

Chelsea PTO 721 Parts Manual

Pro Gear Chelsea 721 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.

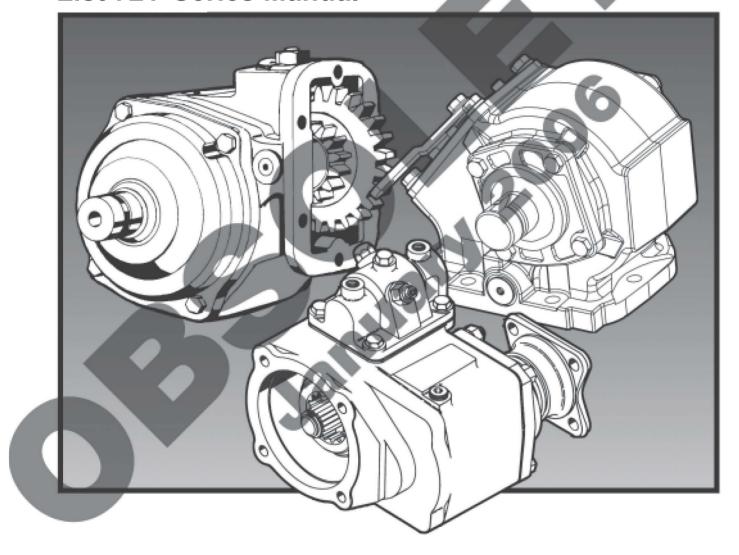
1 (877) 776-4600 (407) \$872-1901 parts@eprogear.com



CHELSEA®

Replacement Parts List 721 Series Manual

Effective: January 15, 2002 Supersedes: P410-721 Dated January 2000



Parker



FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

Offer of Sale

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the "Offer of Sale".

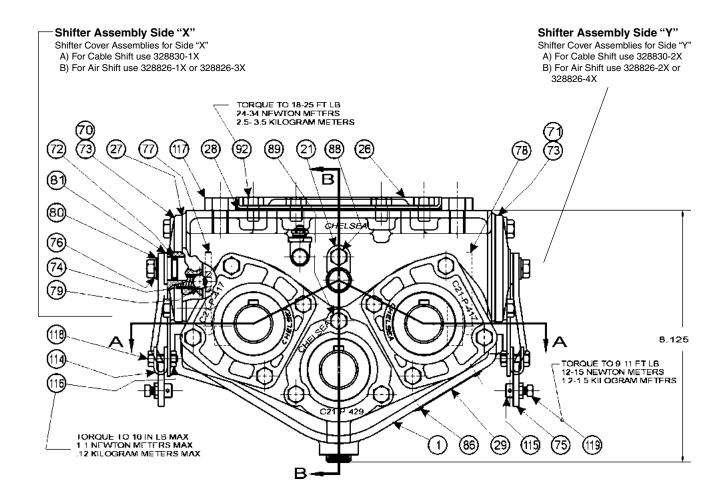
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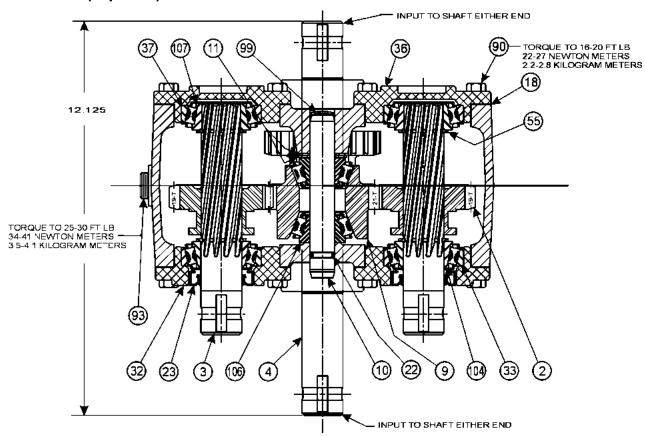
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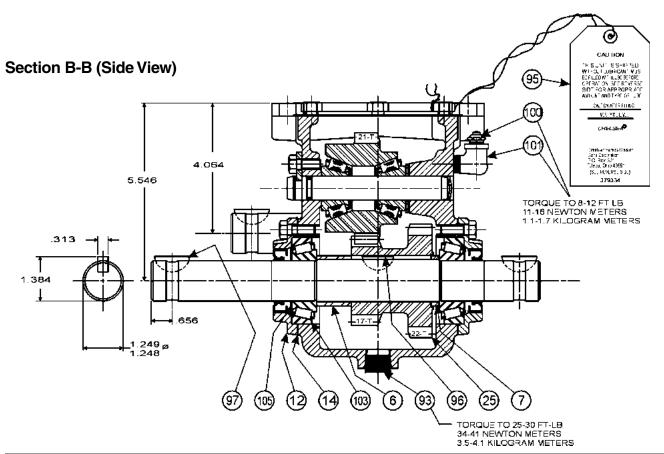
Power Take-Off 721 Series

