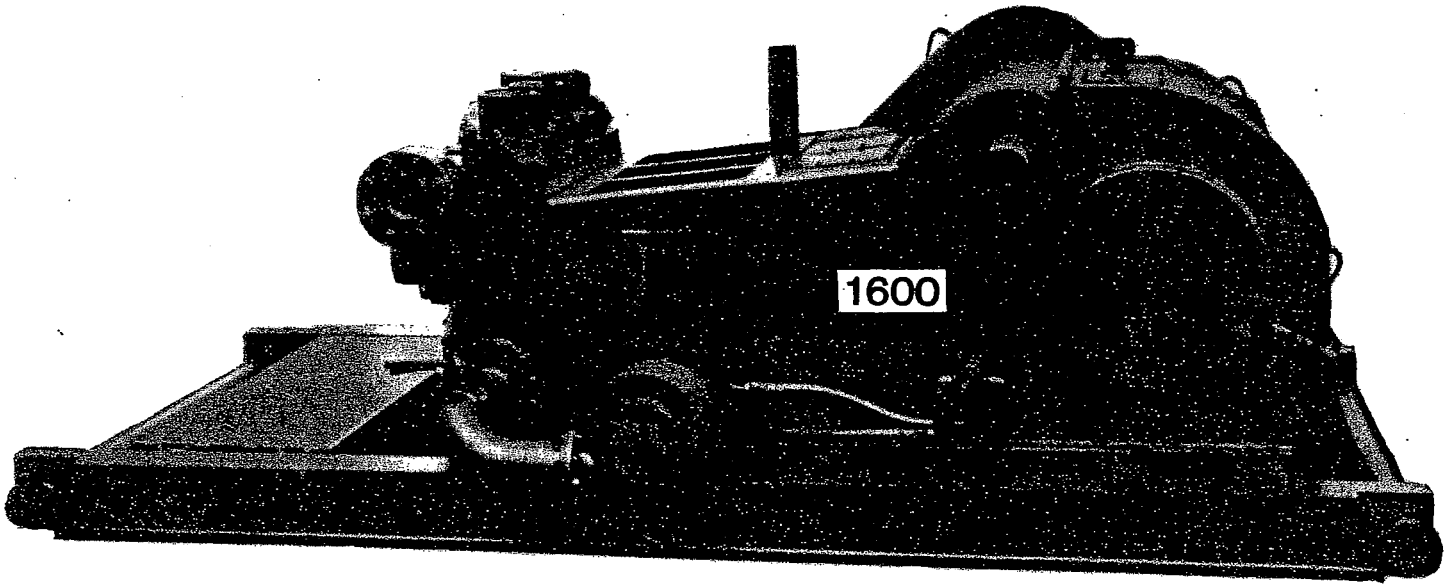
IDECO

PARTS BOOK
and MAINTENANCE GUIDE



TRIPLEX MUD PUMP

T-1600

IDECO

For parts and service contact your IDECO district sales office in your area

When ordering parts always furnish the following information to assure prompt delivery:

1. **Serial number of machine.**
2. **Part name, part number and quantity required.**
3. **Whether to ship by freight, express, or parcel post.**

Claims for shortages or errors should be made immediately upon receipt of material.

IR INTERNATIONAL

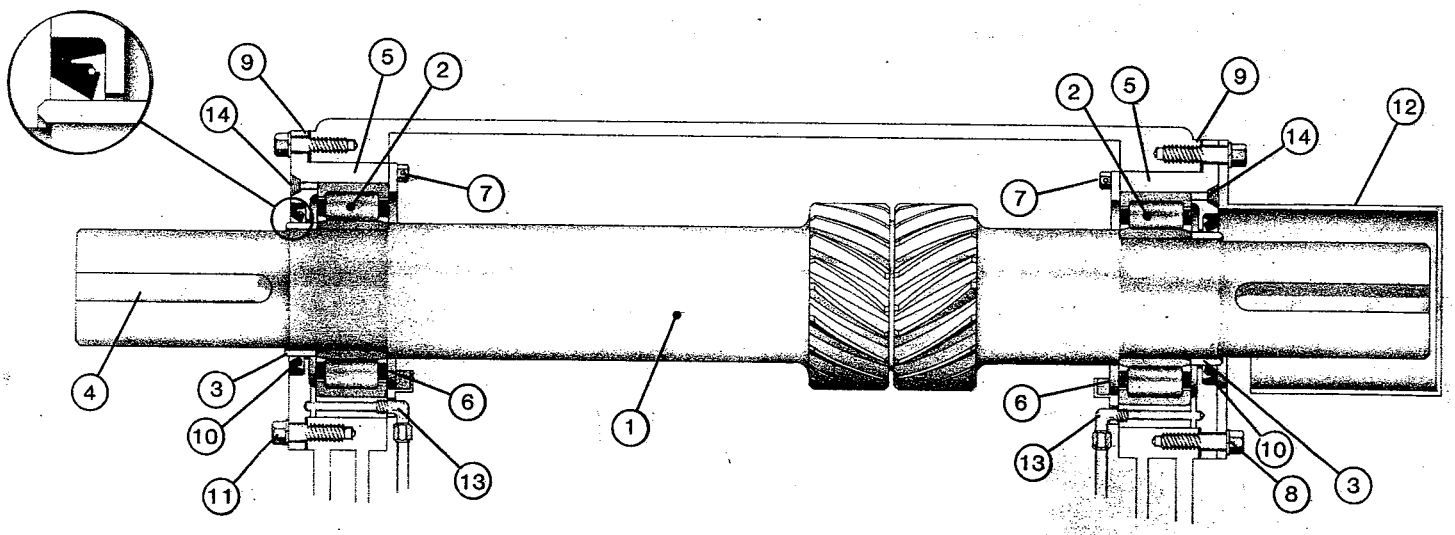
P.O. Box 1101
Pampa, Texas 79065
Phone: (806) 665-3701
Telex: 910-899-4401
Fax: (806) 665-3216

