ARE REQUIRED.

\*\* OPTIONAL EQUIPMENT.

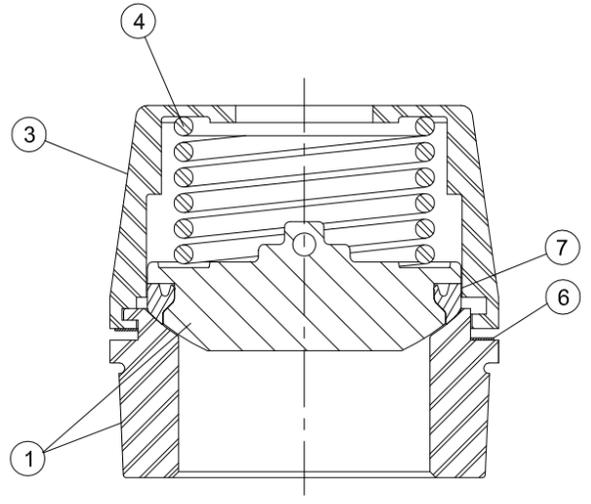
**NOV NATIONAL OILWELL VARCO**

TITLE  
CRANKSHAFT ASSEMBLY  
625Q-7 PLUNGER PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1715510	

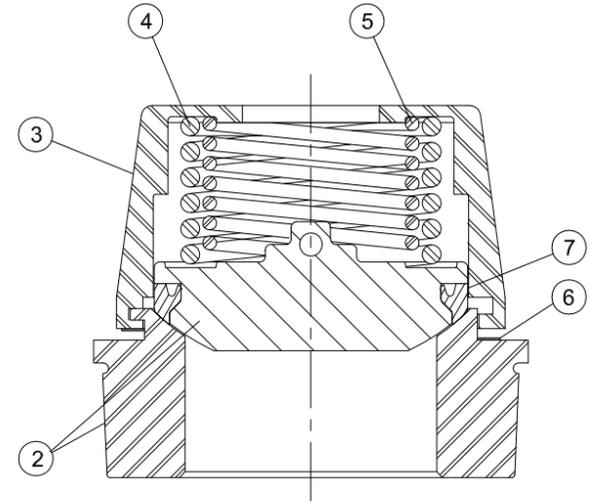
SCALE	EST WT	SHEET
NONE		1 OF 1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	WAS DURABLA TAPERED SEAT VALVE ASSY	WFL	RPQ	9.03.07		

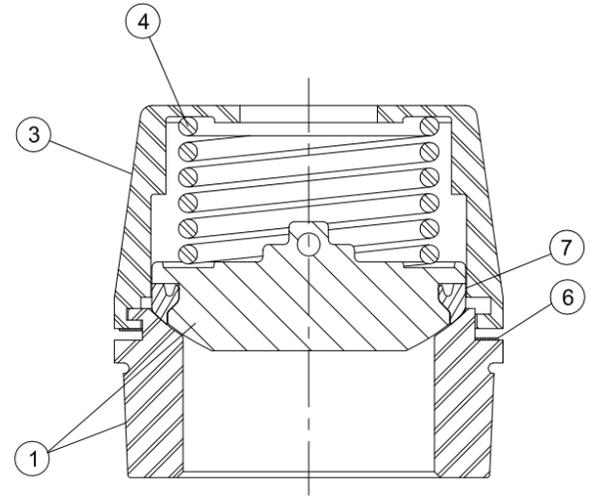


SUCTION

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707077	SEAL / INSERT	7
1	9707076	WAVE RING	6
1	1795026	SPRING, INNER	5
1	1795025X	SPRING, OUTER	4
1	1795024-6	RETAINER, SPRING	3
1	1795022-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1795020-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1



DISCHARGE



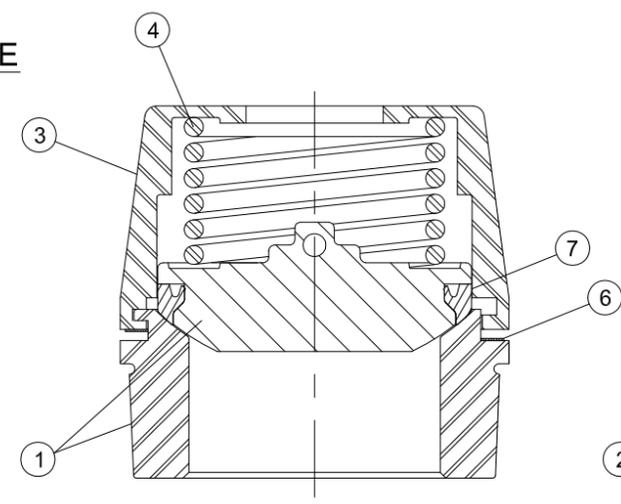
SUCTION

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707084	SEAL / INSERT	7
1	9707080	WAVE RING	6
1	1794026	SPRING, INNER	5
1	1794025	SPRING, OUTER	4
1	1794024-6W	RETAINER, SPRING	3
1	1794022-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1794020-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1

DISCHARGE

**625Q-7L  
TAPERED SEAT  
SPHERICAL SD TYPE**

**625Q-7M  
TAPERED SEAT  
SPHERICAL SD TYPE**



SUCTION

QTY REQ'D	PART No.	DESCRIPTION	ITEM No.
1	9707086	SEAL / INSERT	7
1	9707082	WAVE RING	6
1	1793026	SPRING, INNER	5
1	1793025	SPRING, OUTER	4
1	1793024-6W	RETAINER, SPRING	3
1	1793022-25SD	VALVE CPT., DISCHARGE - SEVERE DUTY	2
1	1793020-25SD	VALVE CPT., SUCTION - SEVERE DUTY	1

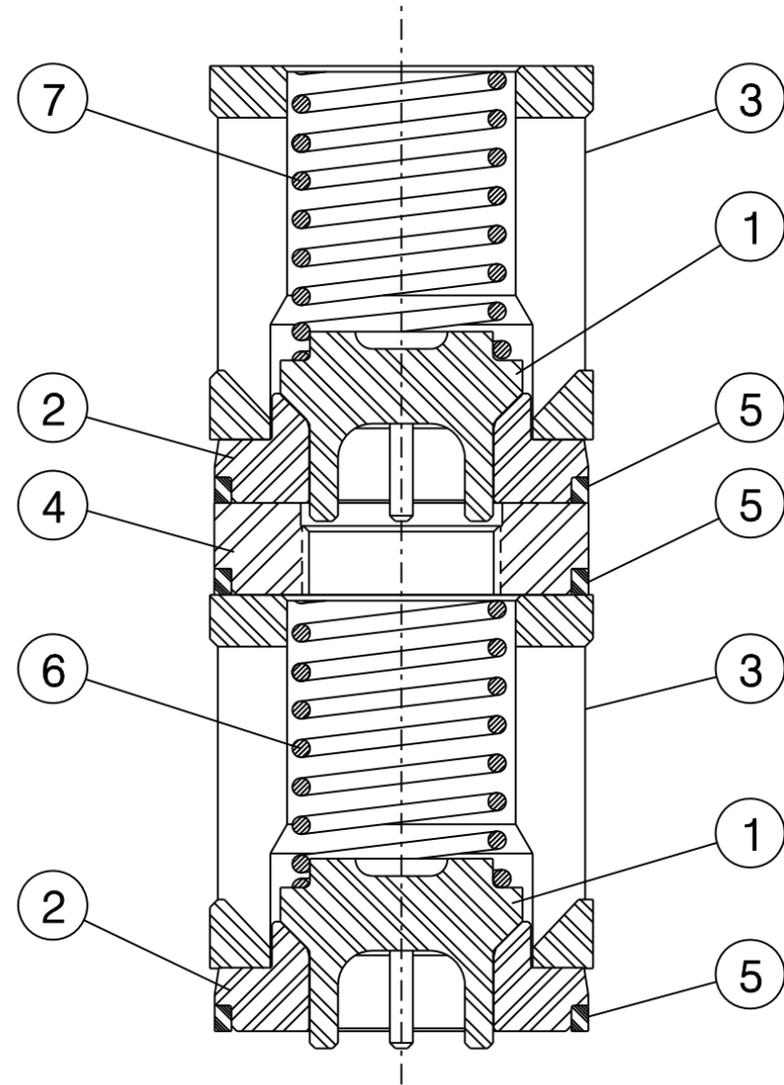
DISCHARGE

**625Q-7H  
TAPERED SEAT  
SPHERICAL SD TYPE**

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

TITLE: **SEVERE DUTY VALVE ASSY.  
625Q-7 TRIPLEX PLUNGER PUMP**

SIZE <b>B</b>	REFERENCE No.	DRAWING No. <b>1715511</b>	REV <b>A</b>
SCALE	EST WT	SHEET 1 OF 1	



1	G1715346	SPRING, DISCHARGE	7
1	1715336	SPRING, SUCTION	6
4	1715143	SEAL	5
1	17153376	SPACER	4
2	17153356	CAGE	3
2	171533325	SEAT	2
2	171534425	VALVE	1
QTY REQ'D	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			

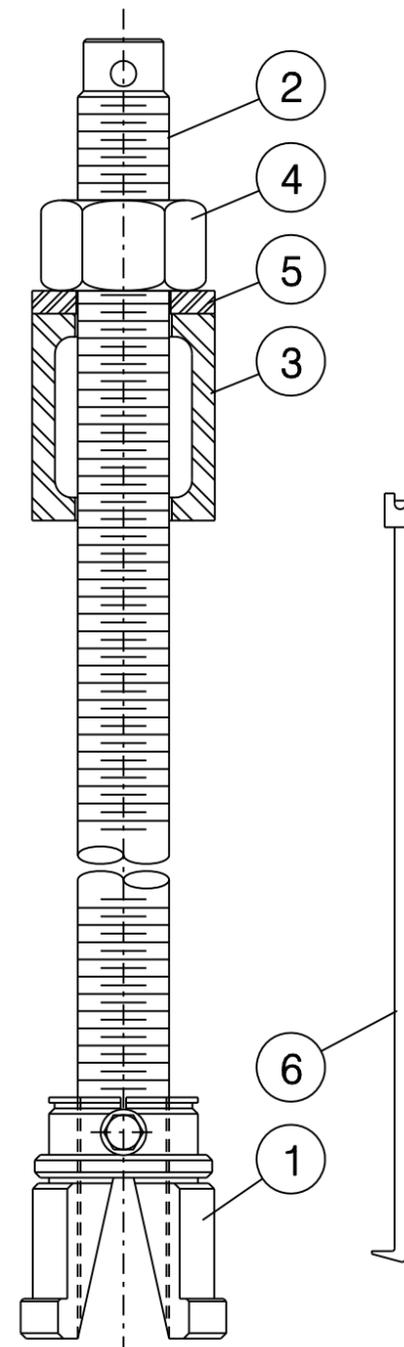
<b>NOV NATIONAL OILWELL VARCO</b>			
TITLE VALVE, CAGE TYPE, BOTTOM GUIDED 625Q-7HCB			
SIZE B	REFERENCE No.	DRAWING No. 1715512	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	REMOVED DURABLE SEAT	MTH	RPO	9.3.07		

625Q - 7L			
ITEM No.	PART NO.	DESCRIPTION	QTY. REQ'D
	180104151	VALVE KIT CPT.	1
1	181259410	HEAD	1
2	20220328	STEM	1
3	181205710	SPACER	1
4	75510330	NUT, 2"	1
5	20220327	WASHER	1
6	1790034	RETRIEVER	1

