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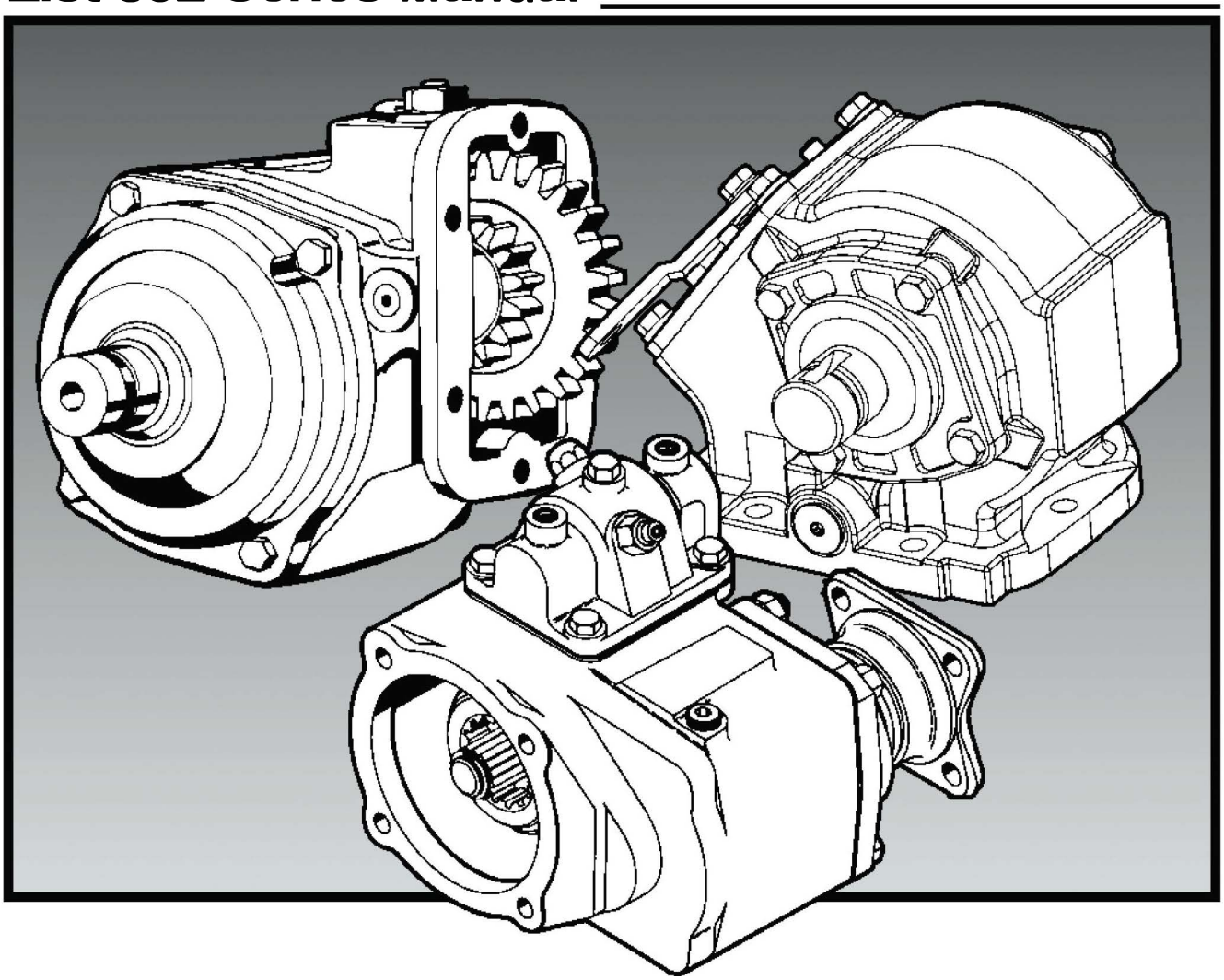
Bulletin HY25-2852-M1/US

CHELSEA®

Replacement Parts List 852 Series Manual

Effective: December 15, 2001
Supersedes: P410-852 Dated August 1996



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⚠ WARNING

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Chelsea Products Division
Olive Branch, MS 38654 USA

