GARDNER DENVER®

15-519
2nd Edition
JULY 2014

SINGLE ACTING TRIPLEX PUMP

MODEL

PZ-2400
(PZY)

14” STROKE

PARTS LIST

Gardner Denver

ECN 1084404

MAINTAIN PUMP RELIABILITY AND PERFORMANCE WITH GENUINE GARDNER DENVER® PARTS AND SUPPORT SERVICES

Gardner Denver® genuine pump parts are manufactured to design tolerances and are developed for optimum dependability. Design and material innovations are the result of years of experience with hundreds of different pump applications. Reliability in materials and quality assurance are incorporated in our genuine replacement parts.

Your authorized Gardner Denver distributor offers all the backup you'll need. A worldwide network of authorized distributors provides the finest product support in the pump industry. Your local authorized distributor maintains a large inventory of genuine parts and he is backed up for emergency parts issues with access to Oklahoma City, OK. and the factory in Quincy, IL.

Your authorized distributor can support all your Gardner Denver pump needs.

Trained parts specialists are available to assist you in selecting the correct replacement parts.

ALL ORDERS for PARTS should be placed with the NEAREST Authorized Distributor.

To find your nearest distributor you may use one of the following choices:
* Log onto the Gardner Denver web site: www.gardnerdenver.com
* Send an E-Mail request to: pumps@gardnerdenver.com
* Contact one of our sales offices listed below.

The Gardner Denver Sales Offices are located as follows:

DOMESTIC

Gardner Denver
2200 South Prospect
Oklahoma City, OK. 73129

Phone: (405) 677-5736

Fax: (405) 677-5807

INTERNATIONAL

Gardner Denver
1800 Gardner Expressway
Quincy, IL 62305

Phone: (217) 222-5400

Fax: (217) 223-1581

INSTRUCTIONS FOR ORDERING REPAIR PARTS:

When ordering parts, specify Pump MODEL and SERIAL NUMBER (see nameplate on unit).
The Serial Number is also stamped on top of the frame at the connecting end.
(Between the cradle opening and the fluid cylinder)

SPECIFY THE NUMBER OF PARTS REQUIRED, EXACTLY.

DO NOT ORDER BY SETS OR GROUPS.

To determine the Right Hand and Left-Hand side of a pump, stand at the power end and look toward the fluid end. Right Hand and Left Hand are indicated in parenthesis following the part name, i.e. (RH) and (LH), when appropriate.

For Operating and Service Instructions see:

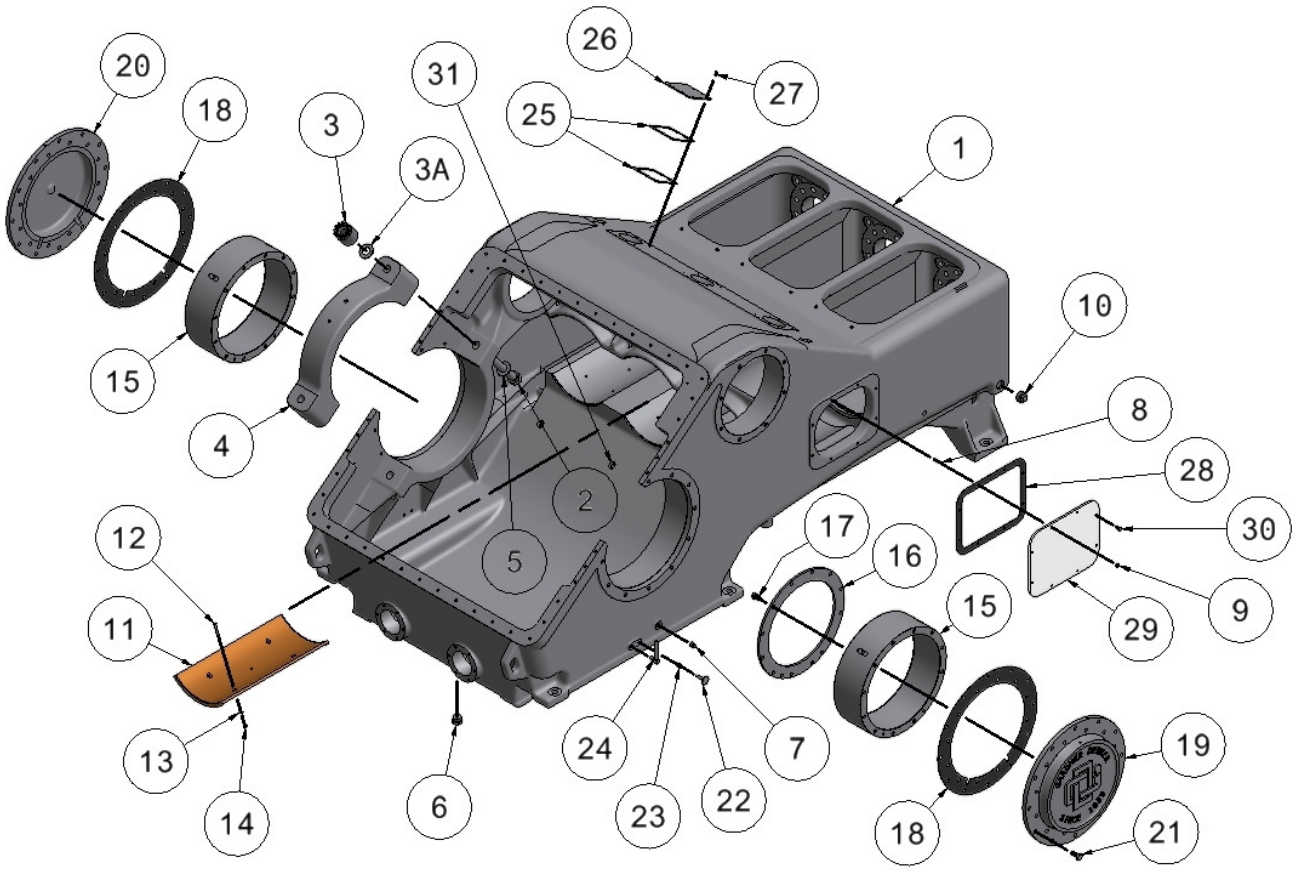
SERVICE MANUAL 15-610

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

FRAME & HARDWARE



Ref Drawing – 327PZY810

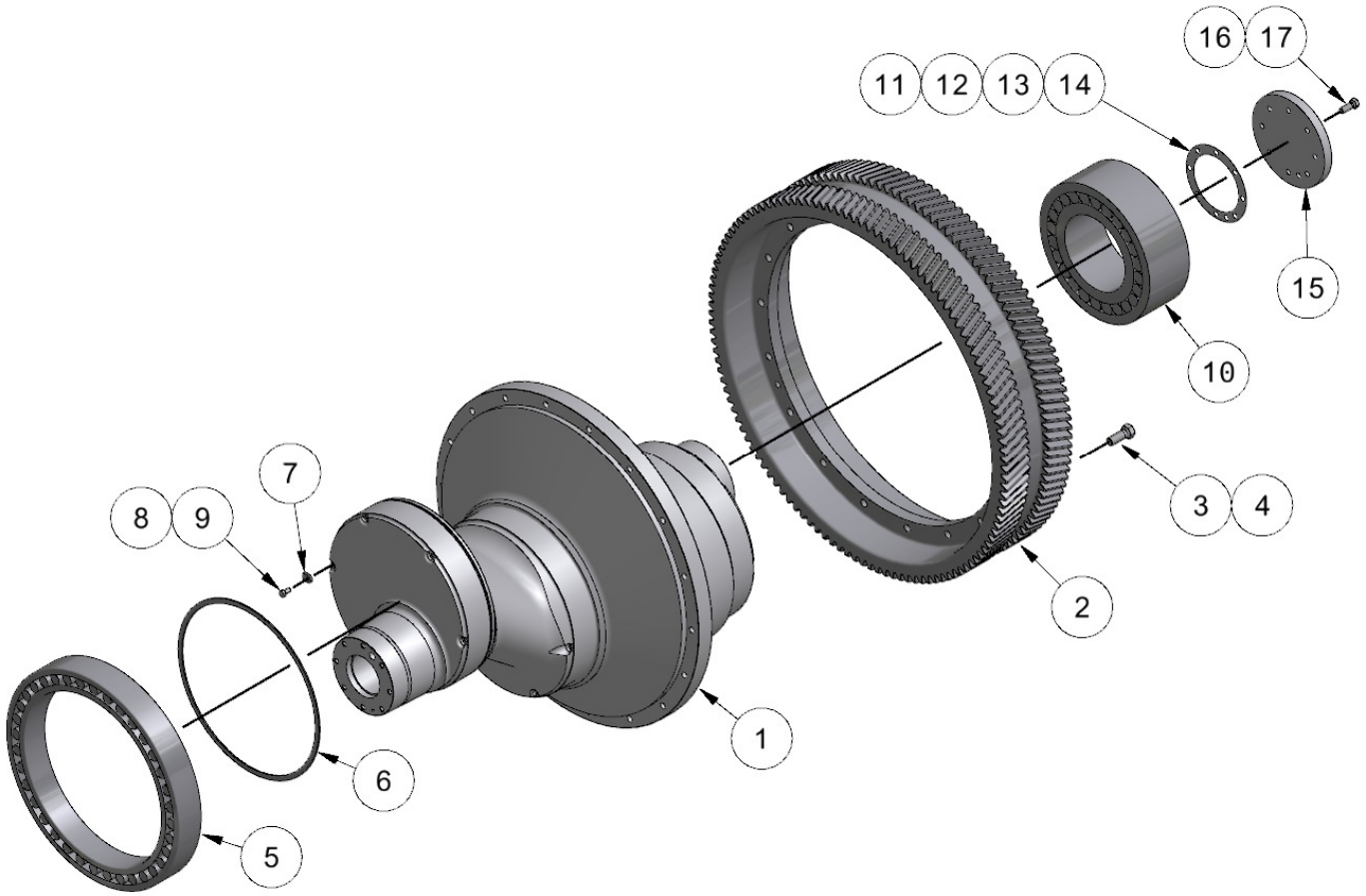
FOR LIST OF PARTS SEE PAGE 2

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

FRAME & HARDWARE

Ref. No.	Name of Part	Qty.	Part No.
1	FRAME, Includes the next 4 items	1	300PZY001
2	SCREW, Frame Saddle	4	300PZY655
3	NUT, Frame Saddle (Includes item 3A)	4	300PZY086
3A	WASHER, Saddle nut	4	301PZY244
4	SADDLE, Frame	2	300PZY119
5	WASHER, Frame Saddle	4	300PZY244
6	PLUG, Magnetic	3	66D13
7	PLUG, Iron	1	64A5G
8	STUD, Crosshead Inspection Cover	4	79A238Z
9	NUT, Crosshead Inspection Cover	4	50B5Z
10	PLUG, Steel (Mounted on the left hand side)	1	64AA9G
11	CROSSHEAD SLIDE	6	300PZY309
12	SCREW, Flat Socket Head	24	75LM89
13	SEAL, Thread	12	60DD35
14	NUT, Locking	24	50V44
15	BEARING HOUSING, Eccentric Bearing	2	201PZL006
16	BEARING RETAINER PLATE, Main Bearing to Housing	1	202PZL253
17	SCREW, Hex Cap	12	75A237
18	GASKET, Eccentric Bearing Cover	2	202PZL715N
19	BEARING COVER PLATE, Eccentric (Rigid Side)	1	300PZY315
20	BEARING COVER PLATE, Eccentric (Floating Side)	1	301PZY315
21	SCREW, Hex Cap	48	75A52Z
22	GAUGE	1	27H11
23	PIPE BUSHING	1	64E2
24	GAUGE, Oil Level	1	40L17
25	GASKET, Hand Hole	6	25C1839
26	INSPECTION PLATE, Hand Hole	3	304PZY052
27	SCREW, Hex Cap	24	655ED040Z
28	GASKET, Crosshead Inspection Plate	2	200PZL715
29	INSPECTION PLATE, Crosshead (Lexan)	2	303PZL052
	INSPECTION PLATE, Crosshead (Cast Steel)	2	300PZY052
30	SCREW, Hex Cap (Use with Lexan Cover)	12	655EE040Z
	SCREW, Hex Cap (Use with Cast Steel Cover)	12	655EE050Z
31	PLUG (Center hole)	1	64A27G

ECCENTRIC ASSEMBLY



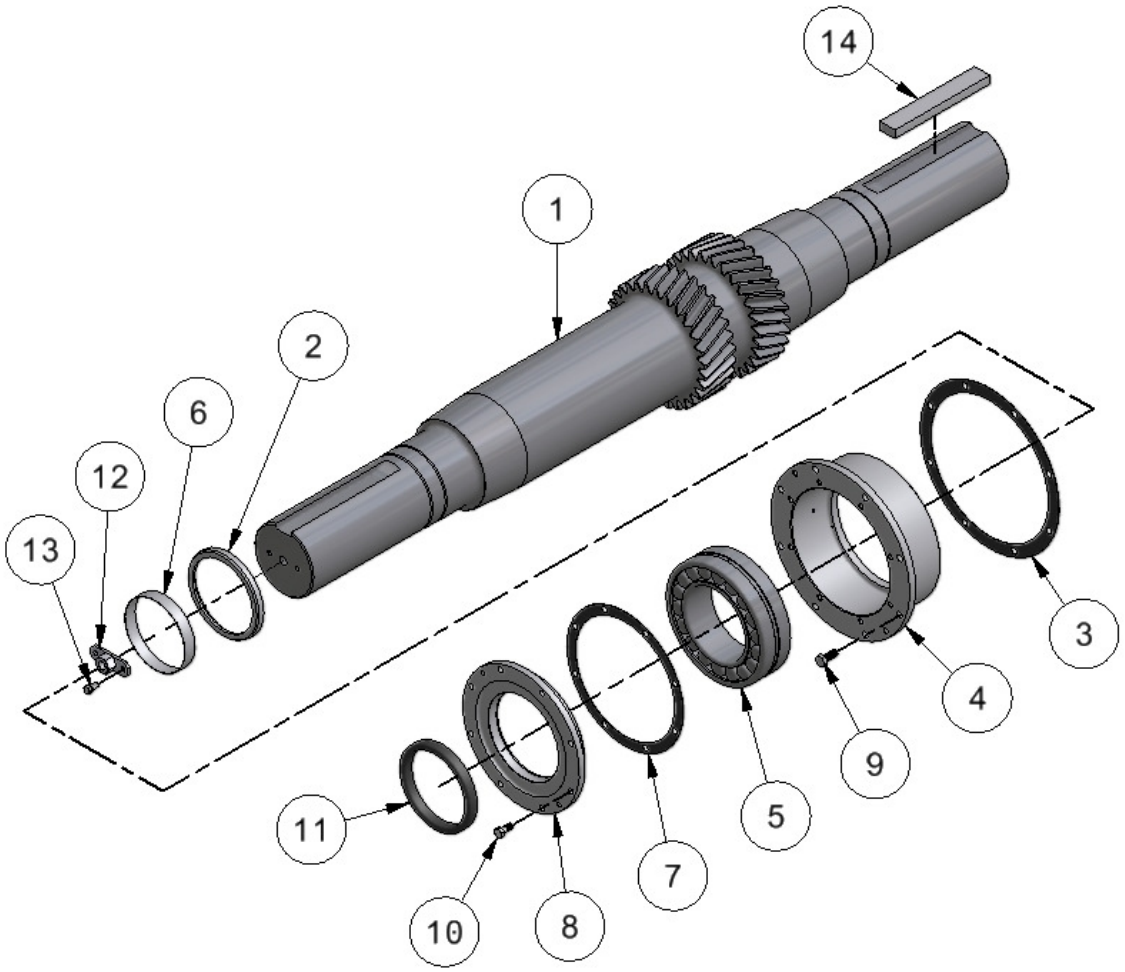
Ref Drawing – 329PZY810

FOR LIST OF PARTS SEE PAGE 4

ECCENTRIC ASSEMBLY

Ref. No.	Name of Part	Qty.	Part No.
1	ECCENTRIC	1	300PZY255
2	BULL GEAR	1	300PZY280
3	SCREW, Hex Cap	18	200PZL655
4	WIRE	18 FT	97A29
5	ROLLER BEARING, Connecting Rod	3	301PZY1466
6	RETAINING RING, Connecting Rod Bearing (Eccentric)	1	65U50
7	BEARING RETAINER PLATE, Eccentric	14	1PZ1400
8	SCREW, Drilled Head	14	655EF05D
9	WIRE	56 FT	97A29
10	BEARING, Eccentric	2	12BA4
11	SHIM, (.002 Thick)	6	201PZL732
12	SHIM, (.005 Thick)	6	202PZL732
13	SHIM, (.007 Thick)	6	203PZL732
14	SHIM, (.020 Thick)	8	204PZL732
15	RETAINER PLATE, Eccentric Bearing	2	200PZL168
16	SCREW, Drilled Head	16	75B148
17	WIRE	12 FT	97A29

JACKSHAFT ASSEMBLY

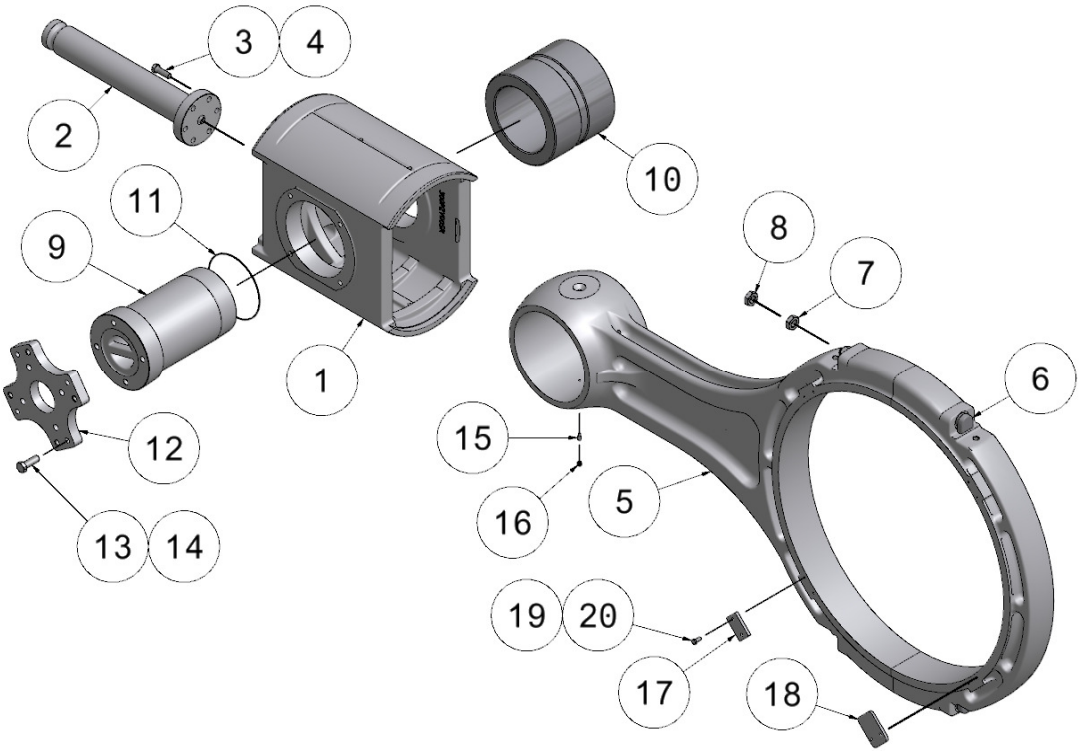


Ref Drawing – 328PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	JACKSHAFT	1	300PZY371
2	SHAFT SPACER	2	300PZY600
3	GASKET, Jackshaft Bearing Housing	2	25BC901
4	BEARING HOUSING, Jackshaft	2	300PZY006
5	ROLLER BEARING, jackshaft	2	300PZY1466
6	WEAR SLEEVE, Jackshaft	2	80M42
7	GASKET, Jackshaft Bearing Retainer	2	25BC902
8	BEARING RETAINER PLATE, Jackshaft	2	300PZY253
9	SCREW, Hex Cap	16	75A52Z
10	SCREW, Hex Cap	16	655EG070Z
11	OIL SEAL, Jackshaft	2	60DD794
12	ADAPTOR (For Manually Rotating the Jackshaft)	1	301PZY170
13	SCREW, Hex Cap	2	655EF050Z
14	KEY, Jackshaft	2	300PZY062