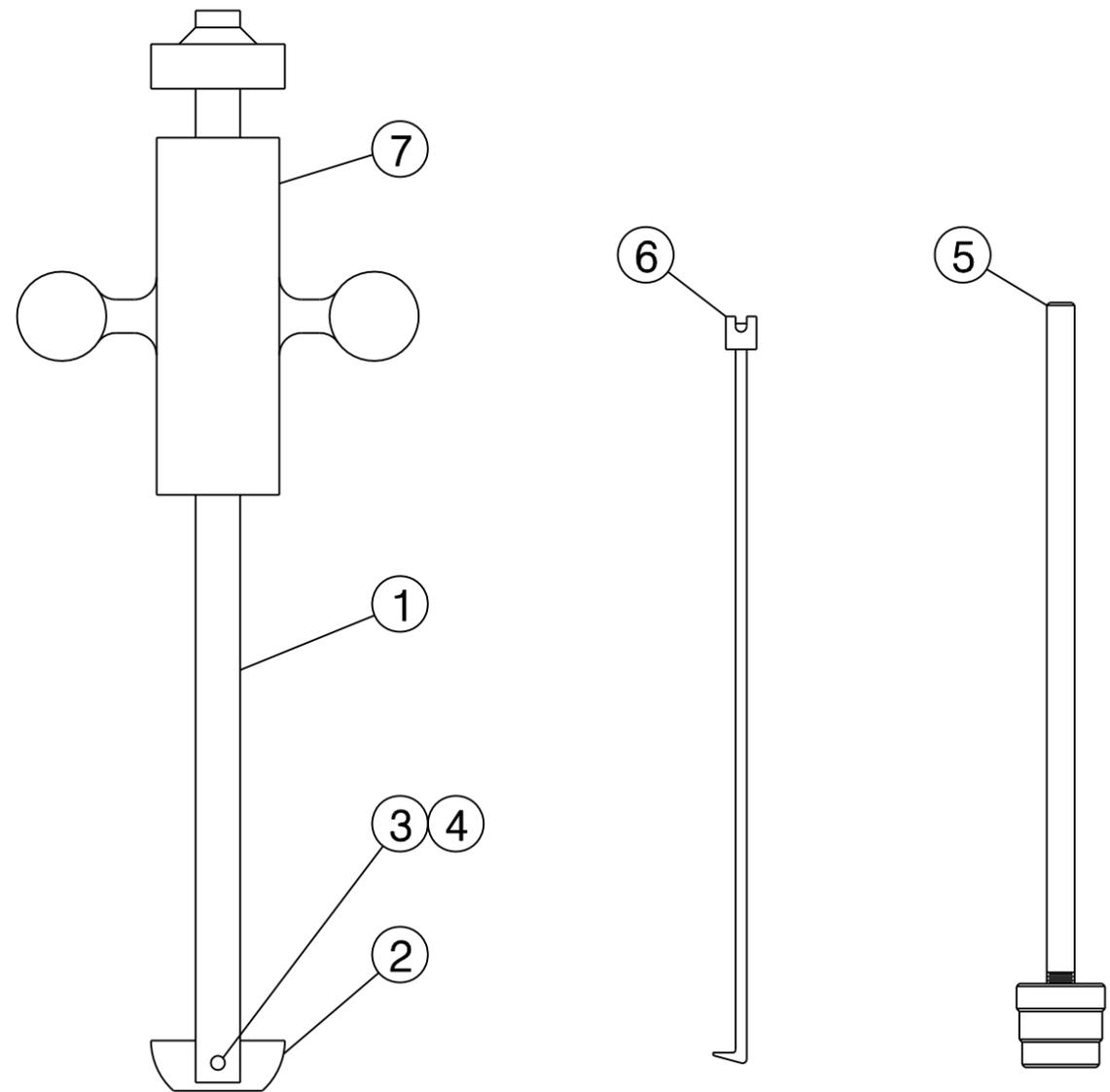
625Q - 7M			
ITEM No.	PART NO.	DESCRIPTION	QTY. REQ'D
	180104143	VALVE KIT CPT.	1
1	181259409	HEAD	1
2	20220159	STEM	1
3	181205709	SPACER	1
4	75518308	NUT, 1"	1
5	20220194	WASHER	1
6	1790034	RETRIEVER	1

625Q - 7H			
ITEM No.	PART NO.	DESCRIPTION	QTY. REQ'D
	180104127	VALVE KIT CPT.	1
1	181259300	HEAD	1
2	20220159	STEM	1
3	181205709	SPACER	1
4	75518308	NUT, 1"	1
5	20220194	WASHER	1
6	1790034	RETRIEVER	1



SPHERICAL TAPERED SEAT VALVE KIT

<b>NOV NATIONAL OILWELL VARCO</b>			
TITLE VALVE SERVICE KITS 625Q-7 TRIP. PLUNGER PUMP			
SIZE <b>B</b>	REFERENCE No.	DRAWING No. 1715513	REV <b>A</b>
SCALE NONE	EST WT	SHEET 1 OF 1	

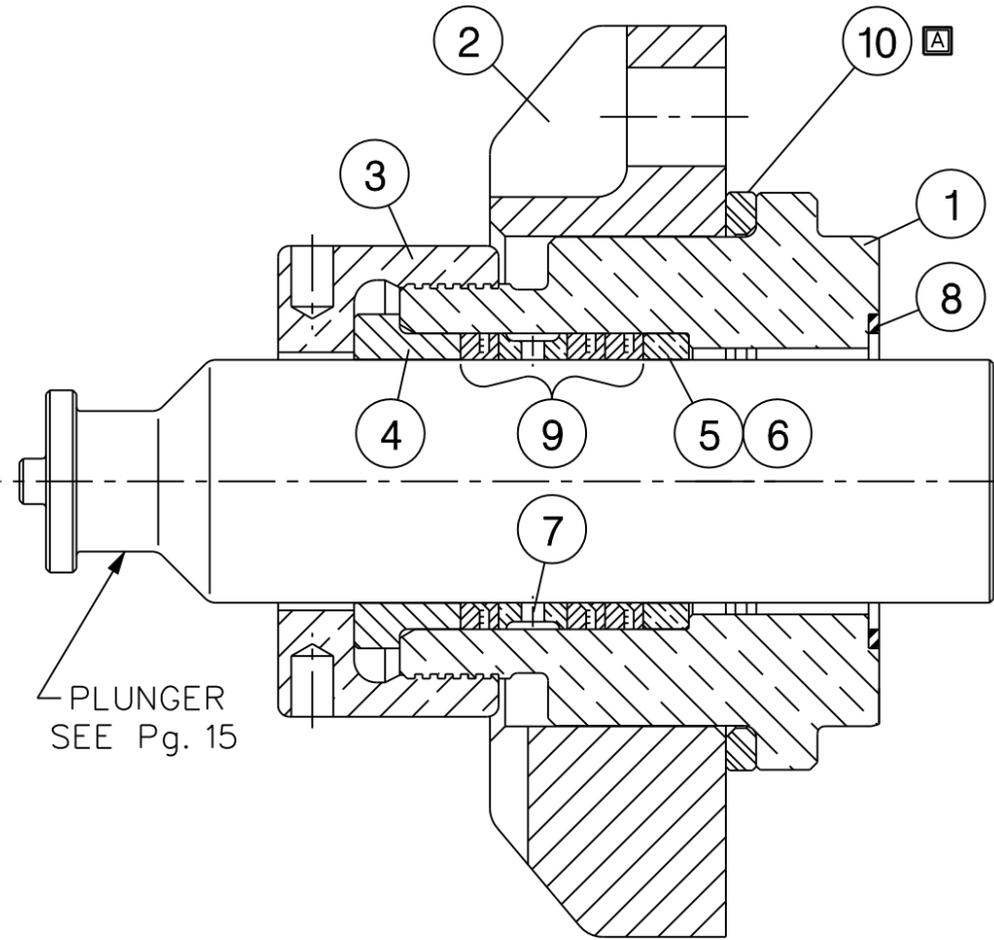


625Q-7H			
ITEM No.	PART NO.	DESCRIPTION	QTY. REQ'D
	1712342	VALVE KIT CPT.	1
	1712242	BAR CPT., INCL.	1
1	1710250	BAR	1
2	1712263	PLATE	1
3	6572016	PIN	1
4	6571216	PIN	1
5	1790042	DRIVER	1
6	1790034	RETRIEVER	1
7	1790080	BUMPER	1

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

<b>NOV NATIONAL OILWELL VARCO</b>			
TITLE VALVE SERVICE KITS 625Q-7 PLUNGER PUMP			
SIZE B	REFERENCE No.	DRAWING No. 1715514	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED SPACER RETAINER RING	DCP	RPO	10.30.01	JCA	



625Q - 7L & M PLUNGER KIT  
WITH CLAMPED PLUNGER

QTY	PART NO.	DESCRIPTION	ITEM	QTY	PART NO.	DESCRIPTION	ITEM
1	17150994	RING, RETAINER SPACER	10	1	17150994	RING, RETAINER SPACER	10
1	6422340	3" - 850-N UNIVERSAL PACKING	9	1	6422347	4 1/4" - 850-N UNIVERSAL PACKING	9
1	6422342	3 1/4" - 850-N UNIVERSAL PACKING		1	6422348	4 1/2" - 850-N UNIVERSAL PACKING	
1	6422343	3 1/2" - 850-N UNIVERSAL PACKING		1	6422349	4 3/4" - 850-N UNIVERSAL PACKING	
1	6422345	3 3/4" - 850-N UNIVERSAL PACKING		1	6422350	5" - 850-N UNIVERSAL PACKING	
1	6422346	4" - 850-N UNIVERSAL PACKING	8	1	1715146	SEAL, STUFFING BOX	8
1	2410031-429	SEAL, STUFFING BOX		1	17151292	4 1/4" LUBE RING	
1	17151242	3" LUBE RING		1	17151302	4 1/2" LUBE RING	
1	17151252	3 1/4" LUBE RING		1	17151312	4 3/4" LUBE RING	
1	17151262	3 1/2" LUBE RING	7	1	17151322	5" LUBE RING	7
1	17151272	3 3/4" LUBE RING		1	17151092	4 1/4" SLEEVE WASHER	
1	17151282	4" LUBE RING		1	17151102	4 1/2" SLEEVE WASHER	
1	17151042	3" SLEEVE WASHER		1	17151112	4 3/4" SLEEVE WASHER	
1	17151052	3 1/4" SLEEVE WASHER	6	1	17151122	5" SLEEVE WASHER	6
1	17151062	3 1/2" SLEEVE WASHER		1	17151792	4 1/4" WASHER	
1	17151072	3 3/4" SLEEVE WASHER		1	17151802	4 1/2" WASHER	
1	17151082	4" SLEEVE WASHER		1	17151812	4 3/4" WASHER	
1	17151742	3" WASHER	5	1	17151822	5" WASHER	5
1	17151752	3 1/4" WASHER		1	17150892	4 1/4" GLAND	
1	17151762	3 1/2" WASHER		1	17150902	4 1/2" GLAND	
1	17151772	3 3/4" WASHER		1	17150912	4 3/4" GLAND	
1	17151782	4" WASHER	4	1	17150922	5" GLAND	4
1	17150842	3" GLAND		1	17150422	NUT, ADJUSTING	
1	17150852	3 1/4" GLAND		1	1715034	RETAINER, STUFFING BOX	
1	17150862	3 1/2" GLAND		1	17150732	3" PLG'R x 3 3/4" DIA. BORE ST. BOX	
1	17150872	3 3/4" GLAND	3	1	17150742	3 1/4" PLG'R x 4 1/4" DIA. BORE ST. BOX	3
1	17150882	4" GLAND		1	17150742	3 1/2" PLG'R x 4 1/4" DIA. BORE ST. BOX	
1	17150412	4" - 3 3/4" NUT, ADJUSTING		1	17150752	3 3/4" PLG'R x 4 3/4" DIA. BORE ST. BOX	
1	17150402	3" NUT, ADJUSTING		1	17150752	4" PLG'R x 4 3/4" DIA. BORE ST. BOX	
1	1715034	RETAINER, STUFFING BOX	2	1	17150772	4 3/4" PLG'R x 5 3/4" DIA. BORE ST. BOX	2
1	17150732	3" PLG'R x 3 3/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	
1	17150742	3 1/4" PLG'R x 4 1/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	
1	17150742	3 1/2" PLG'R x 4 1/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	
1	17150752	3 3/4" PLG'R x 4 3/4" DIA. BORE ST. BOX	1	1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	1
1	17150752	4" PLG'R x 4 3/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	
1	17150752	4" PLG'R x 4 3/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	
1	17150752	4" PLG'R x 4 3/4" DIA. BORE ST. BOX		1	17150772	5" PLG'R x 5 3/4" DIA. BORE ST. BOX	

LIST OF MATERIAL				LIST OF MATERIAL			
625Q - 7M PLUNGER KIT				625Q - 7L PLUNGER KIT			

△ 6. USE ONLY WITH CERAMIC PLUNGER.  
REPLACE ITEM #5 WITH ITEM #6.