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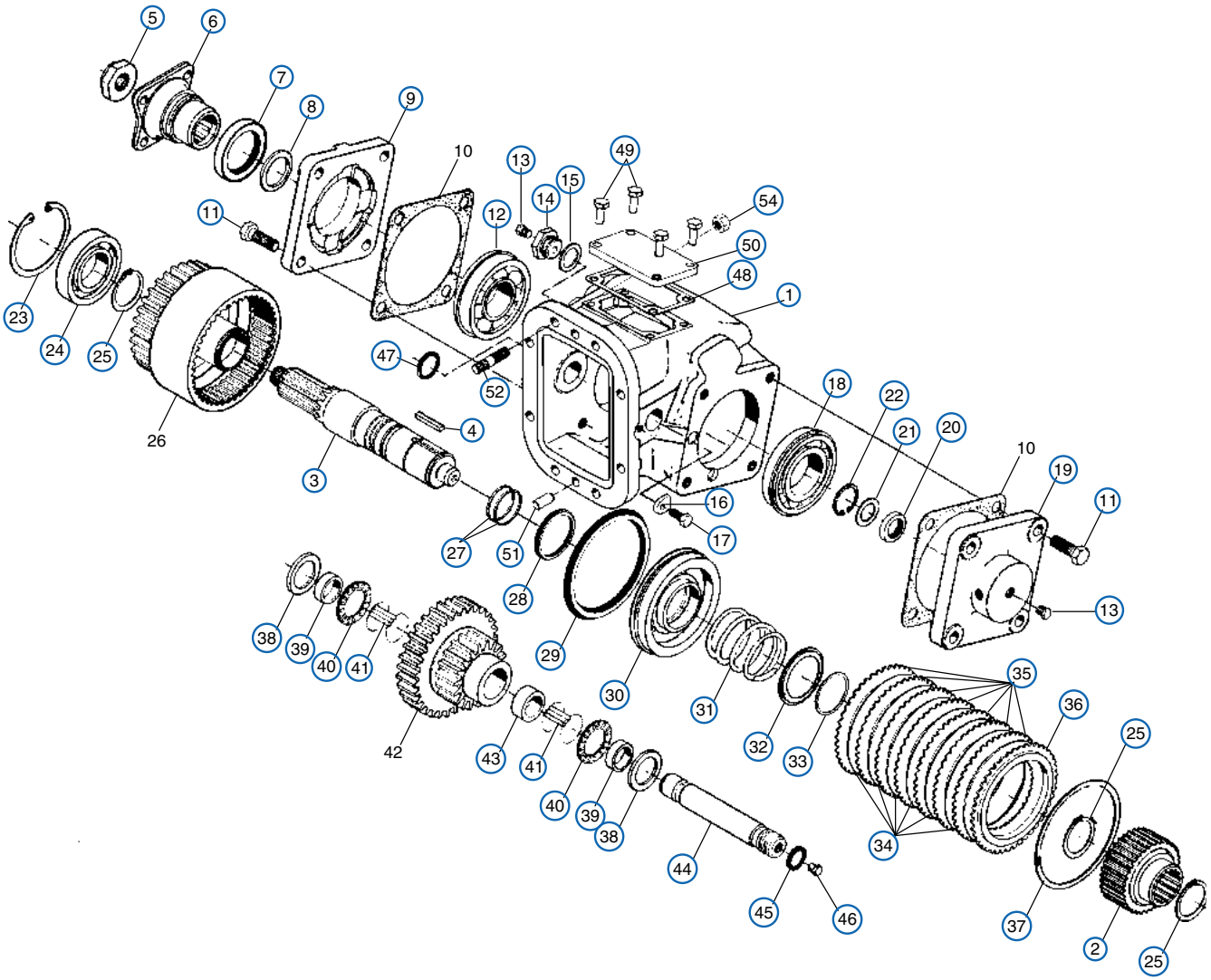

