

GARDNER-DENVER®

3-1-520
1st Edition

**3" STROKE
TRIPLEX PLUNGER PUMP
MODELS
TACA_B & TACB_B**

PARTS LIST

**Gardner
Denver**

MODEL TAC MATRIX AND MENU
TRIPLEX PLUNGER PUMP
3" STROKE
ELEVEN (11) CHARACTER MODEL DESIGNATIONS

NOTICE TO CUSTOMER — To find the construction options for your pump unit, FILL IN THE BALANCE OF LETTERS OR NUMBERS FROM YOUR UNIT NAMEPLATE

	T	A	C			B	A	A			
COLUMN NUMBER:	1	2	3	4	5	6	7	8	9	10	11
FOLLOW THE LINE DOWN AND OVER FROM EACH SPACE THUS FILLED IN TO FIND THE APPROPRIATE CONSTRUCTION OPTION WITH WHICH YOUR MACHINE IS EQUIPPED. THE NUMBER "9" IN ANY COLUMN SPACE INDICATES "NOT APPLICABLE". THE NUMBER "8" IN ANY COLUMN SPACE INDICATES SPECIAL DESIGN — REFER TO FACTORY ORDER TICKET.											
COLUMNS 1, 2 & 3 — BASIC FAMILY _____											
COLUMN 4 — TYPE SERVICE _____ A. General Service — LP Cast Aluminum Bronze (3" max Plunger & Packing) B. General Service — HP Block Aluminum Bronze (1-1/2" max Plunger & Packing)											
COLUMN 5 — SIZE SELECTIVE _____ A. 3" LP B. 2-3/4" LP C. 2-1/2" LP D. 2-1/4" LP E. 2" LP F. 1-3/4" LP G. 1-1/2" HP H. 1-1/4" HP J. 1" HP											
COLUMN 6 — DESIGN VERSION _____											
COLUMN 7 — STUFFING BOX MATERIAL SELECTIVE _____ A. Bronze (Standard)											
COLUMN 8 — PLUNGER MATERIAL SELECTIVE _____ A. Colmonoy (Standard) B. Ceramic											
COLUMN 9 — PACKING TYPE SELECTIVE _____ A. "J" Design Nonadjustable											
COLUMN 10 — FLUID VALVE SELECTIVE (Suction & Discharge) _____ A. Bronze — Delrin Plate Type (Standard) B. Stainless Steel — Delrin Plate Type C. Monel — Delrin Plate Type D. Bronze — Wing or Stem Guided without Insert E. Steel — Wing or Stem Guided without Insert											
COLUMN 11 — OPTIONAL EQUIPMENT SELECTIVE _____											

INSTRUCTIONS FOR ORDERING REPAIR PARTS

When ordering parts, specify complete eleven (11) character Pump Model, Size and Serial Number (see name plate on pump). Serial Number is also stamped on cylinder end of frame.

All orders for Parts should be placed with the nearest Sales and Service Office.

Reference numbers shown in the left hand column of the Parts Lists are used to help locate the parts shown on the Drawings and Sectional Views. DO NOT ORDER BY REFERENCE NUMBERS.

After locating the reference number, the part number may be found for your particular pump unit under the correct Model Number column.

Specify exactly the number of parts required (see column - "Qty. Req. Per Pump"). DO NOT ORDER BY SETS.

To determine the Right Hand and Left Hand side of the pump, stand at the power end and face the fluid end of the pump.

