

Chelsea PTO 863 Parts Manual

Pro Gear and Transmission presents Chelsea 863 Series PTO parts manual to assist in identifying the parts for your Chelsea Power Take Off unit.

If you need any assistance identifying the correct Power Take Off unit for your truck and equipment, contact your Chelsea replacement part specialists at Pro Gear and Transmission.

Pro Gear stocks every part for your Parker Chelsea PTO including: PTO housings, mounts, driveshafts, gears, bearings, gaskets, cable shift cover assembly, post and plate assembly, brackets, stud kits, seal kits, lever control assembly, air shift cover assembly, direct mount pump conversion kits, stud kits including English and metric references, CAT D&H parts and much more.

Pro Gear Transmission has same day shipping and 1000's of products in stock and ready to ship internationally for your next project.

For parts or service contact the Chelsea specialists at Pro Gear & Transmission, Inc.

1 (877) 776-4600 (407) 872-1901 parts@eprogear.com

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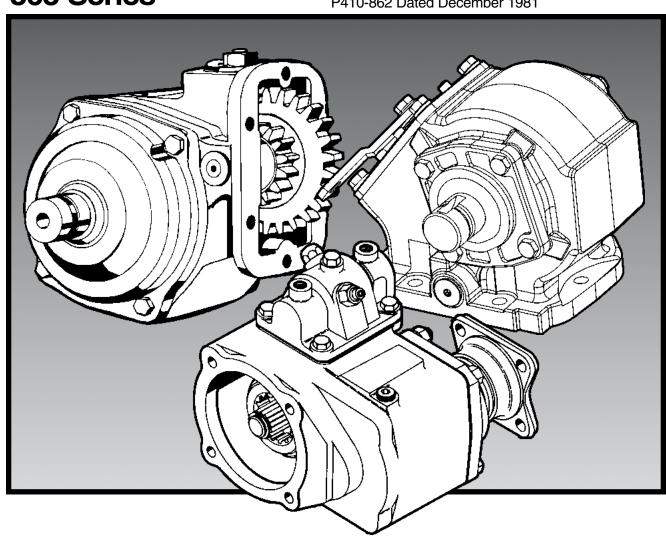
CLICK TO RETURN TO SITE

CHELSEA® **Parts List** 863 Series

Bulletin HY25-2863-M1/US

February 15, 2002 Supersedes: Effective:

P410-862 Dated December 1981







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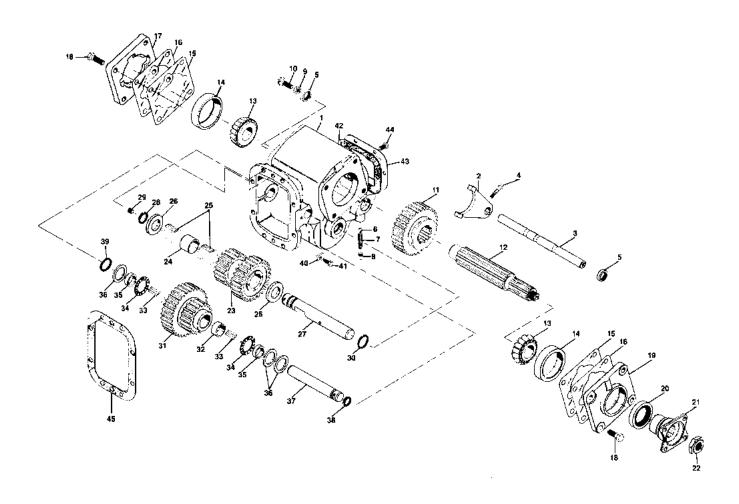
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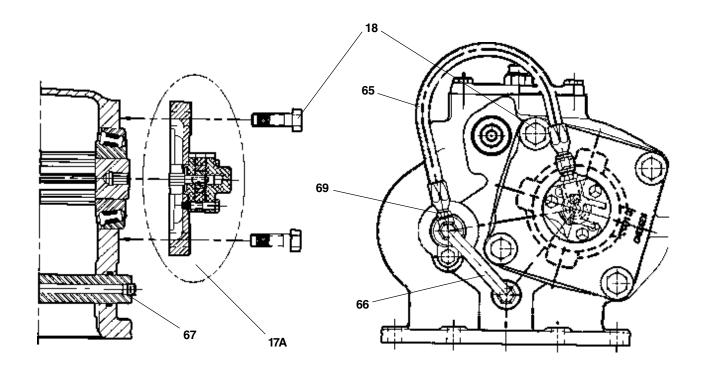
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tem	Part Number	Description	Quantity
1	1-P-134	Housing	1
2	32-P-122	Shifter Fork	1
3	11-P-137	Shifter Shaft	
4	378916	Screw, Hex Head (.375" - 24 X 1.375" With Patch)	
5	28-P-218	Oil Seal	
6	378002	Shifter Ball	
7	37-P-51	Shifter Spring	
8	38-P-8	Spring Cap (.50"-20)	
9	500381-3	Jam Nut, Hex Head (.375" -24)	1
10	36-P-1	Eye Bolt (.375" -24)	1
11	2-P-312	Gear, Output	
12	3-P-359	Drive Shaft, Output	
'-	3-P-867	Drive Shaft (Self Lube "LG")	
10		,	0
13	560945	Bearing Cone	
14	560946	Bearing Cup	
15	55-P-6-1	Plastic Shim (.003")	A.R
	55-P-6-2	Plastic Shim (.010")	A.R
16	55-P-19	Shim Gasket `	
17A	329105X	Lube Pump & Bearing Cap Assy ("LG") page 3	
17	21-P-66	Bearing Cap, Closed End	
18	378433-14	Screw, Hex Head (.50"-13 X 1.5")	
19	21-P-65	Bearing Cap, Output	
20	28-P-211	Oil Seal	1
21	3-1-3431	Companion Flange, 1410 Series	1
22	378382	Nut, Hex Head	
23	33-P-53	Gear, Reverse Idler	
	328368-1X	REVERSE IDLER NEEDLE BEARING SERVICE KIT (Contains Items 24-26	۱ 1
0.4			
24	14-P-28	Needle Bearing Spacer, Reverse Idler	
25	378389	Needle Bearing (Two Sets, 24 Per Set)	
26	4-P-50	Spacer	2
27	9-P-30	Shaft, Reverse Idler	1
	9-P-73	Shaft, Reverse Idler (Self Lube "LG")	
28	28-P-247	O-Ring (1.25" Outside Diameter)	1
29	500132-3	Oil Plug (.125"-27)	
-			
30 31	28-P-241 See Chart Pg. 4	O-Ring (1.5" Outside Diameter)	
	3		
	328368X	INPUT NEEDLE BEARING SERVICE KIT (Contains Items 32-33)	
32	14-P-27	Needle Bearing Spacer, Input	
33	378389	Needle Bearing (Two Sets, 21 Per Set)	42
	328678-10X	INPUT SHAFT THRUST BEARING SERVICE KIT (Contains Items 34-36)	1
34	378769	Thrust Bearing Washer	
35	14-P-51	Needle Bearing Spacer, Input	
	-		
36	31-P-55	Thrust Race	
37	9-P-28	Shaft, Input	1
	9-P-77	Shaft, Input (Self Lube "LG")	
38	28-P-240	O-Ring (1.125" Outside Diameter)	1
39	28-P-239	O-Ring (1.3125" Outside Diameter)	1
40	27-P-9	Retainer Plate	2
41	378430-8	Screw, Hex Head (.3125" - 18 X .75")	
42	35-P-59	Cover Gasket (.032")	
43	34-P-124	Cover	
44	378431-10	Screw, Hex Head (.375"-16 X .1.00")	6
		LOOSE PARTS	
45	328948-8X	8 Bolt Gasket & Installation Instructions	1
	35-P-15-2	Gasket, Housing (.020")	
N.S.	328170-8X	P.T.O. MOUNTING STUD KIT Mounting Stud Kit	1