PARTS LIST FOR
PINION ASSEMBLY

ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-201-01	2376	PINION SHAFT	1
2	IB-657	106	PINION BEARING	2
3	551-101-06	24	OIL SEAL RACE	2
4	BMT-1012-85	7	KEY 2" X 1" X 11" LONG	1
5	551-101-04	275	BEARING HOUSING	2
6	551-101-03	32	BEARING RETAINER	2
7	CG-16		⅝" N.C. DRILLED HEAD BOLT 1¾" LG. W/LOCK WASHER	16
8			1" N.C. HEX HEAD BOLT 3¼" LG. W/LOCK WASHER	8
9	450-02-06		GASKET	2
10	IO-404	2	OIL SEAL	2
11			1" N.C. HEX HEAD BOLT 2½" LG. W/LOCK WASHER	8
12	551-101-02	113	PINION SHAFT COVER	1
13			⅜" TUBE TO ¼" NPT 90° ELBOW	2
14			⅜" NPT SOCKET HEAD PIPE PLUG	8
			1/16 Ø WIRE (LENGTH AS REQ'D.)	

APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 3325 LBS.

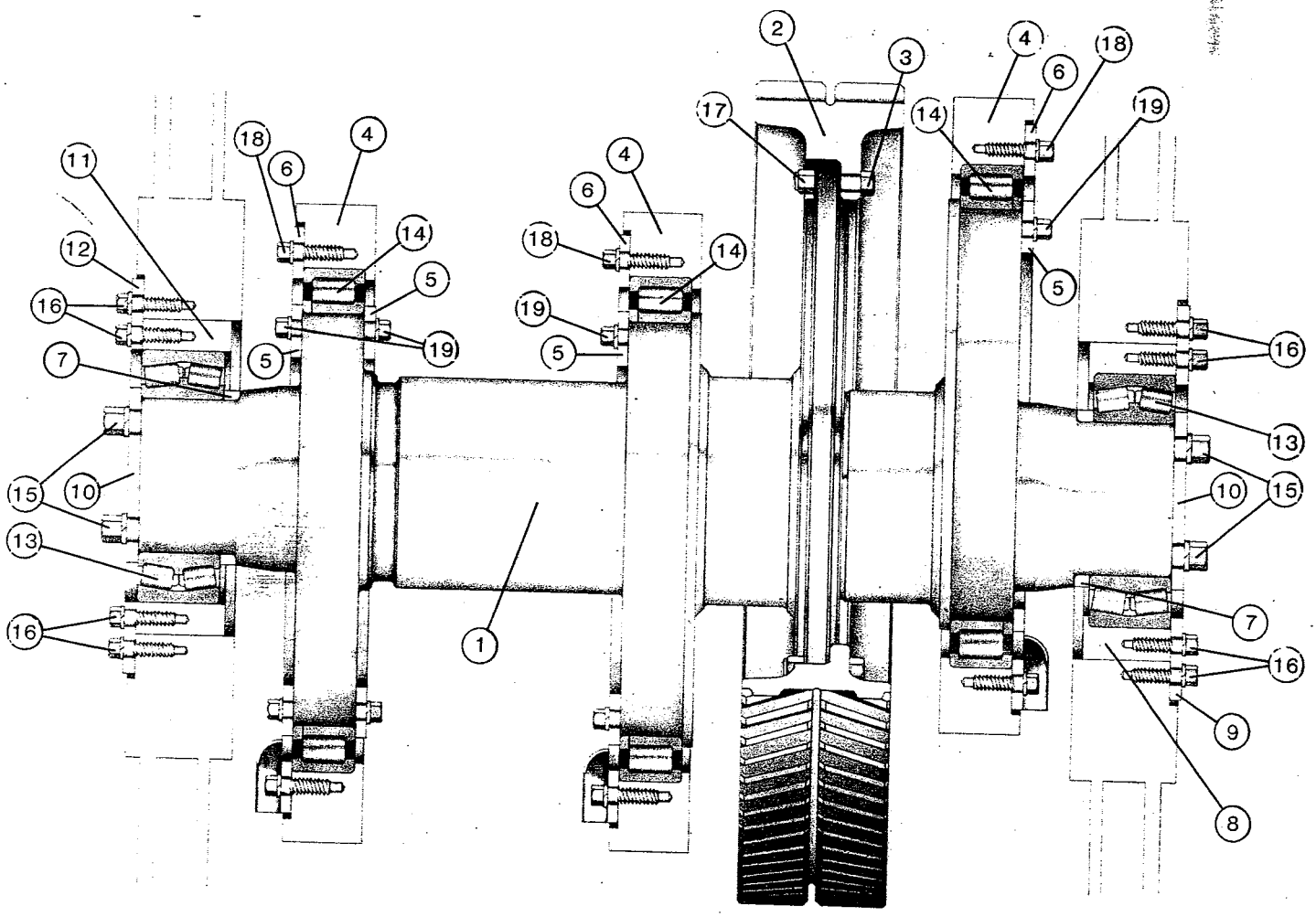
* UNITS IN LBS.