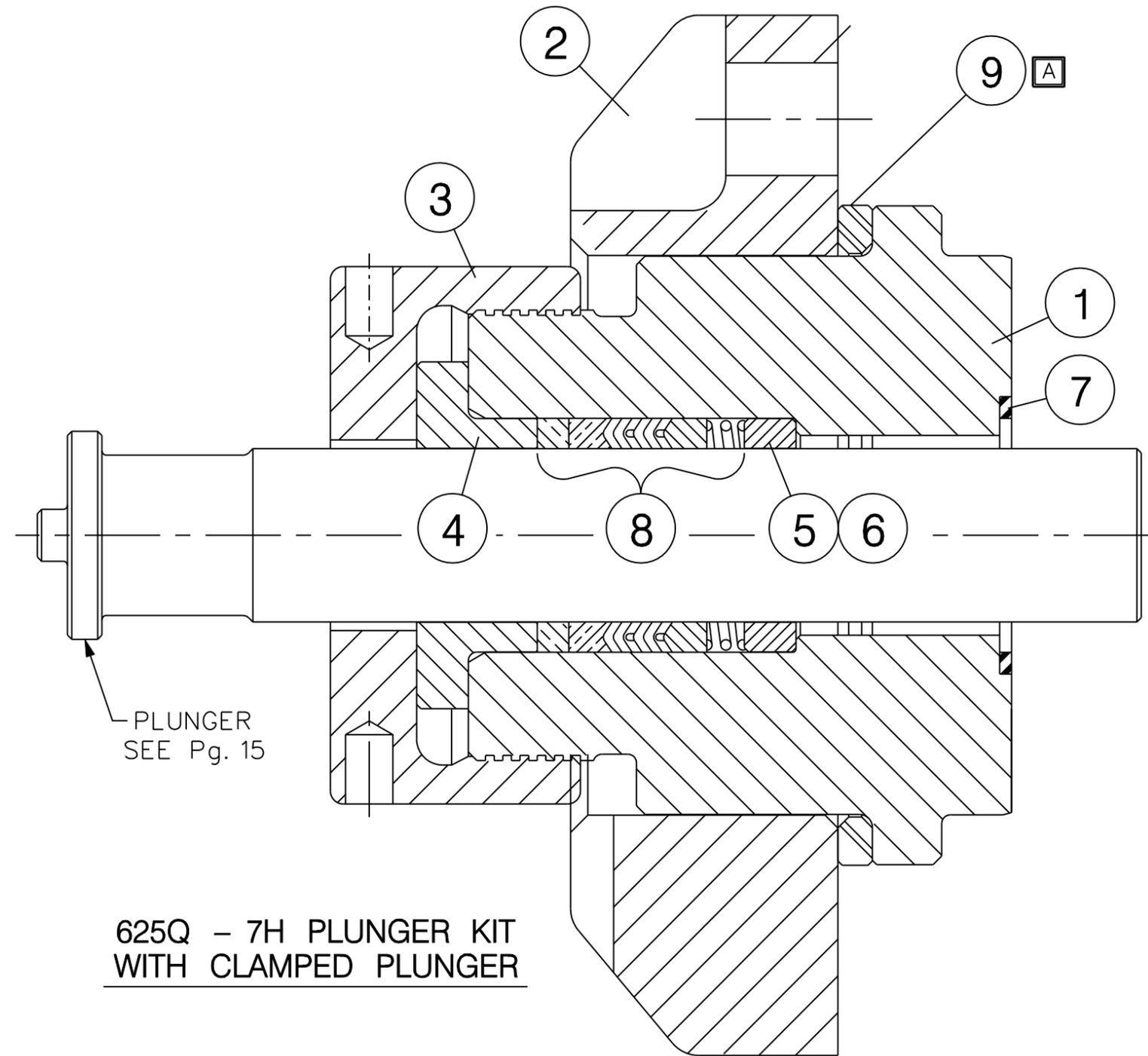
**NOV NATIONAL OILWELL VARCO**

TITLE  
ASSEMBLY, PLUNGER KITS  
625Q-7L & M TRIPLEX PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715515	REV A
SCALE NONE	EST WT	SHEET 1 OF 1	

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPQ	10.30.01	JCA	

QTY.	PART NO.	DESCRIPTION	ITEM No.
1	17150994	RING, RETAINER SPACER	9
1	6423209	2 <sup>3</sup> / <sub>8</sub> " 805-4 HIGH PRESSURE PACKING	8
1	6423210	2 <sup>1</sup> / <sub>2</sub> " 805-4 HIGH PRESSURE PACKING	
1	6423211	2 <sup>5</sup> / <sub>8</sub> " 805-4 HIGH PRESSURE PACKING	
1	6423212	2 <sup>3</sup> / <sub>4</sub> " 805-4 HIGH PRESSURE PACKING	
1	6423213	2 <sup>7</sup> / <sub>8</sub> " 805-4 HIGH PRESSURE PACKING	
1	6423214	3" 805-4 HIGH PRESSURE PACKING	
1	1715149	2 <sup>7</sup> / <sub>8</sub> " - 2 <sup>3</sup> / <sub>8</sub> " SEAL, STUFFING BOX	7
1	2410031-429	3" SEAL, STUFFING BOX	
1	17151012	2 <sup>3</sup> / <sub>8</sub> " SLEEVE WASHER	△6
1	17151022	2 <sup>1</sup> / <sub>2</sub> " SLEEVE WASHER	
1	17141022	2 <sup>5</sup> / <sub>8</sub> " SLEEVE WASHER	
1	17151032	2 <sup>3</sup> / <sub>4</sub> " SLEEVE WASHER	
1	17141032	2 <sup>7</sup> / <sub>8</sub> " SLEEVE WASHER	
1	17151042	3" SLEEVE WASHER	
1	17141712	2 <sup>3</sup> / <sub>8</sub> " WASHER	5
1	17151722	2 <sup>1</sup> / <sub>2</sub> " WASHER	
1	17141722	2 <sup>5</sup> / <sub>8</sub> " WASHER	
1	17151732	2 <sup>3</sup> / <sub>4</sub> " WASHER	
1	17141732	2 <sup>7</sup> / <sub>8</sub> " WASHER	
1	17151742	3" WASHER	
1	17140812	2 <sup>3</sup> / <sub>8</sub> " GLAND	4
1	17150822	2 <sup>1</sup> / <sub>2</sub> " GLAND	
1	17140822	2 <sup>5</sup> / <sub>8</sub> " GLAND	
1	17150832	2 <sup>3</sup> / <sub>4</sub> " GLAND	
1	17140832	2 <sup>7</sup> / <sub>8</sub> " GLAND	
1	17150842	3" GLAND	
1	17150442	NUT, ADJUSTING (2 <sup>5</sup> / <sub>8</sub> " - 2 <sup>3</sup> / <sub>8</sub> " PLG'R.)	3
1	17150402	NUT, ADJUSTING (3" - 2 <sup>3</sup> / <sub>4</sub> " PLG'R.)	2
1	1715034	RETAINER, STUFFING BOX	2
1	17150482	2 <sup>3</sup> / <sub>8</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " DIA. BORE ST. BOX	1
1	17150482	2 <sup>1</sup> / <sub>2</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " DIA. BORE ST. BOX	
1	17150482	2 <sup>5</sup> / <sub>8</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " DIA. BORE ST. BOX	
1	17150472	2 <sup>3</sup> / <sub>4</sub> " PLG'R x 3 <sup>5</sup> / <sub>8</sub> " DIA. BORE ST. BOX	
1	17150472	2 <sup>7</sup> / <sub>8</sub> " PLG'R x 3 <sup>5</sup> / <sub>8</sub> " DIA. BORE ST. BOX	
1	17150732	3" PLG'R x 3 <sup>3</sup> / <sub>4</sub> " DIA. BORE STUFFING BOX	



625Q - 7H PLUNGER KIT WITH CLAMPED PLUNGER

LIST OF MATERIAL  
625Q - 7H PLUNGER KIT



TITLE  
ASSEMBLY, PLUNGER KITS  
625Q-7H TRIPLEX PUMP

SIZE REFERENCE No. DRAWING No. REV  
B 1715516 A

SCALE NONE EST WT SHEET 1 OF 1

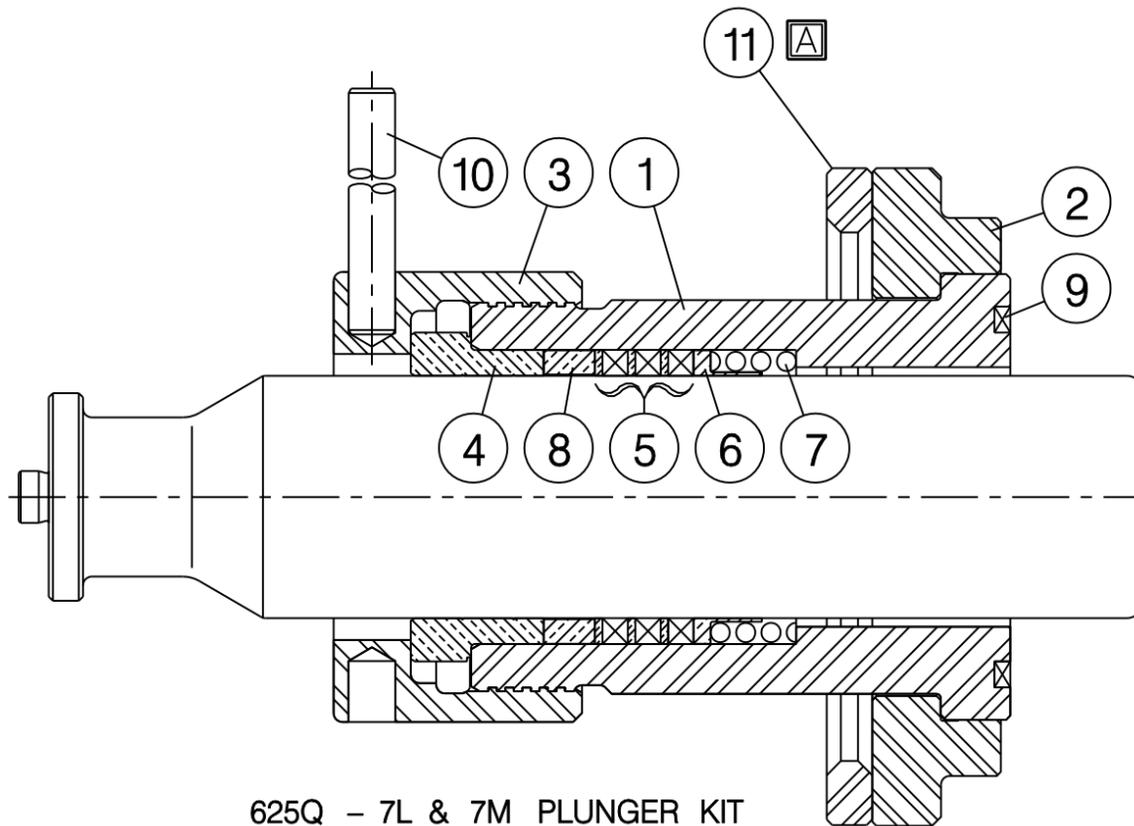
△6. USE ONLY WITH CERAMIC PLUNGER.  
REPLACE ITEM #5 WITH ITEM #6.