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Section A-A (Top View)





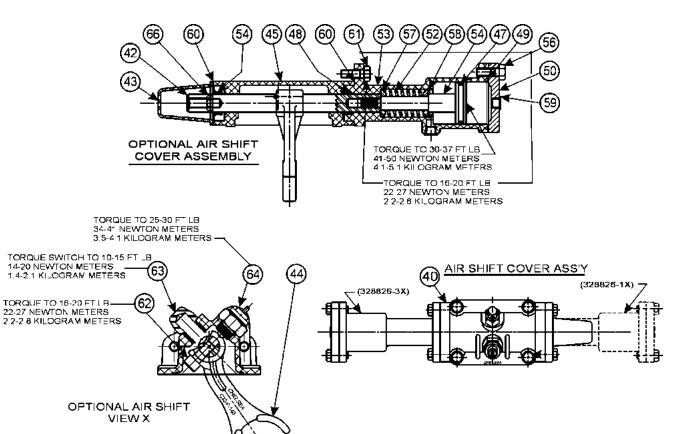
Bill of Materials

Power Take-Off **721 Series**

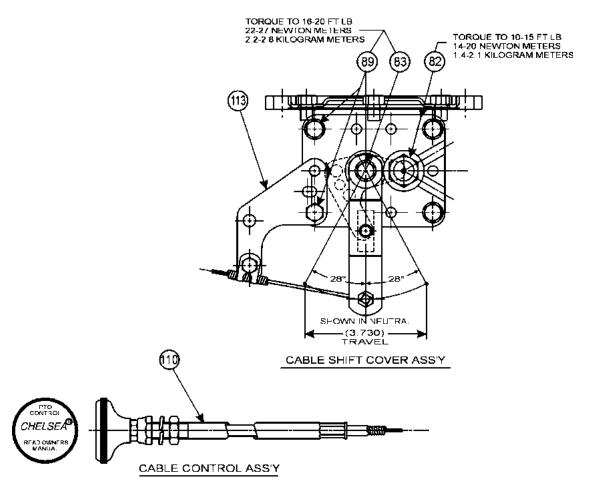
Item	Part Number	Description	Quantity
1	1-P-337	Housing, Gearbox	1
2	2-P-721	Gear, Sliding 19-T	
3	3-P-859	Drive Shaft, Standard Output (1.250" Dia.)	
4	3-P-205	Drive Shaft, Standard Input (1.250" Dia.)	
0	4 D 46	0	
6 7	4-P-46 4-P-47	Spacer	
1	4-P-4 <i>1</i>	Spacer	I
9	5-P-220	Gear, Idler	1
10	9-P-56	Shaft, Idler	
11	14-P-15	Spacer	
12	21-P-67	Bearing Cap, Open	
14	22-P-23-1	Gasket, Bearing Cap	A.R.
	22-P-23-2	Gasket, Bearing Cap	A.R.
18	22-P-24-1	Gasket, Bearing Cap (.010" Thick)	
	22-P-24-2	Gasket, Bearing Cap (.020" Thick)	A.R.
	22-P-24-3	Gasket, Bearing Cap (.015" Thick)	A.R.
01	27-P-9	Detaining Plate	4
21 22	27-P-9 28-P-191	Retaining Plate	
23	28-P-216	Oil Seal	
25 25	33-P-64	Gear. Drive	
26	34-P-16	Cover Plate	
27	35-P-8	Gasket, Shifter Cover (.020" Thick)	
28	35-P-59	Gasket, Cover Plate	
29	68-P-2	Name Plate	
	328273X	BEARING CAP SUB-ASSEMBLY, Open (Includes Items 32-32)	
32	21-P-418	Bearing Cap (Open)	
33	550221	Bearing Cup	1
	328274X	BEARING CAP SUB-ASSEMBLY, Closed (Includes Items 36-37)	2
36	21-P-420	Bearing Cap (Closed)	1
37	550221	Bearing Cup	1
85	378391	Lockring	
86	378422	Drive Screw	
88	378430-8	Capscrew, Hex Head (.375"-16 x .500")	
89	378430-9	Capscrew, Hex Head (.375"-16 x .875")	
90	378430-10	Capscrew, Hex Head (.375"-16 x 1.000")	
92 93	378431-4 379064	Capscrew, Hex Head (.375"-16 x .500")	
95 95	379334	Oil Level Caution Tag (Shipped Wired to Unit)	
96	500007-24	Woodruff Key (Ref. Input Shaft)	
97	500007-24	Woodruff Key (.312" x 1.125")	
99	500166-10	Welch Plug (.750" Dia.)	
100	500167-1	Breather Cap	
101	500925-1	Pipe, Street Elbow	
103	550218	Bearing Cup	
104	550397	Bearing Cone	
105	550437	Bearing Cone	
106	550439	Bearing Cone	2
107	550532	Bearing Cone	