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Item		Part Number	Description	Quantity
1	▶	1-P-452	Housing, Assembly 4	1
	▶	1-P-451	Housing, Assembly 6	1
2	▶	2-P-557	Gear, Internal Drive	1
3	▶	3-P-756	Driveshaft, Standard (Assembly 4 & 6)	1
4	▶	379099	Drive Key (.187" x .25" x 1.5")	1
5		378382	Nut, Hex (.875"-14 UNF-3B-Standard Shaft)	1
6		3-1-3431	Companion Flange, Standard Shaft	1
7	▶	28-P-211	Oil Seal, Standard Shaft Only	1
8	▶	4-P-76	Spacer, Driveshaft (Standard Shaft Only)	1
9	▶	21-P-75	Bearing Cover, Open Standard Shaft	1
10		22-P-25-2	Gasket, Bearing Cover	2
11	▶	378433-14	Capscrew, Hex Head (.312"-18 x .750")	8
12	▶	550055	Ball Bearing	1
13	▶	379231	Plug, Pipe (.125"-27 NPTF)	3
14		378329	Plug, Inspection	1
15		378037	Gasket, Inspection Plug	1
16	▶	27-P-9	Retaining Plate	1
17	▶	378430-8	Capscrew, Hex Head (.312"-18 x .750")	1
18		550038	Ball Bearing	1
	▶	328835X	Bearing Cap & Seal Sub-assembly (Includes Items 19-22)	1
19	▶	21-P-377	Bearing Cap	1
20	▶	28-P-119	Oil Seal	1
21	▶	378811	Back-up Plate	1
22	▶	378849	Retaining Ring	1
23	▶	378263	Lockring	1
24	▶	550749	Ball Bearing	1
25	▶	378477	Lockring, Standard Shaft	3
26		See Chart Pg. 3	Spider Gear Assembly	1
27	▶	379328	Rings, Piston	2
28	▶	28-P-63	Ring, Block Vee	1
29	▶	28-P-64	Ring, Block Vee	1
	▶	328114X	Piston Assembly (Includes Piston and 2 Balls)	1
30	▶	66-P-3	Piston	1
N.S.		500566-7	Ball	2
31	▶	37-P-24	Spring	1
32	▶	378426	Retainer, Spring	1
33	▶	378427	Lockring	1
34	▶	378254	Clutch Disc	7
35		379488	Clutch Disc, Opposing	8
36	▶	378337	Spacer, Clutch Stop	1
37	▶	378266	Lockring	1
38	▶	31-P-90	Thrust Race	4
39	▶	14-P-48	Spacer, Needle Bearing	2
40	▶	378769	Thrust Bearing	2
41	▶	378389	Needle Bearing	42
42		See Chart Pg. 3	Gear, Input Cluster	1
43	▶	14-P-27	Spacer, Needle Bearing	1
44	▶	9-P-37	Shaft, Idler	1
45	▶	28-P-240	O-Ring	1
46	▶	379231	Plug, Pipe (.125"-27 NPTF)	3
47	▶	28-P-58	O-Ring	1
48	▶	35-P-93	Gasket	1
49	▶	378429-6	Capscrew	4
50	▶	34-P-133	Cover Plate	1

N.S. — Not Shown

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Item		Part Number	Description	Quantity
			LOOSE PARTS	
N.S.		**328170-8X**	P.T.O. STUD MOUNTING KIT (Includes Items 51-54)	1
51	▶	**378054**	Dowel Pin	2
52	▶	**379424-21**	Mounting Stud	8
54		**379794**	Flange Nut (.437"-20)	8
N.S.		**328948-17X**	GASKET & INSTALLATION INSTRUCTIONS	1
N.S.		**35-P-15-1**	Mounting Gasket (.010" thick)	1
N.S.		**35-P-15-2**	Mounting Gasket (.020" thick)	1
N.S.		**328075X**	PRESSURE LUBE HOSE	1
			SERVICE KITS	
N.S.		**328356-11X**	GASKET & SEAL KIT	1
N.S.		**328297-3X**	NEEDLE BEARING SERVICE KIT (Includes 2 sets-21 per set)	1
N.S.		**328368-2X**	NEEDLE BEARING KIT	1
	▶	**14-P-27**	Spacer	1
	▶	**14-P-48**	Spacer	2
	▶	**378389**	Needle Bearings	42
N.S.		**329071-31X**	CLUTCH REPAIR KIT	
	▶	**378254**	Clutch Disc	7
	▶	**378266**	Lockring	1
	▶	**378337**	Spacer, Clutch Stop	1
		379488	Clutch Disc, Opposing	8

N.S. — Not Shown

Gear Chart

P.T.O. Model No.	Large Cluster			Small Cluster	Spider Gear	
	Input Gear Part No. (Item 42)	No. Teeth	Helix Angle	No. Teeth	Spider Gear Ass'y (Item 26)	No. Teeth
852*BAK	5-P-296	32	Spur	18	328115X	32
852*GAK	5-P-297	32	Spur	21	328112X	29
852*JAK	5-P-295	32	Spur	23	328116X	27