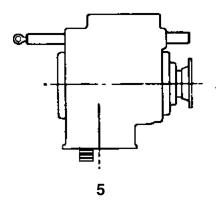


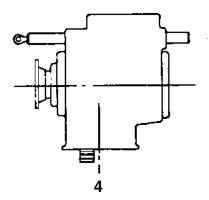
Item	Part Number	Description	Quantity
65	329092X	Pressure Lube Hose Ass'y 15" (Ship Loose)	1
66	329109X	Pressure Lube Hose Ass'y 12" (Ship Loose)	1
67	379231	Oil Plug (.125" -27 NPTF)	
69	500750-1	Street Tree (.125" -27 NPTF) (Ship Loose)	

P.T.O. Model	Input Gear	Large Cluster Number of Teeth	Small Cluster Number of Teeth	Pitch & Pressure Angle
863*AB	5-P-508	27	18	Spur
863*BAH	5-P-285	32	18	Spur
863*BAK	5-P-223	32	18	Spur
863*BAR	5-P-236	29	18	Left Hand
863*BBG	5-P-422	33	18	Left Hand
863*CR	5-P-498	26	18	Left Hand
863*DA	5-P-636	35	18	Spur

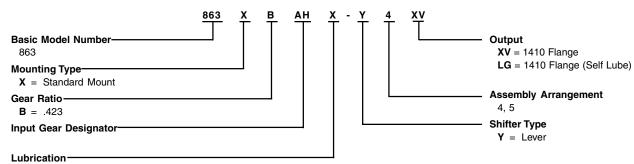
NOTE: When reinstalling the Power Take-Off on the transmission, the backlash between the Power Take-Off gear and the transmission gear should be approximately .006-012". If too few gaskets are used, the unit will whine; if too many, the unit will clatter.

Assembly Arrangements

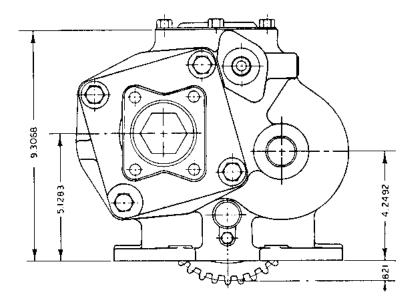




Model Number Designation



X = No Option AvailableP = Pressure Lube



Specifications

Torque Rating	500 Lbs. Ft.*
Horsepower Rating 500 RPM of Output Shaft 1000 RPM of Output Shaft	47 * 94 *
Approximate Weight	96 Lbs.

^{*} Based on Intermittent Service

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- **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.
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