

## Chelsea PTO 542 Parts Manual

Pro Gear Chelsea 542 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



**Pro Gear**  
AND TRANSMISSION

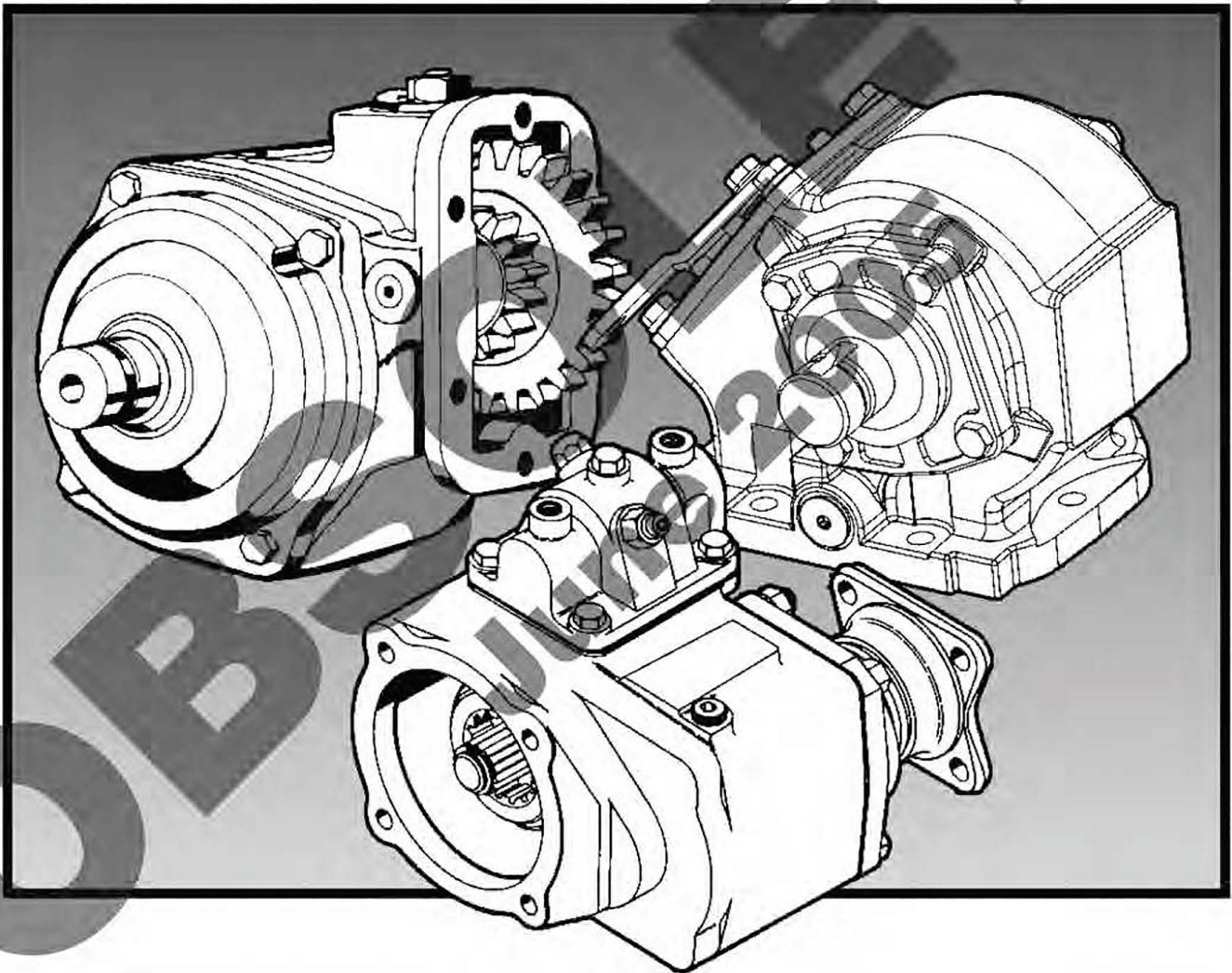
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**CHELSEA®**