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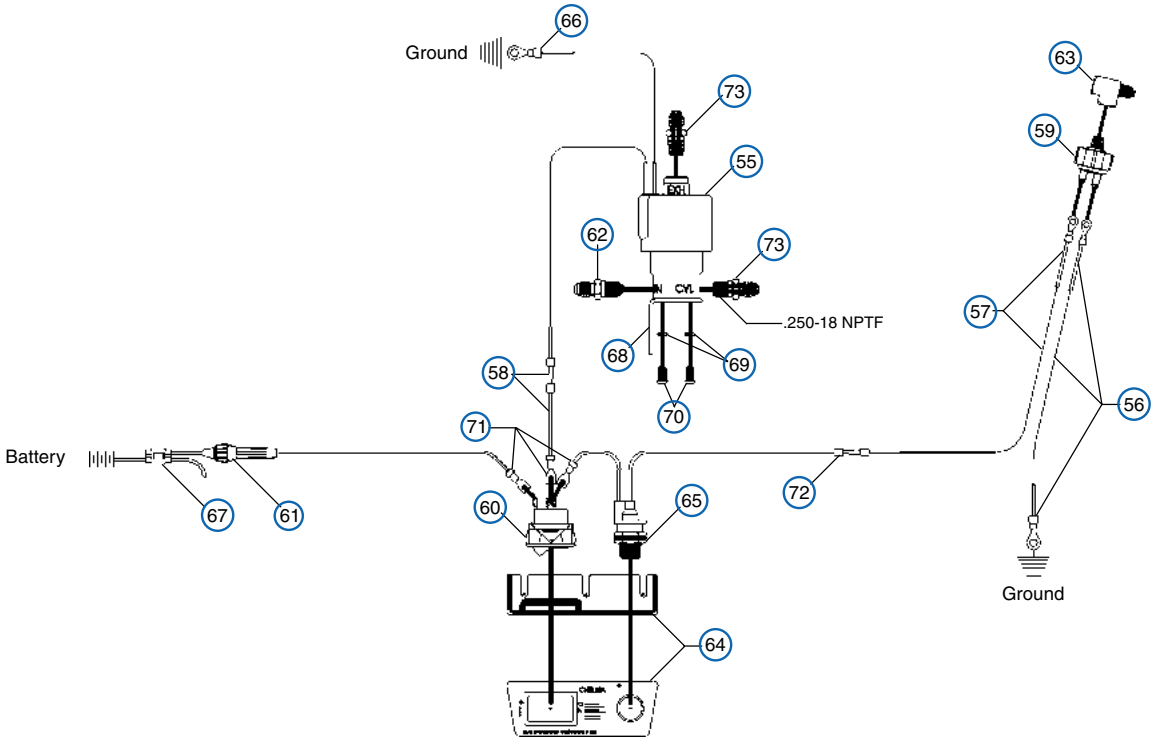

Item		Part Number	Description	Quantity
	▶	328715X	SHIFT INSTALLATION KIT, 12V (Includes Items 55 thru 73)	1
	▶	328749X	SHIFT INSTALLATION KIT, 24V (Includes Items 55 thru 73)	1
55		379193-1	Solenoid Valve, 12V for 328715X Kit	1
	▶	379193-2	Solenoid Valve, 24V for 328749X Kit	1
56	▶	379254-14	Wire, Black with Two Ring Connectors	1
57	▶	379254-13	Wire, Blue with One Ring Connector	1
58	▶	379254-3	Wire, Green with One Butt Connector	1
	▶	328963X	PARTS BAG, 12V Kit (328715X) (Includes Items 59 thru 73)	1
	▶	328964X	PARTS BAG, 24V Kit (328749X) (Includes Items 59 thru 73)	1
59		379547	Switch, Pressure	1
60		378881	Switch, Rocker	1
61	▶	378884	Fuse Holder, 9 Amp	1
62	▶	379449	Adaptor, Screened (.125"-18 N.P.T.)	1
63	▶	378966	Street Tee, Screened	1
64	▶	379336	Bracket	1
65	▶	378978	Indicator Light, 12V (Kits 328963X & 328715X)	1
		379005	Indicator Light, 24V (Kits 328964X & 328749X)	1
66	▶	379253	Connector, Ring	2
N.S.		379061	Wire Ties	6
67	▶	379257	Connector, Splice	1
68	▶	379258	Bracket, Solenoid Mounting	1
69	▶	500357-7	Lockwasher (.188 I.D.)	2
70	▶	500457-6	Screw, Mounting (.190"-32 x .438")	2
71	▶	379306	Connector, Fork	3
72	▶	379252	Connector, Butt	1
73	▶	379280	Adaptor Fitting	2

