

## Chelsea PTO 438 Parts Manual

Pro Gear and Transmission presents Chelsea 438 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

Check Inventory

Email Us

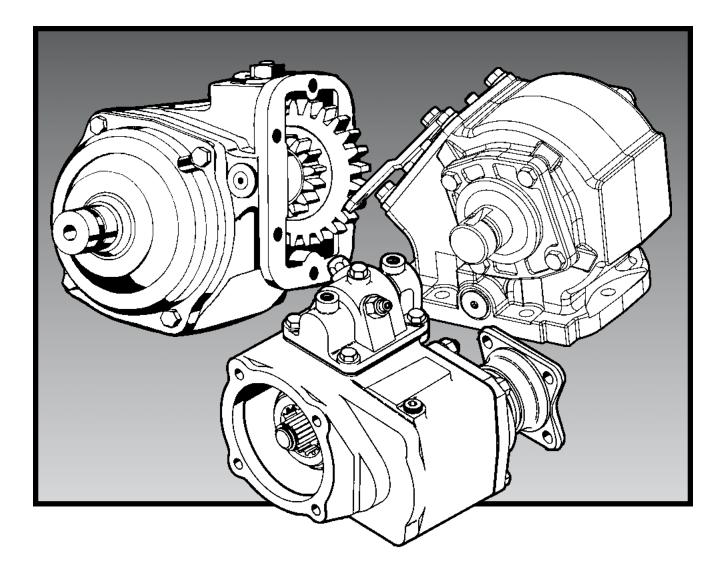
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Bulletin HY25-2438-M1/US

# Parts List 438 Series

Effective:December 15, 2001Supersedes:P410-438 Dated July 1994





Pro Gear and Transmission, Inc. | 906 West Gore St, Orlando, FL 32805 +1 (877) 776-4600 | +1 (407) 872-1901 www.progearandtransmission.com | www.pgttruckparts.com | parts@eprogear.com



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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.

