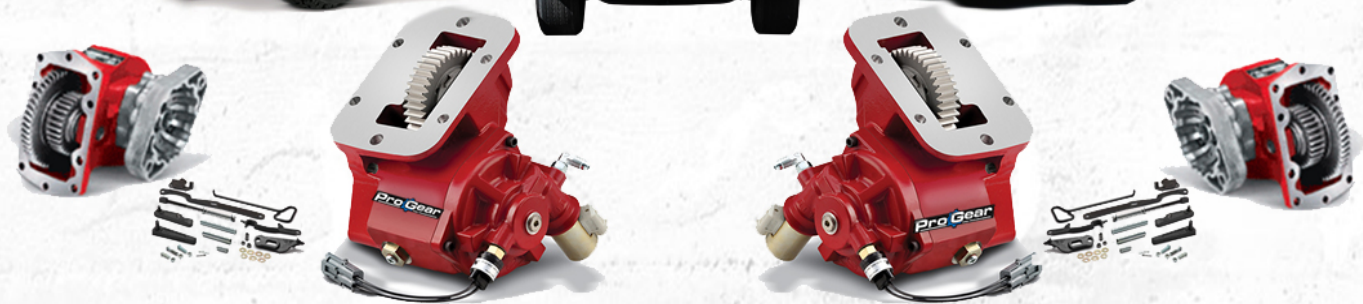




Chelsea PTO 867 Parts Manual

Pro Gear Chelsea 867 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[®]

Parts List

867 Series

[CLICK TO RETURN TO SITE](#)

Effective: May 15, 2006

Bulletin HY25-2867-M1/US





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.

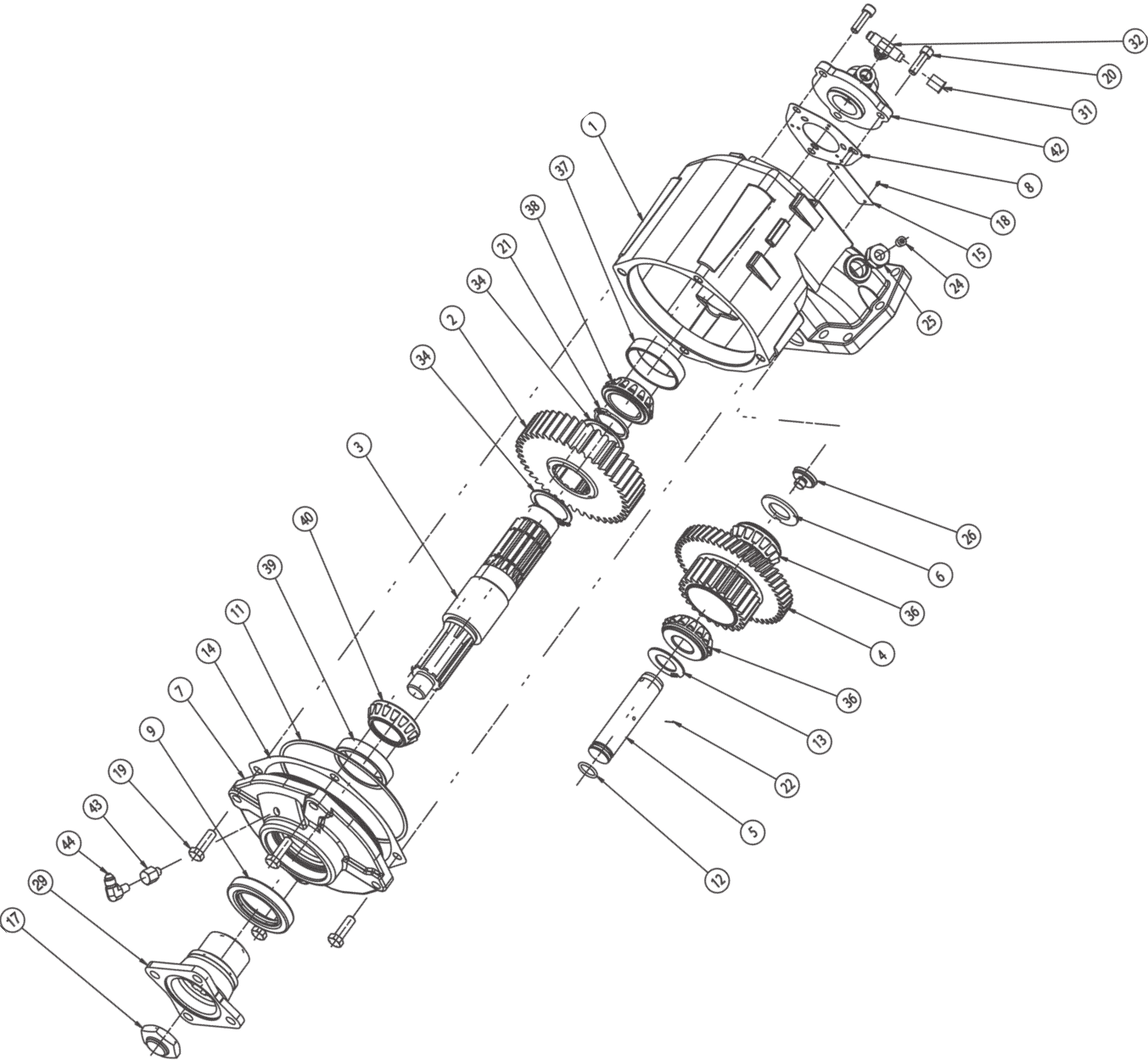
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Bill of Materials