A.R. — As Required

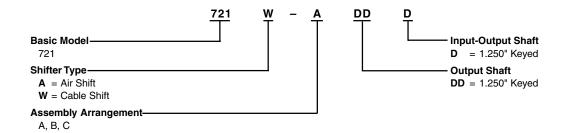
Air Control



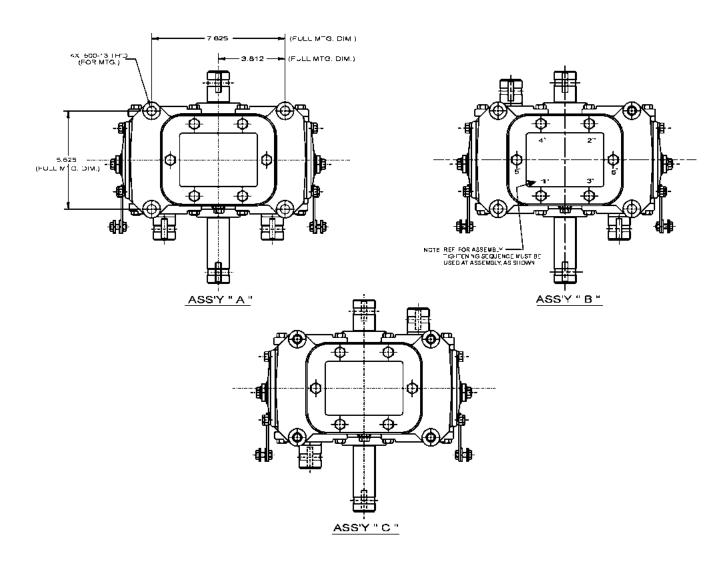
Item	Part Number	Description	Quantity
	328826-1X & 3X	AIR SHIFT COVER ASSEMBLY (Includes Items42-66)	1 o
40	328826-2X & 4X	AIR SHIFT COVER ASSEMBLY (Includes Items42-66)	
42	11-P-129	Shifter Shaft	
43	65-P-23	Cover, Shifter Shaft	1
44	32-P-141	Shifter Fork	1
45	34-P-82	Cover, Shifter	
	328824X	Sub-Assembly	1
47	28-P-61	O-Ring	
48	28-P-71	O-Ring	
49	28-P-2500	O-Ring	
50	34-P-81	Cap	1
52	38-P-50	Spring	1
53	65-P-15	Cylinder	1
54	66-P-13	Piston	1
56	378430-9	Capscrew, Hex Head (.312"-18 x .875")	2
57	379102	Washer, Spring Retainer	2
58	379103	Retaining Ring (N-5000-106)	1
59	500897-3	Shipping Plug	2
60	35-P-14	Gasket	2
61	378430-9	Capscrew, Hex Head (.312"-18 x .875")	2
62	378447-4	Capscrew, Socket Head (.312"-18 x .75")	1
63	378554	Poppet Cap	1
64	379652	Indicator Switch (Norm. "ON")	1
65	65-P-23	Cover, Shifter Shaft	1
66	378430-4	Capscrew, Hex Head	2
	328388-40X	SHIFT INSTALLATION KIT, Air-O-Matic	