12

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPQ	10.30.01		

A	1	17150994	RING, RETAINER SPACER	11
	1	342-942	PIN	10
	1	2410031-429	SEAL, STUFFING BOX	9
	1	342-447	3" SPACER	
	1	342-448	3 1/2" & 3 3/4" SPACER	8
	1	342-449	4" & 3 3/4" SPACER	
	1	342-008	3" SPRING	
	1	342-007	3/4" SPRING	
	1	342-007	3/2" SPRING	7
	1	342-269	3 3/4" SPRING	
	1	342-269	4" SPRING	
	1	342-015	3" FOLLOWER	
	1	342-009	3/4" FOLLOWER	
	1	342-028	3/2" FOLLOWER	6
	1	342-359	3 3/4" FOLLOWER	
	1	342-360	4" FOLLOWER	
	1	342-019	3" KEVLAR PACKING	
	1	342-016	3/4" KEVLAR PACKING	
	1	342-017	3/2" KEVLAR PACKING	5
	1	342-757	3 3/4" KEVLAR PACKING	
	1	342-758	4" KEVLAR PACKING	
	1	342-023	3" GLAND	
	1	342-020	3/4" GLAND	
	1	342-021	3/2" GLAND	4
	1	342-127	3 3/4" GLAND	
	1	342-128	4" GLAND	
	1	342-940	3" NUT, ADJUSTING	3
	1	342-963	4" - 3 1/4" NUT, ADJUSTING	
	1	342-941	3" RETAINER, STUFFING BOX	
	1	342-956	4" - 3 1/4" RETAINER, STUFFING BOX	2
	1	342-939	3" PLG'R x 3 3/4" DIA. BORE ST. BOX	
	1	342-965	3/4" PLG'R x 4 1/4" DIA. BORE ST. BOX	
	1	342-965	3/2" PLG'R x 4 1/4" DIA. BORE ST. BOX	1
	1	342-966	3 3/4" PLG'R x 4 3/4" DIA. BORE ST. BOX	
	1	342-966	4" PLG'R x 4 3/4" DIA. BORE ST. BOX	
QTY.	PART NO.	DESCRIPTION		ITEM

	1	17150994	RING, RETAINER SPACER	11	A
	1	342-942	PIN	10	
	1	1715146	SEAL, STUFFING BOX	9	
	1	342-450	4 1/2" & 4 1/4" SPACER	8	
	1	342-451	5" & 4 3/4" SPACER		
	1	342-272	4 1/2" & 4 1/4" SPRING	7	
	1	342-273	5" & 4 3/4" SPRING		
	1	342-391	4 1/4" FOLLOWER		
	1	342-392	4 1/2" FOLLOWER	6	
	1	342-393	4 3/4" FOLLOWER		
	1	342-394	5" FOLLOWER		
	1	342-789	4 1/4" KEVLAR PACKING		
	1	342-790	4 1/2" KEVLAR PACKING	5	
	1	342-791	4 3/4" KEVLAR PACKING		
	1	342-792	5" KEVLAR PACKING		
	1	342-173	4 1/4" GLAND		
	1	342-174	4 1/2" GLAND	4	
	1	342-175	4 3/4" GLAND		
	1	342-176	5" GLAND		
	1	342-964	NUT, ADJUSTING	3	
	1	342-957	RETAINER, STUFFING BOX	2	
	1	342-967	4 1/4" PLG'R x 5 1/4" DIA. BORE ST. BOX		
	1	342-967	4 1/2" PLG'R x 5 1/4" DIA. BORE ST. BOX	1	
	1	342-968	4 3/4" PLG'R x 5 3/4" DIA. BORE ST. BOX		
	1	342-968	5" PLG'R x 5 3/4" DIA. BORE ST. BOX		
QTY.	PART NO.	DESCRIPTION		ITEM	



625Q - 7L & 7M PLUNGER KIT  
WITH KEVLAR PACKING

LIST OF MATERIAL			
625Q - 7M PLUNGER KIT			

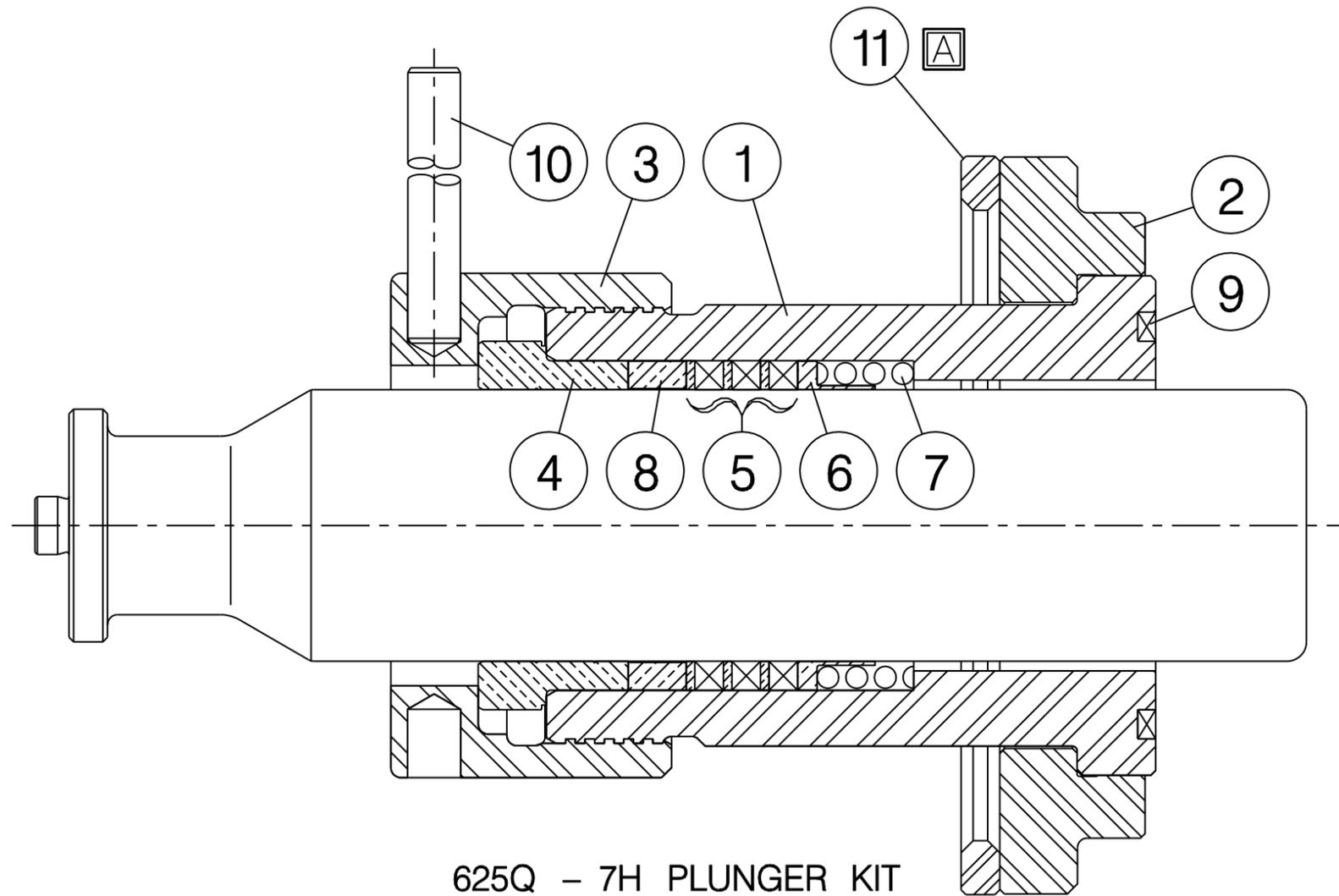
LIST OF MATERIAL			
625Q - 7L PLUNGER KIT			

**NOV NATIONAL OILWELL VARCO**

TITLE ASSEMBLY, S.S. PLUNGER KITS WITH KEVLAR PACKING 625Q-7L & M TRIPLEX PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1715517	A
SCALE	NONE	EST WT	SHEET 1 OF 1

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
A	ADDED RETAINER SPACER RING	DCP	RPQ	10.30.01		



625Q - 7H PLUNGER KIT  
WITH KEVLAR PACKING

1	17150994	RING, RETAINER SPACER	11
1	342-942	PIN	10
1	1715149	SEAL, STUFFING BOX	9
1	342-452	2 <sup>5</sup> / <sub>8</sub> " , 2 <sup>1</sup> / <sub>2</sub> " , 2 <sup>3</sup> / <sub>8</sub> " & 2 <sup>1</sup> / <sub>4</sub> " SPACER	8
1	342-453	2 <sup>7</sup> / <sub>8</sub> " & 2 <sup>3</sup> / <sub>4</sub> " SPACER	
1	342-447	3" SPACER	
1	342-000	2 <sup>1</sup> / <sub>2</sub> " , 2 <sup>3</sup> / <sub>8</sub> " , & 2 <sup>1</sup> / <sub>4</sub> " SPRING	
1	342-977	2 <sup>5</sup> / <sub>8</sub> " SPRING	
1	342-270	2 <sup>7</sup> / <sub>8</sub> " & 2 <sup>3</sup> / <sub>4</sub> " SPRING	7
1	342-008	3" SPRING	
1	342-400	2 <sup>1</sup> / <sub>4</sub> " FOLLOWER	6
1	342-387	2 <sup>3</sup> / <sub>8</sub> " FOLLOWER	
1	342-388	2 <sup>1</sup> / <sub>2</sub> " FOLLOWER	
1	342-389	2 <sup>5</sup> / <sub>8</sub> " FOLLOWER	
1	342-390	2 <sup>3</sup> / <sub>4</sub> " FOLLOWER	
1	342-377	2 <sup>7</sup> / <sub>8</sub> " FOLLOWER	
1	342-015	3" FOLLOWER	
1	342-846	2 <sup>1</sup> / <sub>4</sub> " KEVLAR PACKING	
1	342-785	2 <sup>3</sup> / <sub>8</sub> " KEVLAR PACKING	5
1	342-786	2 <sup>1</sup> / <sub>2</sub> " KEVLAR PACKING	
1	342-787	2 <sup>5</sup> / <sub>8</sub> " KEVLAR PACKING	
1	342-788	2 <sup>3</sup> / <sub>4</sub> " KEVLAR PACKING	
1	342-775	2 <sup>7</sup> / <sub>8</sub> " KEVLAR PACKING	
1	342-019	3" KEVLAR PACKING	4
1	342-166	2 <sup>1</sup> / <sub>4</sub> " GLAND	
1	342-169	2 <sup>3</sup> / <sub>8</sub> " GLAND	
1	342-170	2 <sup>1</sup> / <sub>2</sub> " GLAND	
1	342-171	2 <sup>5</sup> / <sub>8</sub> " GLAND	
1	342-172	2 <sup>3</sup> / <sub>4</sub> " GLAND	
1	342-143	2 <sup>7</sup> / <sub>8</sub> " GLAND	
1	342-023	3" GLAND	
1	342-940	NUT, ADJUSTING	3
1	342-941	RETAINER, STUFFING BOX	2
1	342-954	2 <sup>1</sup> / <sub>4</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " BORE ST. BOX	1
1	342-954	2 <sup>3</sup> / <sub>8</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " BORE ST. BOX	
1	342-954	2 <sup>1</sup> / <sub>2</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " BORE ST. BOX	
1	342-954	2 <sup>5</sup> / <sub>8</sub> " PLG'R x 3 <sup>3</sup> / <sub>8</sub> " BORE ST. BOX	
1	342-955	2 <sup>3</sup> / <sub>4</sub> " PLG'R x 3 <sup>5</sup> / <sub>8</sub> " BORE ST. BOX	
1	342-955	2 <sup>7</sup> / <sub>8</sub> " PLG'R x 3 <sup>5</sup> / <sub>8</sub> " BORE ST. BOX	
1	342-939	3" PLG'R x 3 <sup>3</sup> / <sub>4</sub> " BORE ST. BOX	
QTY.	PART NO.	DESCRIPTION	ITEM No.