PARTS RETURNED

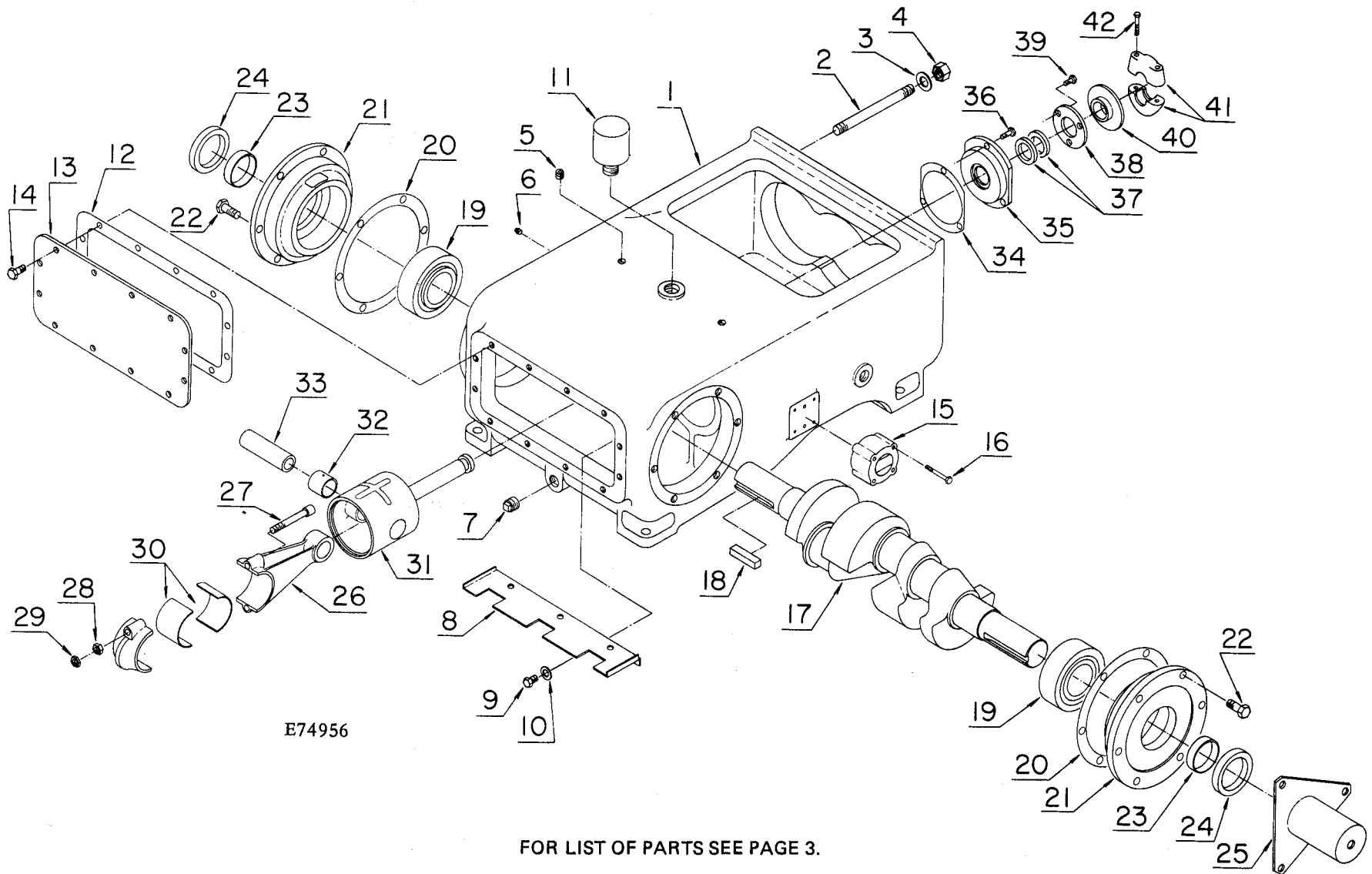
All claims must be made within five days after receipt of goods. If order has been filled correctly, we cannot allow

the return of the goods without our consent and then only on a basis of a charge for service and rehandling plus transportation charges.

Transportation charges must be prepaid. If it is necessary to return a part to the factory for duplication or inspection, do not fail to do the following:

1. Write the nearest Sales and Service Office a letter advising what material you wish to return and why.
2. After receiving permission to return the item or items, obtain from the Sales and Service Office the correct forms filled out by that office for the proper return of material.
3. Place a tag in the package showing your name and address.
4. Tag each article in the box or package stating what and how many are returned.
5. Always give the serial number of the machine from which the parts were removed or the invoice number on which the parts were originally shipped.

All parts returned for credit should be handled in the same manner as that for duplication or inspection.



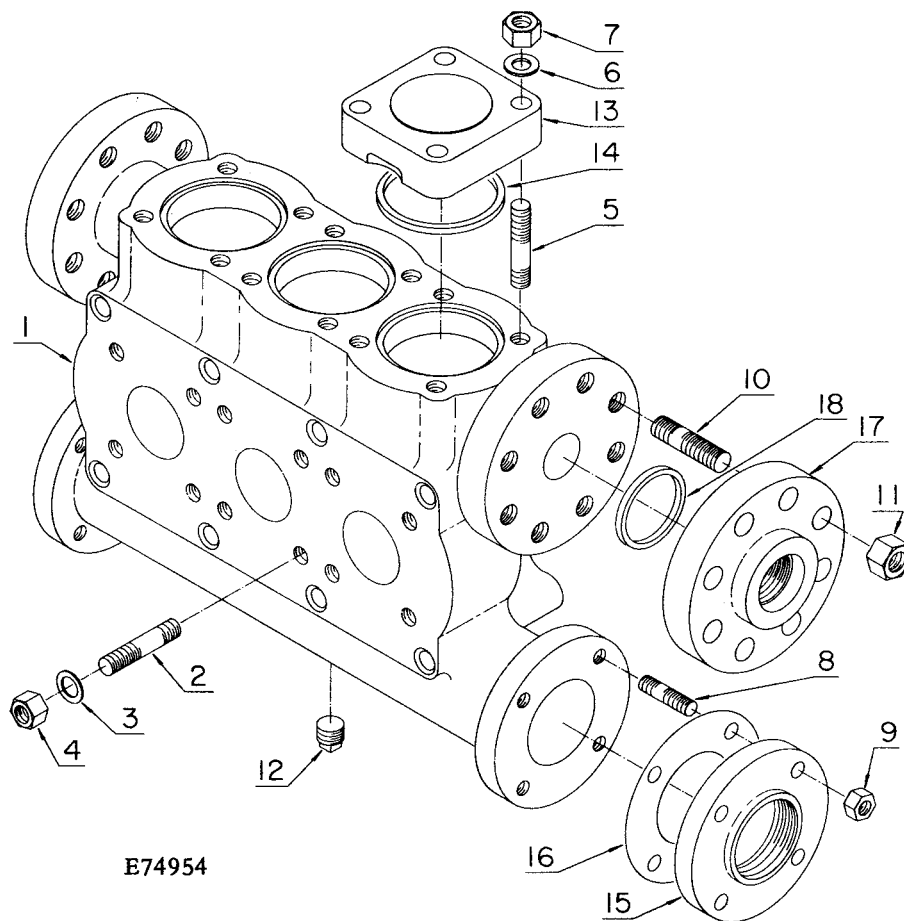
Order by Part Number and Description. Reference Numbers for your convenience only.