N.S. — Not Shown A.R. — As Required

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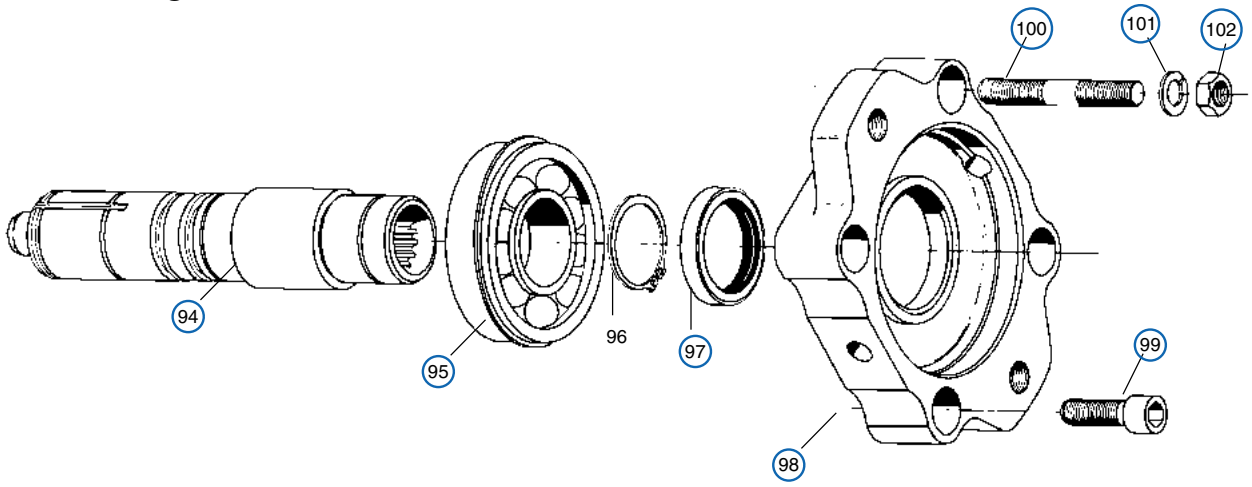
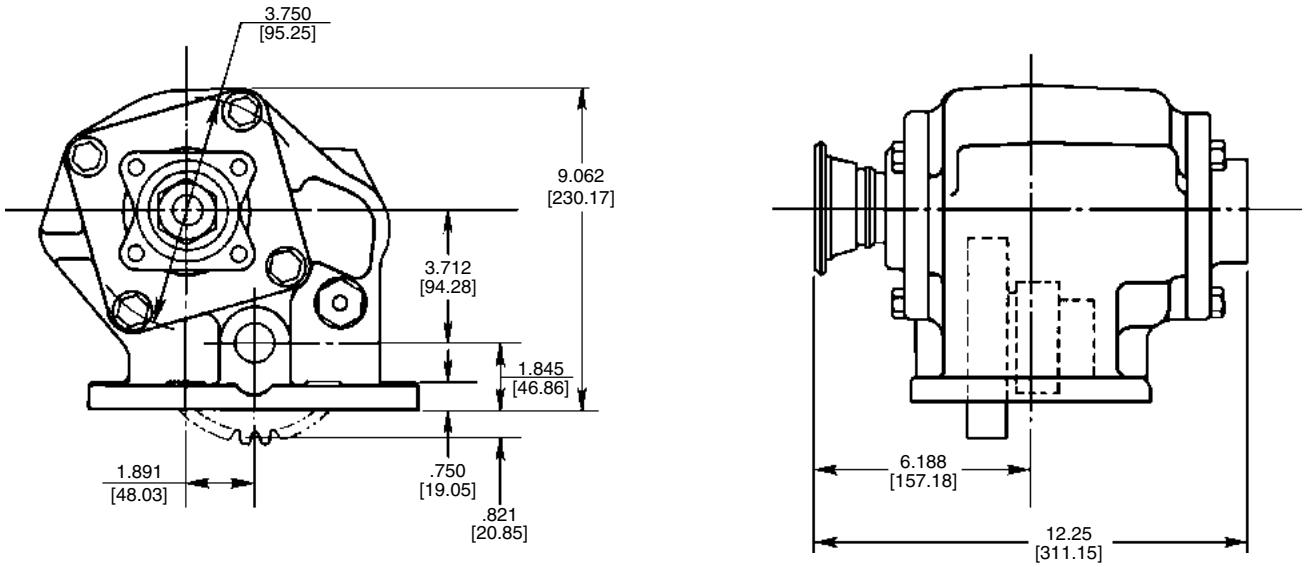
"S" & "U" Pump Flange Assembly
Class "C" Flange 2-4 Bolt