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

CROSSHEAD & CONNECTING ROD



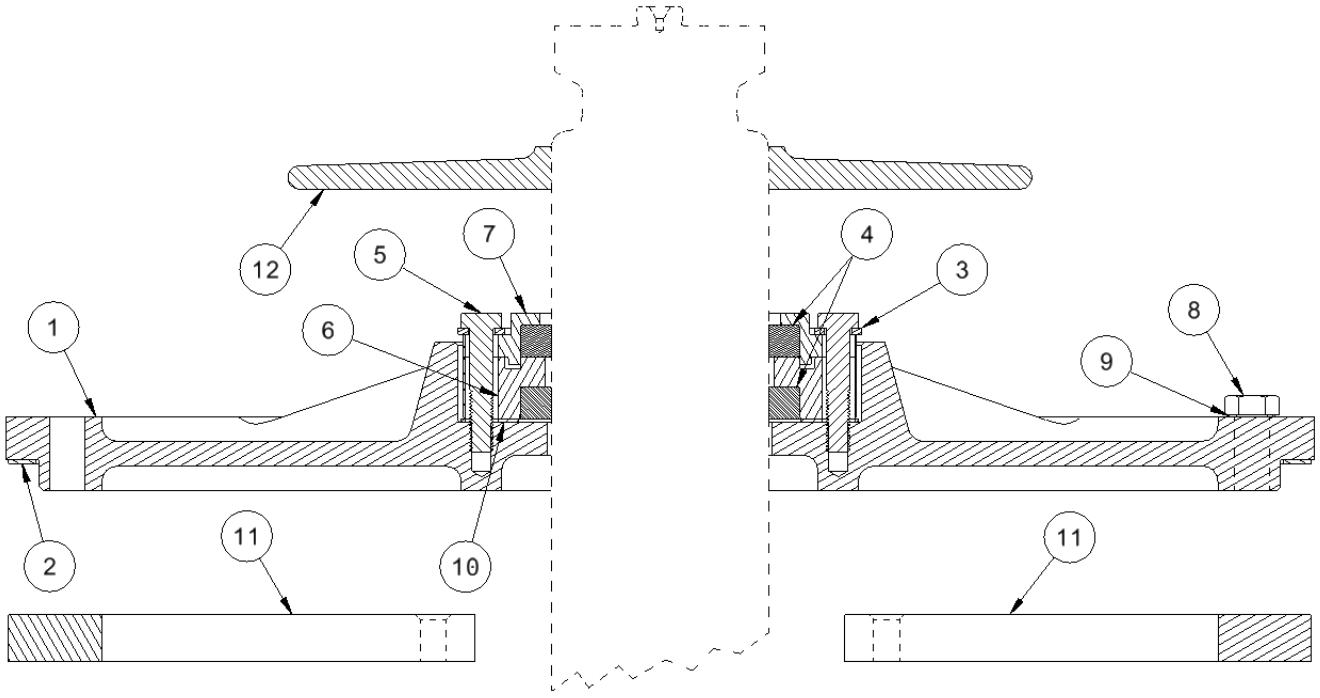
Ref Drawing – 330PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	CROSSHEAD	3	300PZY005
** 2	EXTENSION ROD	3	300PZY839
3	SCREW, Drilled Head	18	PV701
4	WIRE	24 FT	97A29
5	CONNECTING ROD	3	300PZY003
6	BOLT, Connecting Rod	6	300PXL254
7	NUT, Connecting Rod Bolt	6	50B34
8	LOCK NUT, Connecting Rod Bolt	6	50M3
9	CROSSHEAD PIN	3	300PXL189
10	ROLLER BEARING	3	12BA180
11	RETAINING RING, Crosshead Pin	3	200PZL706
12	RETAINER PLATE, Crosshead Pin	3	206PZL168
13	SCREW, Drilled Head	24	75AG17
14	WIRE	2 FT	97A29
15	LOCK PIN	3	PZ838
16	SET SCREW, Cup Point	3	76F10
17	RETAINER PLATE,	22	PZ1400
18	RETAINER PLATE,	2	301PZY253
19	SCREW, Drilled Head	48	75B41
20	WIRE	24 FT	97A29

** NOT REQUIRED WHEN THE P-QUIP “QUICK CHANGE” PISTON ROD IS USED.

OIL STOP HEAD

SELF ADJUSTING

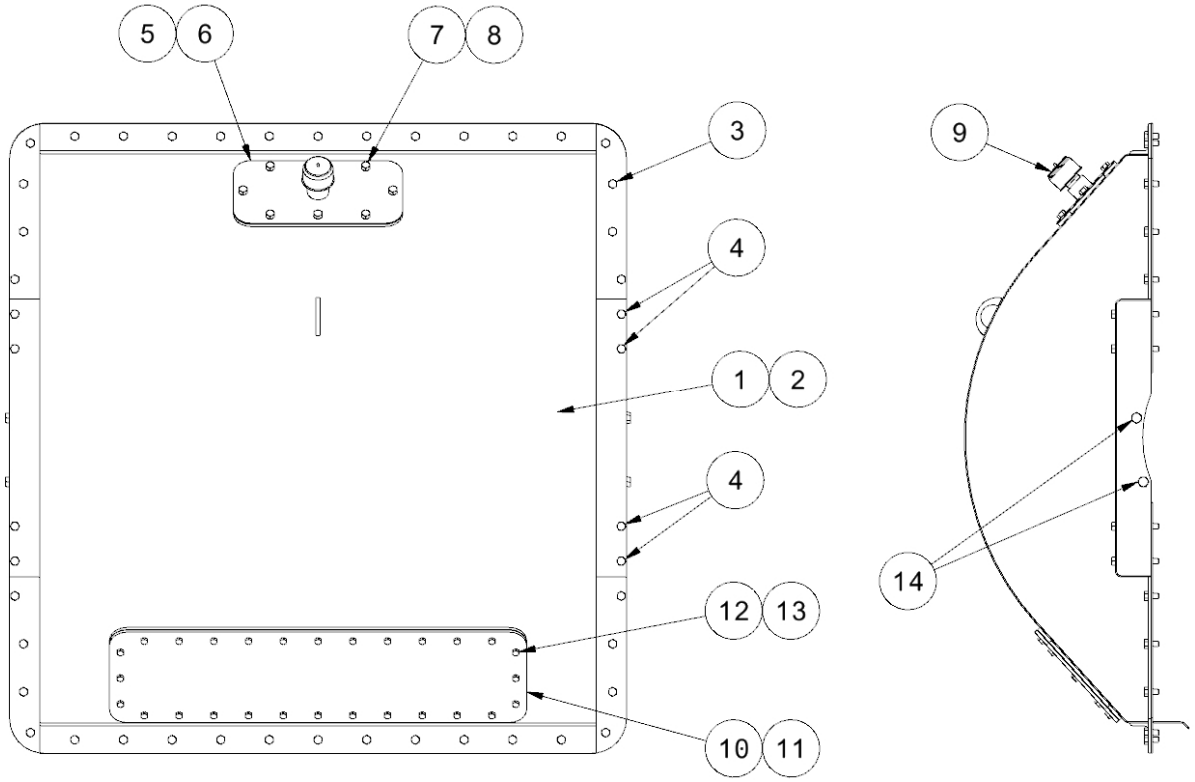


Ref Drawing – 326PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	OIL STOP HEAD	3	300PZY051
2	GASKET, Oil Stop Head	3	25BC903
3	RETAINER PLATE, Oil Stop Head Housing	3	300PZL168
4	SEAL, Oil Stop Head	6	300PZY316
5	SCREW, Stainless Steel	18	655ED08S
6	SEAL HOUSING, Oil Stop Head	3	PP1051039
7	SEAL HOUSING, Oil Stop Head	3	PP1051062
8	SCREW, Hex Cap	24	655EE090Z
9	GASKET, Copper	24	25F9
10	GASKET, Extension Rod Seal Carrier	3	PP1050748
11	RETAINER PLATE, Oil Stop Head Housing To Frame	6	300PZY168
* 12	BAFFLE	3	PZ840
**	TOOL, Oil Stop Head Seal Alignment	1	301PZL074

* NOT REQUIRED WHEN THE P-QUIP “QUICK CHANGE” PISTON ROD IS USED.
** NOT SHOWN

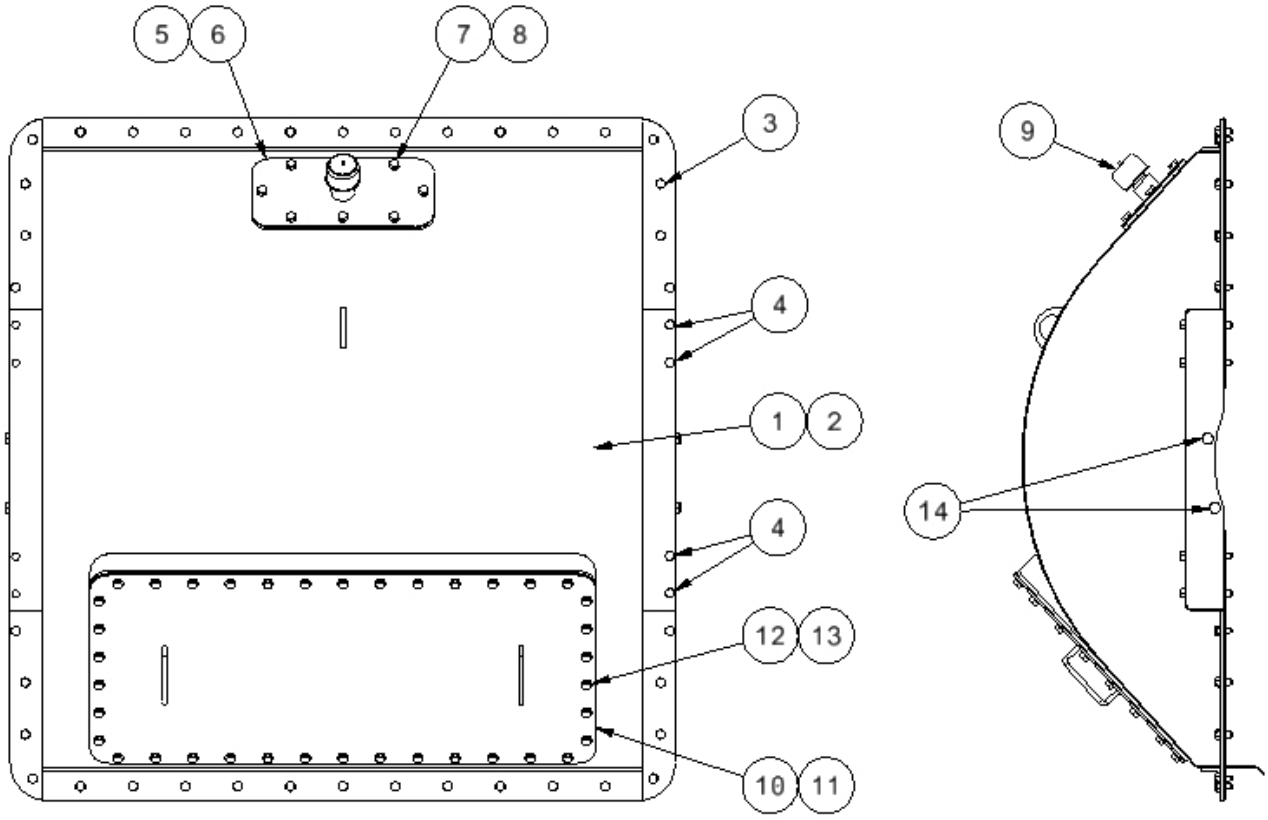
HOOD with SMALL WINDOW - STANDARD



Ref Drawing – 324PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	HOOD, with Standard Inspection Window	1	300PZY053
2	GASKET, Hood to Frame	1	300PZY715
3	SCREW, Hex Cap	48	655EF050Z
4	SCREW, Hex Cap	8	655EF200Z
5	GASKET, Inspection / Oil Fill Cover	1	25C1818
6	INSPECTION PLATE, Oil Fill	1	KXG842ZINC
7	GASKET, Copper	8	25F13
8	SCREW, Hex Cap	8	655EF040Z
9	BREATHER	1	5C24
10	GASKET	1	301PZY715
11	INSPECTION PLATE (Lexan)	1	301PZY052
12	SCREW, Hex Cap	28	655EE04Z
13	WASHER	28	95A5Z
14	SCREW, Hex Cap	4	655EG070Z

HOOD with LARGE WINDOW

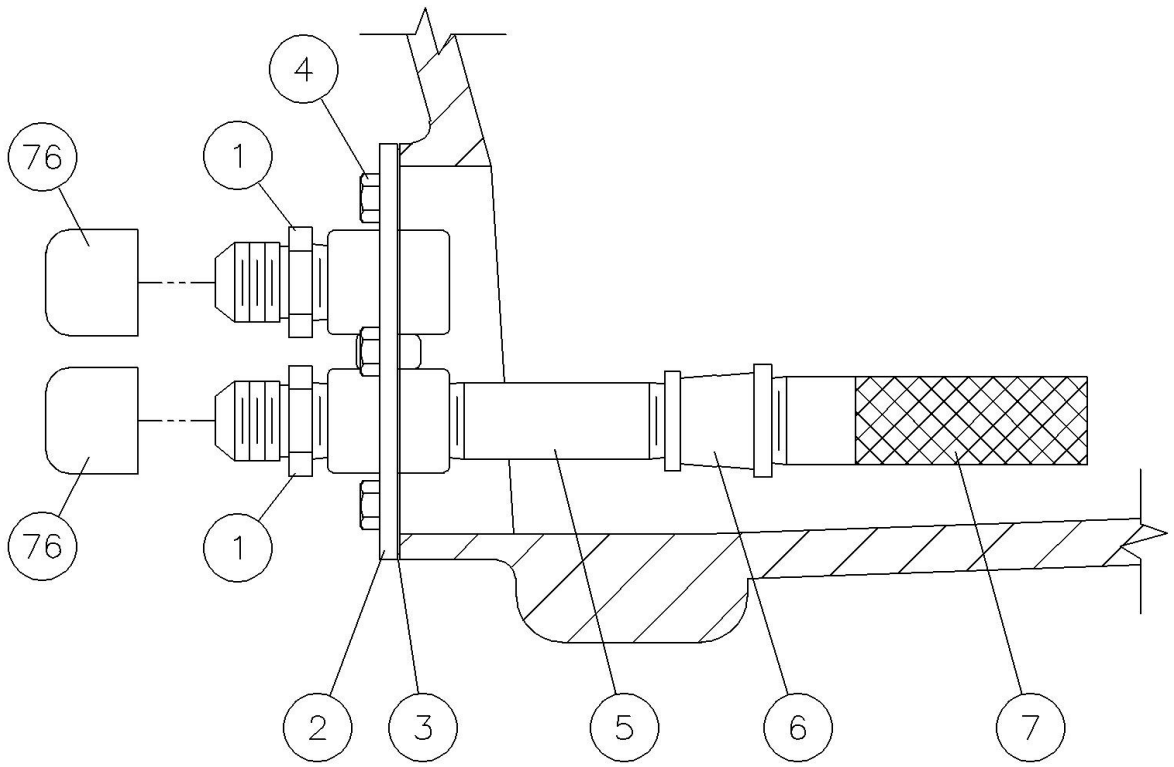


Ref Drawing – 325PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	HOOD, with Large Inspection Window	1	301PZY053
2	GASKET, Hood to Frame	1	300PZY715
3	SCREW, Hex Cap	48	655EF050Z
4	SCREW, Hex Cap	8	655EF200Z
5	GASKET, Inspection / Oil Fill Cover	1	25C1818
6	INSPECTION PLATE, Oil Fill	1	KXG842ZINC
7	GASKET, Copper	8	25F13
8	SCREW, Hex Cap	8	655EF040Z
9	BREATHER	1	5C24
10	GASKET	1	302PZY715
11	INSPECTION PLATE,	1	303PZY052
12	SCREW, Hex Cap	38	655EE040Z
13	WASHER	38	95A5Z
14	SCREW, Hex Cap	4	655EG070Z

SUMP LUBRICATION PIPING

OIL SCREEN

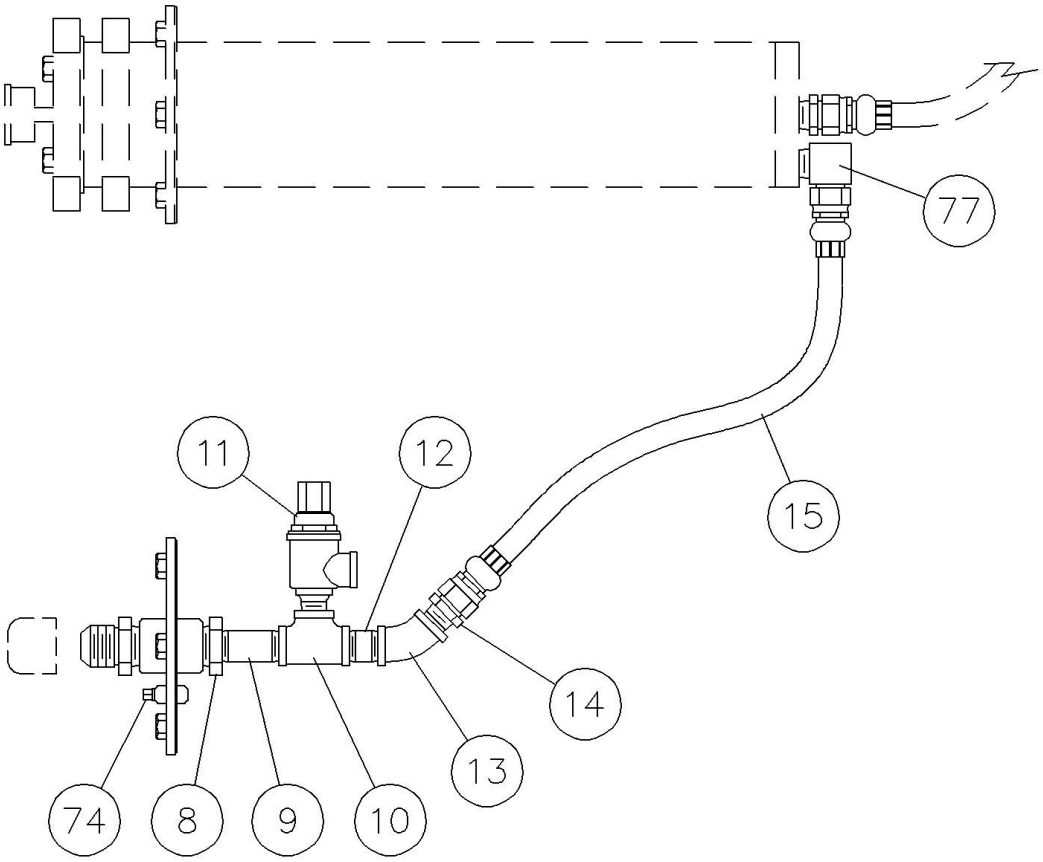


Ref Drawing – 301PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	ADAPTOR, Hose	2	5826564
2	INSPECTION PLATE, Oil In / Oil Out	1	305PZY052
3	GASKET, Inspection Plate	1	25C1788N
4	SCREW, Hex Cap (Zinc)	6	655EF050Z
5	PIPE NIPPLE	1	63U20X60
6	PIPE REDUCER, Iron	1	64EB411
7	OIL SCREEN	1	3WAJ511
76	ACORN NUT	2	154987