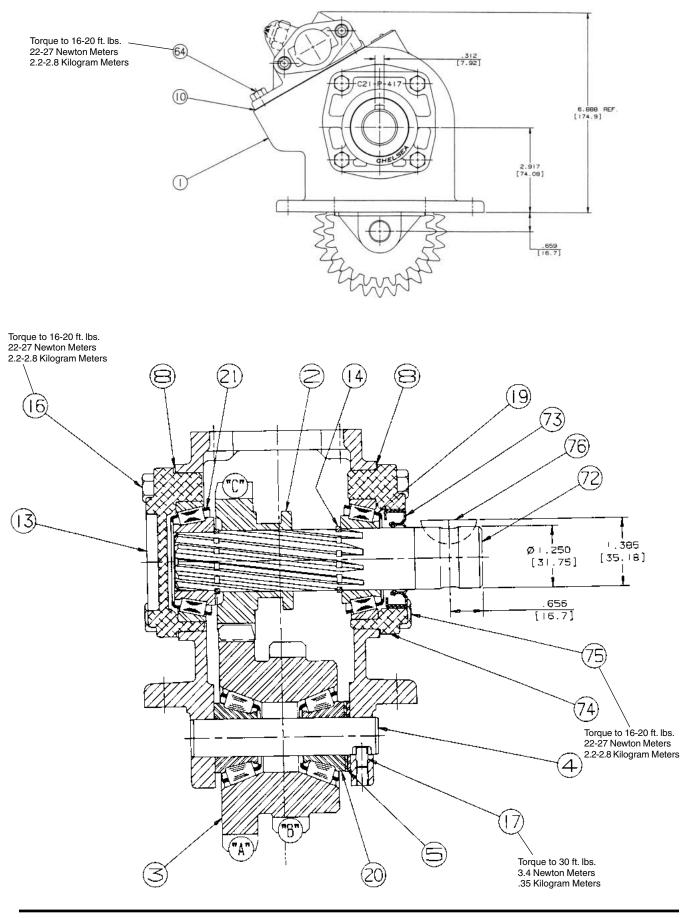
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| Cross Sectional View           | 1   |
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| Bill of Materials              | 2   |
| Cable Shift Control Assembly   |     |
| Air Shift Control Assembly     | 4   |
| Pump Flange & Shaft Dimensions | 5-6 |
| Model Number Designation       |     |
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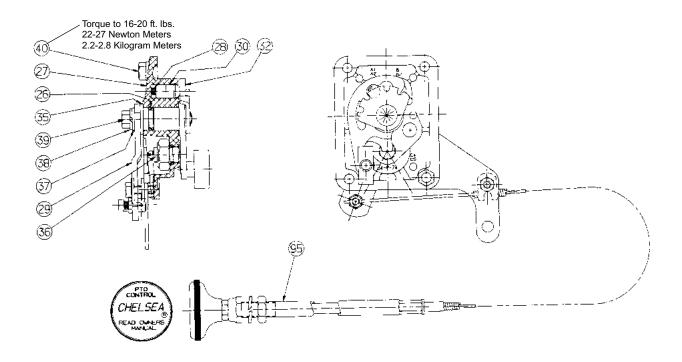
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| Item                 | Part Number                                | Description   | Quanti |
|----------------------|--|---|--------|
| 1                    | 1-P-483                                    | Housing   | 1      |
| 2                    | 2-P-699                                    | Gear, Output  |        |
| 3                    | 5-P-951                                    | Gear, Input   |        |
|                      |  |   |        |
| 4                    | 9-P-72                                     | Shaft, Idler  |        |
| 5                    | 14-P-15                                    | Spacers, Input Gear   |        |
| 8                    | 22-P-24-1                                  | Gasket, Bearing Cap (.010)  | A/I    |
|                      | 22-P-24-2                                  | Gasket, Bearing Cap (.020)  | A/I    |
|                      | 22-P-24-3                                  | Gasket, Bearing Cap (.015)  |        |
| 10                   | 35-P-8                                     | Gasket, Shifter Cover   |        |
| 11                   | 68-P-2                                     | Name Plate (U.S.A.)   |        |
| 13                   | 328274X                                    |   |        |
| -                    |  | Bearing Cap Assembly (Closed)   |        |
| 14                   | 378391                                     | Lockring  |        |
| 15                   | 378422                                     | Drive Screw   |        |
| 16                   | 378430-10                                  | Capscrew, Hex Head (.312-18 x 1.000)  | 4      |
| 17                   | 378452-7                                   | Set Screw (.250-20 x .500)  |        |
| 19                   | 550397                                     | Bearing Cone  |        |
| 20                   | 550439                                     | Bearing Cone  |        |
| 21                   | 550532                                     | Bearing Cone  |        |
| 21                   | 330332                                     | Ũ   |        |
| 64                   | 378430-8                                   | Capscrew, Hex Head (.312-18 x .750)   |        |
|                      |  | "XR" OUTPUT   |        |
| 66                   | 3-P-283                                    | Shaft, Output   |        |
| 67                   | 28-P-216                                   | Oil Seal  |        |
| 68                   | 329194X                                    | Pump Flange Assembly (21-P-574)   |        |
| 69                   | 379673                                     | Shoulder Stud (.312-24)   |        |
| 70                   | 379063                                     | Flat Washer   |        |
|                      |  | "XD" OUTPUT   |        |
| 72                   | 3-P-202                                    | Shaft, Output   |        |
| 73                   | 28-P-216                                   | Oil Seal  |        |
| 74                   | 328273X                                    | Bearing Cap Assembly (Open)   |        |
| 75                   | 378430-10                                  |   |        |
| 75<br>76             | 500007-29                                  | Capscrew, Hex Head (.312-18 x 1.000)<br>Woodruff Key  |        |
| 79<br>80<br>81<br>82 | 3-P-282<br>28-P-216<br>328589X<br>378447-8 | " <b>XQ</b> " <b>OUTPUT</b><br>Shaft, Output (Pump)<br>Oil Seal<br>Bearing Cap Assembly (21-P-269)<br>Capscrew, Socket Head (.312-18 x 1.500) |        |
| -                    |  | "RA" OUTPUT   |        |
| 83                   | 3-P-283                                    | Output Shaft  |        |
| 84                   | 28-P-216                                   | Oil Seal  | 1      |
| 85                   | 329195X                                    | Pump Flange Assembly (21-P-574)   |        |
| 86                   | 21-P-628                                   | Pump Flange 2-Bolt Rotating   |        |
| 87                   | 378447-6                                   | Socket Head Capscrew (.312-18 X 1.000)  | ۰ ۵    |
|                      | 328591-53X                                 | Pump Field Conversion Kit ("XR" TO "RA")  |        |
|                      | 328591-55X                                 | Pump Field Conversion Kit ("XD" TO "RA")  |        |
|                      |  | "RA" OUTPUT   |        |
| 88                   | 3-P-283                                    | Output Shaft  | 1      |
|                      |  | Output Shan   |        |
| 89                   | 28-P-216                                   |   |        |
| 90                   | 329195X                                    | Pump Flange Assembly (21-P-574)   |        |
| 91                   | 21-P-572                                   | Pump Flange 4-bolt Rotating   |        |
| 92                   | 378447-6                                   | Socket Head Capscrew .312-18 X 1.000  |        |
|                      | 328591-54X                                 | Pump Field Conversion Kit ("XR" TO "RA")  |        |
|                      | 328591-56X                                 | Pump Field Conversion Kit ("XD" TO "RA")  |        |
|                      |  | LOOSE PARTS   |        |
|                      | 7170-72X                                   | Stud Kit  |        |
|                      | 35-P-72                                    | Gasket, Mounting  |        |
|                      | 328961-6X                                  | Gasket & Installation Instructions  |        |
| 95                   | 328346-15X                                 | Cable Control Assembly  |        |
| 90                   |  |   |        |
|                      | 328380X                                    | Cable Control Parts Bag   |        |
|                      | 328751X                                    | Installation Kit  |        |
|                      |  | Installation Kit, Air Shift   | 4      |
|                      | 328388-37X                                 |   |        |
|                      | 328388-37X<br>328711X                      | Installation Kit, "XR" Pump   |        |