Ref. No.	Name of Part	Qty. Req. Per Pump	Models
			TACA ____B TACB ____B
POWER END			
1	ASM FRAME, Incl. Ref. No. 2 thru 10	1	TA3172A
2	STUD, Frame to Cylinder	8	79AJ13
3	WASHER, Frame to Cylinder	8	95U8
4	NUT, Frame to Cylinder	8	50B32
5	PLUG-CSK PIPE, Oil Hole	2	64B5
6	PLUG-CSK PIPE, Frame Oil Level	2	64AC1
7	PLUG-SqHd PIPE, Frame Oil Drain	1	64AA3
8	TROUGH, Frame Crosshead Oil	1	2006707
9	SCREW, Frame Crosshead Oil Trough	2	75A68N
10	WASHER, Frame Crosshead Oil Trough	2	95A3
11	CAP-BREATHER	1	5C22
12	GASKET, Inspection Plate	1	1TA3715
13	PLATE-INSPECTION	1	TA3842
14	SCREW, Inspection Plate	12	75A192
15	GAUGE-OIL LEVEL, Incl. Ref. No. 16	1	27N22
16	SCREW, Oil Level Gauge	4	75A155
17	CRANKSHAFT	1	TA3174
18	KEY, Crankshaft	1	35B204
19	BEARING	2	12C91
20	SHIM, Bearing Housing	2	200TAC732
21	HOUSING-BEARING	2	TA3366
22	SCREW, Bearing Housing	12	75A29
23	SLEEVE, Oil Seal	2	80L9
24	SEAL-OIL, Crankshaft	2	60G1
25	COVER-CRANKSHAFT EXTENSION	1	*TA3850

Ref. No.	Name of Part	Qty. Req. Per Pump	Models
			TACA ____B TACB ____B
POWER END (Continued)			
26	ASM CONNECTING ROD, Incl. Ref. No. 27 & 30 .	3	2005844
27	ASM CONNECTING ROD BOLT, Incl. Ref. No. 28 & 29	6	2013706
28	NUT, Connecting Rod Bolt	6	50AQ26
29	LOCKNUT, Connecting Rod Bolt	6	50M11
30	BEARING, Connecting Rod	6	12M50
31	CROSSHEAD & BUSHINGS, Incl. Ref. No. 32 . .	3	TA3175
32	BUSHING, Crosshead	6	12F100
33	PIN, Crosshead	3	62F88
34	GASKET, Oil Stop Head	3	5TA3715
35	HEAD-OIL STOP	3	TA3226
36	SCREW, Oil Stop Head	9	75A1
37	PACKING, Oil Stop Head	3	60DD102
38	PLATE-PACKING RETAINER	3	TA31206
39	SCREW, Packing Retainer Plate	9	75A5N
40	BAFFLE	3	PG840
41	PLUNGER COUPLING, Incl. Ref. No. 42	3	PT1304
42	SCREW, Plunger Coupling	6	75A23N

*Crankshaft Extension Cover is not required when lubricator is used.

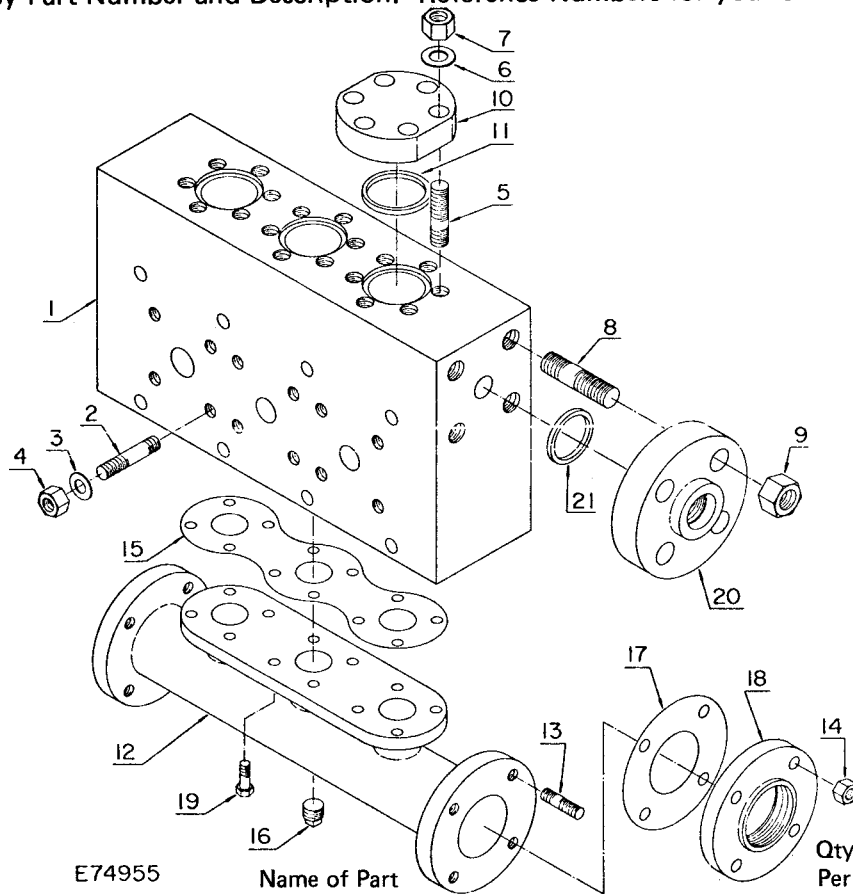
Order by Part Number and Description. Reference Numbers for your convenience only.



Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACA ____ B
LOW PRESSURE FLUID CYLINDER			
1	ASM FLUID CYLINDER, Incl. Ref. No. 2 thru 12	1	Part No. TA329B
2	STUD, Stuffing Box	12	79AJ14
3	WASHER, Stuffing Box Stud	12	95U8
4	NUT, Stuffing Box Stud	12	50AQ29
5	STUD, Valve Cover	12	79AJ14
6	WASHER, Valve Cover Stud	12	95U8
7	NUT, Valve Cover Stud	12	50B32
8	STUD, Suction Flange	8	79L54
9	NUT, Suction Flange Stud	8	50B7
10	STUD, Discharge Flange	16	79L71
11	NUT, Discharge Flange Stud	16	50B9
12	PLUG-SqHd PIPE, Suction Drain	3	64AJ16
13	COVER-VALVE	3	TA3147
14	GASKET, Valve Cover	3	25AL36
15	FLANGE, Suction (Aluminum Bronze)	2	64DJ16*
15	FLANGE, Suction (Steel)	2	64CA9*
16	GASKET, Suction Flange	2	25C2211*
17	FLANGE, Discharge (Aluminum Bronze)	2	64DJ19*
17	FLANGE, Discharge (Steel)	2	200TAE073*
18	GASKET, Discharge Flange	2	25AL39*

*These parts are not standard equipment but are furnished when ordered.

Order by Part Number and Description. Reference Numbers for your convenience only.



Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACB ____ B
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HIGH PRESSURE FLUID CYLINDER

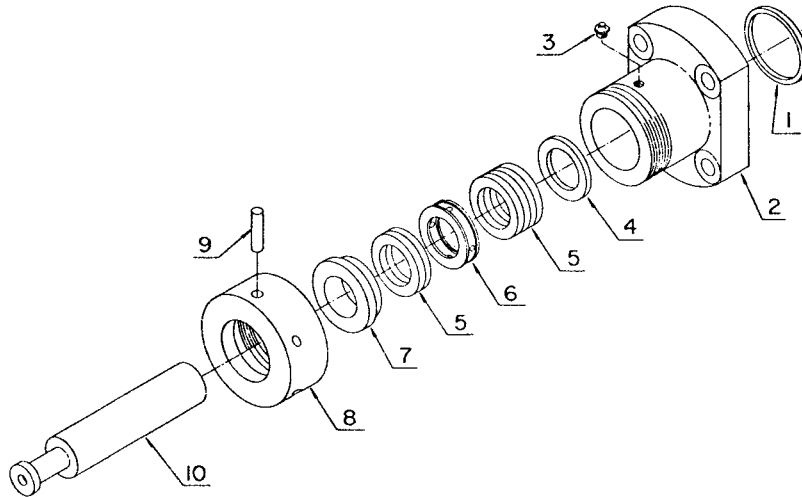
Part No.

1	ASM FLUID CYLINDER, Incl. Ref. No. 2 thru 9	1	200TAC029B
2	STUD, Stuffing Box	12	79AJ14
3	WASHER, Stuffing Box Stud	12	95U8
4	NUT, Stuffing Box Stud	12	50AQ29
5	STUD, Valve Cover	18	79L71
6	WASHER, Valve Cover Stud	18	95U9
7	NUT, Valve Cover Stud	18	50B33
8	STUD, Discharge Flange	8	79L10
9	NUT, Discharge Flange Stud	8	50B11
10	COVER-VALVE	3	1PW147
11	GASKET, Valve Cover	3	25AL39
12	ASM SUCTION MANIFOLD, Incl. Ref. No. 13 thru 16	1	1TA3110A
13	STUD, Suction Flange	8	79L54
14	NUT, Suction Flange Stud	8	50B7
15	GASKET, Suction Manifold to Cylinder	1	3TA3715
16	PLUG-SqHd PIPE, Manifold Drain	1	64AJ16
17	GASKET, Suction Flange	2	25C2211*
18	FLANGE, Suction (Aluminum Bronze)	2	64DJ16*
18	FLANGE, Suction (Steel)	2	64CA9*
19	SCREW, Suction Manifold to Cylinder	12	75A12
20	FLANGE, Discharge (Aluminum Bronze)	2	200TAC073*
20	FLANGE, Discharge (Steel)	2	TA578*
21	GASKET, Discharge Flange	2	25AL54*

* These parts are not standard equipment but are furnished when ordered.

