



Chelsea PTO 249V Parts Manual

Pro Gear and Transmission presents Chelsea 249V 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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Parts List 249 Series

Effective: March 15, 2013
Supersedes: February 15, 2013





WARNING — User Responsibility

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS 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 or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

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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".

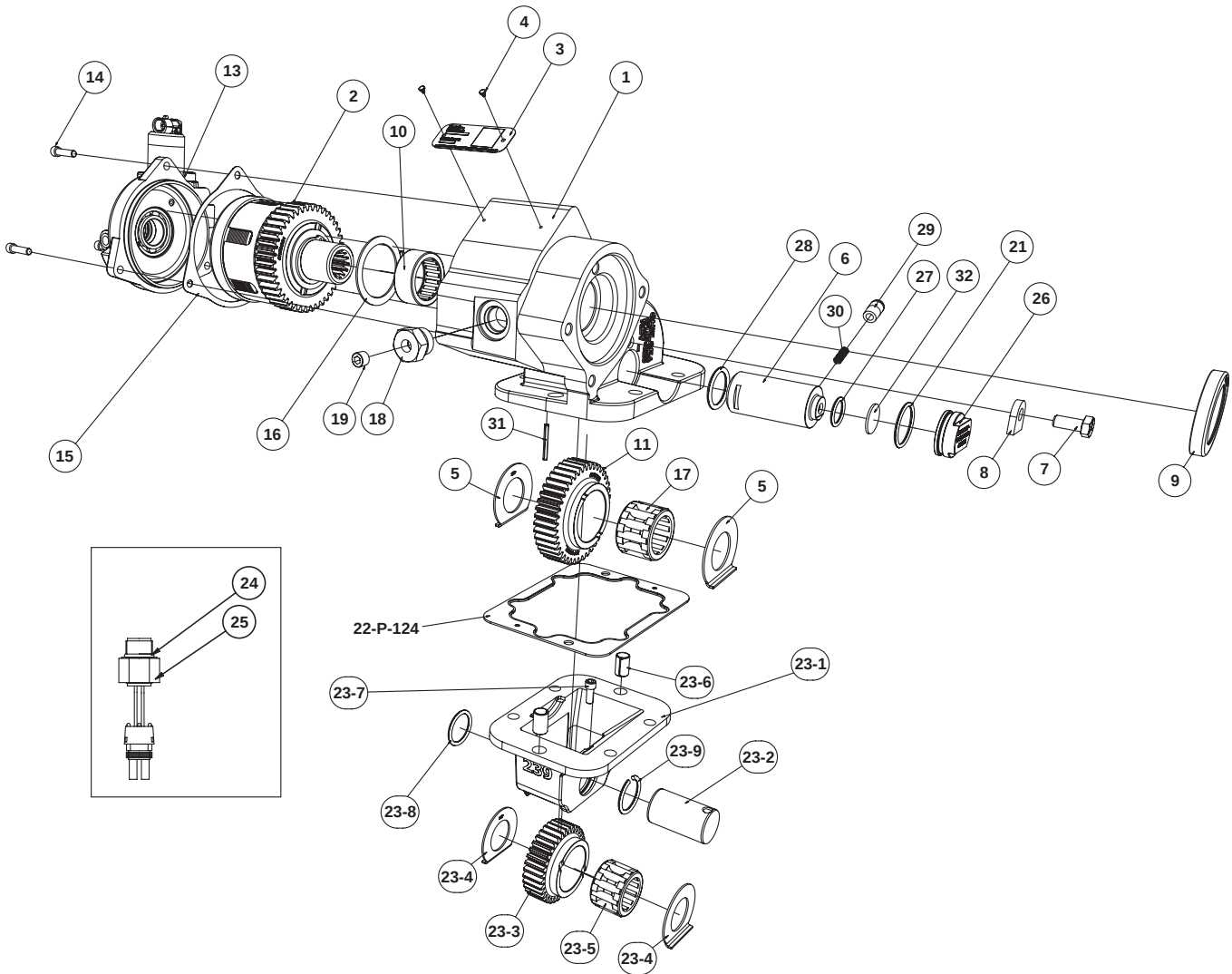
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Parker Hannifin Corporation
Chelsea Products Division
Olive Branch, MS 38654 USA