PARTS LIST FOR
CRANKSHAFT ASSEMBLY

ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-100-01	5596	CRANKSHAFT	1
2	551-200-01	1593	BULL GEAR	1
3	551-100-13		1½" DIA. GEAR BOLT	16
4	551-200-02	1368	CONNECTING ROD	3
5	551-100-05	104	INTERNAL RETAINING RING	4
6	551-200-03	70	EXTERNAL RETAINING RING	3
7	551-200-04	16	SPACER	2
8	551-200-05	238	FIXED BEARING CARRIAGE	1
9	551-200-06	56	MAIN BEARING RETAINER RING	1
10	551-100-10	21	RETAINER PLATE	2
11	551-200-07	228	FLOATING BEARING CARRIAGE	1
12	551-200-08	47	FLOATING BEARING RETAINER RING	1
13	IB-1331	384	MAIN BEARING	2
14	IB-672	411	ECCENTRIC BEARING	3
15	CJ-22		1" N.C. HEX HEAD BOLT 2¼" LG. W/LOCK WASHER	8
16	CH-22		¾" N.C. HEX HEAD BOLT 2¼" LG. W/LOCK WASHER	32
17	IN-418		1½" HVY. INDUSTRIAL HEX ELASTIC STOP NUT	16
18	CH-22		¾" N.C. HEX HEAD BOLT 2¼" LG. W/LOCK WASHER	24
19	CH-30		¾" N.C. HEX HEAD BOLT 3" LG. W/LOCK WASHER	32
			1/16" DIA. WIRE (LENGTH AS REQ'D.)	

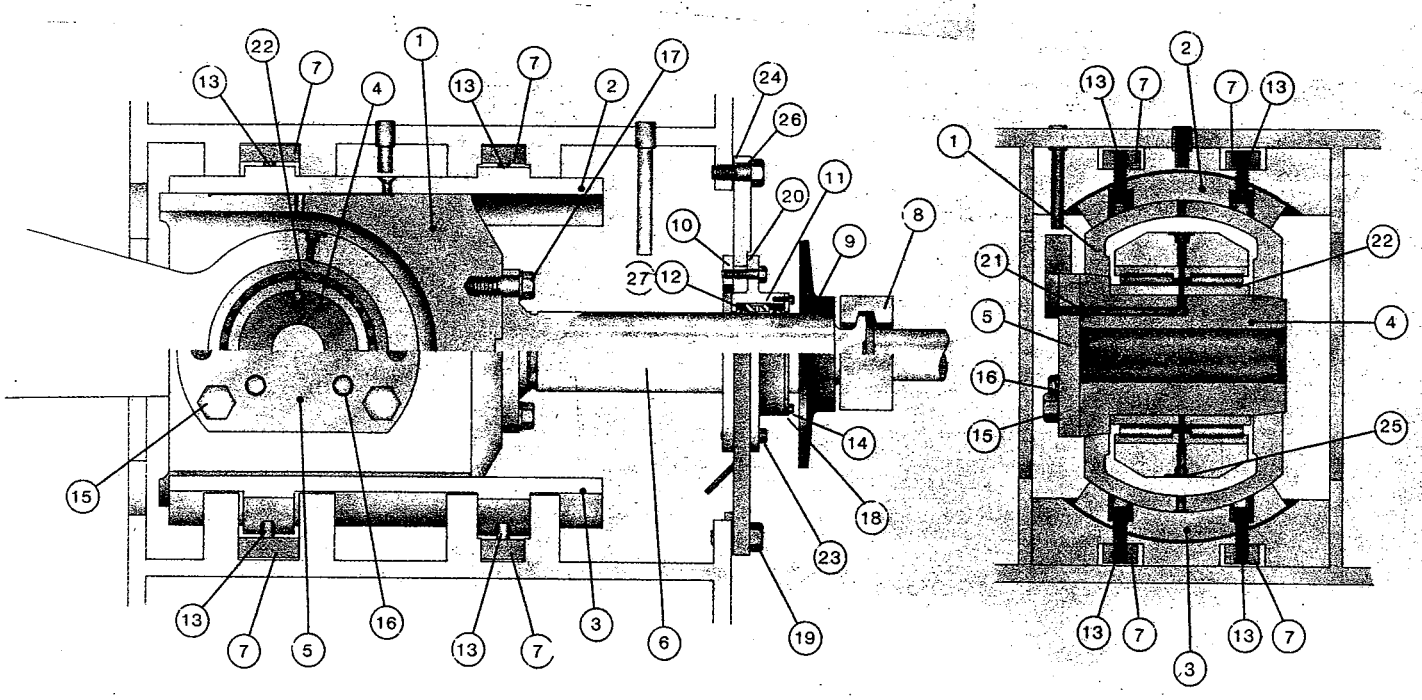
APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 14,900 LBS.
* UNITS IN LBS.



PARTS LIST FOR
CROSSHEAD ASSEMBLY

ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-106-01	748	CROSSHEAD	3
2	551-106-30	151	UPPER CROSSHEAD GUIDE	3
3	551-106-30	154	LOWER CROSSHEAD GUIDE	3
4	551-106-04	170	WRIST PIN	3
5	551-106-05	63	WRIST PIN RETAINER PLATE	3
6	551-106-06	145	EXTENSION ROD	3
7	551-106-07	4	TAP PAD	24
8	551-106-08	33	CLAMP	3
9	450-06-12	3	MUD BAFFLE DISC.	3
10	551-106-15	18	TAPPED RETAINER RING	3
11	551-106-13	31	STRIPPER BOX	3
12	IP-804	2	STRIPPER BOX PACKING	3
13			¾" SOCKET HEAD BOLT 2½" LG. W/LOCK WASHER	24
14			½" HEX HEAD BOLT 1½" LG. W/LOCK WASHER	18
15	CL-36		1¼" N. C. HEX HEAD BOLT 3¾" LG. W/LOCK WASHER	12
16	CH-30		¾" N.C. HEX HEAD BOLT 3" LG. W/LOCK WASHER	12
17	CJ-26		1 N.C. HEX HEAD BOLT 2¾" LONG W/LOCK WASHER	12
18	551-106-14	2	RETAINER PLATE	3
19	IC-1907		⅝" N.C. HEX HEAD SELF-LOCKING BOLT 2" LG. W/IG-230 COPPER WASHER	24
20			11½" ID X 12¾" OD X ⅛" GASKET	3
21	324-HXA		O-RING	3
22	IB-671	100	CROSSHEAD BEARING	3
23	IC-1911		⅞" N.C. HEX HEAD SELF-LOCKING BOLT 2¾" LG. W/IG-232 COPPER WASHER	18
24	551-102-05		SUPPORT PLATE GASKET	3
25			¼" NPT SQUARE HEAD PIPE PLUG	3
26	551-104-16	102	CROSSHEAD WIPER SUPPORT PLATE	3
27	551-106-12	3	LANTERN RING	3
28	551-106-18		LOWER GUIDE SHIM PACK 1/16" DIA. WIRE (LENGTH AS REQ'D.)	3