867 Series

Item	Part Number	Description	Quantity
1	▶ 1-P-609X	P.T.O. Housing	1
2	See Page 3	Output Gear	1
3	See Below	Output Shaft	1
	▶ 3-P-904	Output Shaft "XV" Output	
	See Page 4	Output Shaft	
4	See Page 3	Input Gear	1
5	▶ 9-P-92	Idler Shaft (Pressure Lube)	1
6	14-P-80-1	Tabbed Washer (.110"-.112")	1 or
	14-P-80-2	Tabbed Washer (.115"-.117")	1 or
	14-P-80-3	Tabbed Washer (.120"-.122")	1 or
	14-P-80-4	Tabbed Washer (.124"-.126")	1
7	See Below	Bearing Cap	1
	▶ 21-P-596	Bearing Cap "XV" Output	
	See Page 4	Bearing Cap	
8	▶ 22-P-112	Gasket, Valve Cap	1
9	See Below	Oil Seal	1
	▶ 28-P-211	Oil Seal "XV" Output	
	See Page 4	Oil Seal	
11	▶ 28-P-196	O-Ring	1
12	▶ 28-P-198	O-Ring	1
13	▶ 31-P-94	Thrust Washer	1
14	55-P-20-1	Shim, Bearing Cap (.003 Green)	A.R.
	55-P-20-2	Shim, Bearing Cap (.010 Brown)	
	55-P-20-3	Shim, Bearing Cap (.020 Yellow)	
15	▶ 68-P-2	Name Plate	1
17	378382	Hex Locknut "XV", "AB", "AC" Output Only	1
18	▶ 378422	Drive Screw	2
19	▶ 378431-11	Hex Capscrew (.375"-16 x 1.125")	4
20	▶ 378447-6	Socket Capscrew (.312"-18 x 1.000")	3
21	▶ 379746	Lockring	1
22	▶ 378856	Wiggler Wire	1
24	▶ 379231	Pipe Plug (.125"-27 NPTF)	1
25	▶ 379242	O-Ring Boss Plug	1
26	▶ 379719	NWD Plug	1
29	See Below	Companion Flange	1
	3-1-3431	Companion Flange, "XV" Output	
	See Page 4	Companion Flange	
31	▶ 379564-2	Shipping Cap	1
32	▶ 379556	Run Tee, O-Ring Boss	1
34	▶ 379668	Lockring (5100-175)	2
36	▶ 560978	Tapered Bearing Cone	2
37	▶ 560982	Tapered Bearing Cup, "XV" Output	1
38	▶ 560986	Tapered Bearing Cone	1
39	See Below	Tapered Bearing Cup	1
	▶ 560982	Tapered Bearing Cup, "XV" Output	
	See Page 4	Tapered Bearing Cup	
40	See Below	Tapered Bearing Cone	1
	▶ 560986	Tapered Bearing Cone, "XV" Output	
	See Page 4	Tapered Bearing Cone	