Exploded View	1
Bill of Materials	2-3
Driveshaft & Clutch Assembly Exploded View	4
Valve Cap Assembly Exploded View	5
Model Number Designation and Housing Dimensions	6
Kits Bill of Material	7
Offer of Sale	8



Bill of Materials

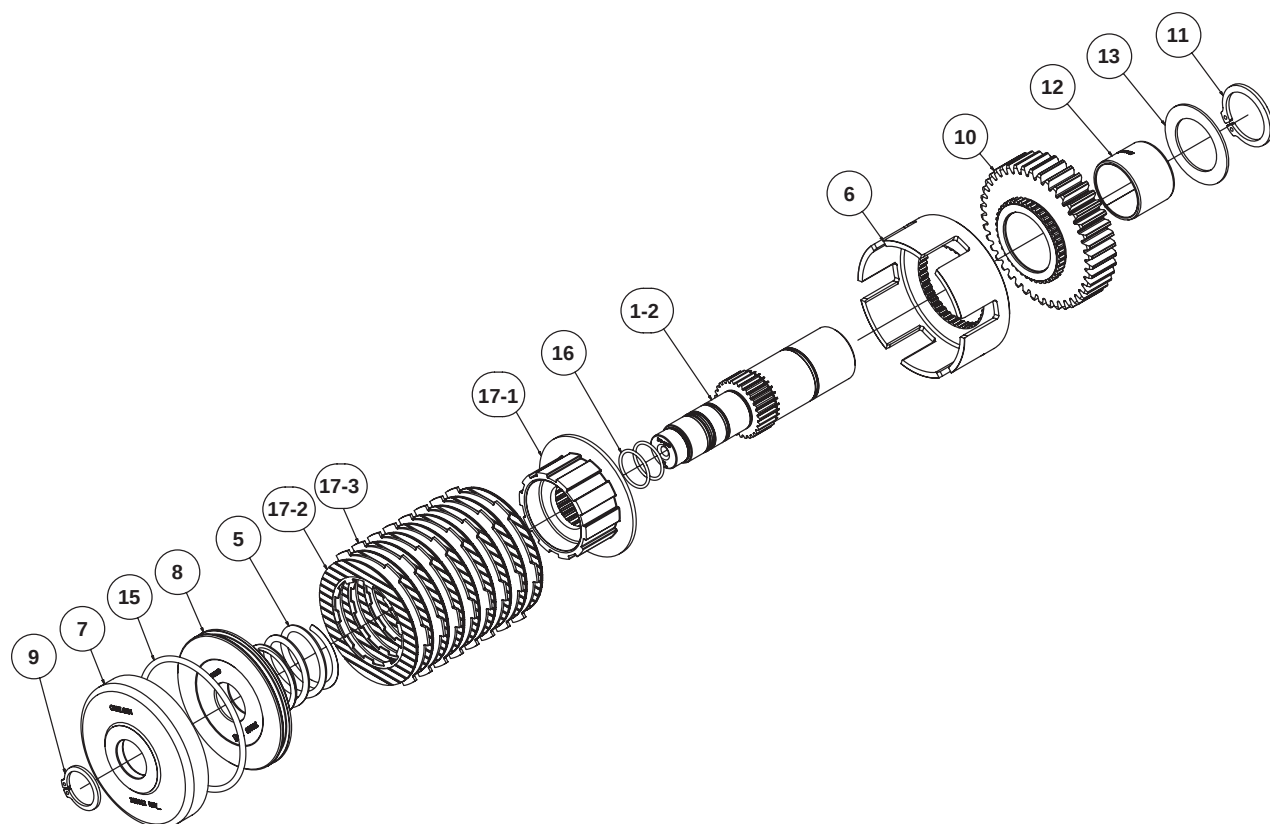
Parts List
249 Series

Item	Part Number	Description	Qty.
1	1-P-698	Housing	1
2	329604-1X	Ass'y Drive Shaft & Clutch ("XD" Output)	1 or
	329604-2X	Ass'y Drive Shaft & Clutch ("XP" Output)	1 or
	329604-3X	Ass'y Drive Shaft & Clutch ("AD" Output)	1
3	68-P-51	Plate Name.....	1
4	378422	Screw Drive	2
5	31-P-135	Washer Thrust 1.280" x 2.300" x .064"	2
6	9-P-107	Shaft Idler 1.26"	1
7	378430-8	Capscrew HH .312" -18 x .750"	1
8	27-P-9	Plate Lock.....	1
9	28-P-225	Oil Seal 2.004" x 1.375" x .315"	1
10	561030	Bearing Needle Roller Ass'y 1.375" x 1.750 x .75"	1
11	33-P-76	Gear Reverse Idler 41T	1
12	379486	Elbow 90° .438" - 20	1
13	329614X	Ass'y Valve Cap	1
14	379431-6	Capscrew SH .250" - 20 x 1.000"	3
15	22-P-123	Gasket Valve Cap	1
16	31-P-119	Washer Thrust 1.800" x 2.300" x .064"	1