SUMP LUBRICATION PIPING

OIL PRESSURE RELIEF VALVE

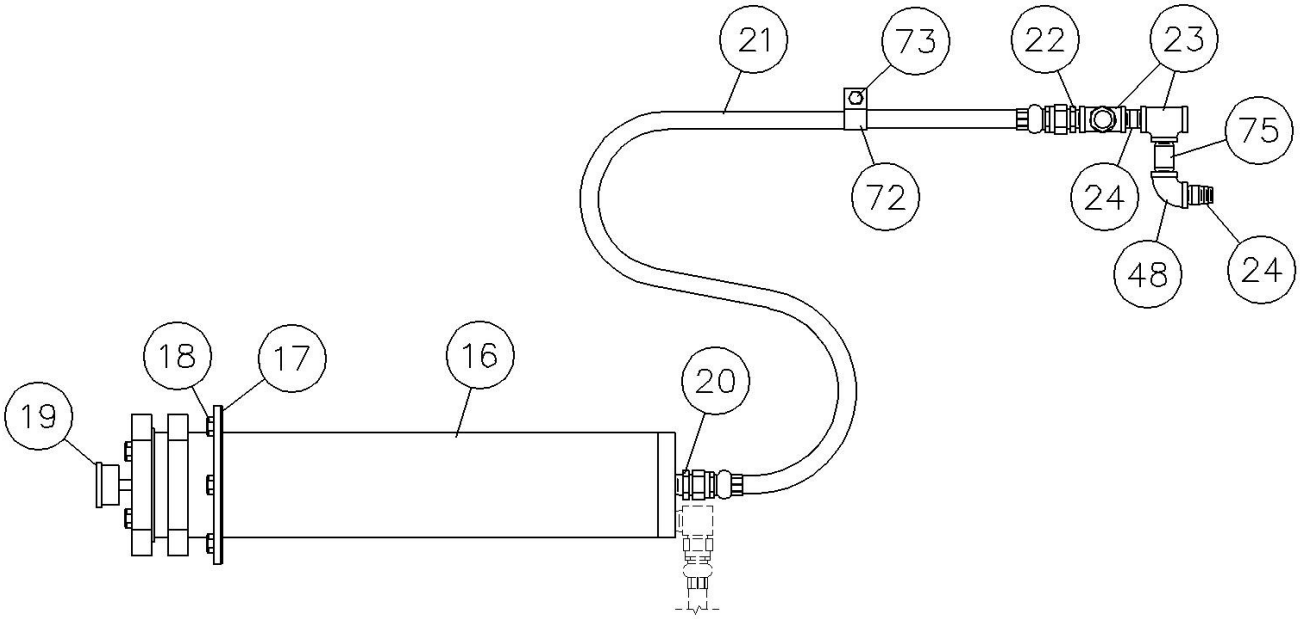


Ref Drawing – 302PZY810

Ref. No.	Name of Part	Qty.	Part No.
8	PIPE BUSHING	1	64E7
9	PIPE NIPPLE	1	63H4
10	TEE, Iron	1	144180
11	PRESSURE RELIEF VALVE	1	90Q75
12	PIPE NIPPLE	1	63H2
13	ELBOW, (45°)	1	64V6
14	ADAPTOR, Hose (Straight)	1	86H169
15	HOSE ASSEMBLY	1	300PZY127
74	PIPE PLUG, Steel	1	64AA5
77	ADAPTOR, Hose (90°)	1	5010031

SUMP LUBRICATION PIPING

OIL FILTER

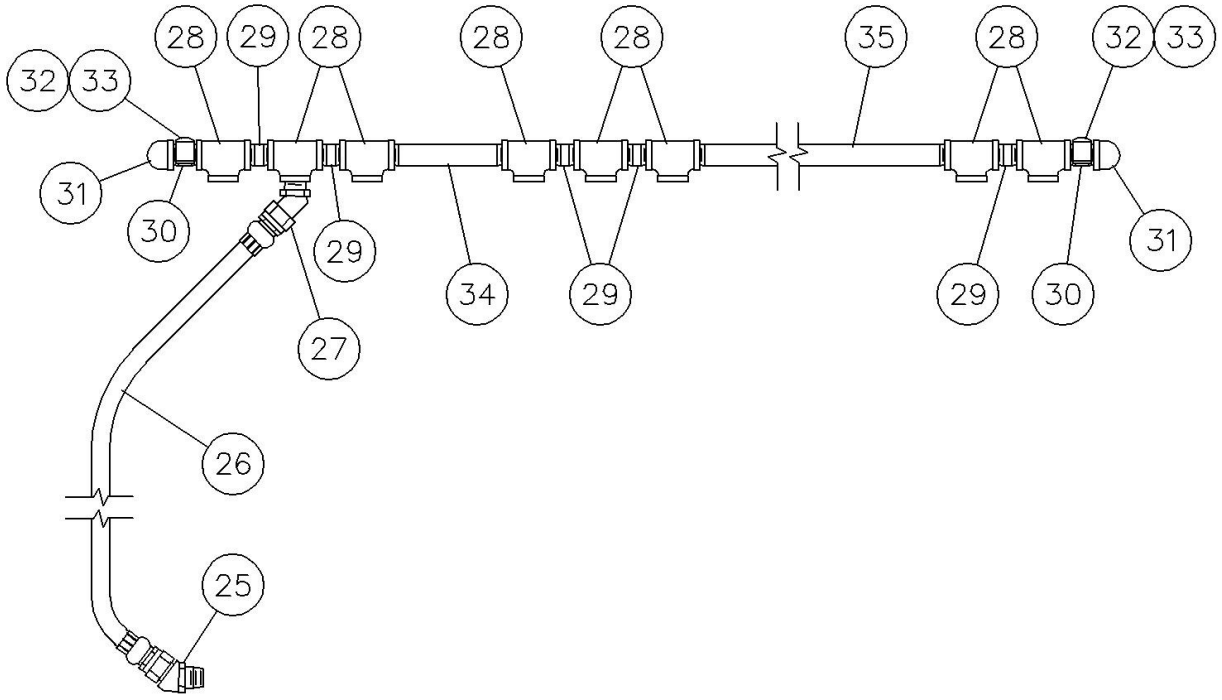


Ref Drawing – 302PZY810

Ref. No.	Name of Part	Qty.	Part No.
16	OIL FILTER (See page 34 for Element and Misc Parts)	1	26C54ZINC
17	GASKET, Oil Filter	1	25C1788N
18	SCREW, Hex Cap (Zinc)	6	655EF050Z
19	GAUGE, Pressure	1	2009742
20	ADAPTOR, Hose	1	29Z214
21	HOSE ASSEMBLY	1	1005T01
22	ADAPTOR, Hose	1	119333
23	TEE, Iron	2	64G18
24	PIPE NIPPLE	2	63U12X30
48	ELBOW, Iron	1	64C18
72	CLAMP	3	PZ1301
73	SCREW, Flanged Head	3	75LM150
75	PIPE NIPPLE	1	63G4

SUMP LUBRICATION PIPING

TOP MANIFOLD

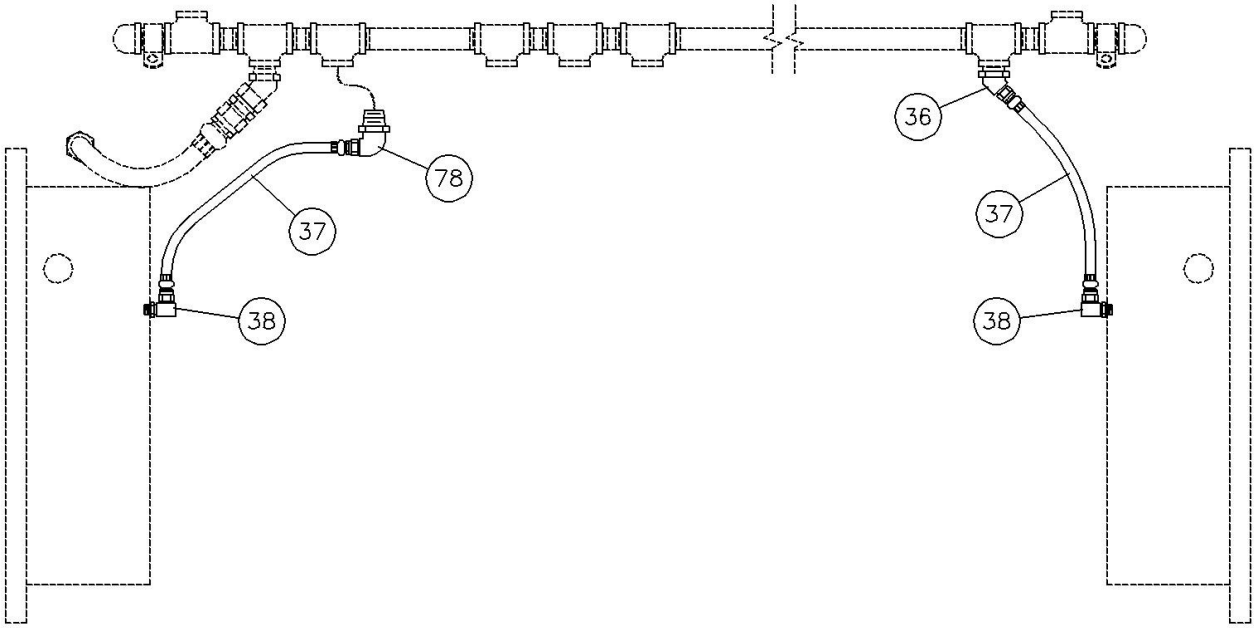


Ref Drawing – 307PZY810

Ref. No.	Name of Part	Qty.	Part No.
25	ADAPTOR, 45°	1	29Z226
26	HOSE ASSEMBLY	1	1034T27
27	ADAPTOR, 45°	1	29Z226
28	TEE, Iron	8	64G18
29	PIPE NIPPLE	5	63U12X14
30	PIPE NIPPLE	2	63U12X20
31	PIPE CAP, Iron	2	64AD5
32	CLAMP	2	300PZY654
33	SCREW, Flanged Head	2	75LM150
34	PIPE NIPPLE	1	63U12X64
35	PIPE NIPPLE	1	63U12X284

SUMP LUBRICATION PIPING

JACKSHAFT BEARINGS

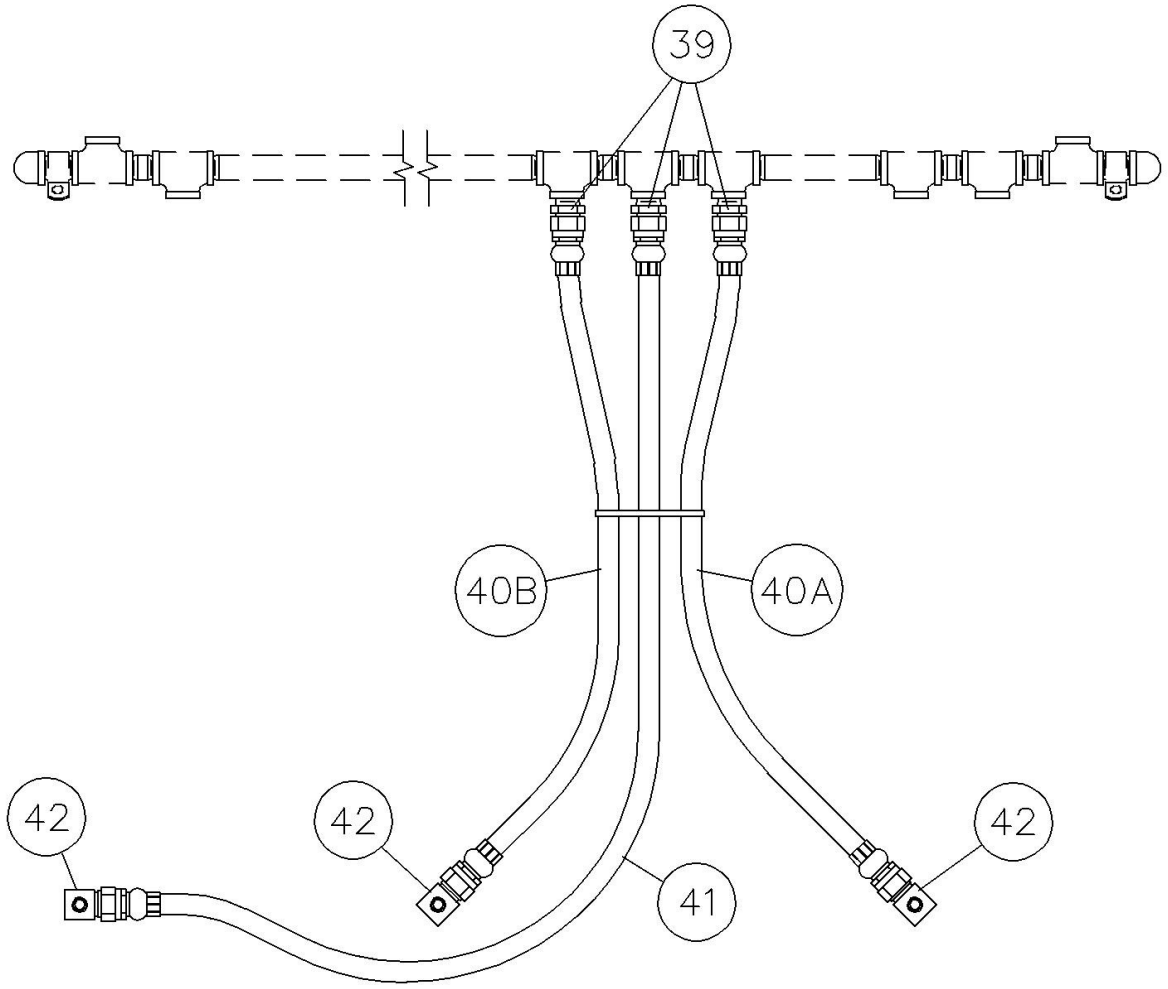


Ref Drawing – 308PZY810

Ref. No.	Name of Part	Qty.	Part No.
36	ADAPTOR, 45°	1	29Z201
37	HOSE ASSEMBLY	2	1002T71
38	ADAPTOR, 90°	2	125646
78	ADAPTOR, 90°	1	150859

SUMP LUBRICATION PIPING

CROSSHEAD HOSES – TOP

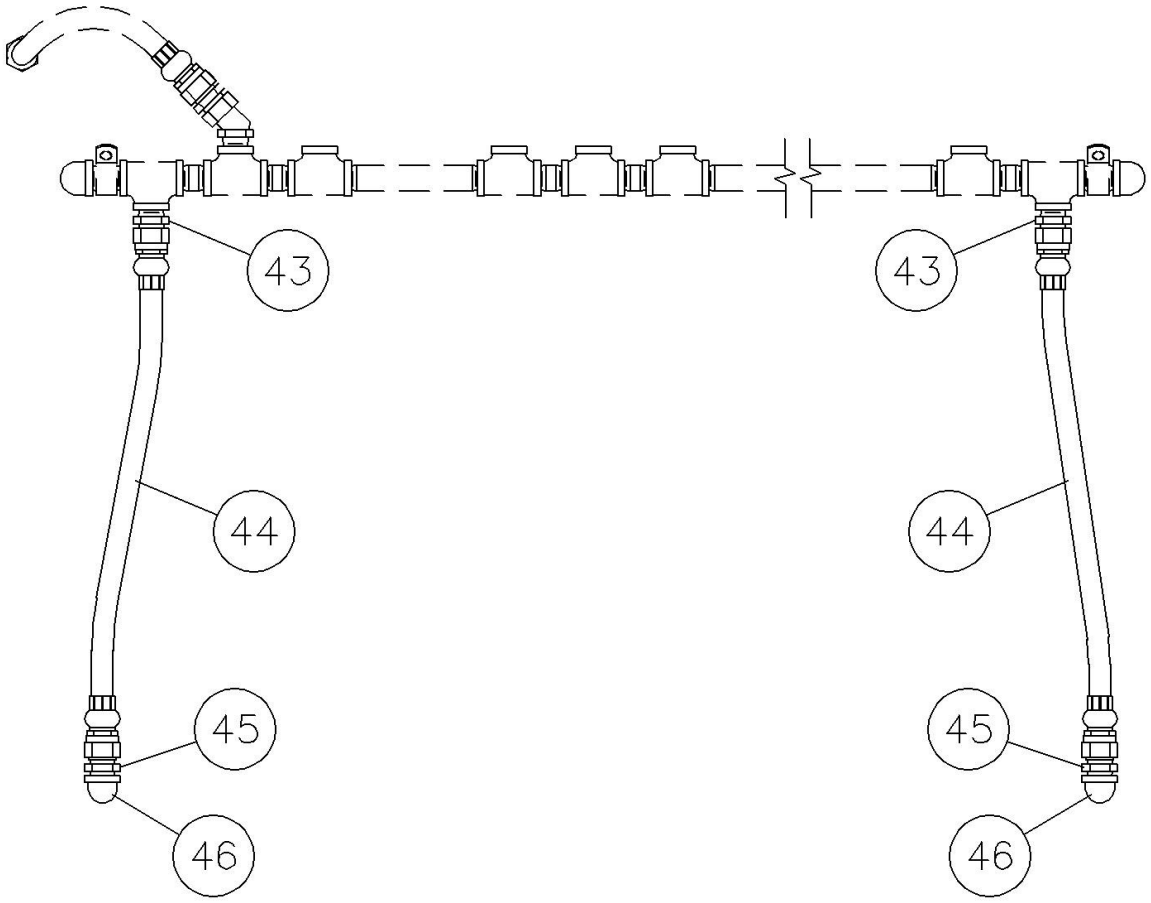


Ref Drawing – 309PZY810

Ref. No.	Name of Part	Qty.	Part No.
39	ADAPTOR, 90°	3	150859
40A	HOSE ASSEMBLY	1	30034206
40B	HOSE ASSEMBLY	1	1032T06
41	HOSE ASSEMBLY	1	30034205
42	ADAPTOR, 90°	3	119437

SUMP LUBRICATION PIPING

SADDLE HOSES

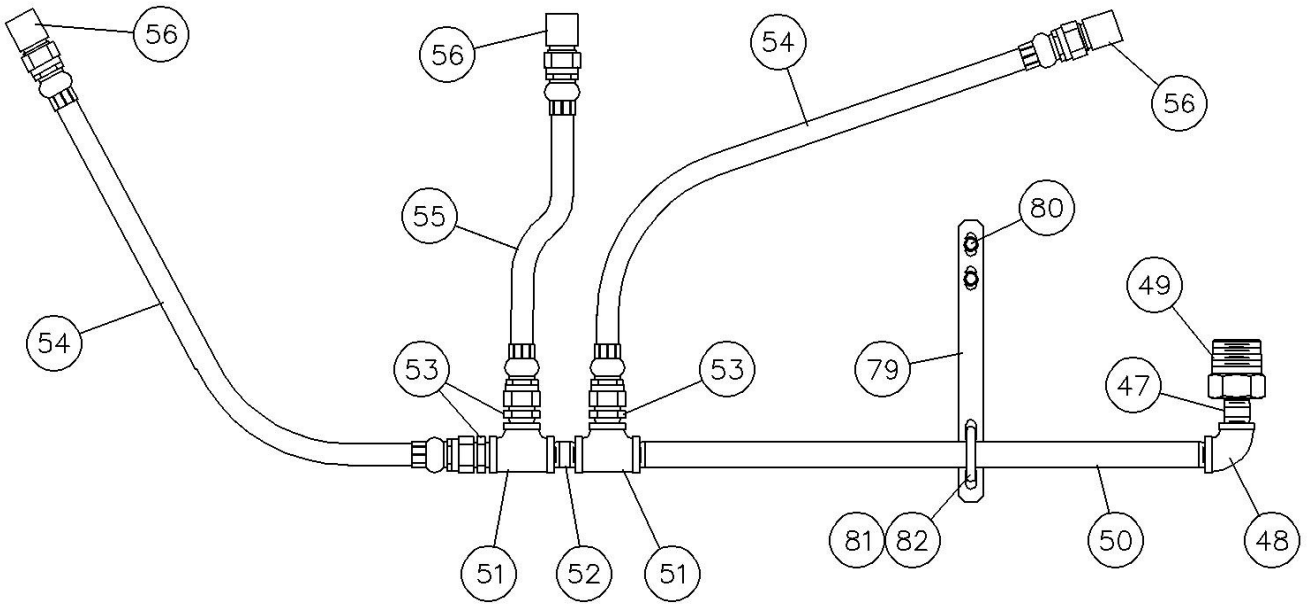


Ref Drawing – 310PZY810

Ref. No.	Name of Part	Qty.	Part No.
43	ADAPTOR, Hose	2	29Z213
44	HOSE ASSEMBLY	2	1032T34
45	ADAPTOR, Hose	2	29Z211
46	ELBOW, 90° Street	2	64D39