A.R.—As Required

Continued on next page

Bill of Materials

Item	Part Number	Description	Quantity
42	21-P-690	Cap, Seal	1
43	379594	Pipe Adapter: Restrictor	1
44	379625	90° Elbow	1
		Loose Parts	
	328948-9X	Gasket & Installation Instructions	1
	7170-86X	Mounting Kit, "FJ" Input Gear	1
	7170-118X	Mounting Kit, "KV" Input Gear	1
	329130-1X	Flex-Hose	1
		Service Kits	
	329071-38X	Bearing Kit ("XS", "AF" output)	
	329071-39X	Bearing Kit ("XV", "AB" & "AC" output)	
	329071-40X	Bearing Kit ("XY" output)	
	329071-27X	Gasket & Seal Kit ("XS" output)	
	329071-28X	Gasket & Seal Kit ("XV", "AB" & "AC" output)	
	329071-29X	Gasket & Seal Kit ("XY" output)	
	329071-34X	Gasket & Seal Kit ("AF" output)	

Gear Chart

Model Number	Input Gear Part Number Item No. 4	Helix Angle	Number Teeth Lg/Sm	Output Gear Item No. 2	
				Part Number	Number Teeth
867*GFJ	5-P-1160	RH	50/24	2-P-765	43
867*MFJ	5-P-1161	RH	50/28	2-P-766	39
867*RFJ	5-P-1162	RH	50/31	2-P-767	36
867*TFJ	5-P-1212	RH	50/34	2-P-772	33
867*GKV	5-P-1360	LH	45/24	2-P-765	43
867*MKV	5-P-1398	LH	45/28	2-P-766	39
867*RKV	5-P-1399	LH	45/31	2-P-767	36
867*TKV	5-P-1401	LH	45/34	2-P-772	33

Hose Chart Allison

Pressure Hose Chart (Transmission to P.T.O.)				
Trans	Location	Hose	Comments	
MD	Left	329130-5X	26.5" w/o Hose Clamp	
MD	Right	329075-1X	26.5" w/ Hose Clamp	
HD	Left	329130-4X	22.0" w/o Hose Clamp	
HD	Right	329075-2X	42.0" w/ Hose Clamp	

Hose Chart Caterpillar

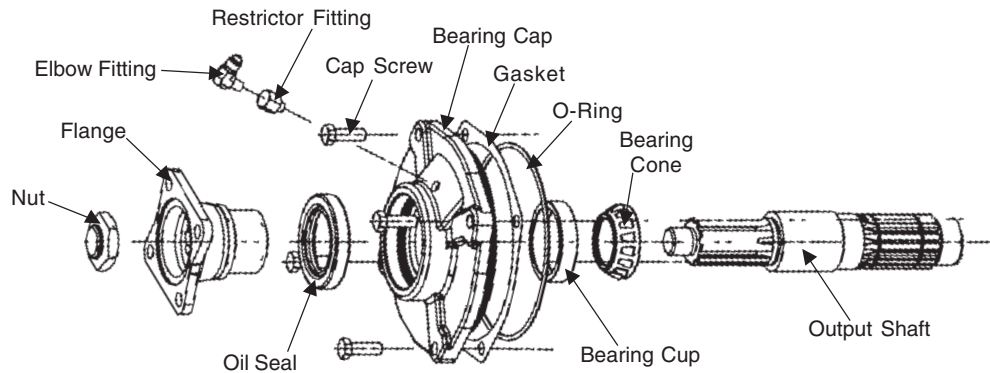
Trans.	P.T.O.	P.T.O. Location	High Oil Pressure Location	P.T.O. Valve Location	P.T.O. Fitting	Trans. Fitting	Trans.-P.T.O. Valve Hose #
CX31	867	Driver (LHS)	LHS	N/A	379486	379812	329130-3X
		Driver (LHS)	Rear				329075-5X
		Pass. (RHS)	LHS				329075-2X
		Pass. (RHS)	Rear			379486	329075-5X