17	561029	Bearing Needle Roller Ass'y 1.26" x 1.811" x 1.26"	1
18	379242	Adapter Straight .125" - 27 x .750" - 16	1
19	379231	Plug Pipe .125" - 27	1
N.S.	500007-29	Key Woodruff ("XD" Output Only)	1
21	28-P-335	O-Ring 1.112" x .103"	1
N.S.	379564-2	Cap Shipping	1
23	329806X	Ass'y Adapter (Includes Items 23-1 thru 23-9)	1
23-1	42-P-239	Body Adapter	1
23-2	9-P-100	Shaft Idler 1.26"	1
23-3	5-P-1436	Gear Input 35T	1
23-4	31-P-135	Washer Thrust 1.280" x 2.300" x .064"	2
23-5	561029	Bearing Needle Roller Ass'y 1.26" x 1.811" x 1.26"	1
23-6	385078	Dowel Bushing 10.87" x 13.01" x 20	1
23-7	379431-3	Capscrew SH .250" - 20 x .625"	2
23-8	28-P-336	O-Ring 1.171" x .139"	1
23-9	28-P-337	O-Ring 1.171" x .139" Modified	1
24	28-P-171	O-Ring .644" x .087" (E.O.C. Only)	1
25	379243	Speed Sensor (E.O.C. Only)	1
26	380458	Idler Plug 1.260"	1
27	28-P-71	O-Ring .674" x .103"	1
28	28-P-239	O-Ring 1.046" x .139"	1
29	36-P-16	Poppet Shifter	1
30	37-P-73	Spring .231" x .716"	1
31	500720-17	Pin Spring .125" x 1.250"	1
32	31-P-140	Washer Thrust 0.88" x .030"	1