A.R. — As Required

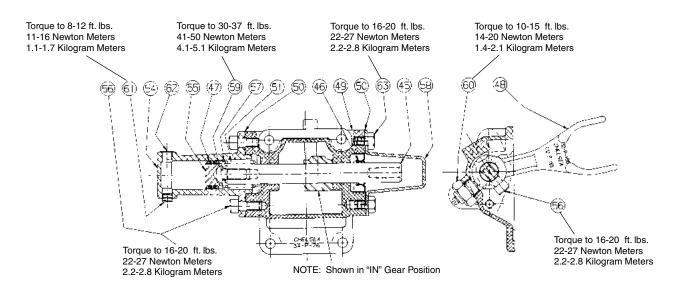


#### Assembly 4 & 6



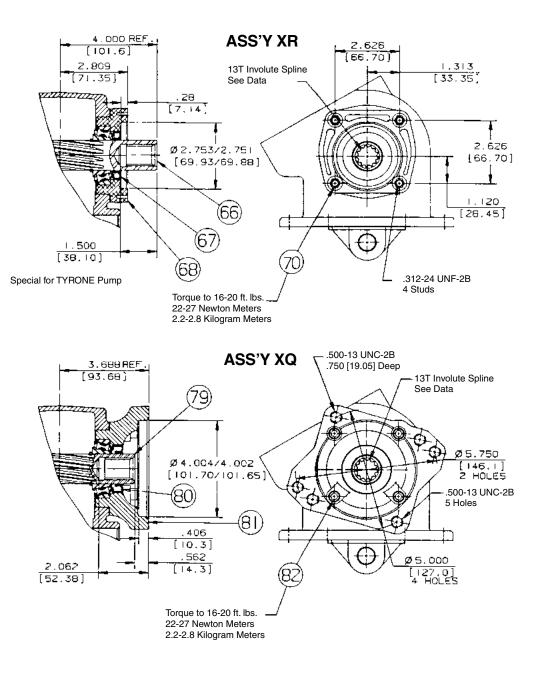
| Item | Part Number | Description                         | Quantity |
|------|-------------|-------------------------------------|----------|
|      |             | CABLE SHIFT                         |          |
|      | 329038-1X   | CABLE SHIFTER ASSEMBLY (3 & 6)      | 1 or     |
|      | 329038-2X   | CABLE SHIFTER ASSEMBLY (4 & 5)      |          |
| 26   | 28-P-191    | O-Ring                              |          |
| 27   | 34-P-74     | Shifter Cover Gasket                |          |
| 28   | 37-P-19     | Shifter Spring                      |          |
| 29   | 51-P-22     | Shifter Lever                       |          |
| 30   | 63-P-16     | Poppet Pin                          |          |
| 32   | 328813-1X   | Shifter Plate Ass'y (3 & 6)         |          |
|      | 328813-2X   | Shifter Plate Ass'y (4 & 5)         |          |
| 35   | 378004      | Flat Washer                         |          |
| 36   | 379110      | Indicator Switch (Norm On)          |          |
| 37   | 500365-22   | Flat Washer                         |          |
| 38   | 500356-10   | Lockwasher                          |          |
| 39   | 500409-6    | Capscrew, Hex Head                  |          |
| 40   | 378430-9    | Capscrew, Hex Head (.312-18 x .875) |          |