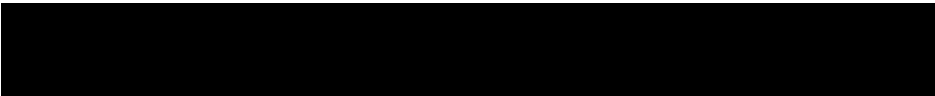
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Effective: July 15, 2002

# Replacement Parts List 542 Series Manual



**Parker**



### WARNING

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.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

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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**Parker Hannifin Corporation**  
Chelsea Products Division  
Olive Branch, MS 38654 USA

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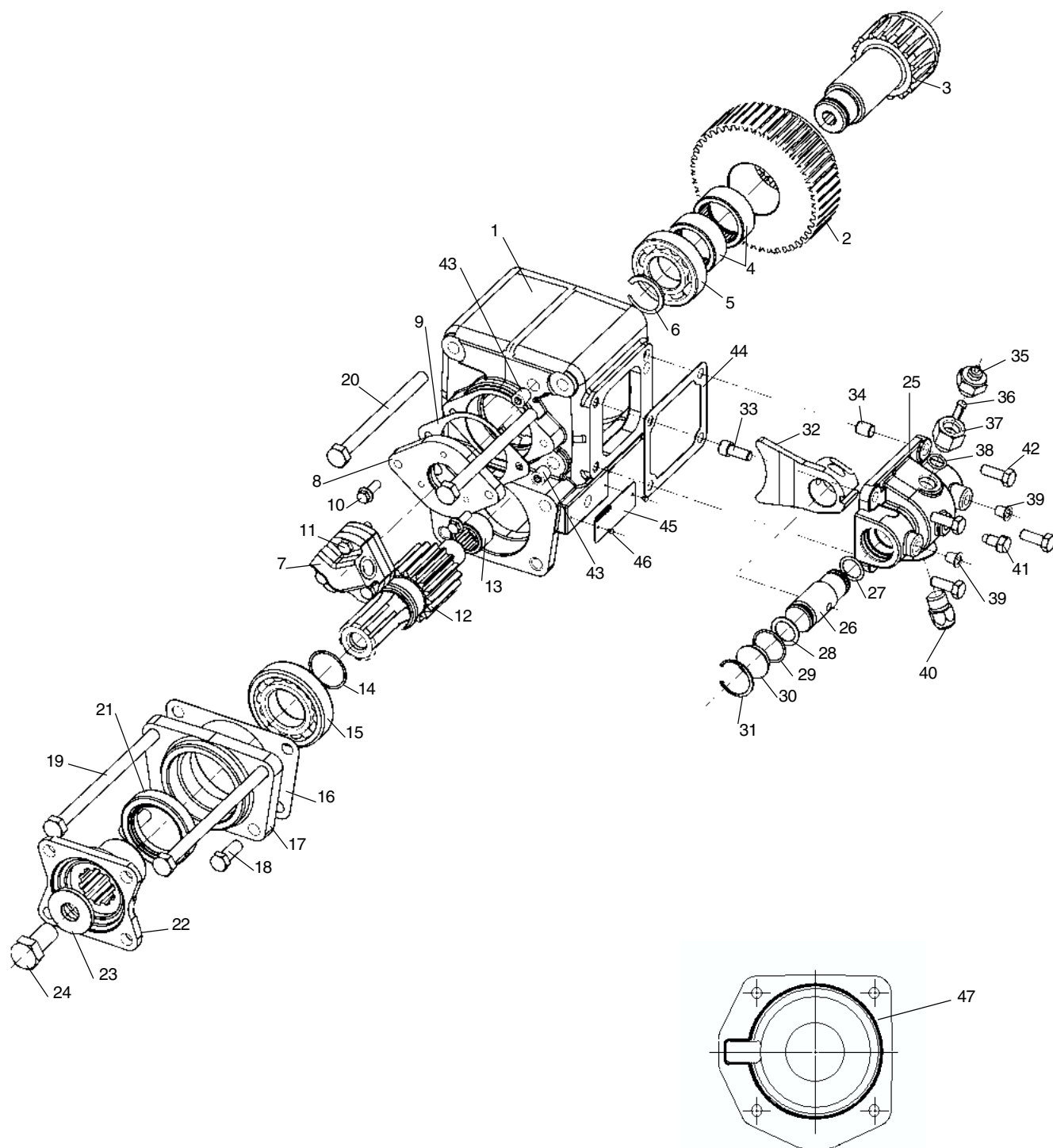
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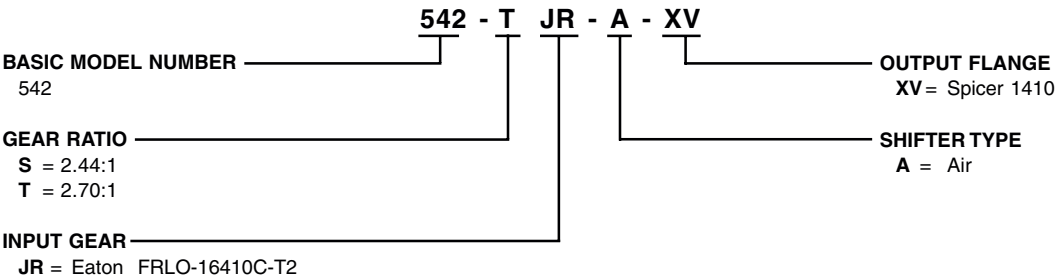