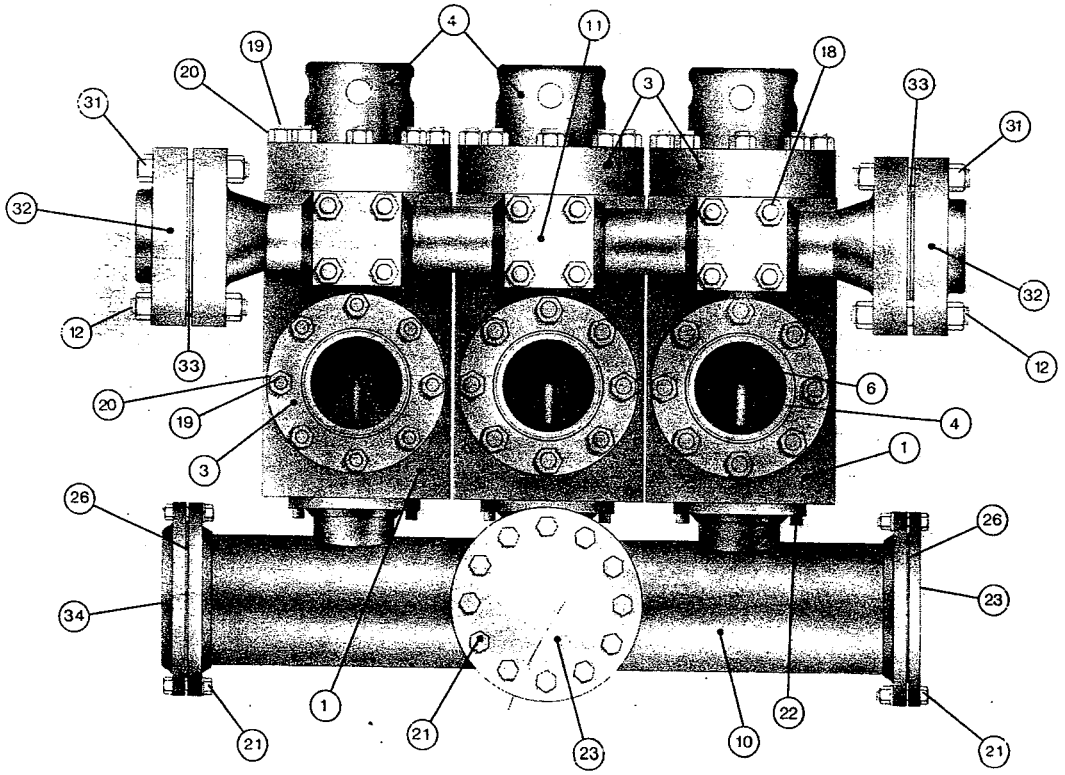
APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 4950 LBS.
* UNITS IN LBS.