SUMP LUBRICATION PIPING

CROSSHEAD HOSES – BOTTOM

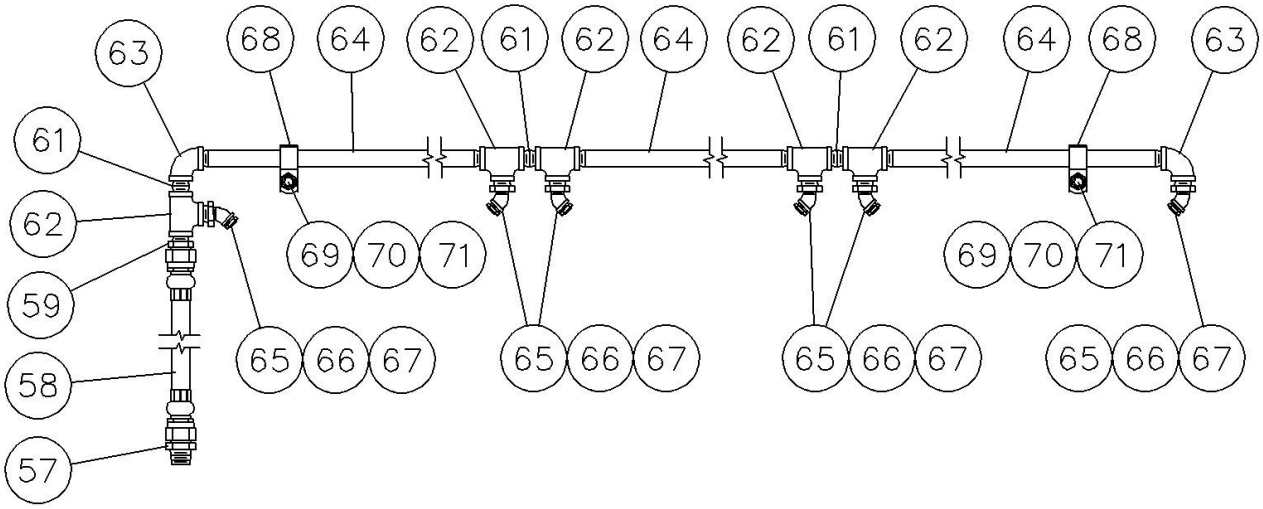


Ref Drawing – 311PZY810

Ref. No.	Name of Part	Qty.	Part No.
47	PIPE NIPPLE	1	63U12X20
48	ELBOW, Iron	1	64C18
49	PIPE CONNECTOR	1	300PZY1170
50	PIPE NIPPLE	1	63U12X240
51	TEE, Iron	2	64G18
52	PIPE NIPPLE	1	63U12X20
53	ADAPTOR, 90°	3	150859
54	HOSE ASSEMBLY	2	1032T34
55	HOSE ASSEMBLY	1	1002T87
56	ADAPTOR, 90°	3	119437
79	BRACKET	1	303PZY017
80	SCREW	2	75LM51
81	U-BOLT	1	15U103
82	NUT	2	50AW3

SUMP LUBRICATION PIPING

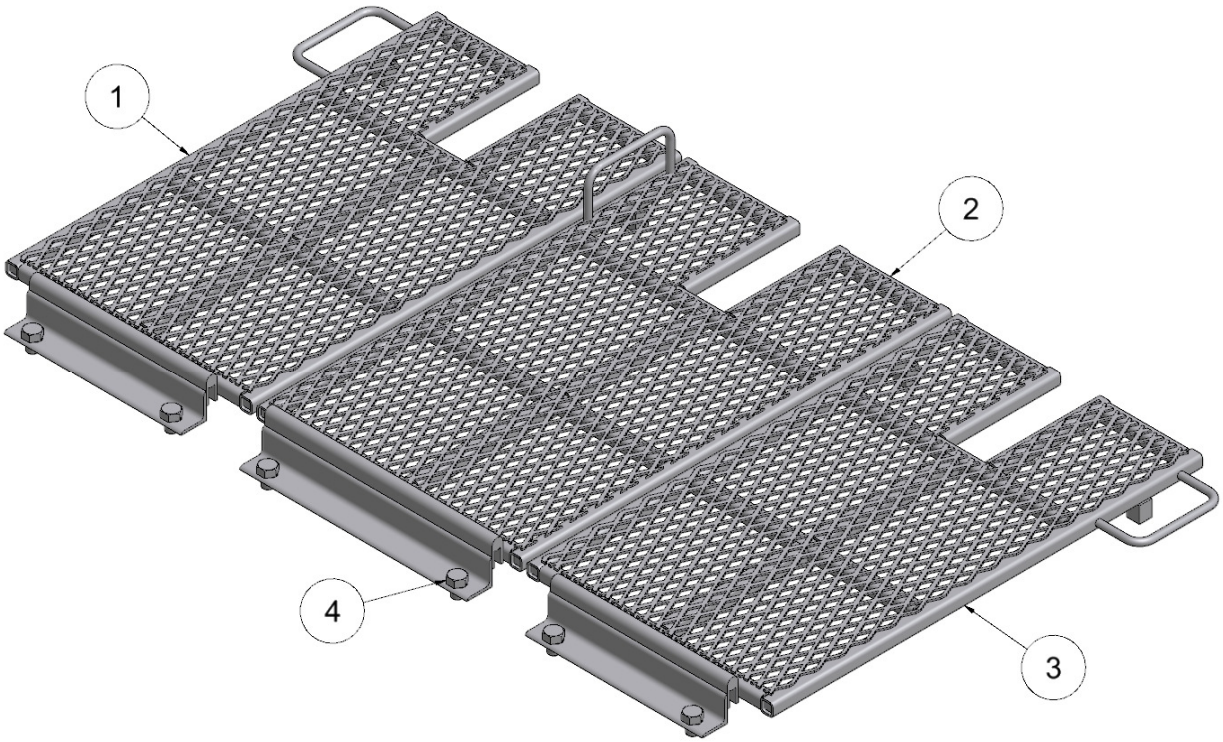
FRONT SPRAY MANIFOLD



Ref Drawing – 312PZY810

Ref. No.	Name of Part	Qty.	Part No.
57	ADAPTOR, Hose	1	29Z221
58	HOSE ASSEMBLY	1	30034409
59	ADAPTOR, Hose	1	119331
61	PIPE NIPPLE	3	63F21
62	TEE, Iron	5	64G6
63	ELBOW, 90°	2	64C4
64	PIPE NIPPLE	3	63N8X180
65	PIPE BUSHING, Iron	6	64E23
66	ELBOW, 45° Street	6	64X1
67	NOZZLE	6	2009982
68	CLAMP	2	200PZL654
69	STUD, Clamp	2	79H1
70	NUT, Clamp	2	50B5
71	NUT, Locking	2	50V44

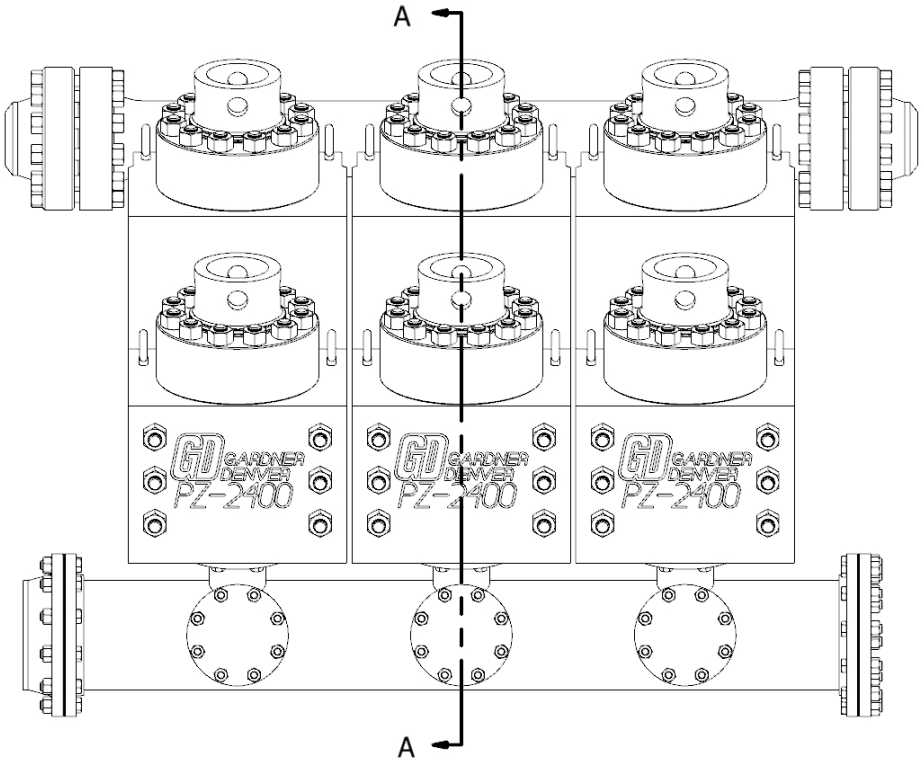
CRADLE COVERS



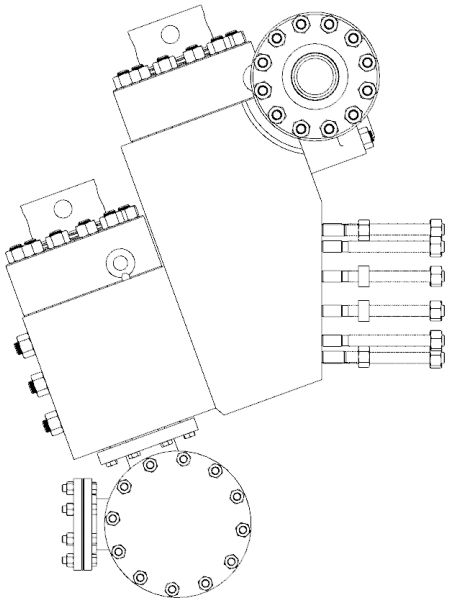
Ref Drawing – 322PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	COVER, Left Hand Side	1	300PZY2028
2	COVER, Center	1	301PZY2028
3	COVER, Right Hand Side	1	302PZY2028
4	SCREW, Hex Cap	6	655EG040Z