**Bill of Materials****Power Take-Off****542 Series**

Item	Part Number	Description	Quantity
1	1-P-564	P.T.O. Housing .....	1
2	2-P-780	Input Gear .....	1
3	3-P-919	Input Shaft .....	1
4	561000	Needle Roller Bearing .....	2
5	550697	Ball Bearing .....	1
6	378391	Snap Ring .....	1
7	328991-1X	Gerotor Pump Assembly .....	1
8	26-P-58	Pump Adapter Plate .....	1
9	35-P-90	Pump Adapter Gasket .....	1
10	379565	Hex. Head Capscrew (.250"-20 x .750") .....	2
11	378429-13	Hex. Head Capscrew (.250"-20 x 1.375") .....	3
12	3-P-750	Output Gear & Shaft (542-T) .....	1
	<a href="#">See Page 3</a>	Gear & Shaft Chart .....	
13	560961	Needle Bearing Assembly .....	1
14	28-P-249	O-Ring .....	1
15	550010	Ball Bearing .....	1
16	35-P-87	Bearing Cap Gasket .....	1
17	21-P-620	Bearing Cap .....	1
18	378431-10	Hex. Head Capscrew (.375"-16 x 1.000") .....	2
	7170-101X	Mounting Kit .....	1
19	378924-48	Capscrew (M10 x 130mm) .....	2
20	378924-64	Capscrew (M10 x 170mm) .....	2
21	28-P-77	Oil Seal .....	1
22	3-1-3881	Output Flange (1410 Series) .....	1
23	4-P-130	Retainer Washer .....	1
24	378435-7	Hex. Head Capscrew (.625"-11 x 1.250") .....	1
	329254X	Air Shift Cover Assembly .....	1
25	34-P-128	Cover .....	1
26	11-P-120	Shifter Shaft .....	1
27	28-P-71	O-Ring (.875") .....	1
28	28-P-41	O-Ring (1.000") .....	1
29	28-P-42	O-Ring (1.188") .....	1
30	378315	Cover Plug .....	1
31	378316	Retaining Ring .....	1
32	32-P-179	Shifter Fork .....	1
33	378447-4	Socket Head Capscrew (.312"-18 x .750") .....	1
34	379860	Dowel Bushing .....	1
35	379639	Indicator Switch (Norm. Off) .....	1
36	63-P-22	Actuating Pin .....	1
37	379738	Switch Pin Housing .....	1
38	28-P-273	O-Ring .....	1
39	500897-3	Shipping Plug .....	2
40	378554	Shifter Plug .....	1
41	378285-1	Guide Screw .....	1
42	378430-9	Hex. Head Capscrew (.312"-18 x .750") .....	4
43	378888	Pipe Plug (.250"-18) .....	2
44	35-P-88	Shifter Cover Gasket .....	1
45	68-P-2	Name Plate .....	1
46	378422	Drive Screw .....	2
	<b>LOOSE PARTS</b>		
	7170-101X	Mounting Kit .....	1
	328948-25X	Installation Kit .....	1
	328388-68X	Air-O-Matic Shift Installation Kit .....	1
	379744	90° Elbow .....	1
47	42-P-215	Mounting Adapter Plate .....	1
	379181	Lube Hose .....	1