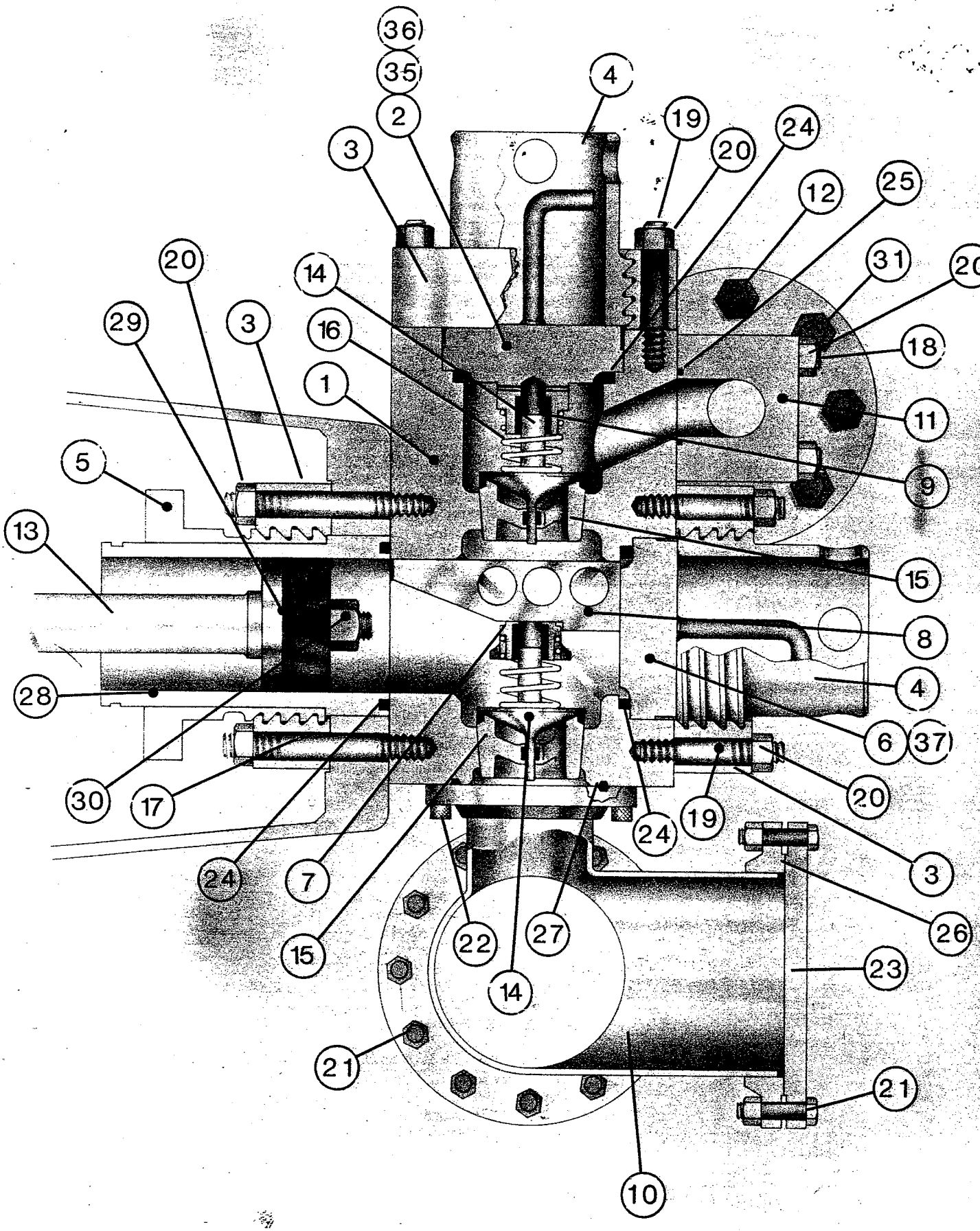


PARTS LIST FOR
FLUID END ASSEMBLY

ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-122-01	2248	FLUID END BLOCK	3
2	551-122-02	57	CYLINDER HEAD PLUG (TOP)	3
3	551-105-03	233	THREADED RING	9
4	551-105-04	172	THREADED PLUG RETAINER	6
5	551-105-05	116	THREADED LINER RETAINER	3
6	551-122-02	57	CYLINDER HEAD PLUG	3
7	551-105-07	5	LOWER VALVE GUIDE	3
8	551-105-08	10	LOWER VALVE GUIDE RETAINER	3
9	551-105-09		VALVE GUIDE INSERT	6
10	551-105-10	721	SUCTION MANIFOLD	1
11	551-105-11	392	DISCHARGE MANIFOLD	1
12	551-105-14		FLANGE STUD	16
13	551-105-13	41	PISTON ROD	3
14		5	API NO. #7 VALVE	6
15		5	API NO. #7 VALVE SEAT	6
16			API NO. #7 VALVE SPRING	6
17	551-110-01	5	STUD	24
18	551-110-02	5	STUD	12
19	551-110-03	5	STUD	48
20	IN-415		NUT	104
21			⅞" DIA N. C. HEX HEAD BOLT 4" LG. W/HEX NUT AND LOCK WASHER	36
22	IC-1872		¾" DIA. HEX SOCKET HEAD BOLT 2½" LG. W/LOCK WASHER	24
23	IF-334	110	12" - 150# R.F. BLIND FLANGE	2
24	BMT-1669-63-08		PLUG & LINER SEAL	9
25	IO-548		HEADER SEAL	3
26	IG-271		⅛" NEOPRENE GASKET	3
27	IO-507		O-RING	3
28	551-112		FLUID END LINER	3
29		5	PISTON	3
30	IN-426		1½" ELASTIC STOP NUT	3
31	IN-416		NUT	12
32	IF-332	130	5" A.S.A. 1500# R.J. SCREWED FLANGE	2
33	IG-258		RING JOINT GASKET R-44	2
34	IF-335	64	12" - 150# R.F. THREADED FLANGE	1
35	551-105-06	10	UPPER VALVE GUIDE	3
36	IC-1873		⅝" DIA. N.C. HEX HEAD STAINLESS BOLT 1½" LG. W/LOCK WASHER	12
37			⅝" DIA. N.C. HEX HEAD BOLT 1" LG. W/LOCK WASHER	12

APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 12800 LBS.
* UNITS IN LBS.