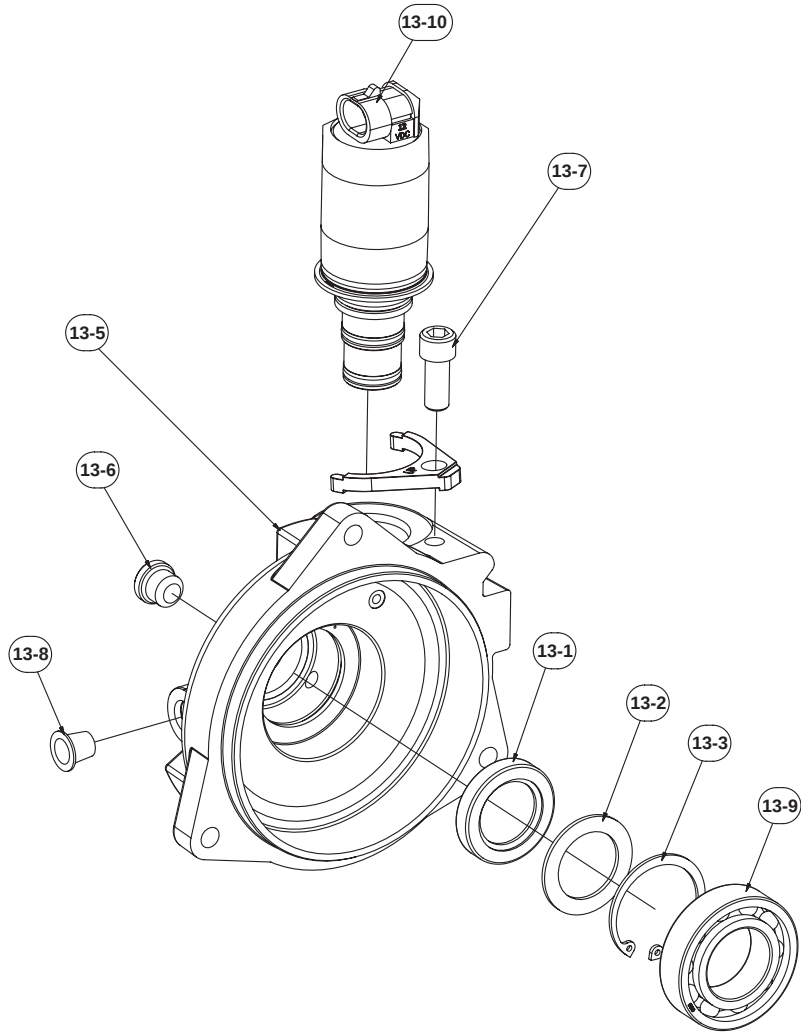
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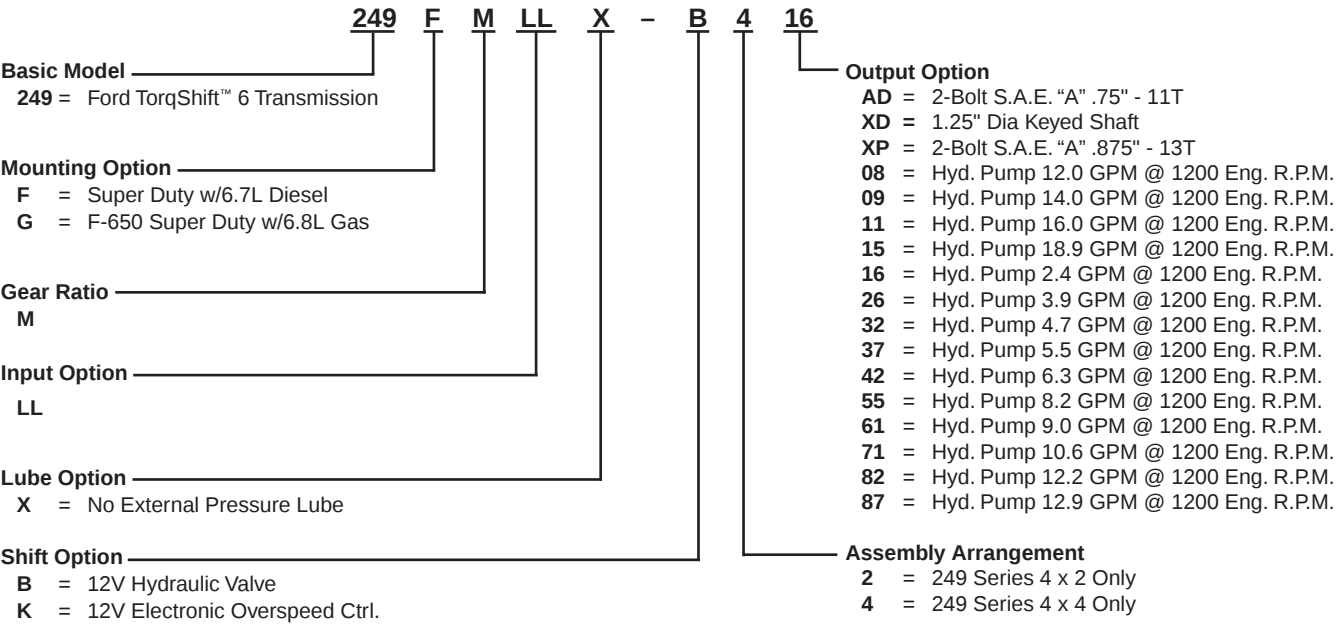
Item	Part Number	Description	Qty.
		LOOSE PARTS	
	329248-5X	Kit Installation & Label	1
	379688	Spline Lube.....	1
	329651X	Kit Installation & Mounting Non E.O.C. ("B" Shift Option/"F" Mount).....	1
	329804X	Kit Installation & Mounting Non E.O.C. ("B" Shift Option/"G" Mount)	1
	329650X	Ass'y Speed Limiter ("K" Shift Option)	1
	329652X	Kit Installation & Mounting E.O.C. ("K" Shift Option).....	1
		SERVICE KITS	
	22-P-124	Mounting Gasket	
	329248-1X	Kit Gasket & Seal	
	329248-2X	Kit Bearing	
	329248-3X	Kit Clutch Repair	
	329248-4X	Kit Complete Rebuild (Includes 329248-1X, -2X, -3X, -4X)	
	329376-5X	Kit Soft Goods Service Kit, CGP-P11 Pump	