A.R.—As Required

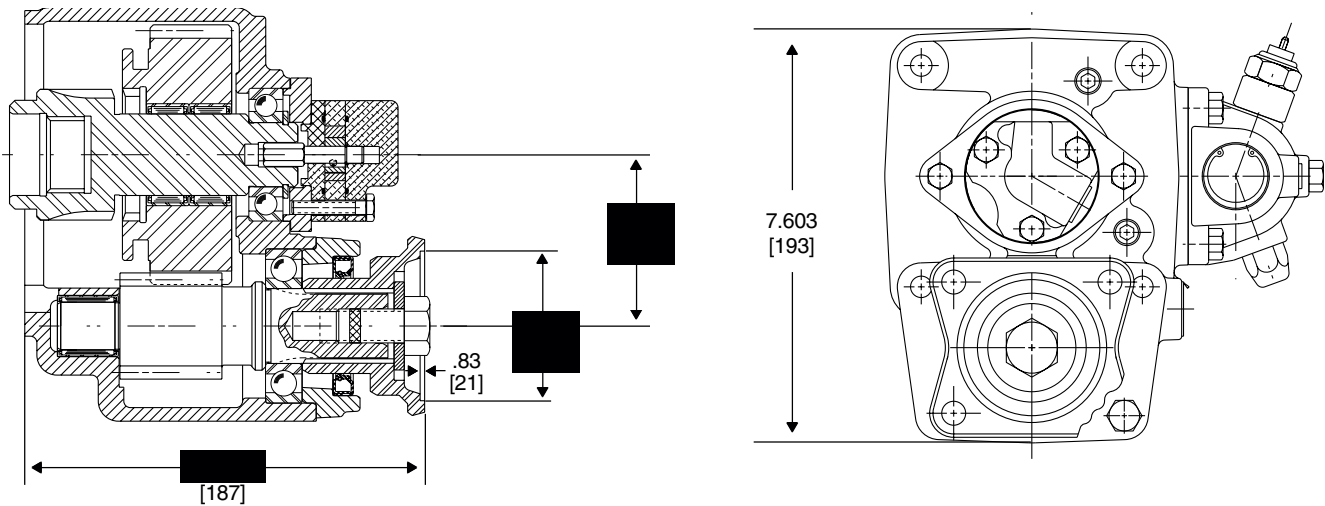
Model Number Designation



Gear Chart

Model Number	Gear Number	Shaft Number
542-S	2-P-809	3-P-945
542-T	2-P-780	3-P-750

P.T.O. Case Dimensions



## Offer of Sale

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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, GUARANTEE, OR REPRESENTATION OF ANY KIND WHATSOEVER. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, MERCHANTABILITY AND FITNESS FOR PURPOSE, WHETHER EXPRESS, IMPLIED, OR ARISING BY OPERATION OF LAW, TRADE USAGE, OR COURSE OF DEALING ARE HEREBY DISCLAIMED. NOTWITHSTANDING THE FOREGOING, THERE ARE NO WARRANTIES WHATSOEVER ON ITEMS BUILT OR ACQUIRED WHOLLY OR PARTIALLY, TO BUYER'S DESIGNS OR SPECIFICATIONS.**

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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.

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**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.

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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 thereto. 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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