LHS = Left Side of Transmission, 8 o'clock position

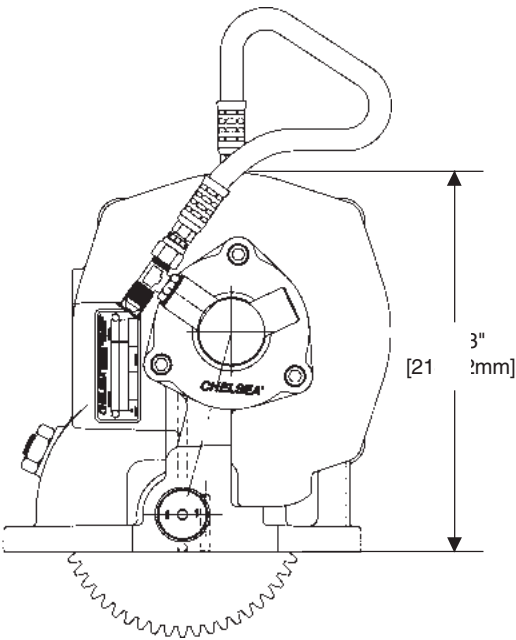
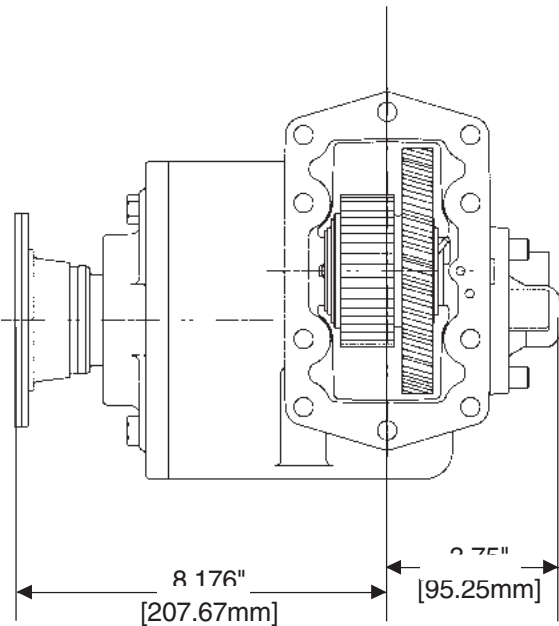
RHS = Right Side of Transmission, 1 o'clock position

NOTES:

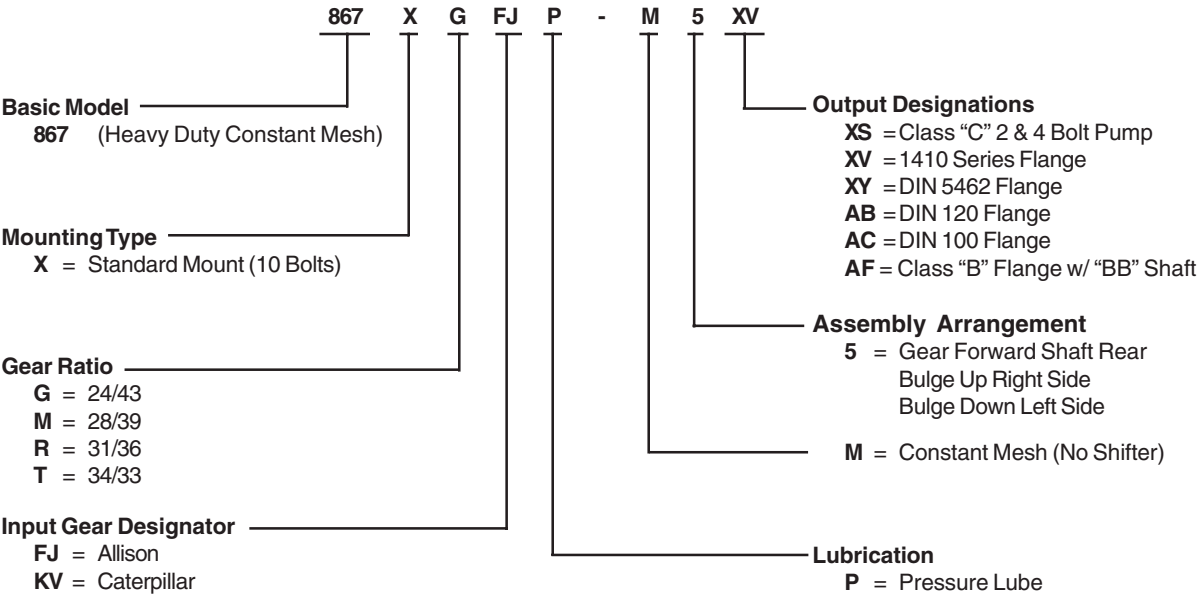
1. P.T.O. Fitting 379486 and Transmission Fitting 379812 included with the P.T.O. Unit. If Using 379486 in Transmission it Must be Purchased Separately
2. Hoses to be Purchased Separately

Output Bill of Materials**Power Take-Off
867 Series**

Item	Part Number	Description	Quantity
AB	3-P-904	Output Shaft	1
	► 21-P-596	Bearing Cap	1
	► 28-P-211	Oil Seal	1
	378382	Hex Locknut	1
	► 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	► 379558	Companion Flange	1
	► 560982	Bearing Cup	1
	► 560986	Bearing Cone	1
	► 379594	Pipe Adapter, Restrictor	1
	► 379625	90° Elbow	1
AC	3-P-904	Output Shaft	1
	► 21-P-596	Bearing Cap	1
	► 28-P-211	Oil Seal	1
	378382	Hex Locknut	1
	► 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	► 379742	Companion Flange	1
	► 560982	Bearing Cup	1
	► 560986	Bearing Cone	1
	► 379594	Pipe Adapter, Restrictor	1
	► 379625	90° Elbow	1
AF	3-P-951	Output Shaft	1
	► 21-P-592	Bearing Cap	1
	► 28-P-219	Oil Seal	1
	► 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	► 560977	Bearing Cup	1
	► 560976	Bearing Cone	1
	► 379594	Pipe Adapter, Restrictor	1
	► 379625	90° Elbow	1
	► 379231	Pipe Plug	1
	► 28-P-259	O-Ring	1
XS	3-P-903	Output Shaft	1
	► 21-P-544	Bearing Cap	1
	► 28-P-219	Oil Seal	1
	► 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	► 560977	Bearing Cup	1
	► 560976	Bearing Cone	1
	► 379594	Pipe Adapter, Restrictor	1
	► 379625	90° Elbow	1
	► 379231	Pipe Plug	1
	► 28-P-245	O-Ring	1
XY	3-P-905	Output Shaft	1
	► 21-P-615	Bearing Cap	1
	► 28-P-267	Oil Seal	1
	► 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	► 560984	Bearing Cup	1
	► 560985	Bearing Cone	1
	► 379594	Pipe Adapter, Restrictor	1
	► 379625	90° Elbow	1
	► 22-P-84	Gasket	1



Model Number Designation



[illegible]

[illegible]

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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, 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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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.

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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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