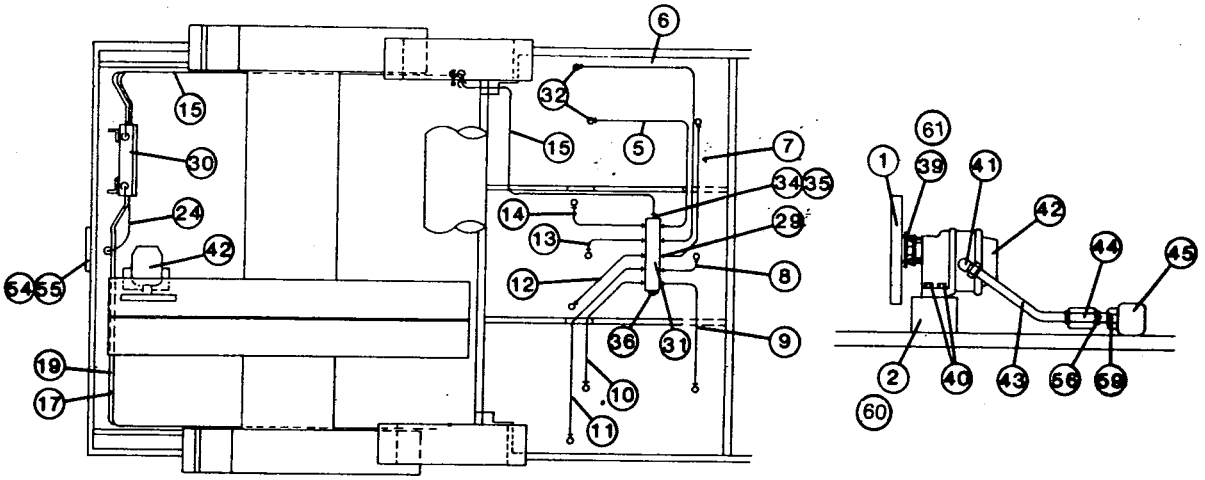

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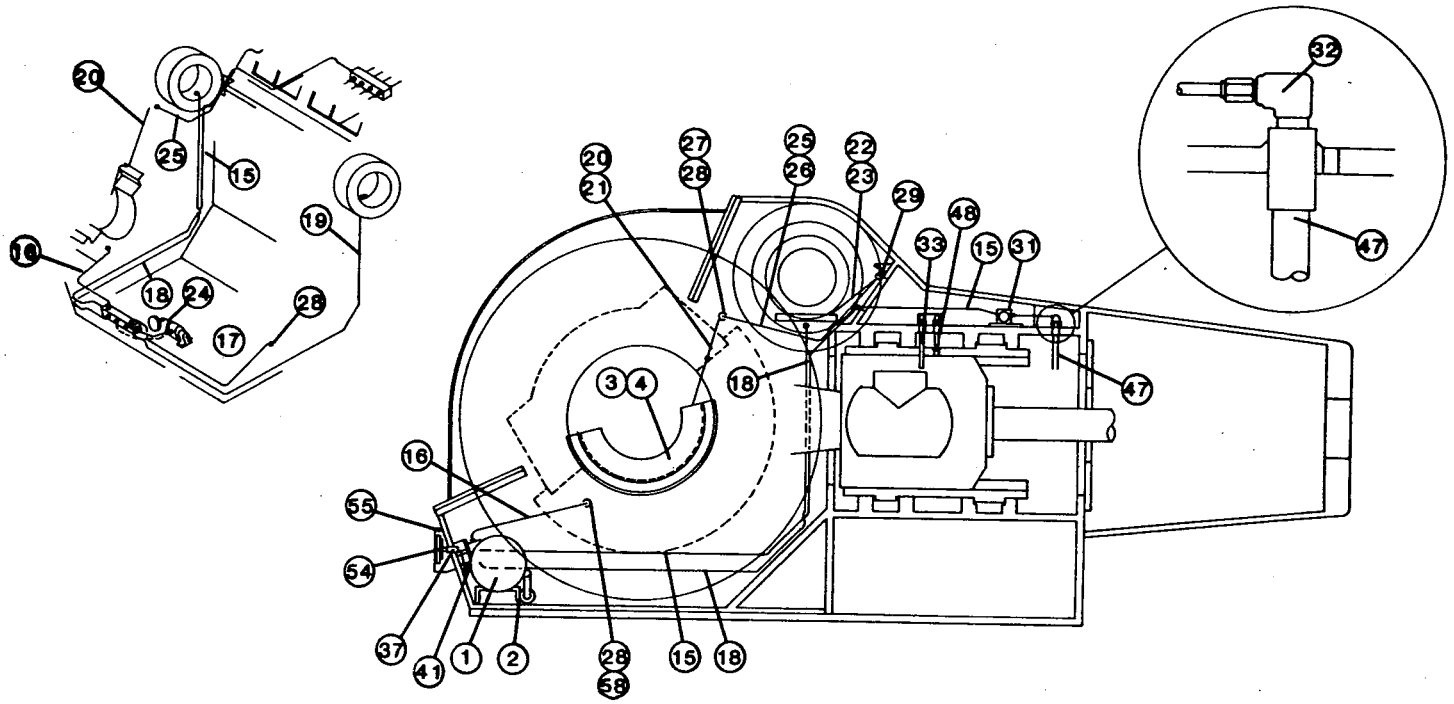
PARTS LIST FOR
LUBRICATION ASSEMBLY