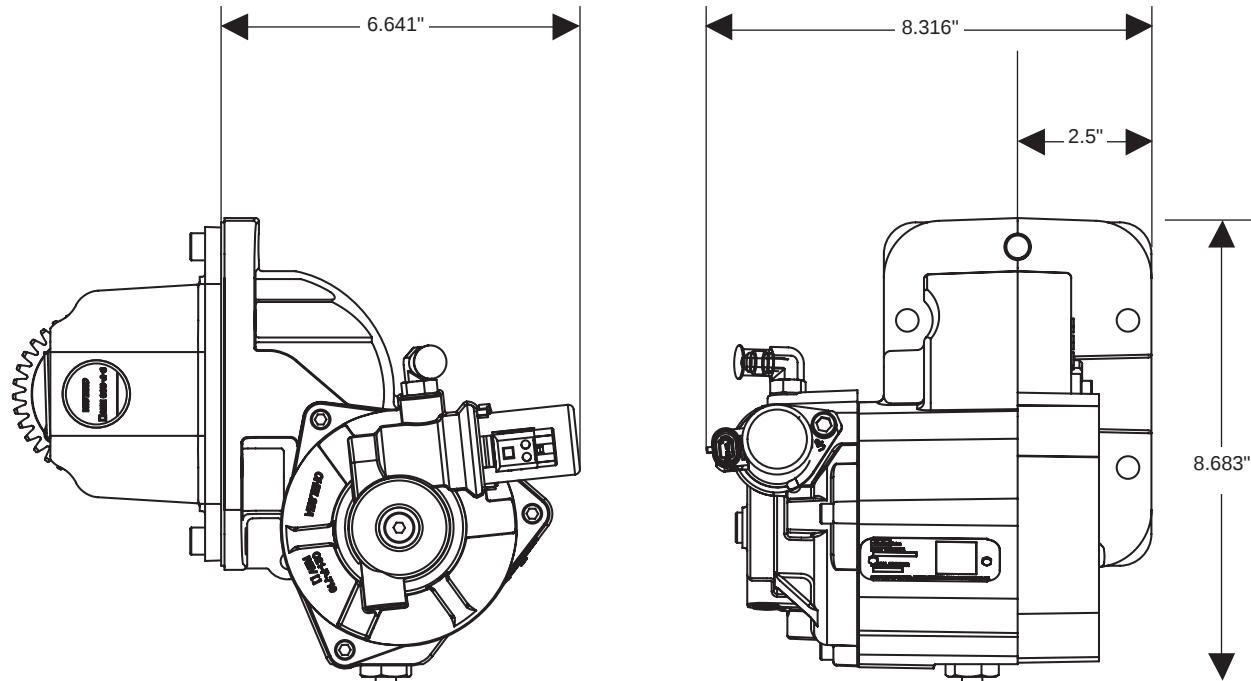
Item	Part Number	Description	Qty.
	329604-1X	Ass'y Drive Shaft & Clutch ("XD" Output)	
	329604-2X	Ass'y Drive Shaft & Clutch ("XP" Output)	
	329604-3X	Ass'y Drive Shaft & Clutch ("AD" Output)	
1-1	3-P-1002	Shaft Output ("XD" Output 1.25" Keyed).....	1 or
1-2	3-P-1003	Shaft Output ("XP" Output 7/8" - 13T)	1 or
1-3	3-P-1004	Shaft Output ("AD" Output 3/4" - 11T)	1
5	37-P-56	Spring 1.75" x 1.51"	1
6	380061	Gear Bell - 42 Teeth	1
7	380062	Cylinder Clutch	1
8	380063	Piston Clutch	1
9	379693	Lockring	1
10	2-P-861	Gear Output - 42 Teeth	1
11	378576	Lockring	1
12	561032	Bearing Plain 1.378" x 1.535" x 1.18"	1
13	31-P-90	Washer Thrust 1.382" x 2.730" x .062"	1
15	28-P-288	O-Ring 3.234" x .139"	1
16	28-P-289	O-Ring .864" x .070"	2
	329726X	Kit Gear and Plates (Includes items 17-1,17-2, and 17-3)	1
17-1	2-P-860	Clutch Hub - 29 Teeth	1
17-2	379691	Disc Friction	9
17-3	380060	Plate Clutch	8