Order by Part Number and Description. Reference numbers for your convenience only.

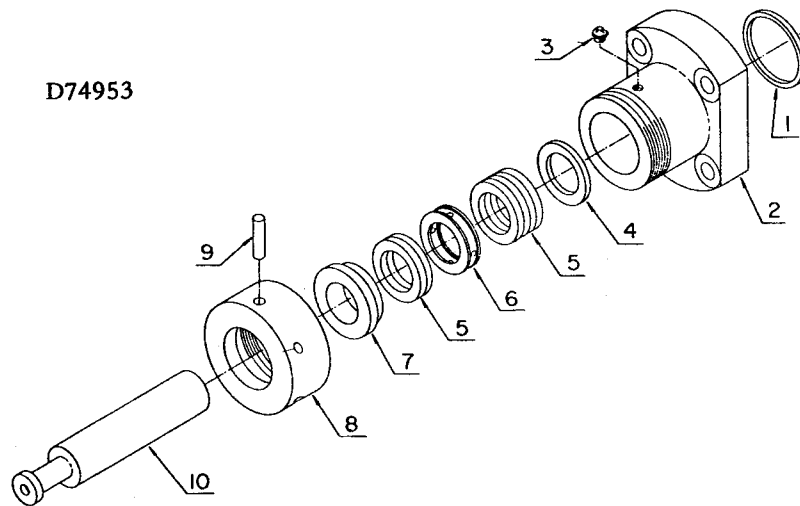
D74953



Ref. No.	Name of Part	Qty. Req. Per Pump	3"	Model TACA 2-3/4"	___ B 2-1/2"
*STUFFING BOX, PLUNGER & PLUNGER PACKING					
			Part No.	Part No.	Part No.
1	GASKET, Stuffing Box	3	25AL60	25AL60	25AL60
2	STUFFING BOX, Incl. Ref. No. 3	3	TA314	1TA314	1TA314
3	FITTING-LUBE	3	40E7	40E7	40E7
	ASM PACKING, Incl. Ref. No. 4 thru 7	3	TA3160030	PS160027	PS160025
4	RING-JUNK	3	TA331730	PS31727	PS31725
5	PACKING	3	60BU165	60BU100	60BU101
6	SPACER-LANTERN	3	TA344530	PS44527	PS44525
7	BUSHING-GLAND	3	TA315230	PS15227	PS15225
8	GLAND	3	TA3113	TA3113	TA3113
9	PIN, Stuffing Box Gland	3	62L45	62L45	62L45
10	PLUNGER (Ceramic)	3	PT3830	PT3827	PT3825
10	PLUNGER (Colmonoy)	3	1PT3830	1PT3827	1PT3825
			2-1/4"	2"	1-3/4"
1	GASKET, Stuffing Box	3	25AL60	25AL60	25AL60
2	STUFFING BOX, Incl. Ref. No. 3	3	2TA314	2TA314	3TA314
3	FITTING-LUBE	3	40E7	40E7	40E7
	ASM PACKING, Incl. Ref. No. 4 thru 7	3	PS160022	PS160020	PS160017
4	RING-JUNK	3	PQ31722	PQ31720	PQ31717
5	PACKING	3	60BU29	60BU97	60BU31
6	SPACER-LANTERN	3	PQ44522	PQ44520	PQ44517
7	BUSHING-GLAND	3	PS15222	PS15220	PS15217
8	GLAND	3	TA3113	TA3113	TA3113
9	PIN, Stuffing Box Gland	3	62L45	62L45	62L45
10	PLUNGER (Ceramic)	3	PT3822	PT3820	PT3817
10	PLUNGER (Colmonoy)	3	1PT3822	1PT3820	1PT3817

*Selective for Columns 7, 8 and 9.

Order by Part Number and Description. Reference numbers for your convenience only.



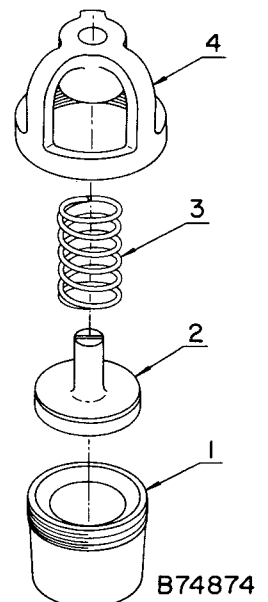
Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACB ____ B			
			1-1/2"	1-1/4"	1"	
*STUFFING BOX, PLUNGER & PLUNGER PACKING			Part No.	Part No.	Part No.	
1	GASKET, Stuffing Box	3	25AL59	25AL59	25AL59	
2	STUFFING BOX, Incl. Ref. No. 3	3	4TA314	6TA314	6TA314	
3	FITTING-LUBE	3	40E7	40E7	40E7	
ASM PACKING, Incl. Ref. No. 4 thru 7			3	PQ160015	PQ160012	PQ160010
4	RING-JUNK	3	PQ31715	PQ31712	PQ31710	
5	PACKING	3	60BU98	60BU33	60BU99	
6	SPACER-LANTERN	3	PQ44515	PQ44512	PQ44510	
7	BUSHING-GLAND	3	PQ15215	PQ15212	PQ15210	
8	GLAND	3	PQ113	PQ113	PQ113	
9	PIN, Stuffing Box Gland	3	62L45	62L45	62L45	
10	PLUNGER (Ceramic)	3	PT3815	PT3812	PT3810	
10	PLUNGER (Colmonoy)	3	1PT3815	1PT3812	1PT3810	

*Selective for Columns 7, 8 & 9.