FLUID CYLINDER - STANDARD



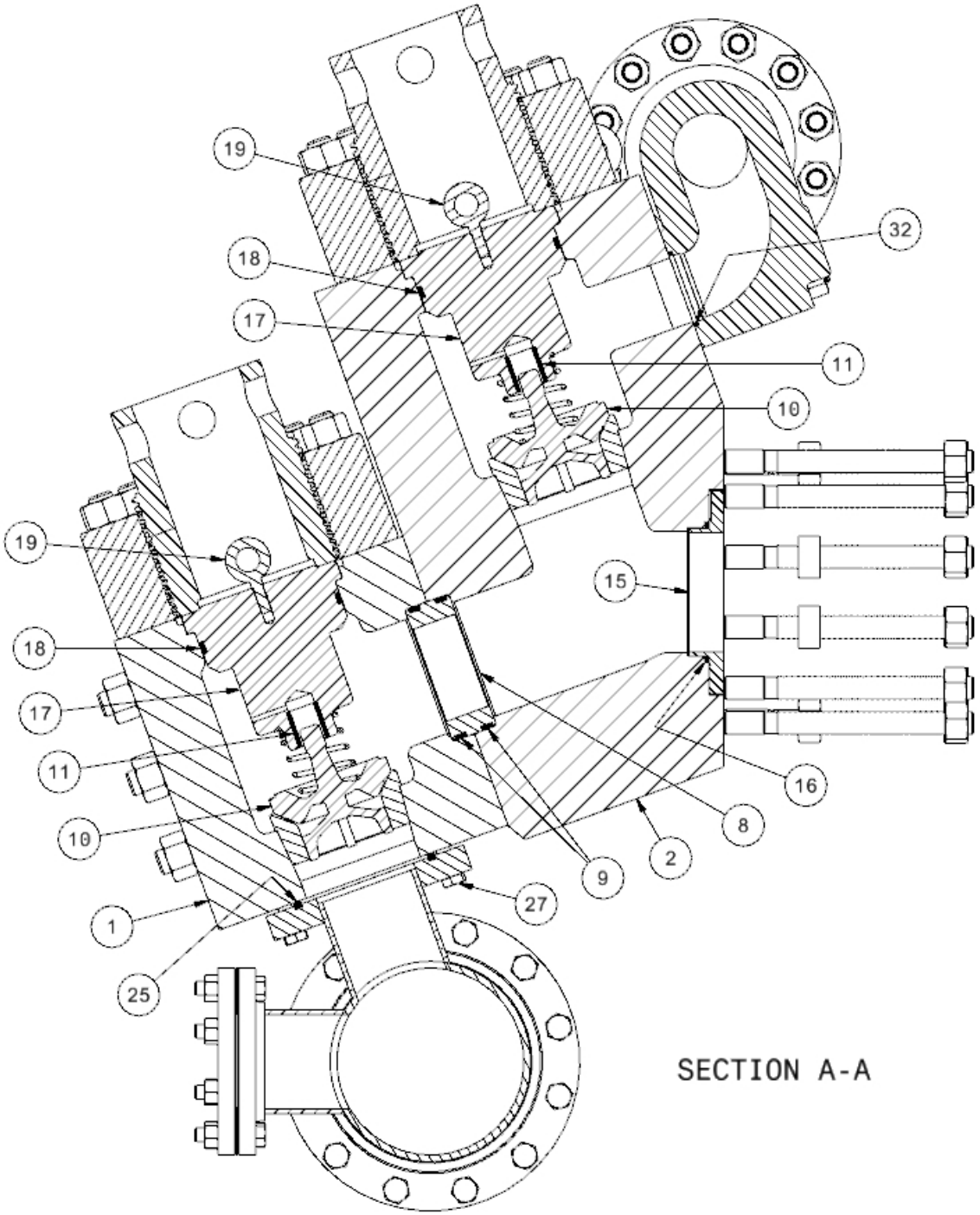
FRONT VIEW



SIDE VIEW

Ref Drawing – 313PZY810

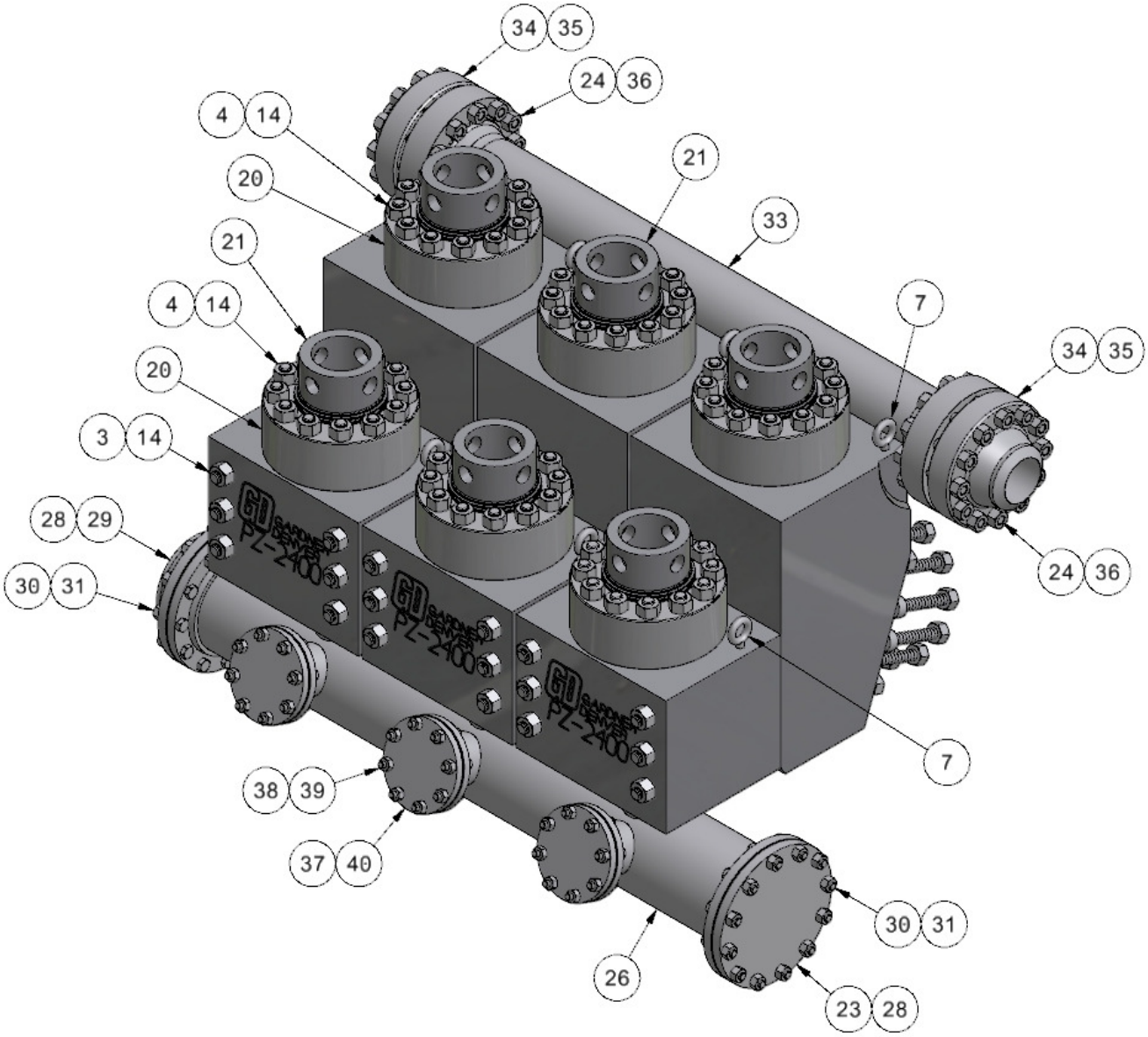
FLUID CYLINDER - STANDARD



Ref Drawing – 313PZY810

See page 24 for list of parts

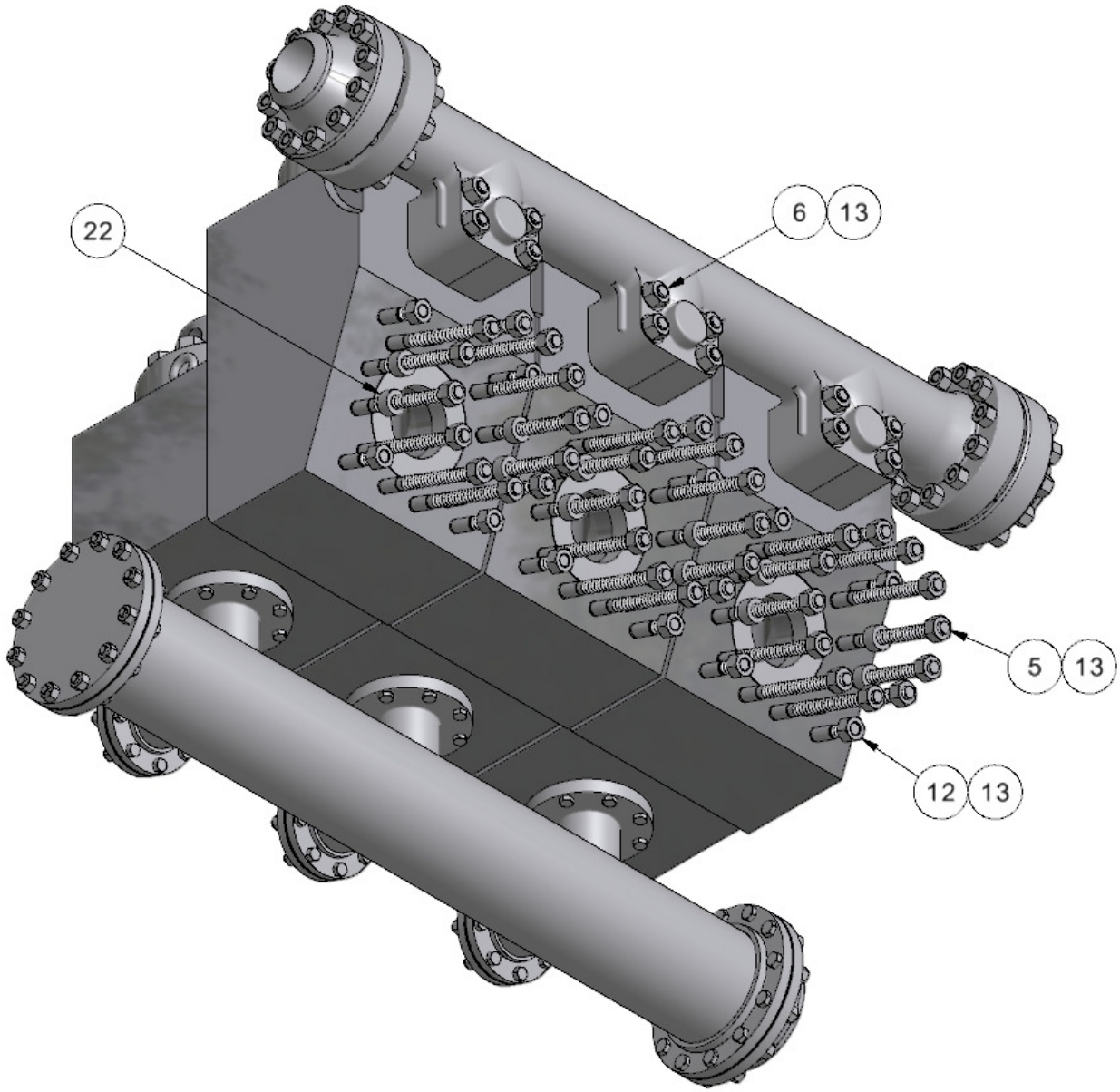
FLUID CYLINDER - STANDARD



See page 24 for list of parts

Ref Drawing – 313PZY810

FLUID CYLINDER - STANDARD



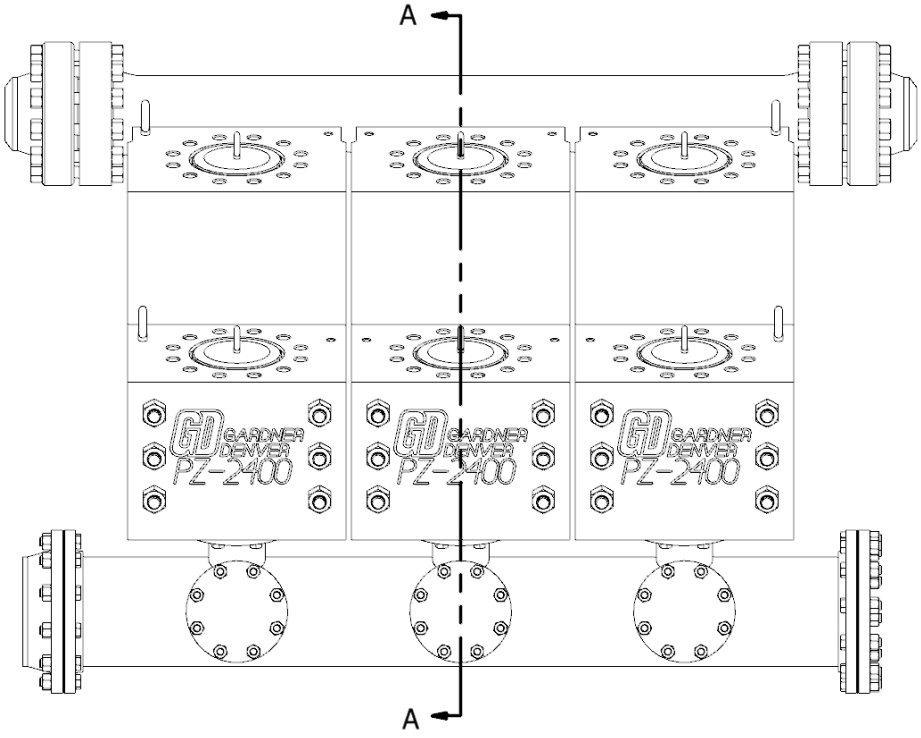
Ref Drawing – 313PZY810

See page 24 for list of parts

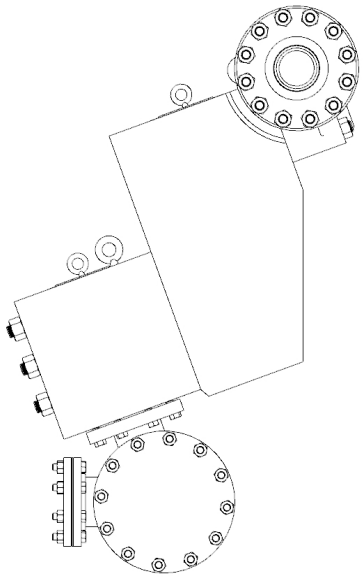
FLUID CYLINDER - STANDARD

Ref. No.	Name of Part	Qty.	Part No.
1	FLUID CYLINDER, Suction	3	300PZY029
2	FLUID CYLINDER, Discharge	3	301PZY029
3	STUD, SS – Suction cylinder to Discharge Cylinder	18	300PZY110S
4	STUD, SS – Valve cover lock ring	72	301PZY110S
5	STUD, SS – Cylinder to frame to liner	36	302PZY110S
6	STUD, SS – Discharge manifold	12	301PZL110S
7	EYE BOLT, SS	12	15P39S
8	SLEEVE, Module	3	PP1004318
9	SEAL, Module Sleeve	6	309TLS316
10	FLUID VALVE ASSEMBLY (See page 33 for BOM)	6	300PZY2055
11	BUSHING, Valve guide	6	2007674
12	STUD, SS – Cylinder to frame	12	303PZL110S
13	HEX NUT, Zinc	60	50B36Z
14	HEX NUT, Zinc	90	50B37Z
15	WEAR RING, For 5.00” thru 7.00” Liners	3	300PZY234
	WEAR RING, For 7.50” thru 9.00” Liners	3	301PZY234
16	SEAL, Wear Ring	3	300PXL316
17	VALVE COVER	6	300PZY147
18	SEAL, Valve Cover	6	PP1004443
19	EYE BOLT	6	15P27S
20	RING, Valve Cover	6	300PZY387
21	LOCK, Valve cover	6	300PZY587
22	BUSHING, Liner Clamp Stud	12	300PZL229
23	FLANGE, Blind - Suction	1	2009671ZINC
24	HEX NUT, Zinc	48	50AW61Z
25	GASKET, Suction manifold to cylinder	3	25BE20
26	SUCTION MANIFOLD	1	300PZY069
27	HEX CAP SCREW, With nylon insert	24	655EG10NZ
28	GASKET, Large suction flange	2	25C1154N
29	FLANGE, Suction - weld neck	1	64CU12ZINC
30	HEX CAP SCREW, Large suction flange	24	75A150Z
31	HEX NUT	24	50B9Z
32	SEAL, Discharge manifold	3	302PZL316
33	DISCHARGE MANIFOLD	1	300PZY071
34	GASKET, Discharge flange	2	25BC638
35	FLANGE, Weld neck - Discharge	2	64EB838ZINC
36	STUD, Discharge flange	24	305PZL110S
37	FLANGE, Blind - Suction	3	64EB141ZINC
38	HEX CAP SCREW, Small suction flange	24	655EG130Z
39	HEX NUT	24	50B8Z
40	GASKET, Small suction flange	3	300404-02
*	SOCKET WRENCH	1	99L11