Item	Part Number	Description	Qty.
13	329614X	Valve Cap Assembly	
13-1	28-P-119	Oil Seal 1.379" x .875" x .250".....	1
13-2	378811	Plate Seal Backup	1
13-3	378849	Lockring	1
13-5	21-P-720	Valve Cap	1
13-6	379484	Plug O-Ring Boss .438" - 20	1
13-7	378447-4	Capscrew SH .312" - 18 x .750"	1
13-8	500897-5	Plug Shipping	1
13-9	561031	Bearing Ball .9843" x 1.8504" x .4724"	1
13-10	380123-12	Cartridge Valve Non Regulating 12V New Style Connector on Top	1



Housing Dimensions



329248-1X	Kit Gasket & Seal
28-P-247	O-Ring .984" x .139" 1
22-P-123	Gasket Valve..... 1
28-P-289	O-Ring .864" x .070"..... 2
28-P-288	O-Ring 3.234" x .139"..... 1
378576	Lockring..... 1
379693	Lockring..... 1
329248-2X	Kit Bearing
561029	Bearing Needle Roller Ass'y 1.26" x 1.811" x 1.26" 2
561030	Bearing Needle Roller Ass'y 1.375" x 1.750" x .75" 1
561031	Bearing Ball .9843" x 1.8504" x .4724" 1
561032	Bearing Plain 1.378" x 1.535" x 1.18" 1
329248-3X	Kit Clutch Repair
379691	Disc Friction..... 9
380060	Plate Clutch..... 8
329248-4X	Kit Complete Rebuild (Includes 329248-1X, -2X, -3X, -4X)
329248-1X	Kit Gasket..... 1
329248-2X	Kit Bearing..... 1
329248-3X	Kit Clutch 1
329248-5X	Kit Installation & Label
328946X	Kit Caution Labels 1
379085-2	Label Instruction P.T.O. Shifting 1
379624	Warranty Card 1
69-P-12	Label Caution 1
22-P-124	Gasket Mounting 1
Safety Guide	HY25-1002-M1/US 1
Owners Manual	HY25-1248-M1/US 1
329376-5X	Kit Soft Goods Service Kit, CGP-P11 Pump
8611-023-Q1N	Soft Goods 1
28-P-276	O-Ring 1.674" x .103" 1
379688	Lubricant Spline..... 1
329617X	Wiring Harness E.O.C.
379502	Pressure Switch 1
379698	Elbow Male 90° .438" 24 x .125" - 27 1
380089	Adapter M10 x .125" - 27..... 1
379817	Grommet 1
329232-1X	Hose Assembly 1
8000-21X	P.T.O. Mounting Stud Kit 1
379744	Flange Nut .375" (3/8") - 24..... 3
380073	Bolt Flange Hex Head M10 x 1.5" - 45mm ... 3
379428-18	Metric Stud M10 - 1.5 x 3.75" - 24 x 2.0" 1
379428-24	Metric Stud M10 - 1.5 x 3.75" - 24 x 2.375" .. 2
69-P-13	Label Caution 1