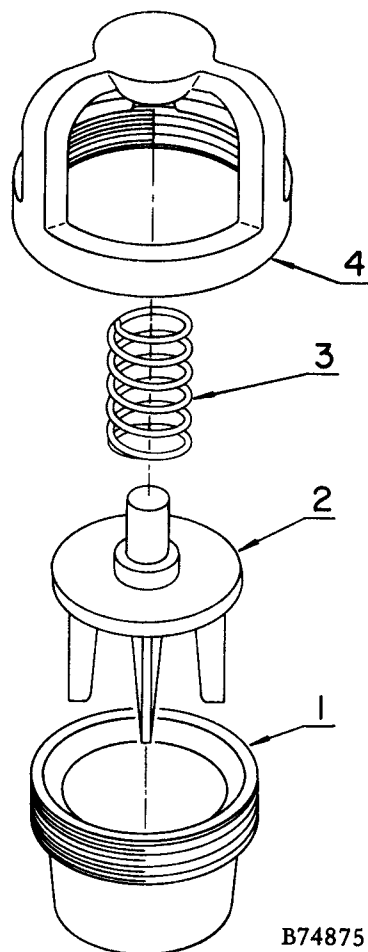
Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACB ____ B	
**SUCTION VALVE STEM GUIDED WITHOUT INSERT			Part No. (Aluminum Bronze)	Part No. (Steel)
	ASM FLUID VALVE, Incl. Ref. No. 1 thru 4	3	208VSB482A	210VSB482A
1	SEAT-VALVE	3	200VSB039	201VSB039
2	VALVE-FLUID	3	TA369	1TA369
3	SPRING	3	78H32	78H32
4	CAGE-VALVE	3	200VSA054	201VSA054

Valve Seat Puller Kit TQC75903 includes (1) TQC75902 Puller Group as shown on page 12
(1) 211TAE219 Suction Valve Puller Head and (1) 208TAE219 Discharge Valve Puller Head.
Puller Kit not furnished with pump.

**Selective for Column 10.



Order by Part Number and Description. Reference numbers for your convenience only.



Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACA ____ B
* SUCTION VALVE			
WING GUIDED – ALUMINUM BRONZE			
WITHOUT INSERT			
			Part No.
	ASM VLUID VALVE, Incl. Ref. No. 1 thru 4	3	208VWG482A
1	SEAT-VALVE	3	200VWG039
2	VALVE-FLUID	3	PT206
3	SPRING	3	78H22
4	CAGE-VALVE	3	200VWF054

Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACA ____ B	Model TACB ____ B
*DISCHARGE VALVE				
WING GUIDED – ALUMINUM BRONZE				
WITHOUT INSERT				
			Part No.	Part No.

	ASM FLUID VALVE, Incl. Ref. No. 1 thru 4	3	208VWJ482A	208VWD482A
1	SEAT-VALVE	3	200VWJ039	200VWD039
2	VALVE-FLUID	3	PA206	3PG206
3	SPRING	3	78H26	78H24
4	CAGE-VALVE	3	200VWJ054	200VWC054

Ref. No.	Name of Part	Qty. Req. Per Pump	Model TACB ____ B
*DISCHARGE VALVE			
WING GUIDED – STEEL			
WITHOUT INSERT			
			Part No.

	ASM FLUID VALVE, Incl. Ref. No. 1 thru 4	3	210VWD482A
1	SEAT-VALVE	3	201VWD039
2	VALVE-FLUID	3	6PG206
3	SPRING	3	78H22
4	CAGE-VALVE	3	201VWC054

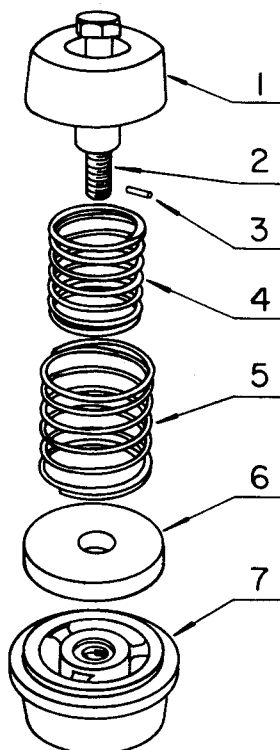
Valve Seat Puller Kit TAC75912 for Model TACA ____ B includes (1) TAC75911 Puller Group as shown on page 12, (1) 209TAE219 Suction Valve Puller Head and (1) 210TAE219 Discharge Valve Puller Head.

Valve Seat Puller Kit TQC75903 for Model TACB ____ B includes (1) TQC75902 Puller Group as shown on page 12, (1) 211TAE219 Suction Valve Puller Head and (1) 208TAE219 Discharge Valve Puller Head.

Puller Kit not furnished with pump.

*Selective for Column 10.

Order by Part Number and Description. Reference numbers for your convenience only.