Item	Part Number	Description	Quantity
94 ▶	3-P-758	Pump Shaft, 4 & 6 Assembly	1
95 ▶	550055	Bearing	1
96	378447	Lockring	1
97 ▶	28-P-212	Oil Seal	1
98 ▶	21-P-383	Pump Flange, 4 & 6 Assembly ("S"-"U")	1
99 ▶	378450-8	Capscrew, Socket Head (.50"-13 x 1.50") (Assembly "U" Only)	4
100 ▶	379442	Mounting Stud (.50" Dia.) Self Locking, (Assembly "S" Only)	4
101 ▶	500356-13	Lockwasher (.50" Dia.) (Assembly "S" Only)	4
102 ▶	500381-5	Nut, Hex (.50"-20) (Assembly "S" Only)	4

Case Dimensions



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852 X B AK P – B 4 XV

Basic Model
852

Mounting Type
X = Standard Mounting

Gear Ratio
B = .423:1
G = .543:1
J = .641:1

Input Gear Designator

Lubrication
P = Pressure Lube (Standard)

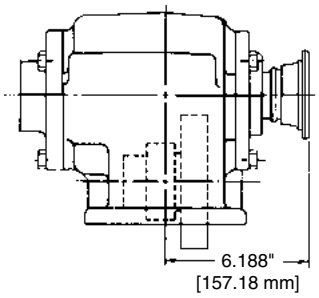
Output Type
XV = 1410 Flange
XS = S.A.E. “C” 4 Bolt
XU = S.A.E. “C” 2 Bolt

Assembly Arrangement
4, 6

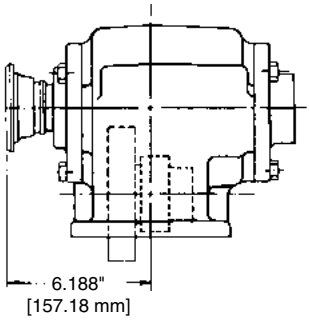
Shifter Type
B = 12 Volt Hydraulic Valve
D = 24 Volt Hydraulic Valve
F = No Valve

Assembly Arrangements

Assembly 4



Assembly 6



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Notes

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2. Payment: Payment shall be made by Buyer net 30 days from the date of delivery of the items purchased hereunder. Amounts not timely paid shall bear interest at the maximum rate permitted by law for each month or portion thereof that the Buyer is late in making payment. Any claims by Buyer for omissions or shortages in a shipment shall be waived unless Seller receives notice thereof within 30 days after Buyer's receipt of the shipment.

3. Delivery: Unless otherwise provided on the face hereof, delivery shall be made F.O.B. Seller's plant. Regardless of the method of delivery, however, risk of loss shall pass to Buyer upon Seller's delivery to a carrier. Any delivery dates shown are approximate only and Seller shall have no liability for any delays in delivery.

4. Warranty: Seller warrants that the items sold hereunder shall be free from defects in material or workmanship for a period of:

(A) All Power Take-Off units one (1) year from date of installation.

(B) Except 267, 277, 278, 242, 244, 245, 250, 251 and 859 series two (2) years from date of installation.

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7. Special Tooling: A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture items sold pursuant to this contract. Such special tooling shall be and remain Seller's property notwithstanding payment of any charges by Buyer. In no event will Buyer acquire any interest in apparatus belonging to Seller which is utilized in the manufacture of the items sold hereunder, even if such apparatus has been specially converted or adapted for such manufacture and notwithstanding any charges paid by Buyer. Unless otherwise agreed, Seller shall have the right to alter, discard or otherwise dispose of any special tooling or other property in its sole discretion at any time.

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If a claim is based on information provided by Buyer or if the design for an item delivered hereunder is specified in whole or in part by Buyer, Buyer shall defend and indemnify Seller for all costs, expenses or judgments resulting from any claim that such item infringes any patent, trademark, copyright, trade dress, trade secret or any similar right.

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