Item	Part Number	Description	Quantity
70	328830-1X	SHIFT COVER SUB-ASSEMBLY, Wire Control	1
71	328830-1X	SHIFT COVER SUB-ASSEMBLY, Wire Control (Includes Items	572-83) 1
72	28-P-191	O-Ring	
73	34-P-74	Cover, Shifter	
74	37-P-14	Spring, Poppet	2
75	51-P-13	Lever, Shifter	
76	500365-22	Flat Washer	2
77	328829-1X	Shifter Plate Assembly, Side "X"	1
78	328829-2X	Shifter Plate Assembly, Side "Y"	
79	378002	Ball (.438" Dia.)	
80	500356-10	Lockwasher	
81	378004	Flat Washer	2
82	379652	Indicator Switch (Norm "ON")	2
83	500409-6	Capscrew, Hex Head (.312"-24 x .625")	
110	328346-10X	Wire Control Assembly	
	328537	Parts Bag, Wire Control (Includes Items 113-119)	
113	50-P-17	Bracket	2
114	50-P-19	Bracket, Swivel	2
115	378019	Pivot Pin	2
116	378326	Bushing Nut, Hex	2
117	378982	Spacer, Mtg	
118	500396-8	Screw, Hex Head (.250"-20 x .750")	
119	500568-4	Set Screw, Square Head (.250"-20 x .500")	
	328838X	INSTALLATION KIT, Wire Control	2



Assembly Arrangements



Notes	
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Offer of Sale

The items described in this document and other documents or descriptions provided by Parker Hannifin Corporation, its subsidiaries and its authorized distributors are hereby offered for sale at prices to be established by Parker Hannifin Corporation, its subsidiaries and its authorized distributors. This offer and its acceptance by any customer ("Buyer") shall be governed by all of the following Terms and Conditions. Buyer's order for any such items, when communicated to Parker Hannifin Corporation, its subsidiary or an authorized distributor ("Seller") verbally or in writing, shall constitute acceptance of this offer.

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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, 246, 250, 251 and 859 series two (2) years from date of installation. THIS WARRANTY COMPRISES THE SOLE AND ENTIRE WARRANTY PERTAINING TO ITEMS PROVIDED HEREUNDER. SELLER MAKES NO OTHER WARRANTY, GUARAN-TEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MER-CHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITH-STANDING THE FOREGOING, THERE ARE NO WARRANTIES WHAT-SOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PAR-TIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.
- 5. Limitation Of Remedy: SELLER'S LIABILITY ARISING FROM OR IN ANY WAY CONNECTED WITH THE ITEMS SOLD OR THIS CON-TRACT SHALL BE LIMITED EXCLUSIVELY TO REPAIR OR RE-PLACEMENT OF THE ITEMS SOLD OR REFUND OF THE PUR-CHASE PRICE PAID BY BUYER, AT SELLER'S SOLE OPTION. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY INCIDENTAL, CON-SEQUENTIAL OR SPECIAL DAMAGES OF ANY KIND OR NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS ARISING FROM OR IN ANY WAY CONNECTED WITH THIS AGREE-MENT OR ITEMS SOLD HEREUNDER, WHETHER ALLEGED TO ARISE FROM BREACH OF CONTRACT, EXPRESS OR IMPLIED WARRANTY, OR IN TORT, INCLUDING WITHOUT LIMITATION, NEGLIGENCE, FAILURE TO WARN OR STRICT LIABILITY.
- 6. Changes, Reschedules and Cancellations: Buyer may request to modify the designs or specifications for the items sold hereunder as well as the quantities and delivery dates thereof, or may request to cancel all or part of this order, however, no such requested modification or cancellation shall become part of the contract between Buyer and Seller unless accepted by Seller in a written amendment to this Agreement. Acceptance of any such requested modification or cancellation shall be at Seller's discretion, and shall be upon such terms and conditions as Seller may require.
- 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.