329651X	Kit Installation & Mounting Non E.O.C. ("B" Shift Option)
379502	Pressure Switch 1
379698	Elbow Male 90° .438" - 24 x .125" - 27 1
380089	Adapter M10 x .125" - 27..... 1
379817	Grommet 1
329232-1X	Hose Assembly 1
8000-21X	P.T.O. Mounting Stud Kit..... 1
69-P-13	Label Caution 1
329616X	Wiring Harness Non E.O.C..... 1
329652X	Kit Installation & Mounting E.O.C. ("K" Shift Option)
329617X	Wiring Harness E.O.C..... 1
379502	Pressure Switch..... 1
379698	Elbow Male 90° .438" 24 x .125" - 27 1
380089	Adapter M10 x .125" - 27..... 1
379817	Grommet..... 1
329232-1X	Hose Assembly..... 1
8000-21X	P.T.O. Mounting Stud Kit 1
379744	Flange Nut .375" (3/8") - 24..... 3
380073	Bolt Flange Hex Head M10 x 1.5" - 45mm .. 3
379428-18	Metric Stud M10 - 1.5 x 3.75" - 24 x 2.0" 1
379428-24	Metric Stud M10 - 1.5 x 3.75" - 24 x 2.375" .. 2
69-P-13	Label Caution 1
329804X	Kit Installation & Mounting
329789X	Wire Harness..... 1
329790X	Kit Heat Shield..... 1
379502	Switch Pressure..... 1
379972	Elbow 45° 1
380089	Adapter M10..... 1
385096	Grommet..... 1
329232-1X	Hose Assembly..... 1
8000-21X	P.T.O. Mounting Kit..... 1
69-P-13	Label Caution 1
328949-6X	Gasket Installation Instructions 221CAJ, EAJ
379624	Product Warranty Card 1
328946X	Caution Label Kit..... 1
35-P-41	Gasket, Housing..... 1
379085-1	P.T.O. Instructions Decal..... 1
Owners Manual	HY25-1135-M1/US 1
Safety Guide	HY25-1002-M1/US 1
8000-21X	P.T.O. Mounting Stud Kit 1
379744	Flange Nut .375" (3/8") - 24..... 3
380073	Bolt Flange Hex Head M10 x 1.5" - 45mm ... 3
379428-18	Metric Stud M10 - 1.5" x 3.75" - 24 x 2.0" 1
379428-24	Metric Stud M10 - 1.5" x 3.75" - 24 x 2.375" 2

Offer of Sale

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3. Delivery Dates; Title and Risk; Shipment. All delivery dates are approximate and Seller shall not be responsible for any damages resulting from any delay. Regardless of the manner of shipment, title to any products and risk of loss or damage shall pass to Buyer upon placement of the products with the shipment carrier at Seller's facility. Unless otherwise stated, Seller may exercise its judgment in choosing the carrier and means of delivery. No deferment of shipment at Buyers' request beyond the respective dates indicated will be made except on terms that will indemnify, defend and hold Seller harmless against all loss and additional expense. Buyer shall be responsible for any additional shipping charges incurred by Seller due to Buyer's acts or omissions.

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7. User Responsibility. The user, through its own analysis and testing, is solely responsible for making the final selection of the system and Product and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application and follow applicable industry standards and Product information. If Seller provides Product or system options, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the Products or systems.

8. Loss to 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, will be considered obsolete and may be destroyed by Seller after two consecutive years have elapsed without Buyer ordering the items 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. Special Tooling. A tooling charge may be imposed for any special tooling, including without limitation, dies, fixtures, molds and patterns, acquired to manufacture Products. 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 Products, 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.

10. Buyer's Obligation; Rights of Seller. To secure payment of all sums due or otherwise, Seller shall retain a security interest in the goods delivered and this agreement shall be deemed a Security Agreement under the Uniform Commercial Code. Buyer authorizes Seller as its attorney to execute and file on Buyer's behalf all documents Seller deems necessary to perfect its security interest.