LIST OF MATERIAL

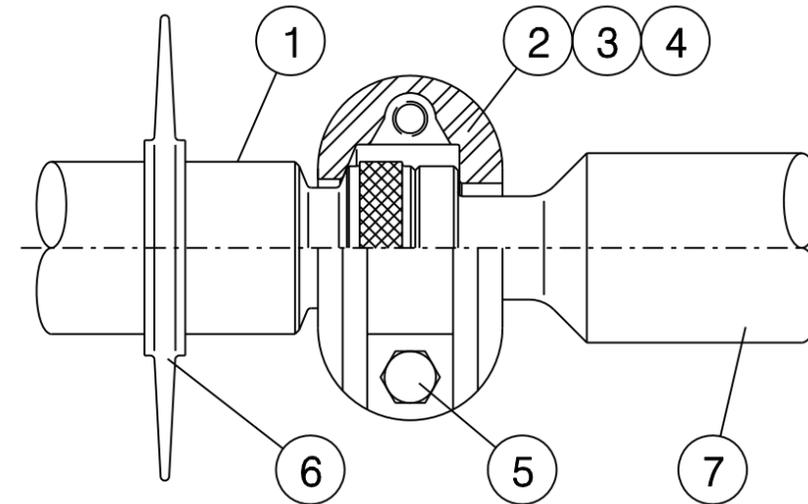
625Q - 7H PLUNGER KIT



TITLE ASSEMBLY, S.S. PLUNGER KITS  
WITH KEVLAR PACKING  
625Q-7H TRIPLEX PUMP

SIZE	REFERENCE No.	DRAWING No.	REV
B		1715518	A
SCALE	NONE	EST WT	SHEET 1 OF 1

BILL OF MATERIAL		
ITEM	PART NO.	DESCRIPTION
1	17150064	INTERMEDIATE ROD, S.S.
2	1715037	CLAMP COMPLETE
3	1715217	CLAMP, BOLT HALF
4	1715218	CLAMP, THREAD HALF
5	700031211	CAPSCREW, HEX HEAD
6	1714020	BAFFLE, INTERMEDIATE ROD



**STRAIGHT / TAPER CLAMP**

\* LISTED PART No.'s WERE PREVIOUSLY HARD COAT PLUNGERS \*

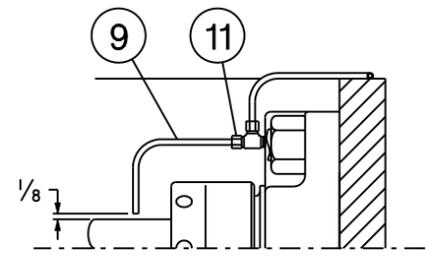
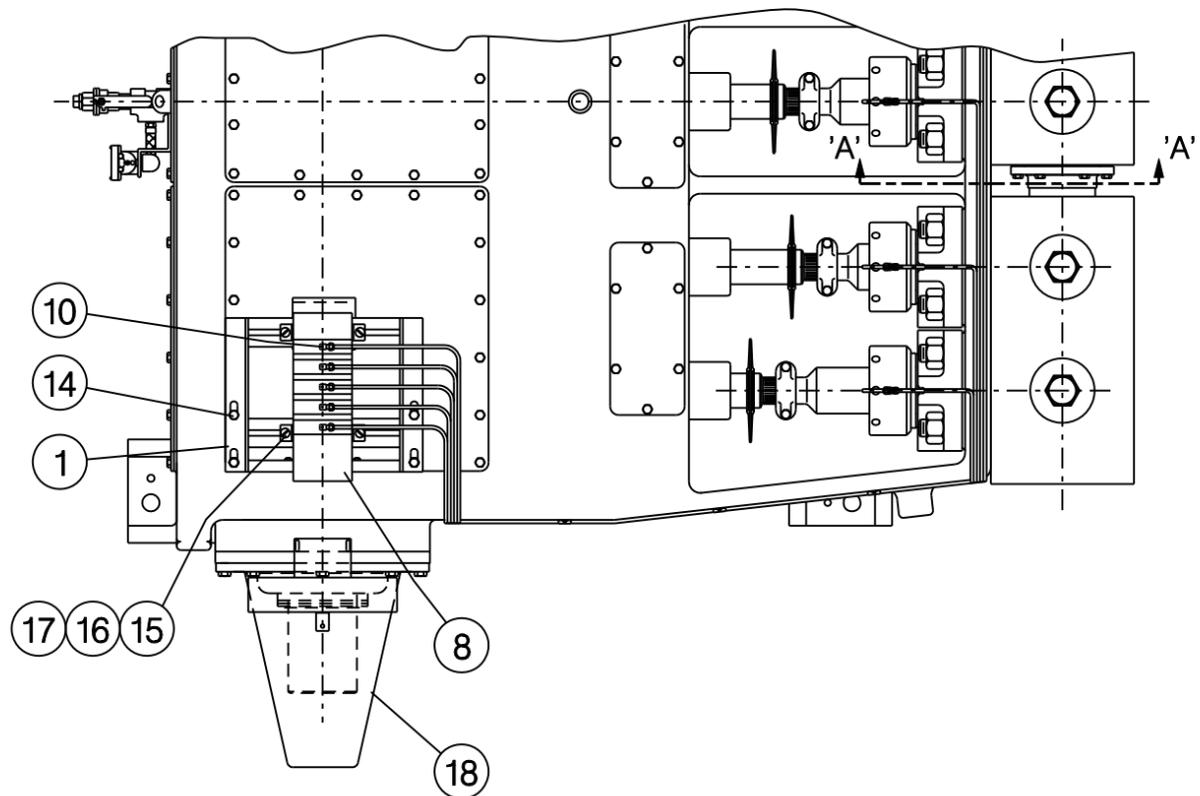
PLUNGERS FOR STRAIGHT / TAPER CLAMPS			
625Q - 7L			
ITEM	* PART No. *	PART No.	DESCRIPTION
7	1715162	340-221	5" CARBIDE PLUNGER
	1715161	340-220	4 <sup>3</sup> / <sub>4</sub> " CARBIDE PLUNGER
	1715160	340-219	4 <sup>1</sup> / <sub>2</sub> " CARBIDE PLUNGER
	1715159	340-218	4 <sup>1</sup> / <sub>4</sub> " CARBIDE PLUNGER
625Q - 7M			
	1715158	340-217	4" CARBIDE PLUNGER
	1715157	340-216	3 <sup>3</sup> / <sub>4</sub> " CARBIDE PLUNGER
	1715156	340-215	3 <sup>1</sup> / <sub>2</sub> " CARBIDE PLUNGER
	1715155	340-214	3 <sup>1</sup> / <sub>4</sub> " CARBIDE PLUNGER
	1715154	340-009	3" CARBIDE PLUNGER
625Q - 7H			
	1714153	340-008	2 <sup>7</sup> / <sub>8</sub> " CARBIDE PLUNGER
	1715153	340-213	2 <sup>3</sup> / <sub>4</sub> " CARBIDE PLUNGER
	-----	-----	2 <sup>5</sup> / <sub>8</sub> " CARBIDE PLUNGER
	1715152	-----	2 <sup>1</sup> / <sub>2</sub> " CARBIDE PLUNGER
	1714151	340-210	2 <sup>3</sup> / <sub>8</sub> " CARBIDE PLUNGER

PLUNGERS FOR STRAIGHT / TAPER CLAMPS		
625Q - 7L		
ITEM	PART No.	DESCRIPTION
7	1715062	5" CERAMIC PLUNGER
	1715061	4 <sup>3</sup> / <sub>4</sub> " CERAMIC PLUNGER
	1715060	4 <sup>1</sup> / <sub>2</sub> " CERAMIC PLUNGER
	1715059	4 <sup>1</sup> / <sub>4</sub> " CERAMIC PLUNGER
625Q - 7M		
	1715058	4" CERAMIC PLUNGER
	1715057	3 <sup>3</sup> / <sub>4</sub> " CERAMIC PLUNGER
	1715056	3 <sup>1</sup> / <sub>2</sub> " CERAMIC PLUNGER
	1715055	3 <sup>1</sup> / <sub>4</sub> " CERAMIC PLUNGER
	1715054	3" CERAMIC PLUNGER
625Q - 7H		
	1714053	2 <sup>7</sup> / <sub>8</sub> " CERAMIC PLUNGER
	-----	2 <sup>3</sup> / <sub>4</sub> " CERAMIC PLUNGER
	1714052	2 <sup>5</sup> / <sub>8</sub> " CERAMIC PLUNGER
	1715052	2 <sup>1</sup> / <sub>2</sub> " CERAMIC PLUNGER
	1714051	2 <sup>3</sup> / <sub>8</sub> " CERAMIC PLUNGER

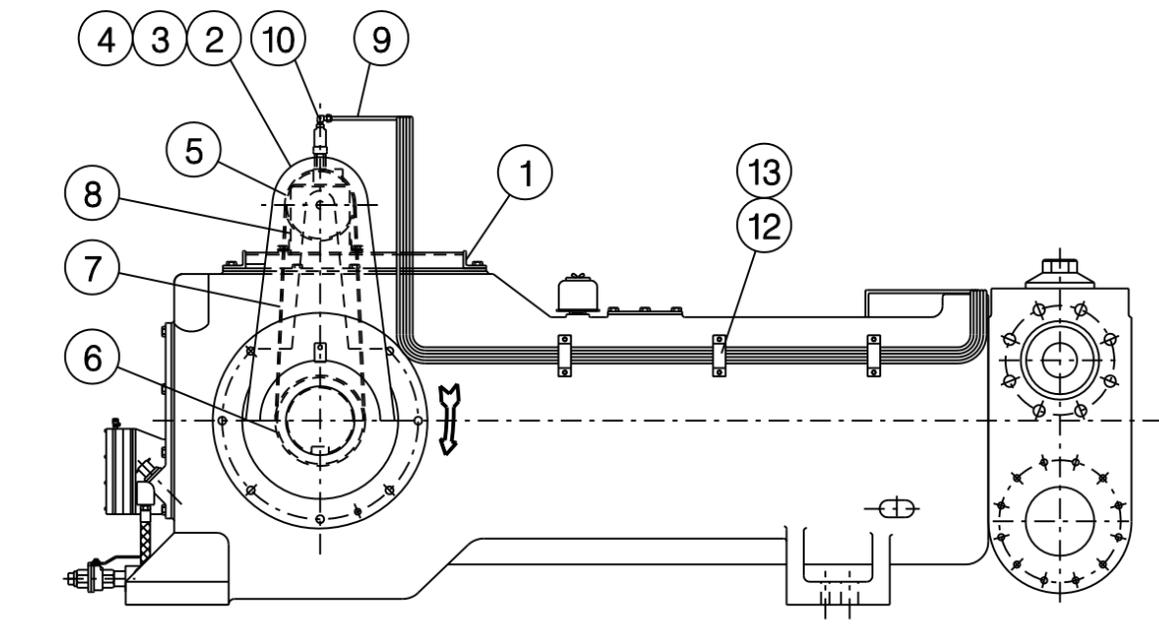
**NOV NATIONAL OILWELL VARCO**

TITLE PLUNGER/INTERMEDIATE ROD ASSY.  
STRAIGHT / TAPER CLAMP  
625Q-7 TRIP. PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715519	REV
SCALE NONE	EST WT	SHEET 1 OF 1	