- 8. Buyer's Property: Any designs, tools, patterns, materials, drawings, confidential information or equipment furnished by Buyer or any other items which become Buyer's property, may be considered obsolete and may be destroyed by Seller after two (2) consecutive years have elapsed without Buyer placing an order for the items which are manufactured using such property, Seller shall not be responsible for any loss or damage to such property while it is in Seller's possession or control.
- 9. Taxes: Unless otherwise indicated on the face hereof, all prices and charges are exclusive of excise, sales, use, property, occupational or like taxes which may be imposed by any taxing authority upon the manufacture, sale or delivery of the items sold hereunder. If any such taxes must be paid by Seller or if Seller is liable for the collection of such tax, the amount thereof shall be in addition to the amounts for the items sold. Buyer agrees to pay all such taxes or to reimburse Seller therefore upon receipt of its invoice. If Buyer claims exemption from any sales, use or other tax imposed by any taxing authority, Buyer shall save Seller harmless from and against any such tax, together with any interest or penalties thereon which may be assessed if the items are held to be taxable.
- 10. Indemnity For Infringement of Intellectual Property Rights: Seller shall have no liability for infringement of any patents, trademarks, copyrights, trade dress, trade secrets or similar rights except as provided in this Part 10. Seller will defend and indemnify Buyer against allegations of infringement of U.S. Patents, U.S. Trademarks, copyrights, trade dress and trade secrets (hereinafter 'Intellectual Property Rights'). Seller will defend at its expense and will pay the cost of any settlement or damages awarded in an action brought against Buyer based on an allegation that an item sold pursuant to this contract infringes the Intellectual Property Rights of a third party. Seller's obligation to defend and indemnify Buyer is contingent on Buyer notifying Seller within ten (10) days after Buyer becomes aware of such allegations of infringement, and Seller having sole control over the defense of any allegations or actions including all negotiations for settlement or compromise. If an item sold hereunder is subject to a claim that it infringes the Intellectual Property Rights of a third party, Seller may, at its sole expense and option, procure for Buyer the right to continue using said item, replace or modify said item so as to make it noninfringing, or offer to accept return of said item and return the purchase price less a reasonable allowance for depreciation. Notwithstanding the foregoing, Seller shall have no liability for claims of infringement based on information provided by Buyer, or directed to items delivered hereunder for which the designs are specified in whole or part by Buyer, or infringements resulting from the modification, combination or use in a system of any item sold hereunder. The foregoing provisions of this Part 10 shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.
- 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.
- 11. Force Majeure: Seller does not assume the risk of and shall not be liable for delay or failure to perform any of Seller's obligations by reason of circumstances beyond the reasonable control of Seller (hereinafter 'Events of Force Majeure'). Events of Force Majeure shall include without limitation, accidents, acts of God, strikes or labor disputes, acts, laws, rules or regulations of any government or government agency, fires, floods, delays or failures in delivery of carriers or suppliers, shortages of materials and any other cause beyond Seller's control.
- 12. Entire Agreement/Governing Law: The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Seller in writing, shall constitute the entire Agreement concerning the items sold, and there are no oral or other representations or agreements which pertain there/to. This Agreement shall be governed in all respects by the law of the State of Ohio. No actions arising out of the sale of the items sold hereunder or this Agreement may be brought by either party more than two (2) years after the cause of action accrues.

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