FLUID CYLINDER - P-QUIP



FRONT VIEW

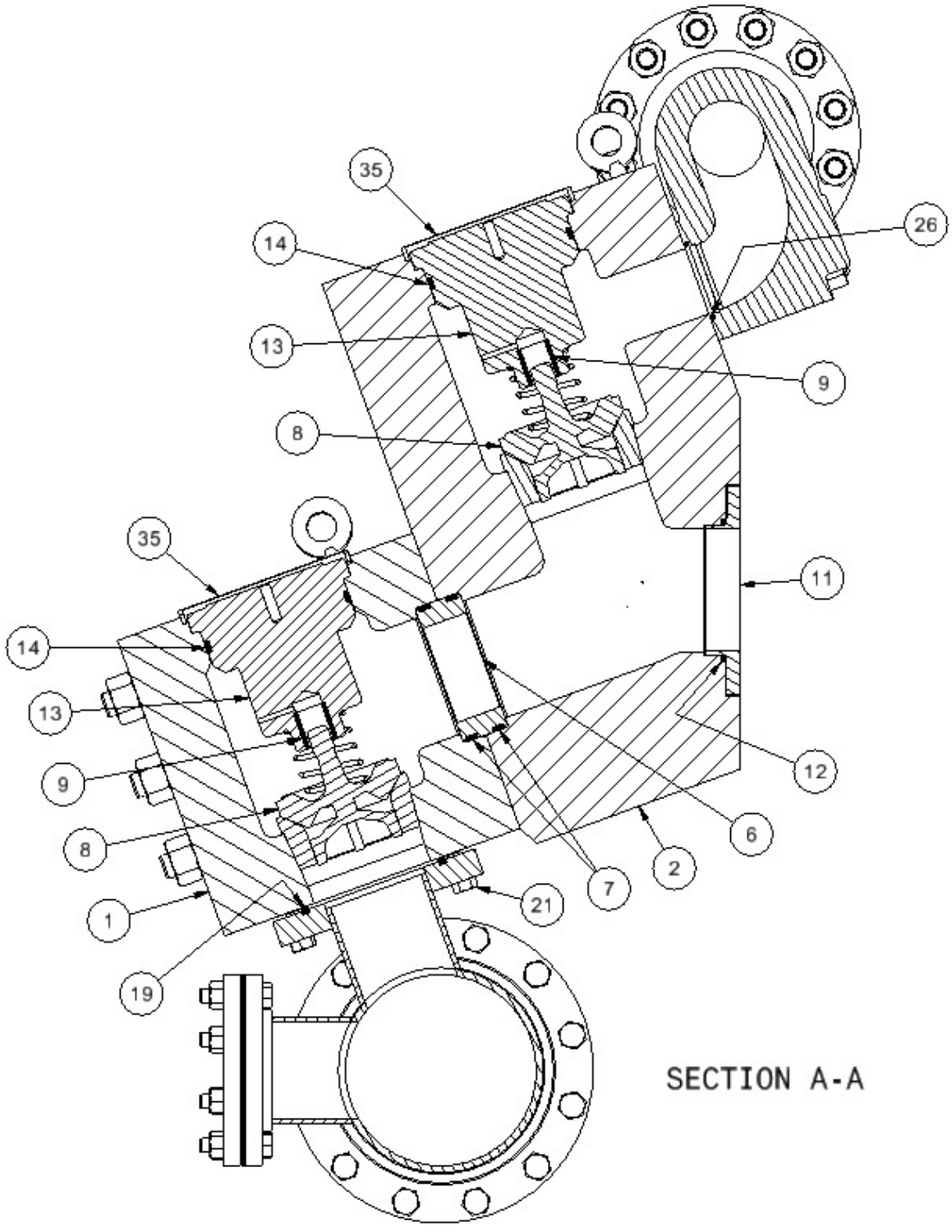


SIDE VIEW

Ref Drawing – 317PZY810

See page 29 for list of parts

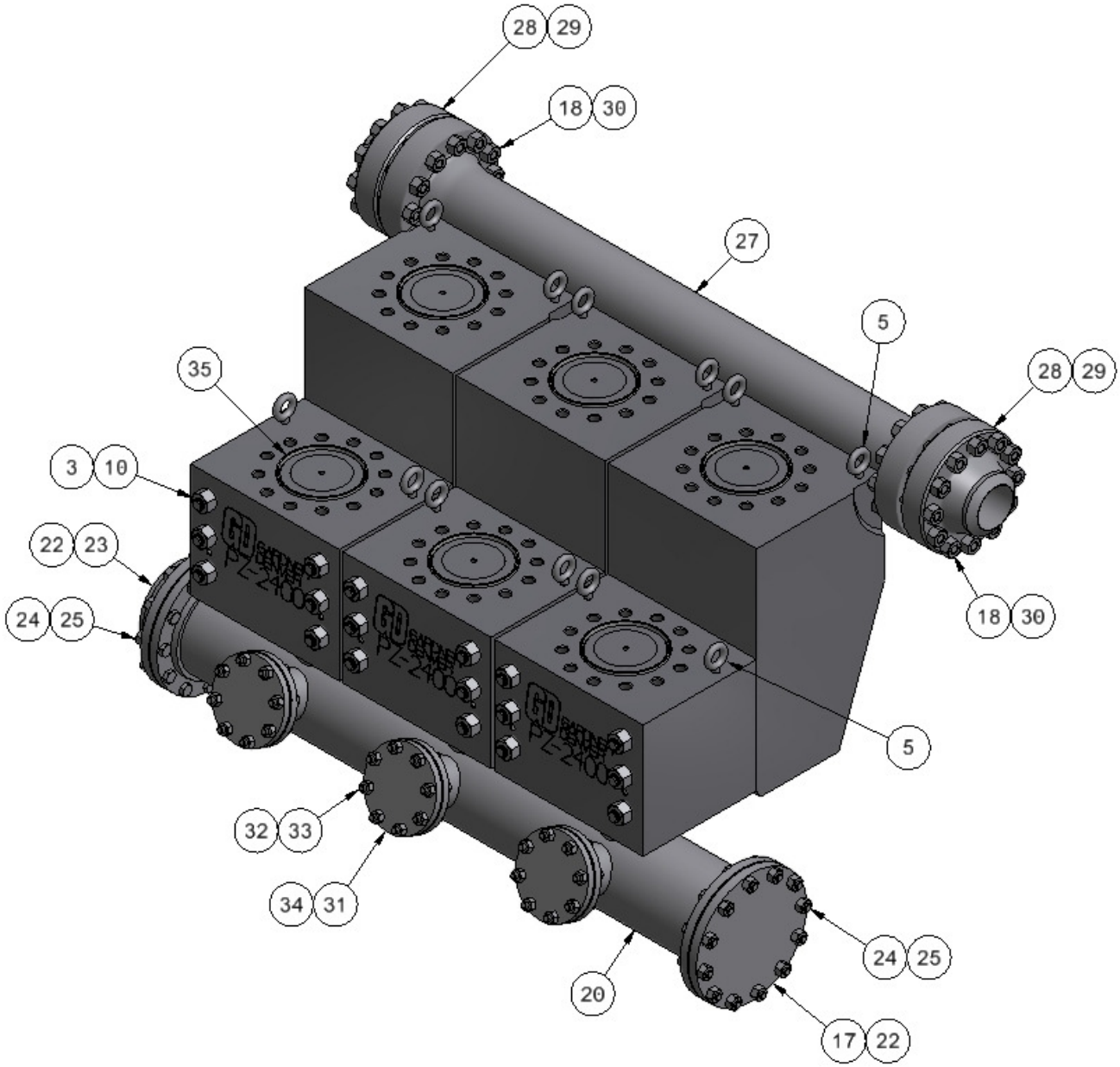
FLUID CYLINDER - P-QUIP



Ref Drawing – 317PZY810

See page 29 for list of parts

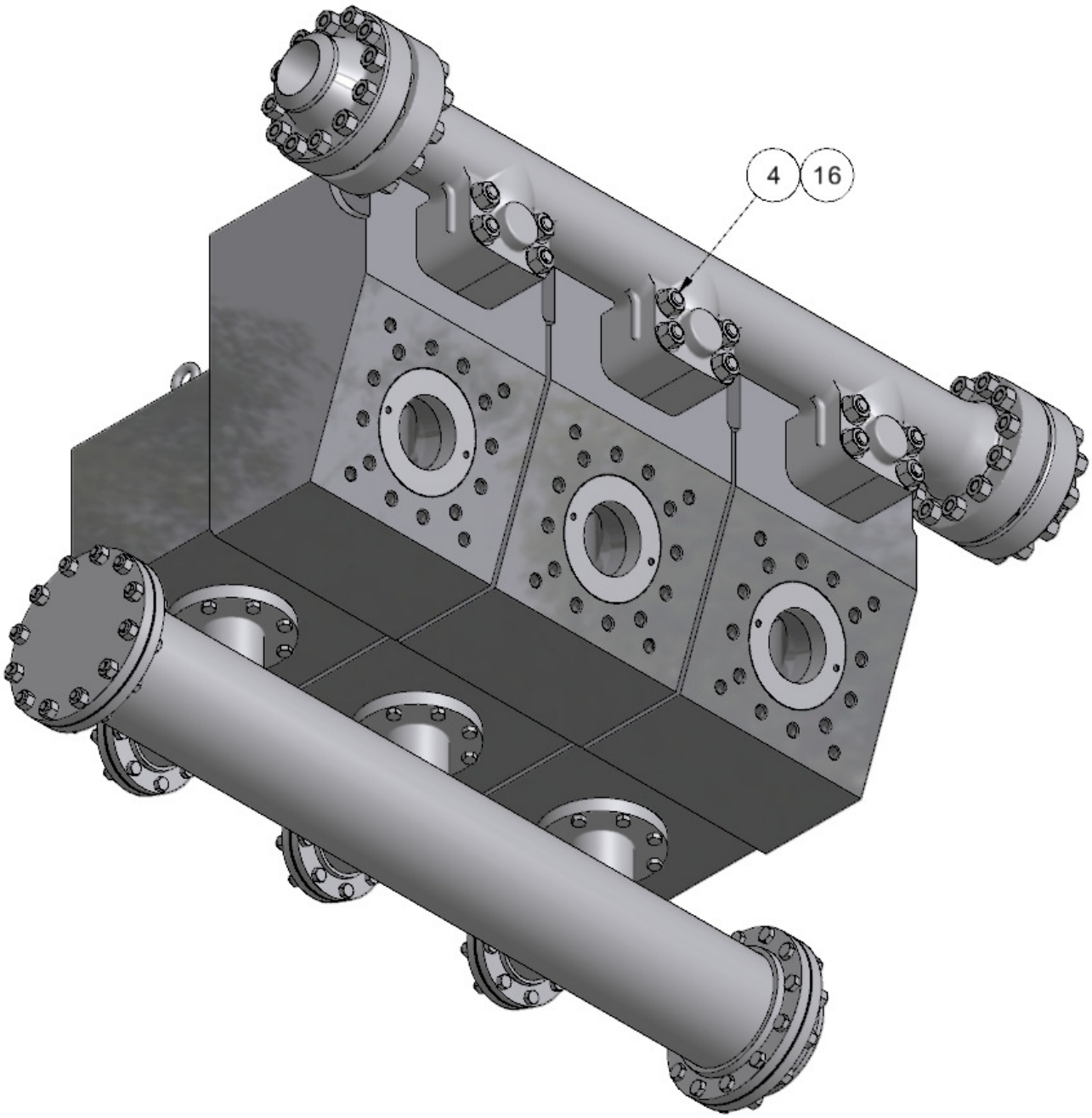
FLUID CYLINDER - P-QUIP



Ref Drawing – 317PZY810

See page 29 for list of parts

FLUID CYLINDER - P-QUIP



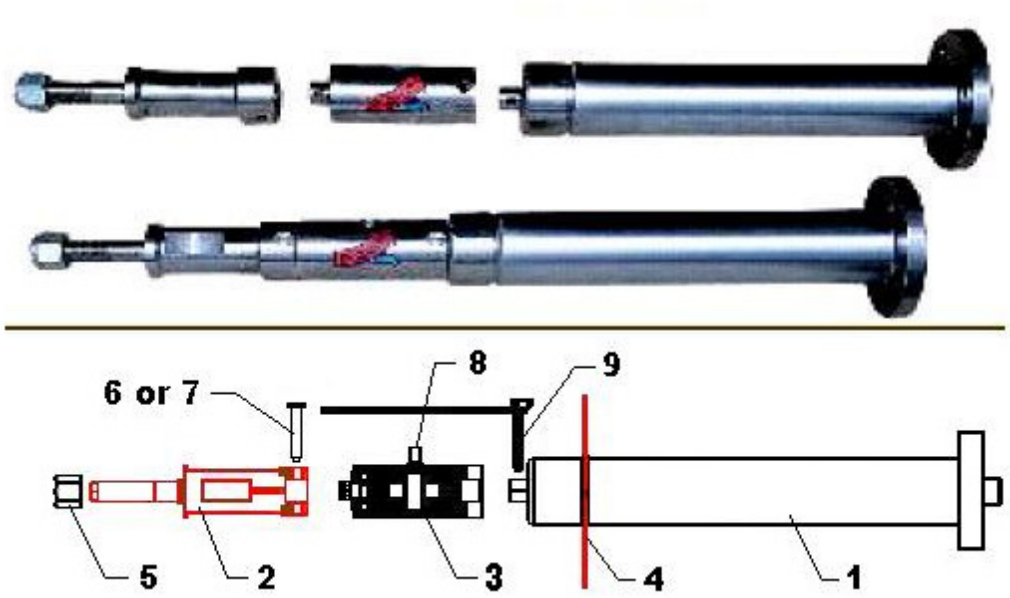
Ref Drawing – 317PZY810

See page 29 for list of parts

FLUID CYLINDER - P-QUIP

Ref. No.	Name of Part	Qty.	Part No.
1	FLUID CYLINDER, Suction	3	300PZY029
2	FLUID CYLINDER, Discharge	3	301PZY029
3	STUD, SS – Suction cylinder to Discharge Cylinder	18	300PZY110S
4	STUD, SS – Discharge Manifold	12	301PZL110S
5	EYE BOLT, SS	12	15P39S
6	SLEEVE, Module	3	PP1004318
7	SEAL, Module Sleeve	6	309TLS316
8	FLUID VALVE ASSEMBLY (See page 33 for BOM)	6	300PZY2055
9	BUSHING, Valve guide	6	2007674
10	HEX NUT, Zinc	18	50B37Z
11	WEAR RING, For 5.00” thru 7.00” Liners	3	300PZY234
	WEAR RING, For 7.50” thru 9.00” Liners	3	301PZY234
12	SEAL, Wear Ring	3	300PXL316
13	VALVE COVER	6	300PZY147
14	SEAL, Valve Cover	6	PP1004443
16	HEX NUT, Zinc	12	50B36Z
17	FLANGE, Blind - Suction	1	2009671ZINC
18	HEX NUT, Zinc	48	50AW61Z
19	GASKET, Suction manifold to cylinder	3	25BE20
20	SUCTION MANIFOLD	1	300PZY069
21	HEX CAP SCREW, With nylon insert	24	655EG10NZ
22	GASKET, Large suction flange	2	25C1154N
23	FLANGE, Suction - weld neck	1	64CU12ZINC
24	HEX CAP SCREW, Large suction flange	24	75A150Z
25	HEX NUT	24	50B9Z
26	SEAL, Discharge manifold	3	302PZL316
27	DISCHARGE MANIFOLD	1	300PZY071
28	GASKET, Discharge flange	2	25BC638
29	FLANGE, Weld neck - Discharge	2	64EB838ZINC
30	STUD, Discharge flange	24	305PZL110S
31	FLANGE, Blind - Suction	3	64EB141ZINC
32	HEX CAP SCREW, Small suction flange	24	655EG130Z
33	HEX NUT	24	50B8Z
34	GASKET, Small suction flange	3	300404-02
35	RING, Alignment	3	300PZY461
*	SOCKET WRENCH	1	99L11

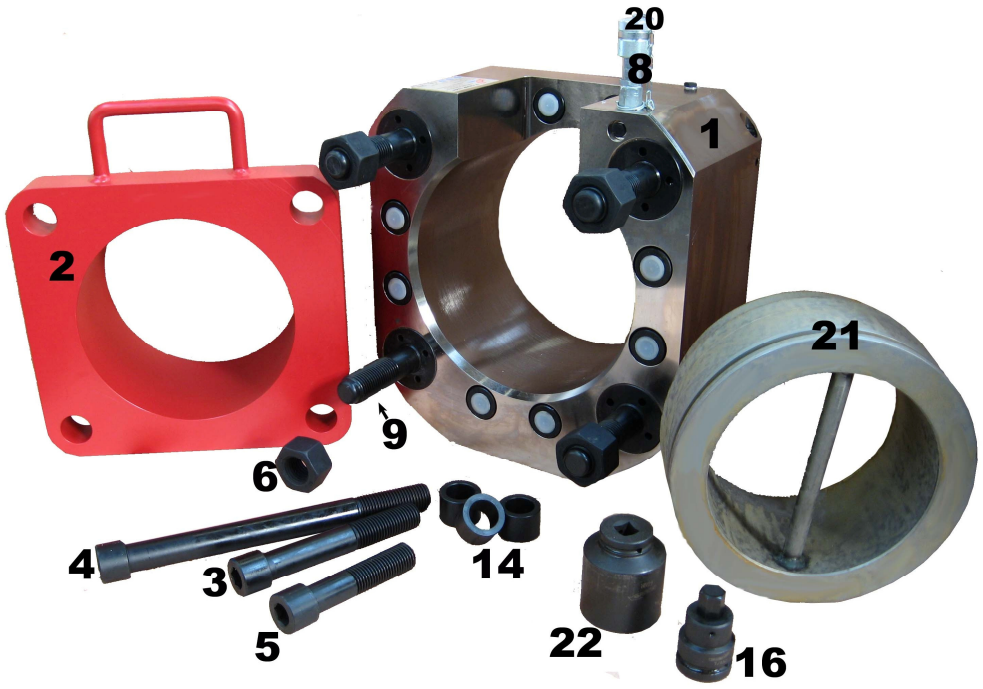
P-QUIP PISTON ROD "QUICK CHANGE" SYSTEM



Ref. No.	Name of Part	Qty	Part No.
1	EXTENSION ROD	3	2118799
2	PISTON ROD	3	2118800
3	RELEASE LINK	3	2118801
4	SPLASH SHIELD	3	2118802
5	PISTON NUT	3	2118803
6	PIN, Standard (For 5.00" liners and larger)	3	300PZY065
7	PIN, Low Profile (For liners smaller then 5.00")	3	2118804
8	PINLET, Special Pressurizing Tool	1	2118805
9	PIN, (With liner / rod wash tubes)	3	301PZY065
	The following are not shown		
10	PINLET, With Adaptor	1	2118806
11	PISTON NUT WRENCH	1	2118807
12	PINLET O-RING PACK (Contains 10 o-rings)	1	2118808
13	PISTON LINK HOLDER	1	2118809
14	PISTON LINK PULLER	1	2118810
15	HYDRAULIC PUMP, Hand Operated	1	2118811
16	HYDRAULIC PUMP, Air Driven	1	2118812

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

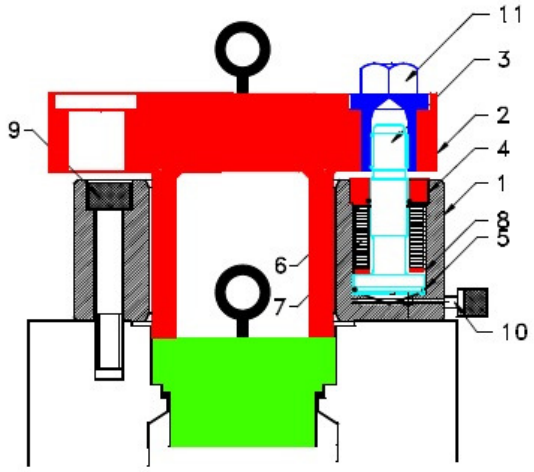
P-QUIP LINER RETENTION SYSTEM

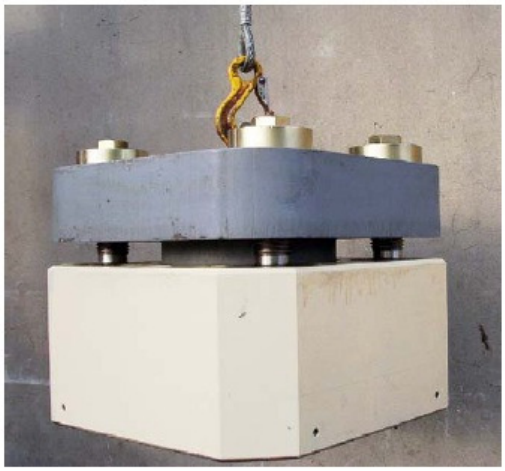


Ref. No.	Name of Part	Qty	Part No.
1	LINER RETENTION BODY (Includes Piston Assemblies)	3	2118813
2	RETENTION FLANGE	3	2118814
3	SCREW, Cap (198mm)	6	2118815
4	SCREW, Cap (354mm)	18	2118816
5	SCREW, Cap (139mm)	12	2118817
6	RETENTION NUT	12	2118818
8	PRESSURE FITTING	3	2118819
9	PISTON ROD ASSEMBLY (Includes next 6 items)	12	2118820
*	PISTON ROD	12	2118821
*	CYLINDER COVER NUT	12	2118822
*	SPRING PACKER	12	2118823
*	DISC SPRING	252	2118824
*	O-RING, Small	12	2118825
*	O-RING, Large	12	2118826
14	BODY SPACER	24	2118827
16	PIN WRENCH (For cylinder cover nut)	1	2118829
20	DUST CAP (For pressure fitting)	12	2118830
21	ALLIGNMENT TOOL	1	2118831
22	SOCKET WRENCH (For body fixing nut)	1	2118828
*	BOX WRENCH (For retention nut)	1	2118832
*	DOWEL, Anti Rotation	12	2118833
*	FITTING KIT (Includes Items 3,4,5 & 14)	3	2118834

* NOT SHOWN

P-QUIP VALVE COVER RETENTION SYSTEM



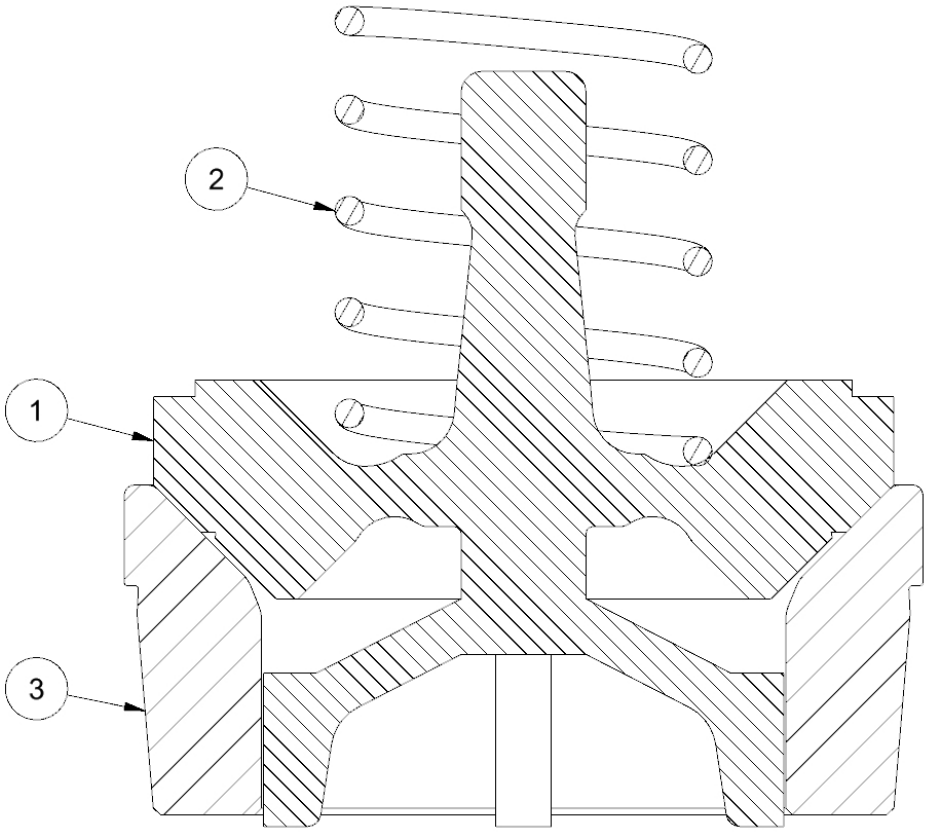




ITEM 10A

Ref. No.	Name of Part	Qty	Part No.
1	VALVE COVER BODY (Includes Piston Assemblies)	6	2118835
2	LOCKING PLATE	6	2118836
	PISTON ROD ASSEMBLY (Includes next 6 items)	24	2118838
3	PISTON ROD	24	2118839
4	CYLINDER COVER NUT	24	2118840
5	O-RING, Large	24	2118841
6	O-RING, Small	24	2118842
7	DISC SPRING	384	2118843
8	SPRING PACKER	24	2118844
9	SCREW, Cap (205mm)	48	2118837
10	PRESSURE FITTING	4	2118819
10A	PRESSURE FITTING, Angled (Center Module Only)	2	2118851
11	RETENTION NUT	24	2118845
	The following are not shown:		
	SOCKET WRENCH (For cap screws)	1	2118846
	PIN WRENCH (For cylinder cover nut)	1	2118847
	DUST CAP (For pressure fitting)	6	2118830
	DOWEL, Anti Rotation	4	2118833
	MODULE LIFTING BRACKET	1	2118848
	SOCKET WRENCH	1	2118849
	TORQUE WRENCH, Air Driven	1	2118850

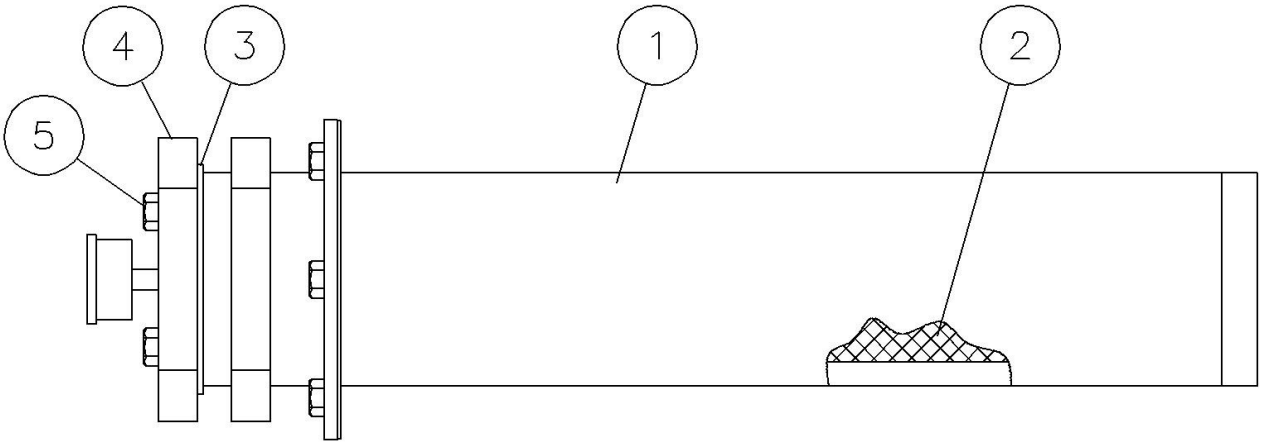
FLUID VALVE with FULL OPEN SEAT



Ref Drawing – 319PZY810

Ref. No.	Name of Part	Qty	Part No.
1	FLUID VALVE	6	300PZY482
2	VALVE SPRING	6	301PZL105
3	VALVE SEAT, Full open	6	300PZY039

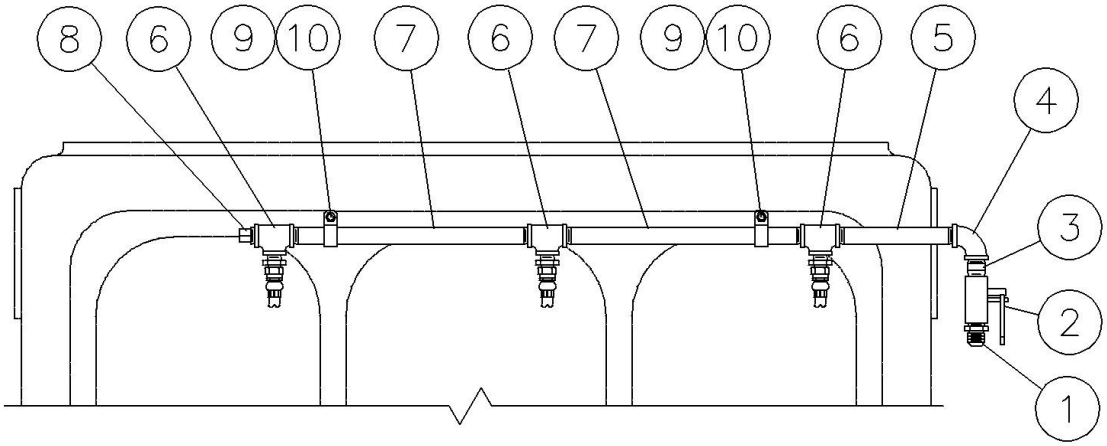
OIL FILTER



Ref Drawing – 302PZY810

Ref. No.	Name of Part	Qty	Part No.
1	OIL FILTER (Includes reference no's 2 thru 5).....	1	26C54ZINC
2	ELEMENT Assembly (Includes reference # 3)	1	5E44
3	GASKET	1	2109771
4	COVER	1	2109770ZINC
5	SCREW.....	4	75A54Z

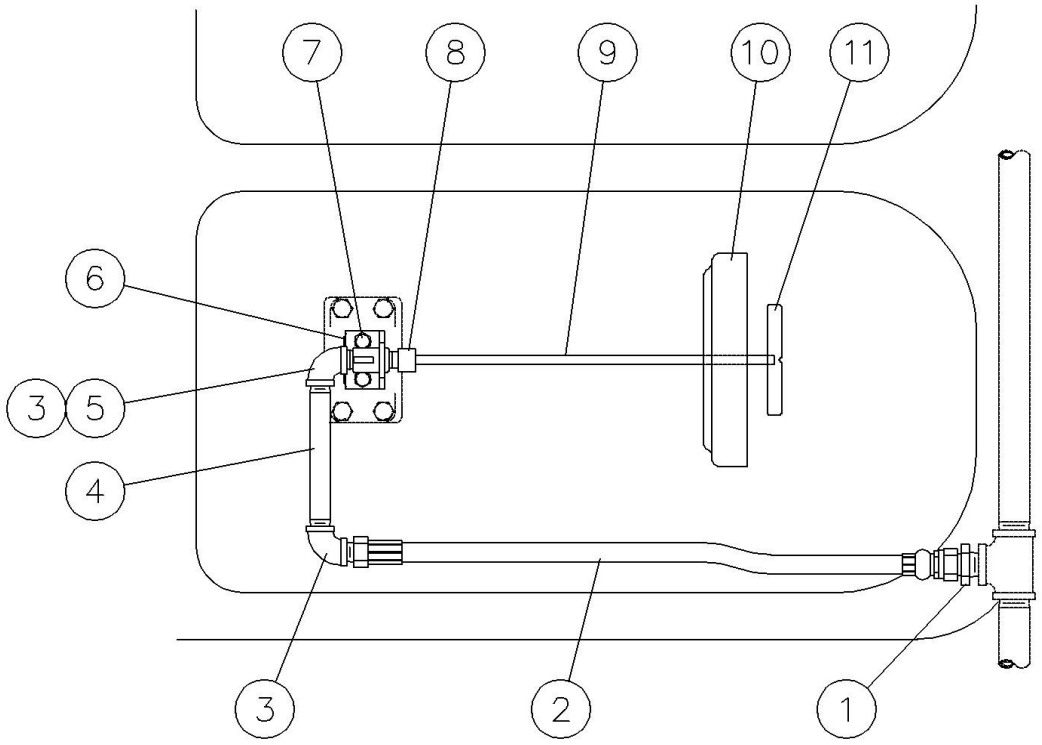
LINER / ROD WASH SYSTEM
MANIFOLD



Ref Drawing – 314PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	ADAPTOR, Hose	1	29Z214
2	CONTROL VALVE	1	90A36
3	PIPE NIPPLE	1	63H2
4	ELBOW, 90°	1	64C6
5	PIPE NIPPLE	1	63N16X130
6	TEE	3	64P79
7	PIPE NIPPLE	2	63N16X200
8	PLUG	1	64AA1
9	BRACKET, Pipe	2	300PZY017
10	HEX CAP SCREW, Flange head	2	75LM51