11. Improper use and Indemnity. Buyer shall indemnify, defend, and hold Seller harmless from any claim, liability, damages, lawsuits, and costs (including attorney fees), whether for personal injury, property damage, patent, trademark or copyright infringement or any other claim, brought by or incurred by Buyer, Buyer's employees, or any other person, arising out of: (a) improper selection, improper application or other misuse of Products purchased by Buyer from Seller; (b) any act or omission, negligent or otherwise, of Buyer; (c) Seller's use of patterns, plans, drawings, or specifications furnished by Buyer to manufacture Product; or (d) Buyer's failure to comply with these terms and conditions. Seller shall not indemnify Buyer under any circumstance except as otherwise provided.

12. Cancellations and Changes. Orders shall not be subject to cancellation or change by Buyer for any reason, except with Seller's written consent and upon terms that will indemnify, defend and hold Seller harmless against all direct, incidental and consequential loss or damage. Seller may change product features, specifications, designs and availability with notice to Buyer.

13. Limitation on Assignment. Buyer may not assign its rights or obligations under this agreement without the prior written consent of Seller.

14. Force Majeure. Seller does not assume the risk 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, strikes or labor disputes, acts of any government or government agency, acts of nature, delays or failures in delivery from carriers or suppliers, shortages of materials, or any other cause beyond Seller's reasonable control.

15. Waiver and Severability. Failure to enforce any provision of this agreement will not waive that provision nor will any such failure prejudice Seller's right to enforce that provision in the future. Invalidation of any provision of this agreement by legislation or other rule of law shall not invalidate any other provision herein. The remaining provisions of this agreement will remain in full force and effect.

16. Termination. Seller may terminate this agreement for any reason and at any time by giving Buyer thirty (30) days written notice of termination. Seller may immediately terminate this agreement, in writing, if Buyer: (a) commits a breach of any provision of this agreement (b) appoints a trustee, receiver or custodian for all or any part of Buyer's property (c) files a petition for relief in bankruptcy on its own behalf, or by a third party (d) makes an assignment for the benefit of creditors, or (e) dissolves or liquidates all or a majority of its assets.

17. Governing Law. This agreement and the sale and delivery of all Products hereunder shall be deemed to have taken place in and shall be governed and construed in accordance with the laws of the State of Ohio, as applicable to contracts executed and wholly performed therein and without regard to conflicts of laws principles. Buyer irrevocably agrees and consents to the exclusive jurisdiction and venue of the courts of Cuyahoga County, Ohio with respect to any dispute, controversy or claim arising out of or relating to this agreement.

18. 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 Section. Seller will defend and indemnify Buyer against allegations of infringement of U.S. patents, U.S. trademarks, copyrights, trade dress and trade secrets ("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 a Product sold pursuant to this Agreement 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 a Product 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 the Product, replace or modify the Product so as to make it noninfringing, or offer to accept return of the Product 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 Products 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 Product sold hereunder. The foregoing provisions of this Section shall constitute Seller's sole and exclusive liability and Buyer's sole and exclusive remedy for infringement of Intellectual Property Rights.

19. Entire Agreement. This agreement contains the entire agreement between the Buyer and Seller and constitutes the final, complete and exclusive expression of the terms of sale. All prior or contemporaneous written or oral agreements or negotiations with respect to the subject matter are herein merged.

20. Compliance with Law, U. K. Bribery Act and U.S. Foreign Corrupt Practices Act. Buyer agrees to comply with all applicable laws and regulations, including both those of the United Kingdom and the United States of America, and of the country or countries of the Territory in which Buyer may operate, including without limitation the U. K. Bribery Act, the U.S. Foreign Corrupt Practices Act ("FCPA") and the U.S. Anti-Kickback Act (the "Anti-Kickback Act"), and agrees to indemnify and hold harmless Seller from the consequences of any violation of such provisions by Buyer, its employees or agents. Buyer acknowledges that they are familiar with the provisions of the U. K. Bribery Act, the FCPA and the Anti-Kickback Act, and certifies that Buyer will adhere to the requirements thereof. In particular, Buyer represents and agrees that Buyer shall not make any payment or give anything of value, directly or indirectly to any governmental official, any foreign political party or official thereof, any candidate for foreign political office, or any commercial entity or person, for the purpose of influencing such person to purchase products or otherwise benefit the business of Seller.

02/12





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