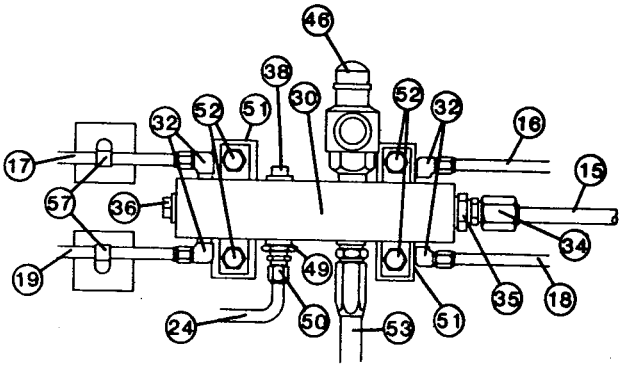
ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-108-01	12	PUMP DRIVE GEAR	1
2	551-108-03	10	LUBRICATION PUMP BASE	1
3	551-108-02	10	OIL CUP	2
4	551-108-19		OIL CUP GASKET	2
5			⅜" COPPER LUBRICATION TUBE	1
6			⅜" COPPER LUBRICATION TUBE	1
7			⅜" COPPER LUBRICATION TUBE	1
8			⅜" COPPER LUBRICATION TUBE	1
9			⅜" COPPER LUBRICATION TUBE	1
10			⅜" COPPER LUBRICATION TUBE	1
11			⅜" COPPER LUBRICATION TUBE	1
12			⅜" COPPER LUBRICATION TUBE	1
13			⅜" COPPER LUBRICATION TUBE	1
14			⅜" COPPER LUBRICATION TUBE	1
15			½" COPPER LUBRICATION TUBE	1
16			⅜" COPPER LUBRICATION TUBE	1
17			⅜" COPPER LUBRICATION TUBE	1
18			⅜" COPPER LUBRICATION TUBE	1
19			⅜" COPPER LUBRICATION TUBE	1
20			⅜" COPPER LUBRICATION TUBE	1
21			⅜" COPPER LUBRICATION TUBE	1
22			⅜" COPPER LUBRICATION TUBE	1
23			⅜" COPPER LUBRICATION TUBE	1
24			⅜" COPPER LUBRICATION TUBE	1
25			⅜" COPPER LUBRICATION TUBE	1
26			⅜" COPPER LUBRICATION TUBE	1
27			⅜" X 3000# COUPLING	2
28			⅜" TUBE TO ⅜" PIPE 90° ELBOW	6
29			⅜" TUBE TO ¼" PIPE (STRAIGHT CONNECTOR)	14
30	551-108-05	10	MANIFOLD (GEAR CASE)	1
31	551-108-04	10	MANIFOLD (OIL PLATE)	1
32			⅜" TUBE TO ¼" PIPE 90° ELBOW	15
33			¼" X 4½" LONG (THREAD ONE END)	4
34			½" TUBE TO ½" PIPE (STRAIGHT CONNECTOR)	2
35			½" NPT TO ¾" NPT BUSHING	2
36			¾" NPT PLUG	2
37			¼" X 3000# COUPLING	1
38			½" NPT PLUG	1
39	IH-269	4	Q.D. HUB J.B. W/⅝" BORE 3/16" X 3/32" KEYWAY	1
40			⅜" NC X 1¼" LONG HEX HEAD BOLT W/LOCK WASHER	4
41			½" STANDARD STREET ELBOW	2
42	IP-424		OIL PUMP B & S #2	1
43			½" PIPE 3½" LONG (THREAD BOTH ENDS)	1
44			½" STANDARD 45° SCREWED ELBOW	1
45	IF-244	4	STRAINER	1
46	IV-118	3	RELIEF VALVE	1
47			¼" PIPE X 4½" LONG (THREAD ONE END)	3
48			¼" PIPE X 2" LONG (THREAD ONE END)	3
49			⅜" NPT TO ½" NPT BUSHING	1
50			⅜" TUBE TO ⅜" PIPE (STRAIGHT CONNECTOR)	1
51	450-08-17		TAP PAD	4
52			½" NC X 1" LONG HEX HEAD BOLT W/LOCK WASHER	8
53	IH-404-18		½" HOSE ASSEMBLY	1
54	IG-325	2	OIL GAUGE (0# TO 60#)	1
55	415-54-05	4	GUARD	1
56			½" PIPE X 18" LONG (THREADED BOTH ENDS)	1
57			CONDUIT CLIP	40
58			⅜" PIPE PLUG	2
59			½" TO ¾" NPT BUSHING	1
60			½" N. C. X 1" LONG, HEX HEAD BOLT W/LOCK WASHER	4
61	SKB-010		3/16" SQUARE KEY X 1" LONG	1

APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 175 LBS.

* UNITS IN LBS.


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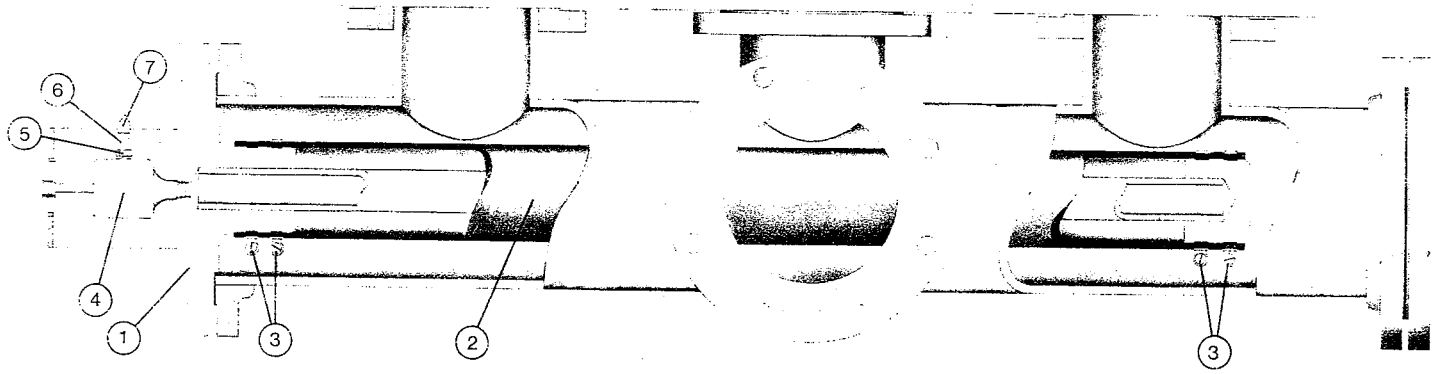

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PARTS LIST FOR
SUCTION DESURGER ASSEMBLY

ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	555-113-01	211	BODY	1
2	IH-419	4	HOSE	1
3			HOSE CLAMP	4
4	IA-594	1	ANGLE VALVE	1
5			½" X ⅛" N.P.T. BUSHING	1
6	IA-595		TANK VALVE	1
7	IC-1874		VALVE STEM CAP	1

APPROXIMATE FINISHED WEIGHT OF ASSEMBLY = 220 LBS.

* UNITS IN LBS.