LINER / ROD WASH SYSTEM
PIPING - STANDARD

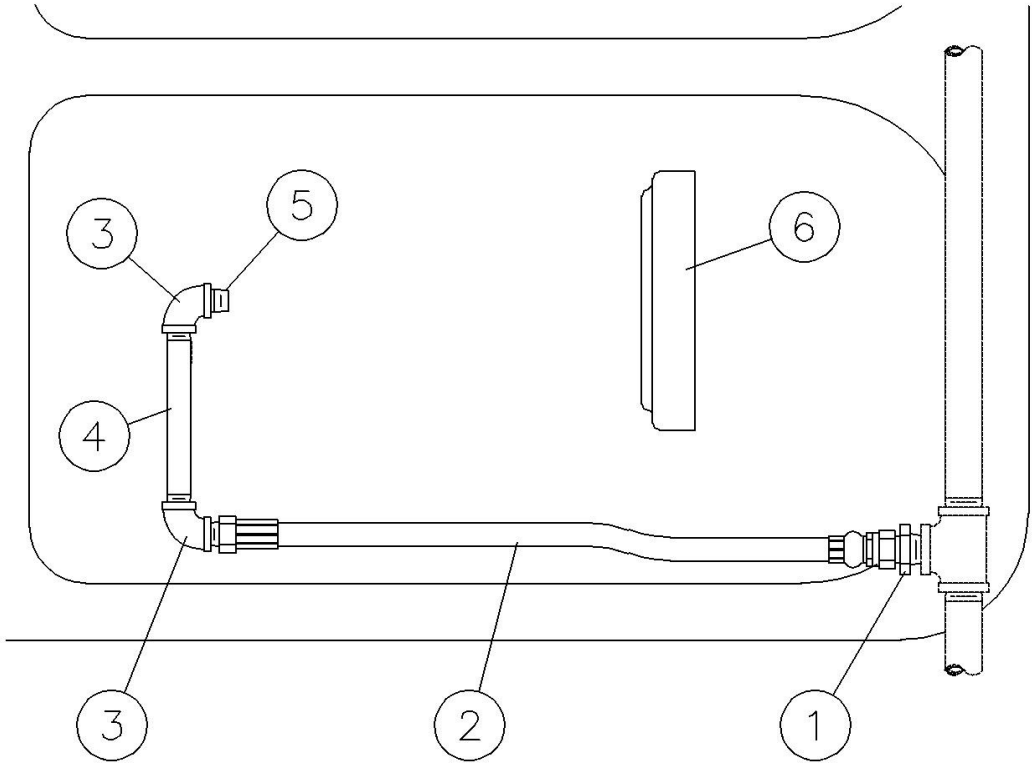


Ref Drawing – 315PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	ADAPTOR, Swivel	3	29Q6
2	HOSE ASSEMBLY	3	29R29
3	ELBOW, 90°	6	64C4
4	PIPE NIPPLE	3	63F11
5	PIPE NIPPLE	3	63F33
6	BRACKET, Water Injection	3	300PZL017
7	SCREW, Flange head	6	75LM150
8	ELBOW, Tube	3	86M18
9	TUBE, Liner / Rod wash	3	300PZY857
10	CAP, Liner baffle – 5.00” thru 7.00”	3	300PZY237
	CAP, Liner baffle – 7.50” thru 9.00”	3	301PZY237
11	RING, Water distribution	3	300PZL461

LINER / ROD WASH SYSTEM – P-QUIP

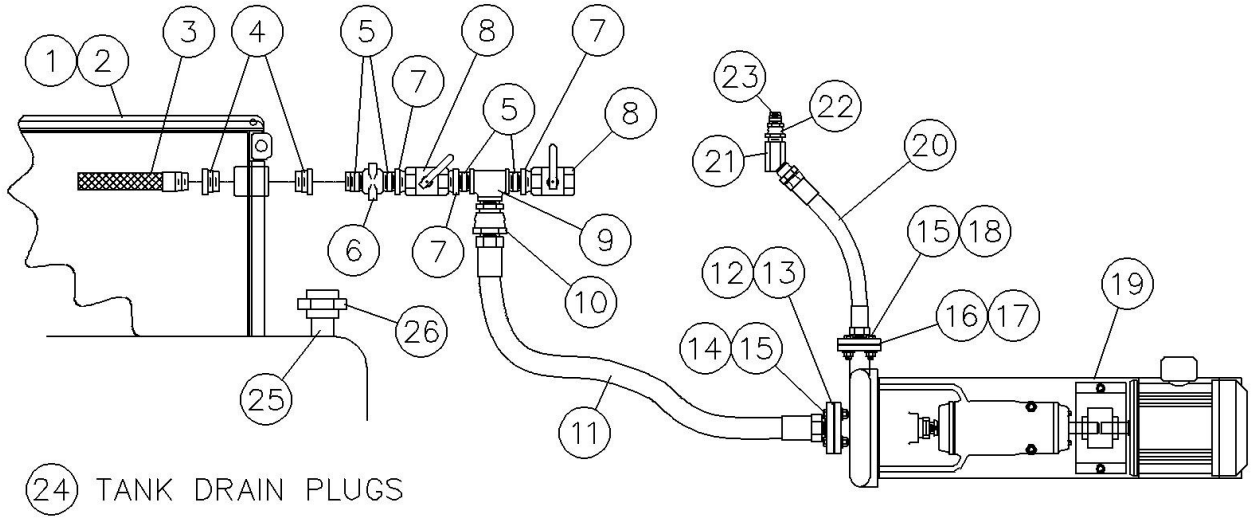
Use these parts when the "Quick Change" System is used



Ref Drawing – 316PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	ADAPTOR, Swivel	3	29Q6
2	HOSE ASSEMBLY	3	29R29
3	ELBOW, 90°	6	64C4
4	PIPE NIPPLE	3	63F11
5	PIPE NIPPLE	3	63F33
6	CAP, Liner baffle – 5.00" thru 7.00"	3	300PZY237
	CAP, Liner baffle – 7.50" thru 9.00"	3	301PZY237

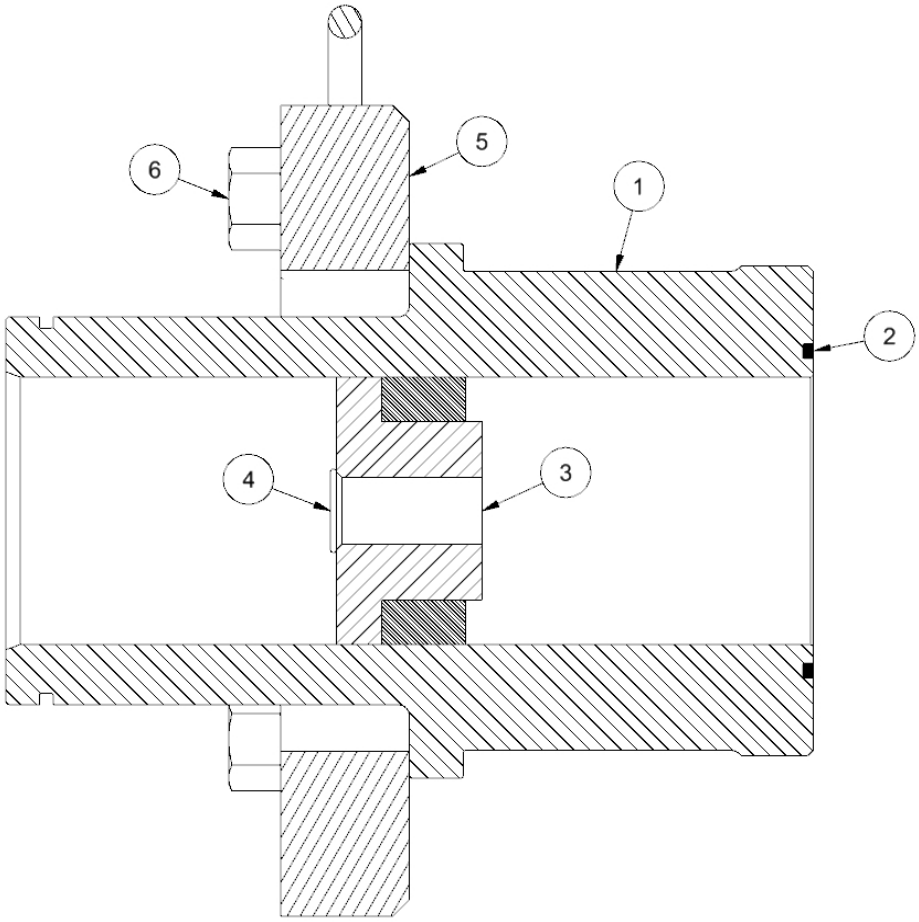
LINER / ROD WASH SYSTEM & HARDWARE



Ref Drawing – 318PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	TANK, Rod / Liner Wash	1	300PZY623
2	COVER, Rod / Liner Wash Tank	1	300PZY249
3	SCREEN	1	3WAJ511
4	PIPE BUSHING	2	64EB304
5	PIPE NIPPLE	4	63K2
6	UNION, Hammer	1	2009241
7	PIPE BUSHING	3	64EB304
8	VALVE, Shut Off	2	90A60
9	TEE	1	64G11
10	ADAPTOR	1	29Q198
11	HOSE ASSEMBLY	1	29Z134
12	GASKET	1	25C1369N
13	FLANGE	1	64CA6
14	SCREW, Hex Cap	4	655EE090
15	HEX NUT	8	50B5
16	GASKET	1	25C1278
17	FLANGE	1	64CA4
18	SCREW, Hex Cap	4	655EE080
19	PUMP, Rod / Liner Wash	1	301PZK1312
20	HOSE ASSEMBLY	1	2009270
21	ADAPTOR	1	20Q27
22	REDUCER	1	64N3
23	PIPE NIPPLE	1	63G1
24	PLUG	2	64A7
25	PIPE NIPPLE	1	63L18
26	UNION	1	64Z2

PISTONS & LINERS - STANDARD



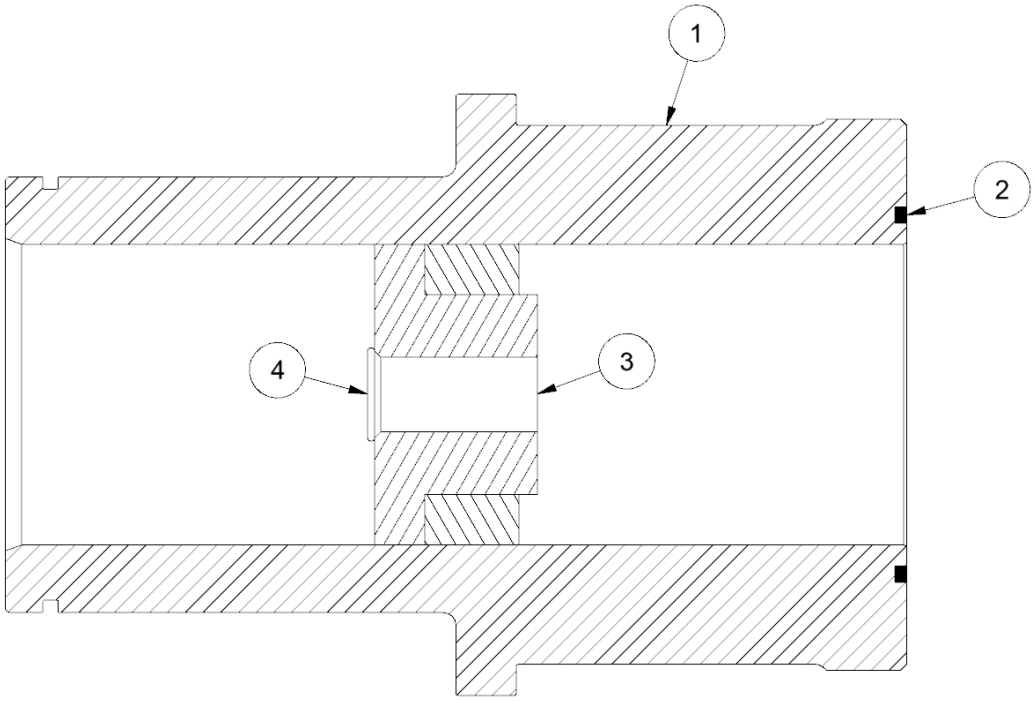
Ref Drawing – 320PZY810

Ref. No.	Name of Part	Qty.	Part No.				
			5.00”	5.50”	6.00”	6.50”	7.00”
1	FLUID LINER.....	3	300PZY456	301PZY456	302PZY456	303PZY456	304PZY456
2	SEAL, Liner.....	3	316PZL316	316PZL316	316PZL316	317PZL316	304PZL316
3	FLUID PISTON.....	3	320PZL350	321PZL350	322PZL350	324PZL350	325PZL350
4	O-RING.....	3	25AH1	25AH1	25AH1	25AH1	25AH1
5	LINER CLAMP.....	3	300PZY455	300PZY455	300PZY455	300PZY455	300PZY455
6	HEX NUT, Zinc	18	50B36Z	50B36Z	50B36Z	50B36Z	50B36Z

Ref. No.	Name of Part	Qty.	Part No.			
			7.50”	8.00”	8.50”	9.00”
1	FLUID LINER.....	3	305PZY456	306PZY456	307PZY456	308PZY456
2	SEAL, Liner	3	304PZY316	303PZY316	303PZY316	303PZY316
3	FLUID PISTON.....	3	327PZL350	328PZL350	329PZL350	330PZL350
4	O-RING.....	3	25AH1	25AH1	25AH1	25AH1
5	LINER CLAMP.....	3	300PZY455	300PZY455	300PZY455	300PZY455
6	HEX NUT, Zinc.....	18	50B36Z	50B36Z	50B36Z	50B36Z

PISTONS & LINERS – P-QUIP

Use these parts when the P-QUIP Liner Retention System is used

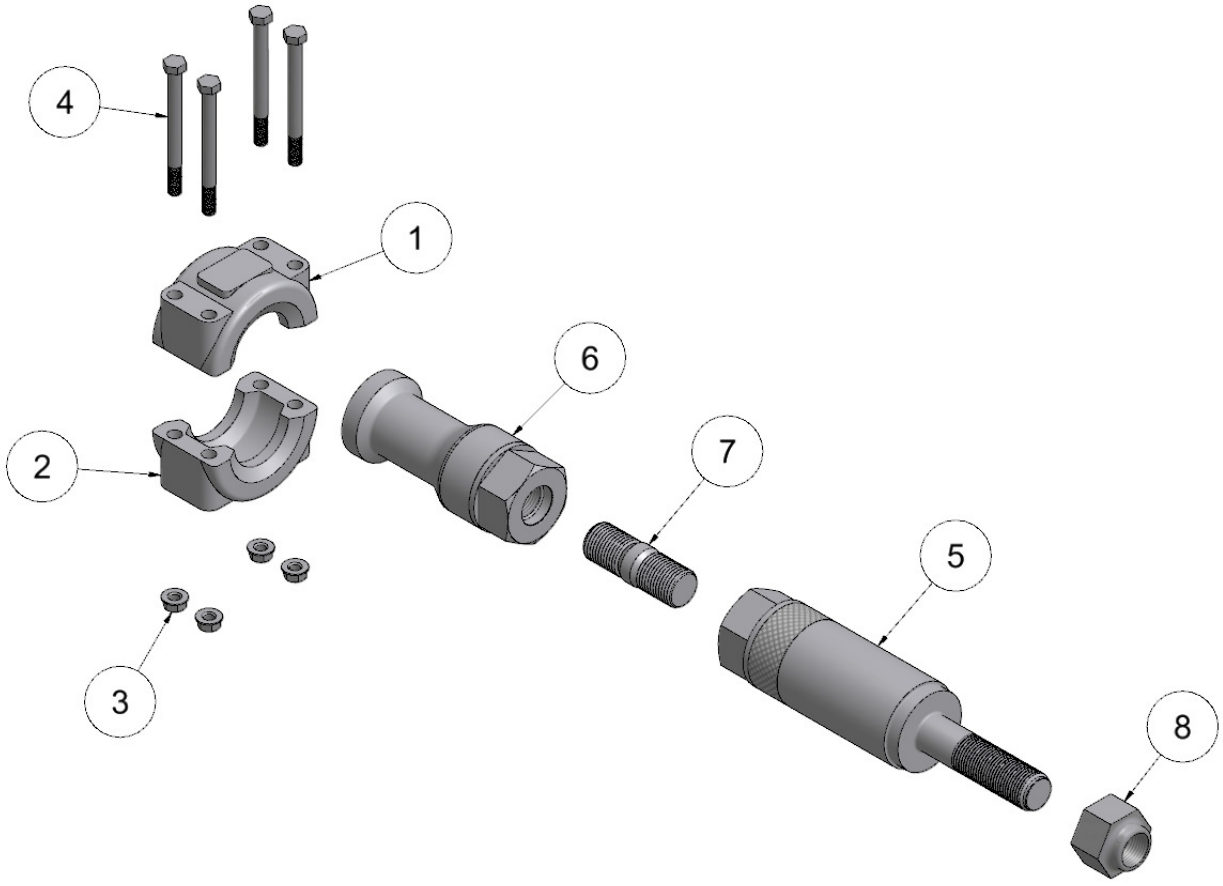


Ref Drawing – 321PZY810

Ref. No.	Name of Part	Qty.	Part No.				
			5.00”	5.50”	6.00”	6.50”	7.00”
1	FLUID LINER.....	3	300PZY456	301PZY456	302PZY456	303PZY456	304PZY456
2	SEAL, Liner.....	3	316PZL316	316PZL316	316PZL316	317PZL316	304PZL316
3	FLUID PISTON.....	3	320PZL350	321PZL350	322PZL350	324PZL350	325PZL350
4	O-RING.....	3	25AH1	25AH1	25AH1	25AH1	25AH1

Ref. No.	Name of Part	Qty.	Part No.			
			7.50”	8.00”	8.50”	9.00”
1	FLUID LINER.....	3	305PZY456	306PZY456	307PZY456	308PZY456
2	SEAL, Liner	3	304PZY316	303PZY316	303PZY316	303PZY316
3	FLUID PISTON.....	3	327PZL350	328PZL350	329PZL350	330PZL350
4	O-RING.....	3	25AH1	25AH1	25AH1	25AH1