A75300

***DELTRIN DISC FLUID VALVES FOR
L.P. CAST ALUMINUM BRONZE CYLINDERS**

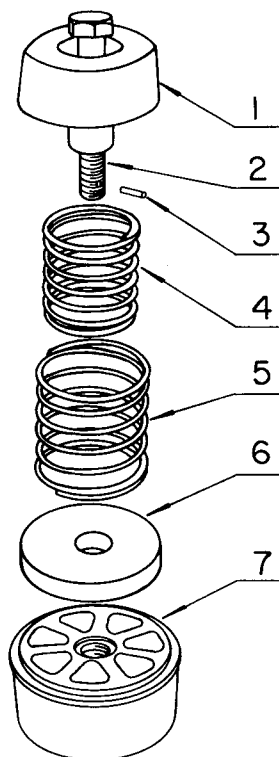
Model TACA ____ B

Ref. No.	Name of Part	Qty. Req. Per Pump	Aluminum Bronze	Stainless Steel	Monel
SUCTION VALVE			Part No.	Part No.	Part No.
	ASM FLUID VALVE, Incl. Ref. No. 1 thru 7	3	200VLG482	201VLG482	202VLG482
1	RETAINER	3	2010585	2010585	2010585
2	FASTENER	3	2010598	2010598	2010598
3	PLUG-LOCK, Thread	3	2010602	2010602	2010602
4	SPRING (Inner)	3	2010605	2010605	2010605
5	SPRING (Outer)	3	2010608	2010608	2010608
6	PLATE-VALVE	3	2010612	2010612	2010612
7	SEAT-VALVE	3	2010626	2010627	2010628
DISCHARGE VALVE					
	ASM FLUID VALVE, Incl. Ref. No. 1 thru 7	3	210VLJ482	211VLJ482	212VLJ482
1	RETAINER	3	2010585	2010585	2010585
2	FASTENER	3	2010598	2010598	2010598
3	PLUG-LOCK, Thread	3	2010602	2010602	2010602
4	SPRING (Inner)	3	2010605	2010605	2010605
5	SPRING (Outer)	3	2010608	2010608	2010608
6	PLATE-VALVE	3	2010612	2010612	2010612
7	SEAT-VALVE	3	2109454	2109455	2109456

Valve Seat Puller Kit TAC75909 includes (1) TAC75908 Puller Group as shown on page 12, (1) 100E5 Suction Valve Puller Head and (1) 100E6 Discharge Valve Puller Head. Puller Kit is not furnished with pump.

*Selective for Column 10.

Order by Part Number and Description. Reference numbers for your convenience only.