SECTION 'A-A'  
SCALE: NONE



1	1714530	1714530	COVER, CRANKSHAFT EXTENSION - LONG w/ CUTOUT L.H.	18
	1715212	1715212	COVER, CRANKSHAFT EXTENSION - SHORT w/ CUTOUT R.H.	
4	6300070	6300070	NUT, HEX 7/16"	17
4	7600032	7600032	WASHER, 1/2" N TYPE A 1.062 O.D.	16
4	7801256	7801256	BOLT, OVAL HD 7/16" x 1"	15
4	7000304-11	7000304-11	SCREW, HEX HD CAP 1/2" x 1/4" GR5 CAD PLTD	14
10	7168073	7168073	SCREW, HEX HD #8-32 x 1/4" TYPE F SELF TAPPING	13
3	7802201	7802201	CLIP, ADEL 753	12
5	25854704		TEE, 1/4" TUBE x 1/4" TUBE x 1/8" NPT S.S.	11
		G7819165	TEE, 1/4" TUBE x 1/4" TUBE x 1/8" NPT	
5	64226988		ELBOW, 90° x 1/4" TUBE x 1/8" NPT S.S.	10
		7804080	ELBOW, 90° x 1/4" TUBE x 1/8" NPT	
44FT	64699402		TUBING, STAINLESS STEEL 1/4" OD x .035 WALL	9
		7400420	TUBING, COPPER ASTM B68 1/4" OD x .032 WALL	
1	7811073	7811073	LUBRICATOR, 5 FEED (RH)	8
	7811075	7811075	LUBRICATOR, 5 FEED (LH)	
1	4712610	4712610	BELT, V #2610	7
1	1715211	1715211	SHEAVE, DRIVER 7.6" PD	6
1	7200020	7200020	SHEAVE, LUBRICATOR 6.2" PD	5
1	1790074	1790074	BRACKET, LUBRICATOR GUARD - BOTTOM	4
1	1790051	1790051	BRACKET, LUBRICATOR GUARD - TOP	3
1	1715214	1715214	GUARD, LUBRICATOR BELT (INCLS ITEMS 3 AND 4)	2
1	1715213	1715213	BRACKET, LUBRICATOR MOUNTING	1
QTY REQ'D	PART NO.	PART NO.	DESCRIPTION /MATERIAL /SPECIFICATION	ITEM NO.
	LUBRICATOR ASSY. COMPLETE WITH STAINLESS STEEL LINES	LUBRICATOR ASSY. COMPLETE WITH COPPER LINES		

LIST OF MATERIAL

**NOTES:**  
R.H. LUBRICATOR SHOWN  
L.H. OPPOSITE

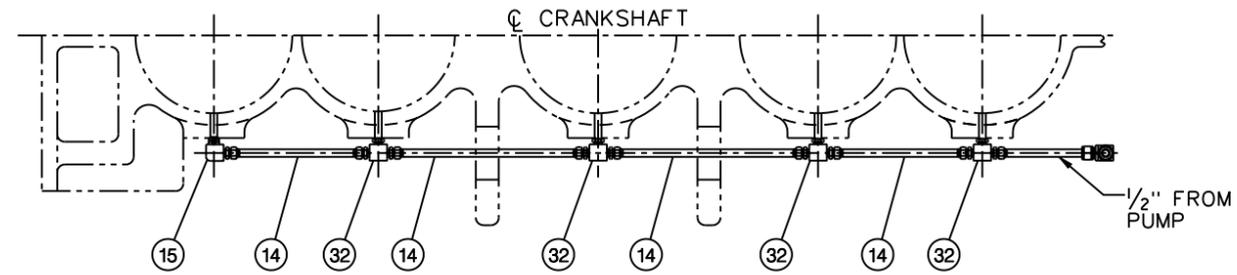
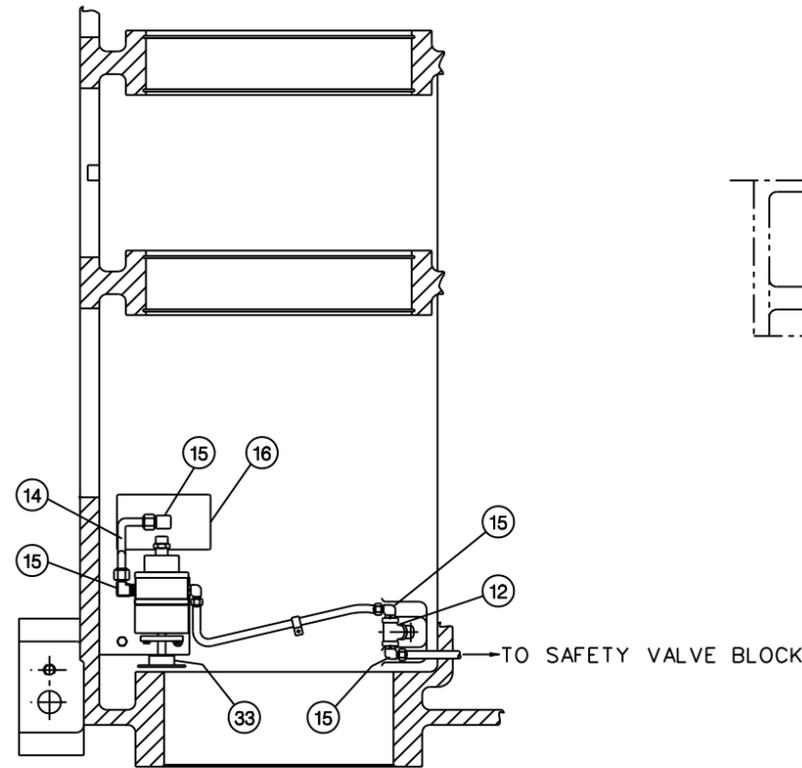
**NOV NATIONAL OILWELL VARCO**

TITLE LUBRICATOR PIPING ASSEMBLY  
LUBRICATOR - 5 FEED (R.H. OR L.H.)  
625Q-7 PLUNGER PUMP

SIZE B	REFERENCE No.	DRAWING No. 1715520	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

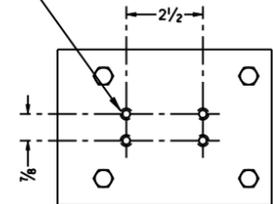
16

LTR	DESCRIPTION OF CHANGE	MADE	CHKD	DATE	APPROVED	M NO
B	REVISED	DCP	RPO	9.30.02	JCA	
C	REVISED VIEW	WFL	RPO	1.27.04	JCA	

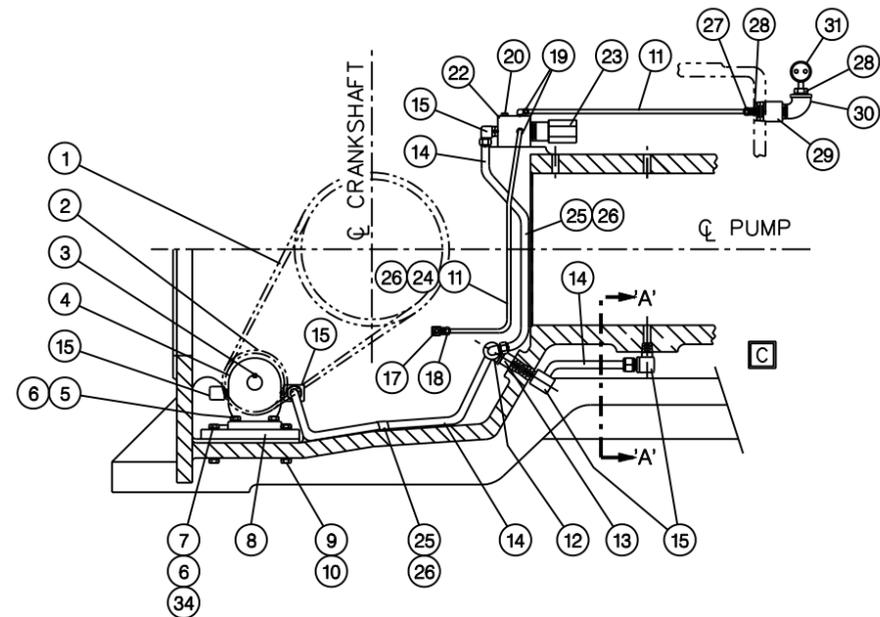


SECTION 'A-A'

AT ASSEMBLY MOUNT SPROCKET ITEM ② ON PUMP ITEM ④. LOCATE & ALIGN WITH CRANKSHAFT DRIVE SPROCKET. DRILL & TAP THRU 4 HOLES 3/8"-16UNC-3B IN MOUNTING BLOCK ITEM ⑧.



DETAIL SHOWING LOCATION & TAP OF PUMP MOUNTING BLOCK  
SCALE: 2X



4	7621024	WASHER, 3/8" TYPE A	34
1	75634014	SCREW, SET-SOCKET HD. 10-24 x 1/2" CUP POINT	33
4	7804957	TEE, SWAGELOK *B-810-3-8TTM	32
1	7806605	GAGE, MARSH - 2 1/2" 0-100 P.S.I. 1/4" N.P.T.	31
1	6829003	ELBOW, STD. M.I. STREET 90° x 3/8"	30
1	G-1717032	ADAPTER, GAGE	29
2	6800031	BUSHING, STD. PIPE 3/8" x 1/4"	28
1	7804955	CONNECTOR, SWAGELOK *B-400-1-4	27
7	7178088	SCREW, RD. HD. DR. TYPE U *10 x 3/8"	26
3	7802215	CLIP, PARKER HANNIFIN 3121-1-8	25
4	7802204	CLIP 1/4" TUBE PARKER 3121-1-4	24
1	2232072	VALVE, SAFETY	23
1	1715035	BLOCK, SAFETY VALVE	22
1	6874002	PLUG, STD. SQ. HD. 1/4"	21
2	7000113-11	CAPSCREW, HEX HD. 1/4" x 2 1/4"	20
3	7804951	ELBOW, SWAGELOK *B-400-2-4	19
2	7804954	CONNECTOR, SWAGELOK *B-400-1-2	18
2	7805050	FITTING, BODY 1/8" N.P.T. M & F LINCOLN *20029	17
1	1714375	STRAINER, OIL 1/2"	16
9	7804950	ELBOW, SWAGELOK * B-810-2-8	15
10 FT	7400820	TUBING, 1/2" COPPER X .032 WALL	14
1	86424003	NIPPLE, STD. PIPE 1/2" x 1/2"	13
1	6888004	TEE, STD. M.I. PIPE 1/2"	12
9 FT	7400420	TUBING, 1/4" COPPER * .032 WALL	11
4	7000204-11	CAPSCREW, HEX HD. 3/8" x 1 1/2"	10
4	7618014	WASHER STAT-O-SEAL PARKER * 600-0101 - 3/8"	9
1	1715327	BLOCK, MOUNTING	8
4	7000209-11	CAPSCREW, HEX HD. 3/8" x 1 1/4"	7
8	7619041	WASHER, 3/8" SPRING LOCK	6
4	7000207-11	CAPSCREW, HEX HD. 3/8" x 7/8"	5
1	7815071	PUMP, B&S *2	4
1	2402570	KEY, 3/16" x 3/16" x 3/8" RBE	3
1	1715369	SPROCKET, 3/8" P 34 TEETH	2
1	5700011-135	CHAIN, RC35-1 3/8" P 135 PITCHES	1
QTY REQD	PART NO.	DESCRIPTION/SPECIFICATION	ITEM NO.
LIST OF MATERIAL			