PISTON ROD & COUPLING - STANDARD

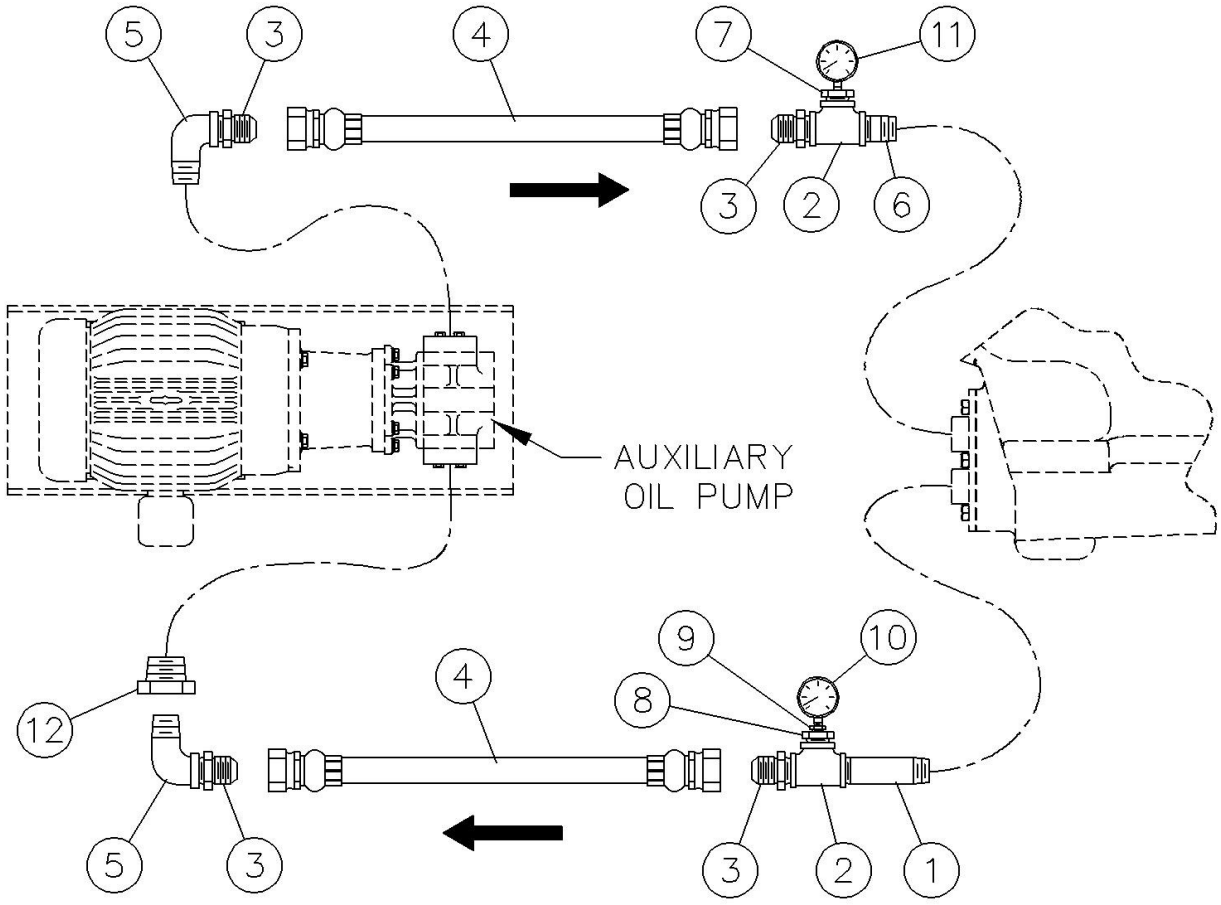


Ref Drawing – 323PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	COUPLING, Plunger (Bottom)	3	201PZL092
2	COUPLING, Plunger (Top)	3	300PZL092
3	LOCKNUT	12	50AW35
4	SCREW, Coupling	12	655EE22S
5	ROD-PISTON, Front Section	3	300PZY060S
6	ROD-PISTON Rear Section	3	302PZL060S
7	STUD, Grade 8	3	304PZL110
8	LOCKNUT	3	50V14

- **NOT SHOWN**

AUXILIARY OIL PIPING – STANDARD

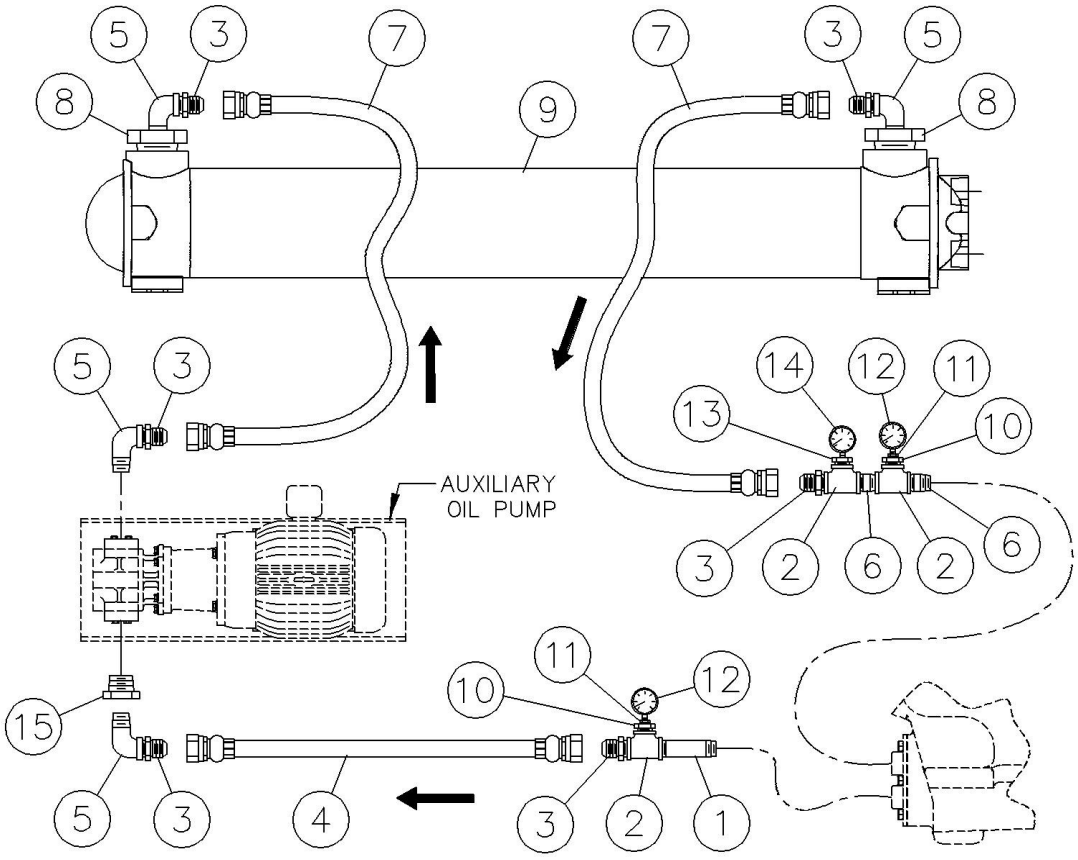


Ref Drawing – 331PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	PIPE NIPPLE	1	63J3G
2	TEE	2	64G9G
3	ADAPTOR	4	119335
4	HOSE ASSEMBLY	2	1059T06
5	ELBOW	2	64D7G
6	PIPE NIPPLE	1	63J16G
7	BUSHING	1	64E26
8	BUSHING	1	64E6G
9	BUSHING	1	64E3G
10	GAUGE, Temperature	1	27P197
11	GAUGE, Pressure	1	27P176
12	BUSHING	1	64E98G

FOR AUXILIARY OIL PUMP OPTIONS - SEE PAGE 44

AUXILIARY OIL PIPING with HEAT EXCHANGER

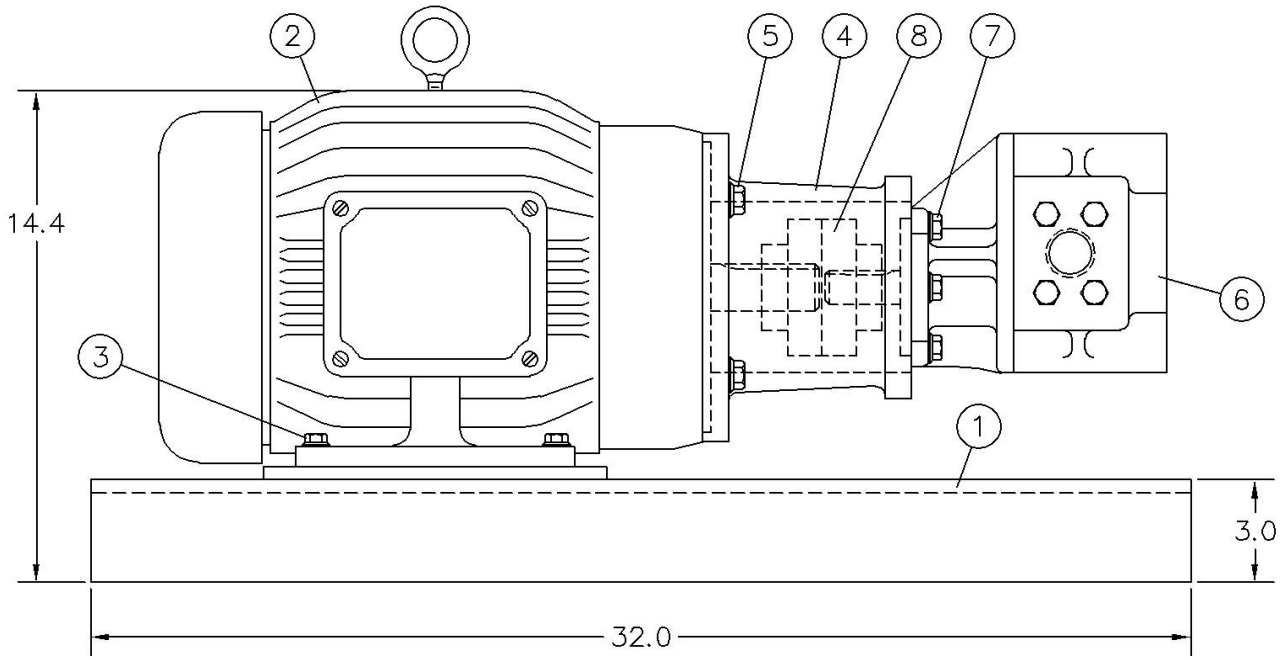


Ref Drawing – 334PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	PIPE NIPPLE	1	63J3G
2	TEE	3	64G9G
3	ADAPTOR	6	119335
4	HOSE ASSEMBLY	1	1059T06
5	ELBOW	4	64D7G
6	PIPE NIPPLE	2	63J16G
7	HOSE ASSEMBLY	2	1059T09
8	BUSHING	2	64EB945
9	HEAT EXCHANGER	1	300PZY349
10	BUSHING	2	64E6G
11	BUSHING	2	64E3G
12	GAUGE, Temperature	2	27P197
13	BUSHING	1	64E26
14	GAUGE, Pressure	1	27P176
15	BUSHING	1	64E98G

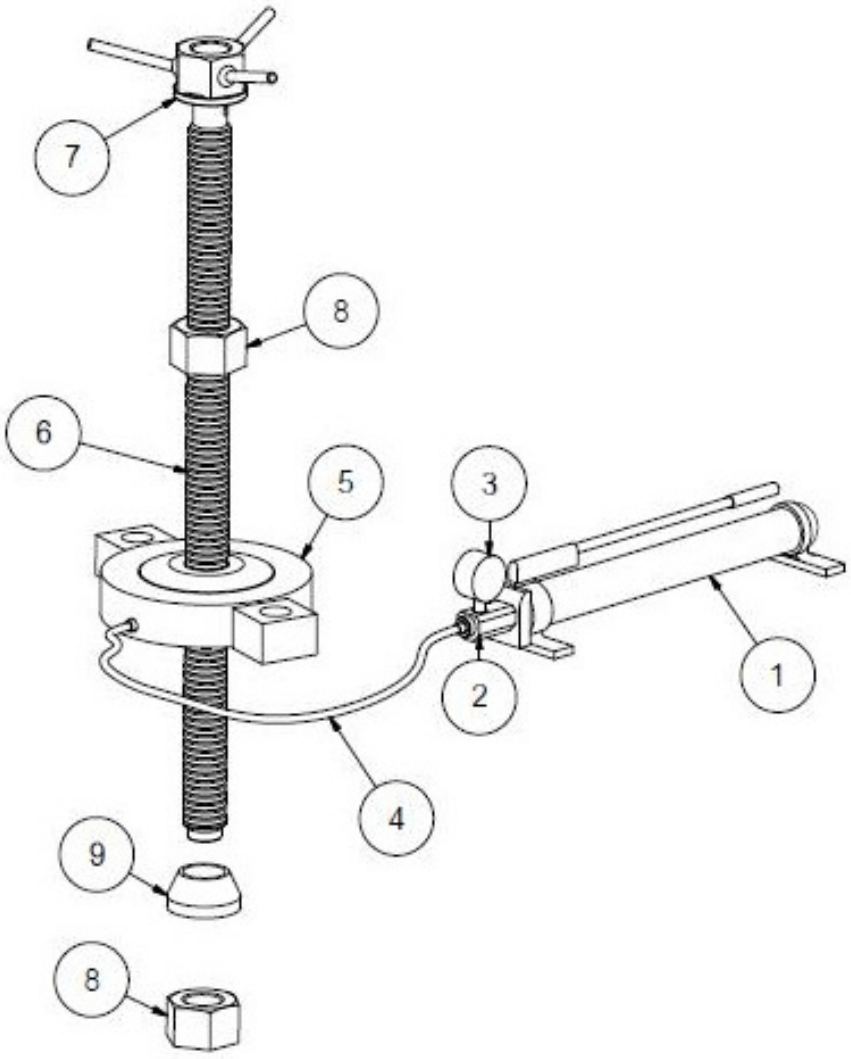
FOR AUXILIARY OIL PUMP OPTIONS - SEE PAGE 44

AUXILIARY OIL PUMP - OPTIONS



Ref Drawing – 335PZY810

Ref. No.	Name of Part	Qty.	Part No.
1	BASE	1	300PZY285
	ELECTRIC MOTOR VOLTAGE OPTIONS (One Required)		
2	MOTOR, 230 / 460 VOLT	1	300PZY348
	MOTOR, 600 VOLT	1	301PZY348
3	SCREW	4	75LM258
4	ADAPTOR, Oil Pump to Motor	1	300PZY170
5	SCREW	4	75LM200
6	OIL PUMP	1	300PZY188
7	SCREW	6	75LM135
8	COUPLING, Flex	1	300PZY572



Ref Drawing – 333PZY810

VALVE SEAT PULLER (OPTIONAL)

Ref No.	Name of Part	Qty.	Part No.
	VALVE SEAT PULLER ASSEMBLY	1	300PZY2041
	Includes Items 1 thru 9, plus Carrying Case		
1	PUMP, Hydraulic	1	100913
2	ADAPTOR, Gauge	1	100938
3	GUAGE, 10,000 lbs	1	100937
4	HYDRAULIC HOSE	1	100939
5	PANCAKE JACK	1	300PZY425
6	STEM, Center	1	VP1058756
7	NUT, Center Stem	1	VP1058795
8	NUT, Retainer	2	50B18
9	PULLER HEAD, API #8 Full Opening Valve Seat	1	300PZY1247
	CARRYING CASE, Not Shown	1	2117055

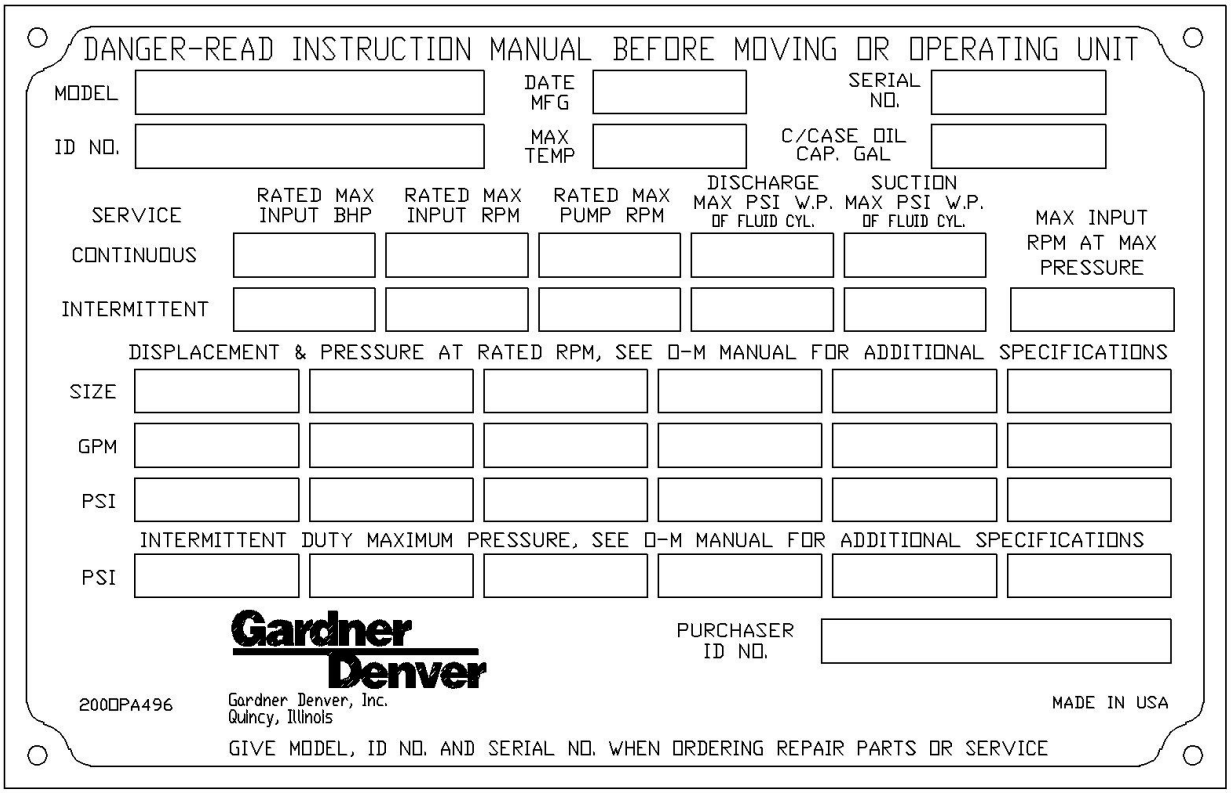
OPTIONAL EQUIPMENT

Name of Part	Qty.	Part No.
BAR, Valve Cover Tightening (Standard)	1	62L62
PIN, Valve Cover Tightening Bar (Standard)	1	2009526
Fluid Cylinder Lifting Chain	1	300PZY061
Piston Rod Nut Removal Tool	1	200PZL074
Oil Stop Head Seal Alignment Tool	1	301PZL074
Jackshaft Wear Sleeve Installation Tool	1	301PZY074
Eccentric Indexing / Alignment Tool	1	302PZY074
Liner Retainer Body Torque / Alignment Tool (P-QUIP)	1	303PZY074
Pry Bar / Alignment Tool	1	304PZY074
Suction Fluid Cylinder Puller	2	300PZY219
Valve Cover Puller	1	301PZY219
Valve Cover Retention Body Lifting Cable (P-QUIP)	1	300PZY312
Main Bearing Housing Lifting Bail	1	300PZY901
Crosshead Pin Lifting Bail	1	301PZY901
Liner Retention Body Lifting Bail (P-QUIP)	1	302PZY901
Discharge Manifold Nut Socket	1	300PZY659
Frame to Cylinder Hex Nut Socket (P-QUIP)	1	301PZY659
Socket Extension (P-QUIP)	1	300PZY1216
Small Hammer	1	300PZY1244
Large Hammer	1	301PZY1244
(Standard) = Pump equipped with standard GD fluid end parts		
(P-QUIP) = Pump equipped with P-Quip retention system parts		
(No Designation) = Used with either fluid cylinder configuration		
GAUGE (0 – 15,000 PSI)	1	300PZK322
PRESSURE RELIEF VALVE (500 - 10000 PSI)	1	300PZY169

NOTES

GARDNER DENVER PUMP UNIT RECORD

The following unit identification plate is provided as a convenience to you, our valued Gardner Denver customer. Please take the time to copy all the information from the actual nameplate on your unit. The model number, date manufactured and serial number will be required when contacting the company or your distributor for information or replacement parts.



Ref. Drawing – 200OPA496

Gardner Denver

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For additional information contact your local distributor or

Gardner Denver - Fluid Transfer Division,
1800 Gardner Expressway, Quincy, Illinois 62301
Customer Service Department Telephone:
(800) 682-9868 FAX: (217) 223-1581

For Domestic parts information Contact:
Gardner Denver – Fluid Transfer Division,
2200 South Prospect, Oklahoma City, OK. 73129
Telephone: (405) 677-5736 FAX: (405) 677-5807