A75301

***DELTRIN DISC FLUID VALVES FOR
H.P. BLOCK ALUMINUM BRONZE CYLINDERS**

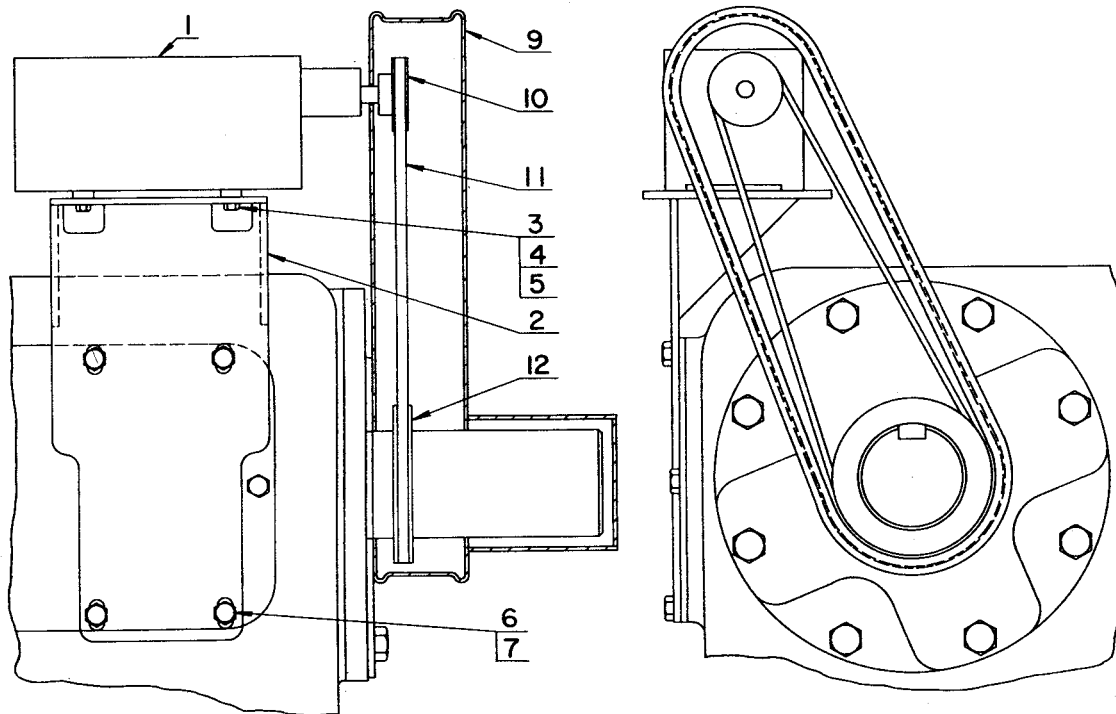
Model TACB ____ B

Ref. No.	Name of Part	Qty. Req. Per Pump	Aluminum Bronze	Stainless Steel	Monel
SUCTION VALVE			Part No.	Part No.	Part No.
	ASM FLUID VALVE, Incl. Ref. No. 1 thru 7	3	200VHB482	201VHB482	202VHB482
1	RETAINER	3	2010594	2010594	2010594
2	FASTENER	3	2010600	2010600	2010600
3	PLUG-LOCK, Thread	3	2010603	2010603	2010603
4	SPRING (Inner)	3	2010606	2010606	2010606
5	SPRING (Outer)	3	None	None	None
6	PLATE-VALVE	3	2010616	2010616	2010616
7	SEAT-VALVE	3	2010656	2010657	2010658
DISCHARGE VALVE					
	ASM FLUID VALVE, Incl. Ref. No. 1 thru 7	3	200VHD482	201VHD482	202VHD482
1	RETAINER	3	2010591	2010591	2010591
2	FASTENER	3	2010600	2010600	2010600
3	PLUG-LOCK, Thread	3	2010603	2010603	2010603
4	SPRING (Inner)	3	2010606	2010606	2010606
5	SPRING (Outer)	3	2010609	2010609	2010609
6	PLATE-VALVE	3	2010615	2010615	2010615
7	SEAT-VALVE	3	2010650	2010651	2010652

Valve Seat Puller Kit TQC75901 includes (1) TQC75900 Puller Group as shown on page 12 and (1) 205TAE219A Asm. Puller. Puller Kit is not furnished with pump.

*Selective for Column 10.

Order by Part Number and Description. Reference numbers for your convenience only.



C74246

Ref. No.	Name of Part	Qty. Req. Per Pump	Models	
			TACA	B
			TACB	B
LUBRICATOR & DRIVE ASSEMBLY				
(Optional Equipment)				
			Part No.	
	LUBRICATOR GROUP, Includes the following items	1	TAC66734	
1	LUBRICATOR	1	40G100	
2	BRACKET-LUBRICATOR	1	200TAC403	
3	SCREW, Lubricator to Bracket	4	75A10	
4	WASHER-PLAIN, Lubricator to Bracket	4	95A2	
5	WASHER-LOCK, Lubricator to Bracket	4	95B2	
6	SCREW, Lubricator to Frame	4	75A1	
7	WASHER-PLAIN, Lubricator to Frame	4	95A3	
9	GUARD, Belt	1	200TAC240	
Ø	SCREW, Guard to Pump	3	75A17	
Ø	WASHER, Guard to Pump	3	95A7	
10	SHEAVE, Lubricator	1	73A628	
11	BELT	1	13C206	
12	ASM SHEAVE	1	PW1342A	
Ø	TUBE, Lubricator to Stuffing Box	1	85D4A1600	
Ø	VALVE-CHECK	3	90J111	
Ø	ELBOW-TUBE, 90°	6	86A25	
Ø	NIPPLE-PIPE	3	63C1	
Ø	COUPLING-PIPE	3	64BK1	

Ø Not shown on illustration.

Name of Part	Qty. Req. Per Pump	Model TACA ____ B	Model TACB ____ B
OPTIONAL EQUIPMENT		Part No.	Part No.
VALVE SEAT PULLER – DELRIN DISC TYPE			
PULLER GROUP (Includes following items)	1	TAC75908	TQC75900
PLATE-PULLER	1	200TAC340	200TQC340
WASHER	1	200TAE244	200TAE244
WEDGE	1	200TAE091	200TAE091
ROD	1	200TEE193	200TAE193
NUT	1	200TAE086	200TAE086
WASHER-PLAIN	1	95U14	95U14
VALVE SEAT PULLER – WING GUIDED TYPE			
PULLER GROUP (Includes following items)	1	TAC75911	TQC75902
PLATE-PULLER	1	200TAC340	200TQC340
WASHER	1	200TAE244	200TAE244
WEDGE	1	200TAE091	200TAE091
ROD 1-1/2" 6 UNC	1	200TAE193	200TAE193
ROD 1" - 8 UNC	1	None	200TEE193
NUT	1	200TAE086	200TAE086
WASHER-PLAIN	1	95U14	95U14
ASM SURGE CHAMBER (Incl. next 3 items)	1	1PG44A	1PG44A
ELBOW-PIPE	1	64C14	64C14
NIPPLE-PIPE	2	63M2	63M2
BUSHING-PIPE	1	64E33	64E33
PLATE-INSPECTION, STUFFING BOX	1	2007502	2007502
STUD, INSPECTION PLATE	2	79A466	79A466
NUT, INSPECTION PLATE STUD	2	50H1	50H1
WRENCH, Suction Valve Cage	1	16AUX206	16AUX206
WRENCH, Discharge Valve Cage	1	18AUX206	20AUX206

Gardner Denver

Manufactured By:
Gardner Denver Mach
1800 Gardner Express
Quincy, IL 62301

For additional information contact your local representative or
Gardner Denver Customer Service
1800 Gardner Expressway, Quincy, Illinois 62301
Telephone: (800) 682-9868 FAX: (217) 224-7814

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