\* \*

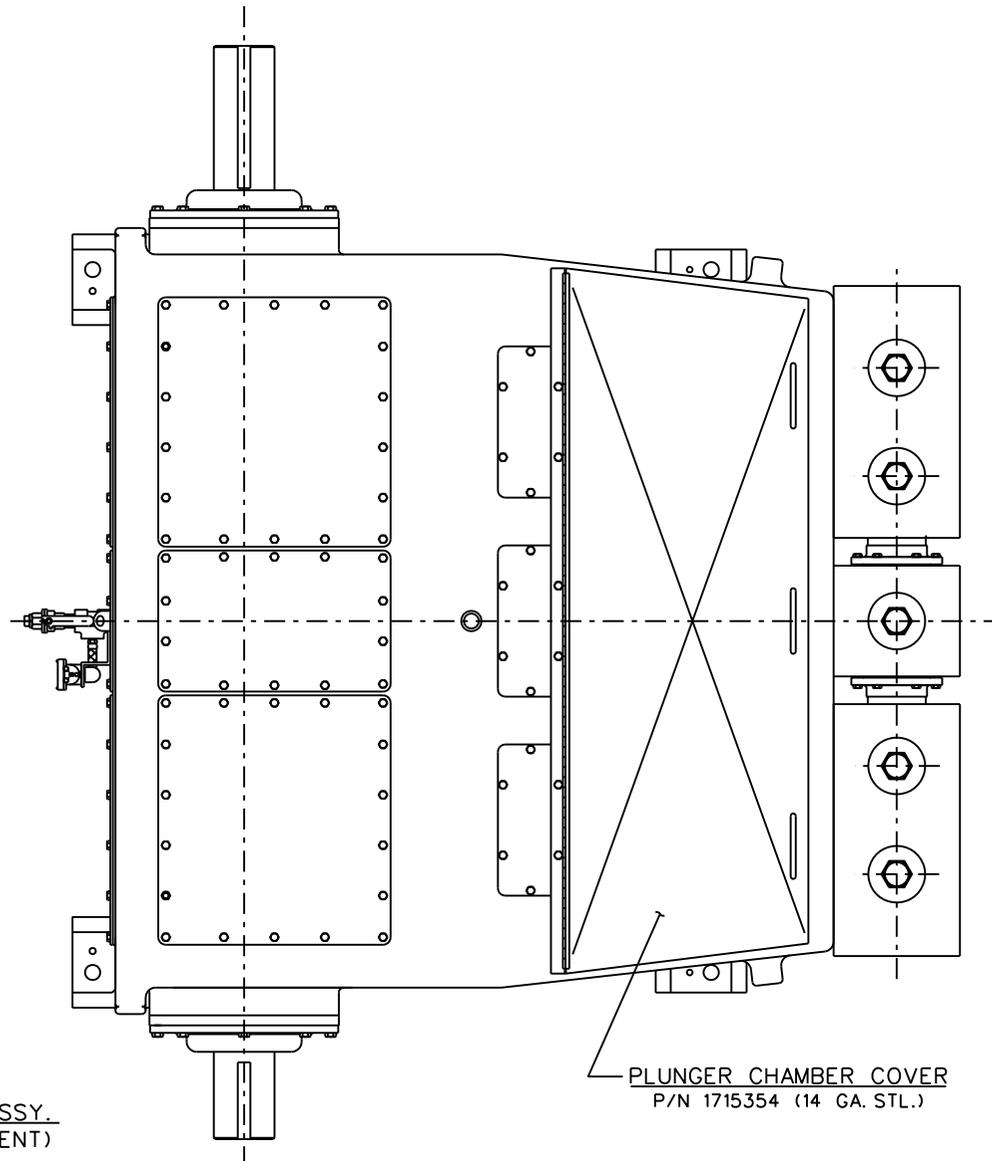
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\* SHIP SEPARATE  
\* \* FOR SHIPPING PURPOSES ONLY

1715023 IS OIL LUBE PIPING P/N

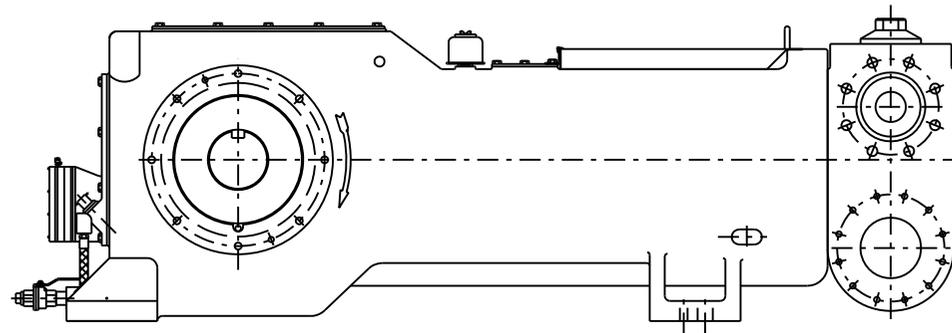
**NOV NATIONAL OILWELL VARCO**

TITLE			
PIPING, OIL LUBRICATION-STD. 625Q-7 POWER END			
SIZE	REFERENCE No.	DRAWING No.	REV
B		1715521	C
SCALE	EST WT	SHEET 1 OF 1	
NONE			

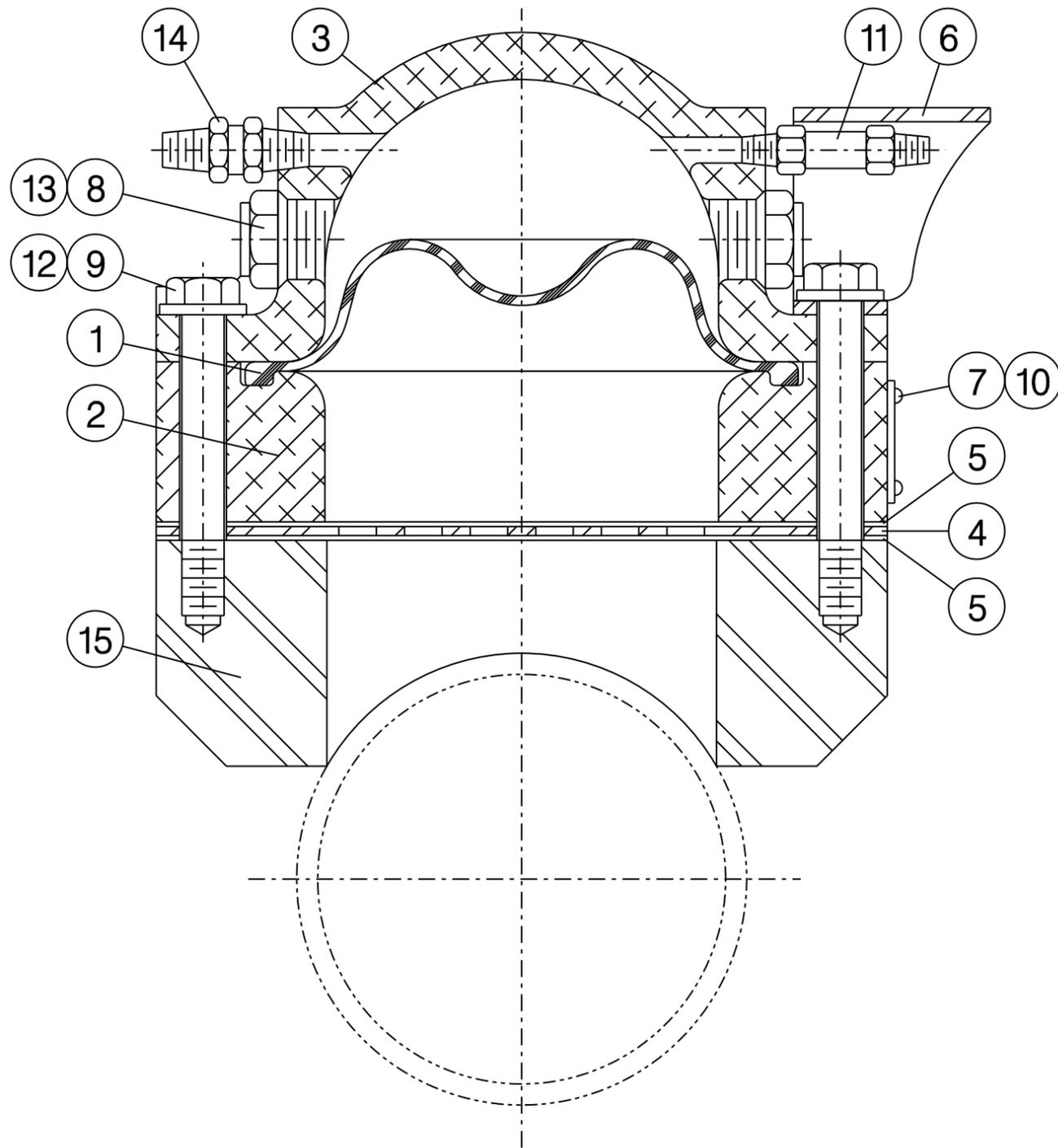


PLUNGER CHAMBER COVER  
P/N 1715354 (14 GA. STL.)

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



<b>NOV NATIONAL OILWELL VARCO</b>			
TITLE OPTIONAL ACCESSORIES 625Q-7 TRIPLEX PLG'R PUMP			
SIZE C	REFERENCE No.	DRAWING No. 1715522	REV
SCALE NONE	EST WT	SHEET 1 OF 1	