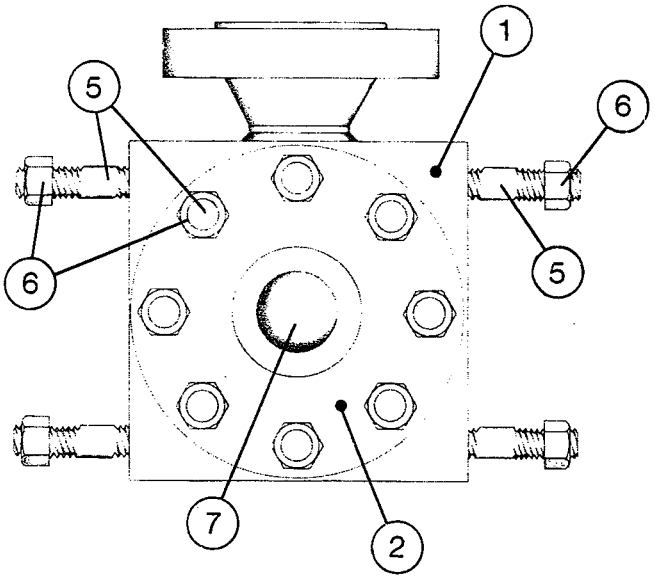


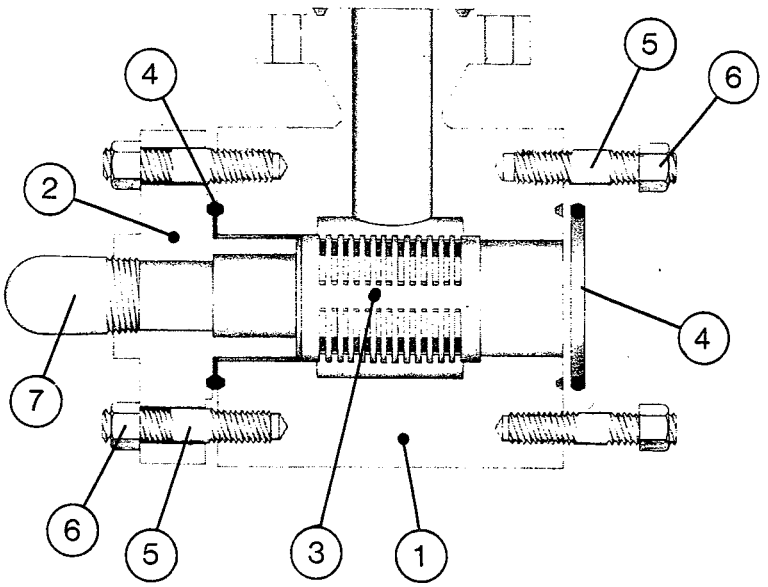
PARTS LIST FOR
STRAINER ASSEMBLY

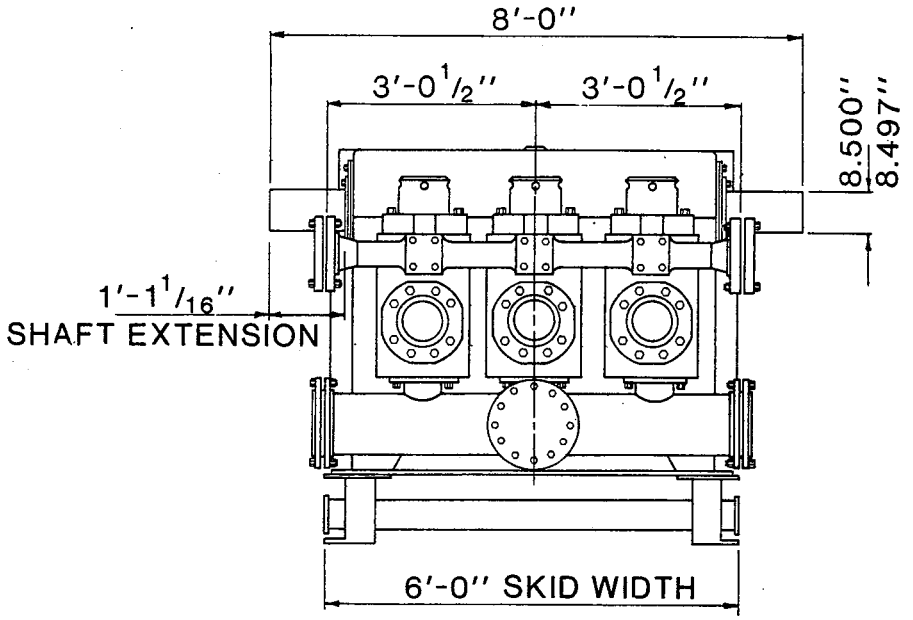
ITEM NO.	PART NO.	WT. EACH*	DESCRIPTION	QTY.
1	551-109-01	826	STRAINER BODY	1
2	551-109-02	132	FLANGE	1
3	551-109-04	9	STRAINER	1
4	IG-258		RING JOINT GASKET R-44	2
5	551-109-03	4	1½" DIA. STUD	32
6		1.5	1½" HEAVY NUT 8 U.N.-CLASS 3	32
7		7	3" X 5000 P.S.I. BULL PLUG	1

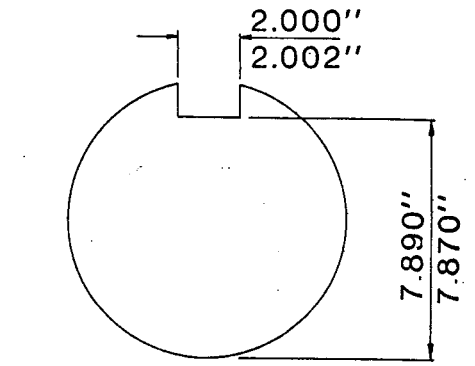
APPROXIMATE FINISHED WT. OF ASSEMBLY = 1150 LBS.

* UNITS IN LBS.









PINION SHAFT SECTION