### Assembly 4 & 6



| Item | Part Number | Description                         | Quantity |
|------|-------------|-------------------------------------|----------|
|      |             | AIR SHIFT                           |          |
|      | 329042-1X   | AIR SHIFT COVER ASSEMBLY (3 & 6)    |          |
|      | 329042-2X   | AIR SHIFT COVER ASSEMBLY (4 & 5)    |          |
| 45   | 11-P-112    | Shaft, Shifter                      |          |
| 46   | 28-P-207    | Oil Seal                            |          |
| 47   | 28-P-256    | Block Vee Ring                      |          |
| 48   | 32-P-166    | Shifter Fork                        |          |
|      |             | E-Z SHIFT™                          |          |
|      | 329168-1X   | E-Z SHIFT COVER ASSEMBLY (3 & 6)    |          |
|      | 329168-2X   | E-Z SHIFT COVER ASSEMBLY (4 & 5)    |          |
| 49   | 34-P-76     | Shifter Cover                       |          |
| 50   | 35-P-14     | Gasket                              |          |
| 51   | 37-P-25     | Shifter Spring                      |          |
| 54   | 65-P-14     | Cylinder Cap                        |          |
| 55   | 66-P-4      | Piston, Floating                    |          |
| 56   | 378447-4    | Capscrew, Allen Head                |          |
| 57   | 378462      | Washer, Spring Retainer             |          |
| 58   | 65-p-23     | Shifter Shaft Cover                 |          |
| 59   | 378908      | Capscrew, Button Head               |          |
| 60   | 370110      | Indicator Switch (Norm On)          |          |
| 61   | 379231      | Pipe Plug .125-27 NPTF TH'D         |          |
| 62   | 500897-3    | Shipping Plug                       |          |
| 63   | 378430-4    | Capscrew, Hex Head (.312-18 x .500) |          |

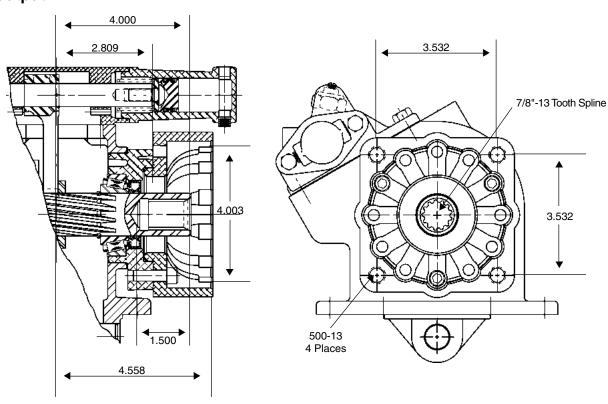




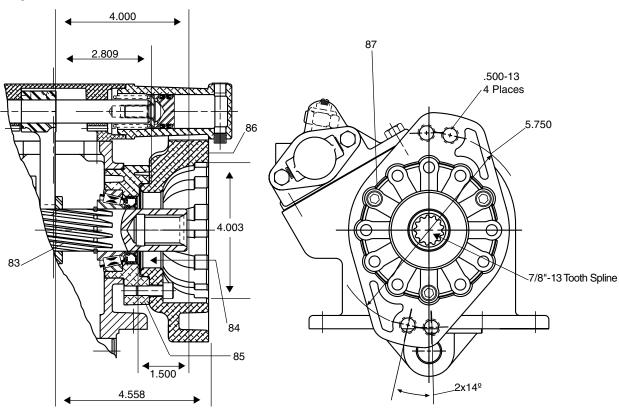
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Note: "RA" and "RB" Flanges Rotate in 30<sup>o</sup> Increments



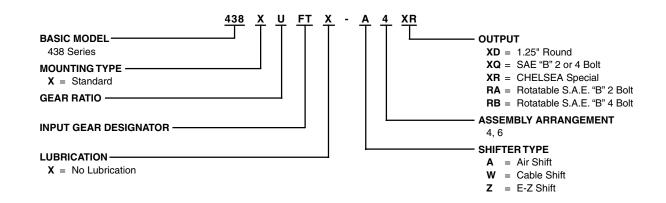
"RB" Output



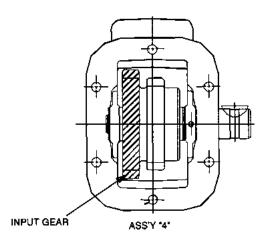
#### "RA" Output

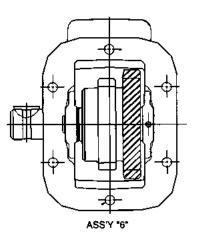
Bulletin HY25-2438-M1/US
Pump Flange and Shaft Dimensions

Power Take-Off 438 Series



**Assembly Arrangements** 





#### Offer of Sale

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**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. 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.

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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.

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.

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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.

9/01-P