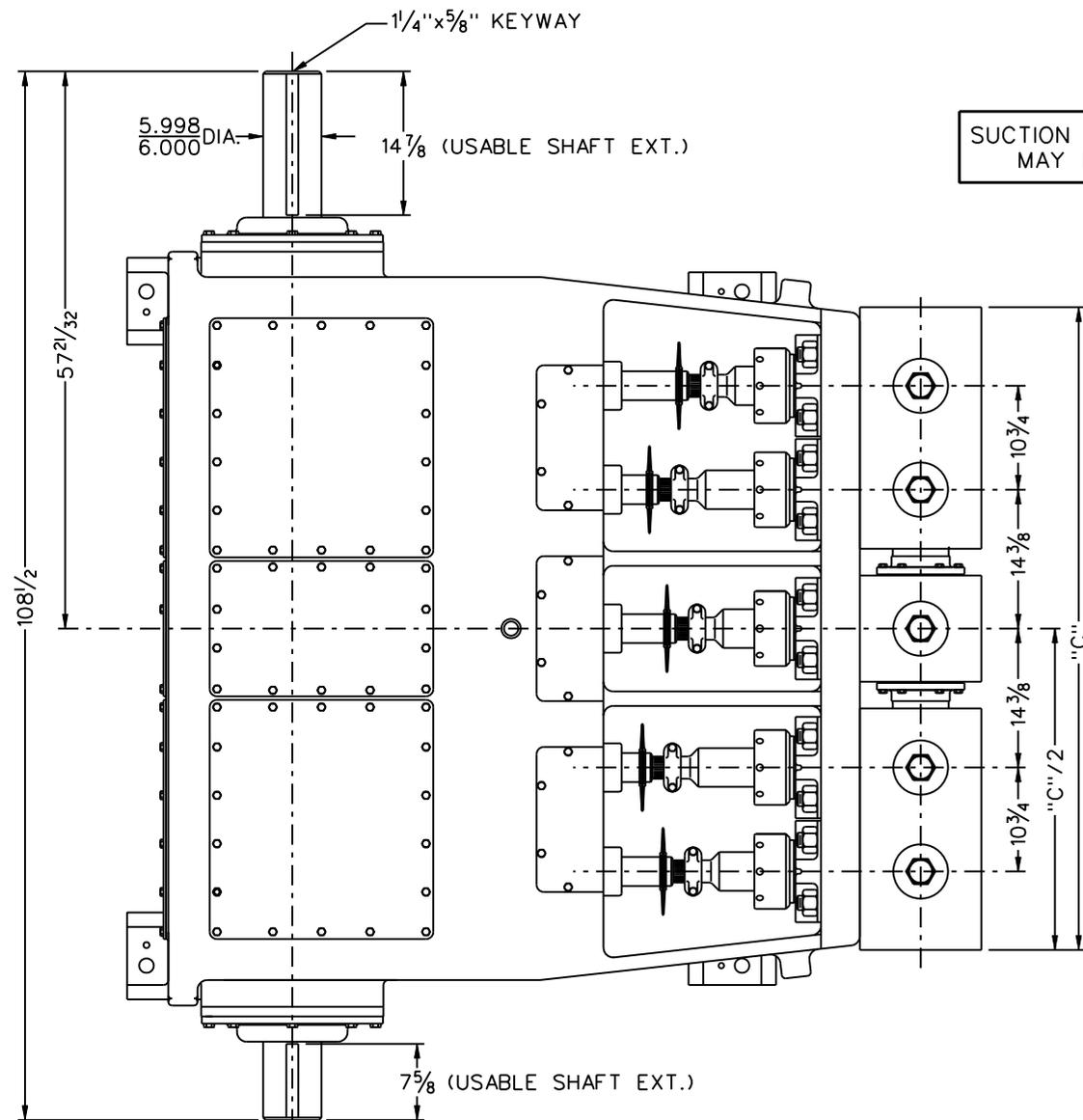


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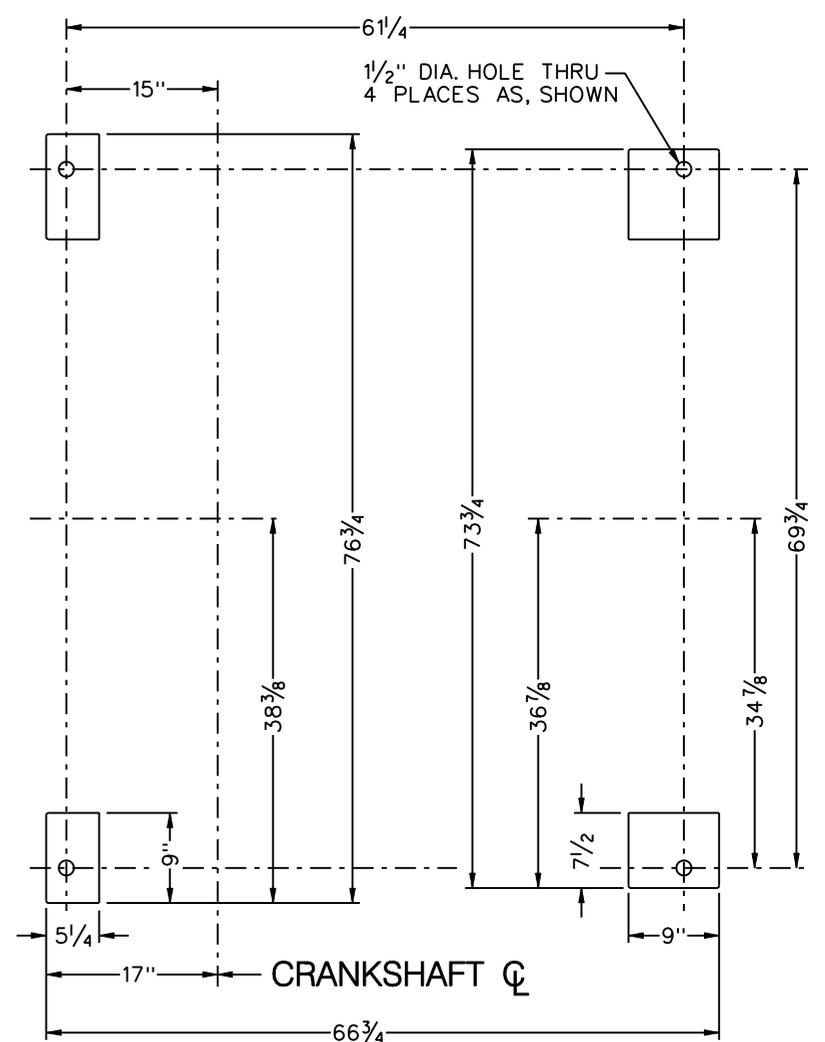
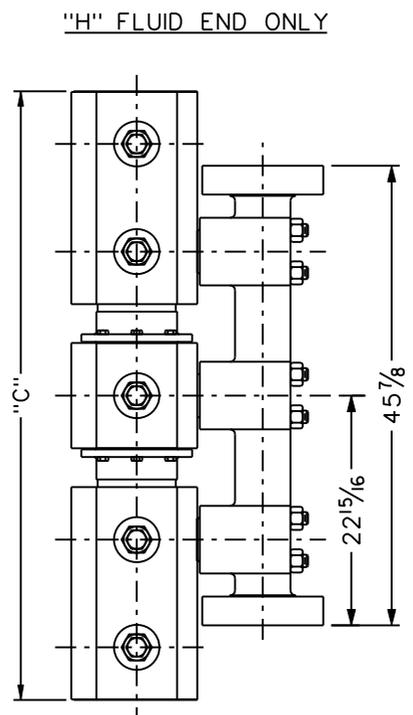
1	1292234	PLATE, MOUNTING (FOR 12")	15
1	1290209	PLATE, MOUNTING (FOR 10")	
1	1290211	PLATE, MOUNTING (FOR 8")	
1	1291271	PLATE, MOUNTING (FOR 6")	
1	7500396	VALVE, RELIEF 1/4" NPT #559B-2M-70	14
1	7815106	PLUG, SIGHT TEDECO *W-54	13
32	7600036	WASHER, 9/16 N TYPE "A" 1.159 O.D.	12
1	7500021	VALVE, CHECK - DILL #02500-100AA-643VC	11
8	7178025	DRIVESCREW, #2 x 1/4" LG. ROUND HD.	10
32	7000361-11	CAPSCREW, 9/16-12UNC x 4" LG. HEX HD.	9
2	2410031-024	PACKING, SIGHT PLUG	8
1	2407136	PLATE, INSTRUCTION	7
1	1290228	GUARD, AIR VALVE	6
2	1290199	GASKET	5
1	1290198	RETAINER	4
1	1290197	COVER	3
1	1290196	SPACER	2
1	1290195	DIAPHRAGM	1
	1292233	DAMPENER COMPLETE - 12" (34 1/2" LG.)	
	1290208	DAMPENER COMPLETE - 10" (34 1/2" LG.)	
	1290210	DAMPENER COMPLETE - 8" (34 1/2" LG.)	
	1291270	DAMPENER COMPLETE - 6" (34 1/2" LG.)	
QTY.	PART NO.	DESCRIPTION	ITEM NO.
LIST OF MATERIAL			

\* FOR 6", 8", 10" & 12" DIA. DAMPENERS

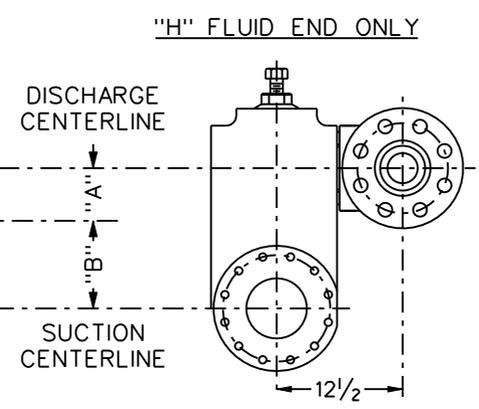
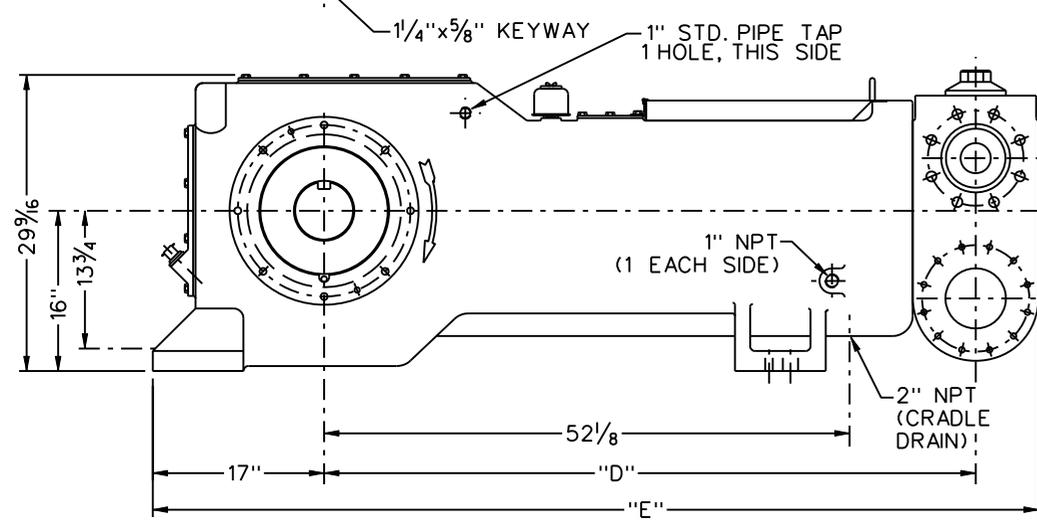
<b>NOV NATIONAL OILWELL VARCO</b>			
TITLE HIGH PRESSURE ALUMINUM BODY IN-LINE SUCTION DAMPENER (WELD-ON) PLUNGER PUMPS			
SIZE <b>B</b>	REFERENCE No.	DRAWING No. <b>1715523</b>	REV
SCALE NONE	EST WT	SHEET 1 OF 1	



SUCTION & DISCHARGE CONNECTIONS  
MAY BE MADE AT EITHER END



PUMP FOOTPRINT



\* "H" CYLINDER SUCTION DIM. ONLY

PUMP TYPE	DISCHARGE CONNECTION	SUCTION CONNECTION	DIMENSIONS IN INCHES				
			A	B	C	D	E
625Q-7L	6" API 2000* R.J.	10" ANSI 150* F.F.	10 1/4	10 3/4	69 1/4	65 3/8	90 3/8
625Q-7M	4" ANSI 1500* R.J.	6" ANSI 300* F.F.	5 1/4	8 3/4	66 1/2	64 5/8	87 7/8
625Q-7H	3" ANSI 2500* R.J.	6" ANSI 300* F.F.	5 1/4	8 3/4	60 3/4*	64 7/8	100 3/8

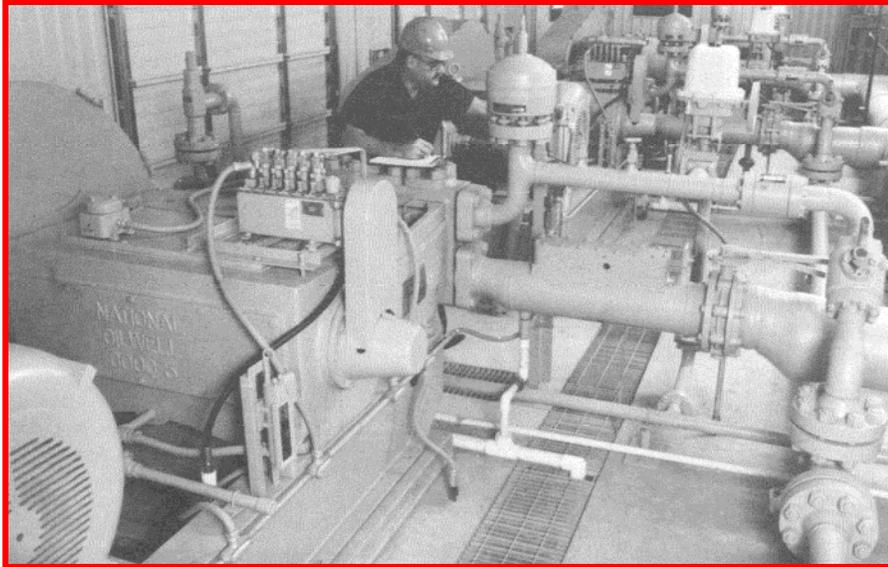
**NATIONAL OILWELL VARCO**

TITLE: OUTLINE DRAWING  
625Q-7 QUINT. PLG'R PUMP

SIZE: C REFERENCE No. DRAWING No. 1715524 REV

SCALE: NONE EST WT SHEET 1 OF 1

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