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ProGear AND TRANSMISSION

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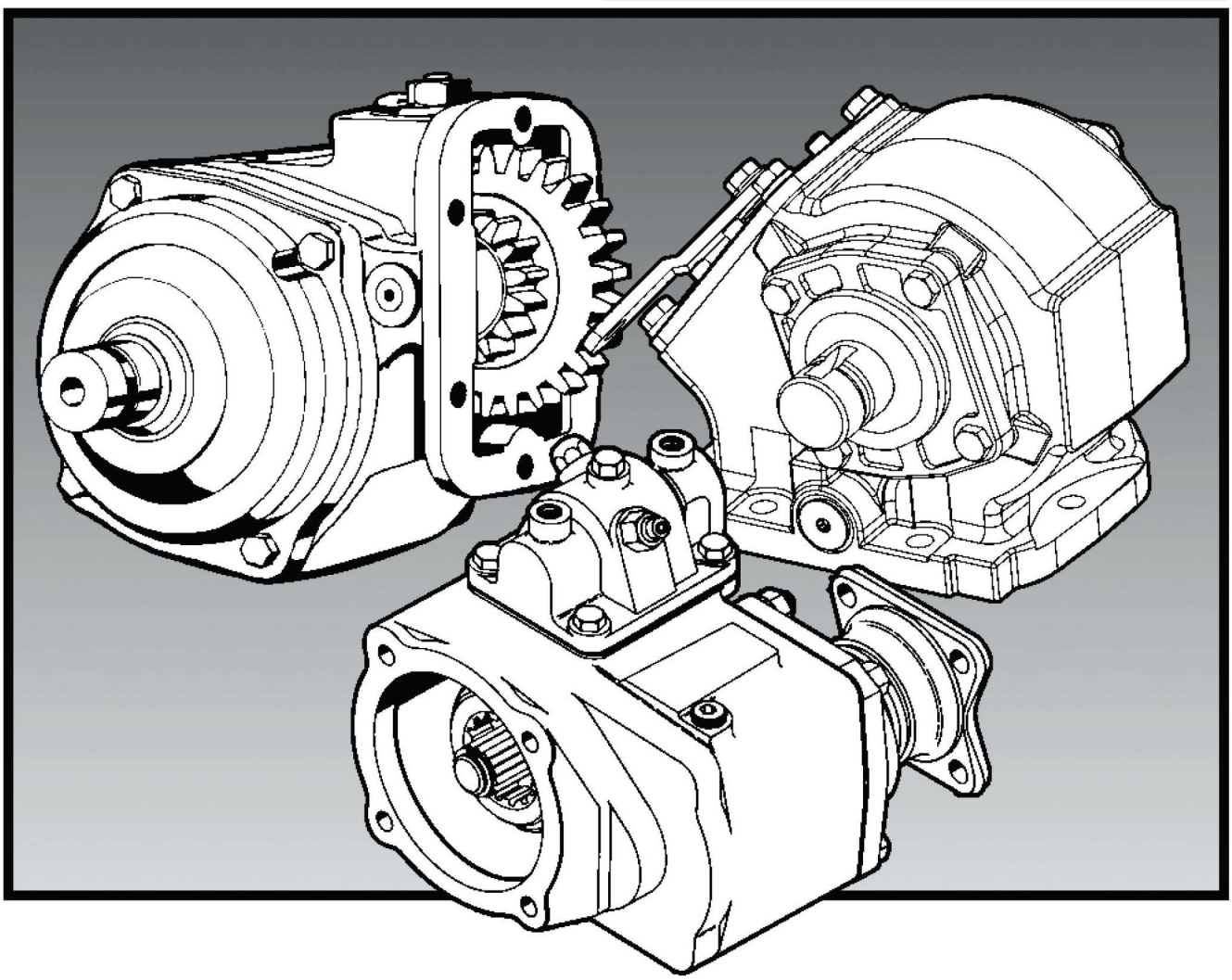
(877) 776-4600 or (407) 872-1901 parts@eprogear.com

CHELSEA®
Replacement Parts List 863 Series Manual

Bulletin HY25-2863-M1/US

Effective: February 15, 2002
Supersedes: P410-862 Dated December 1981



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⚠ WARNING

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Chelsea Products Division
Olive Branch, MS 38654 USA

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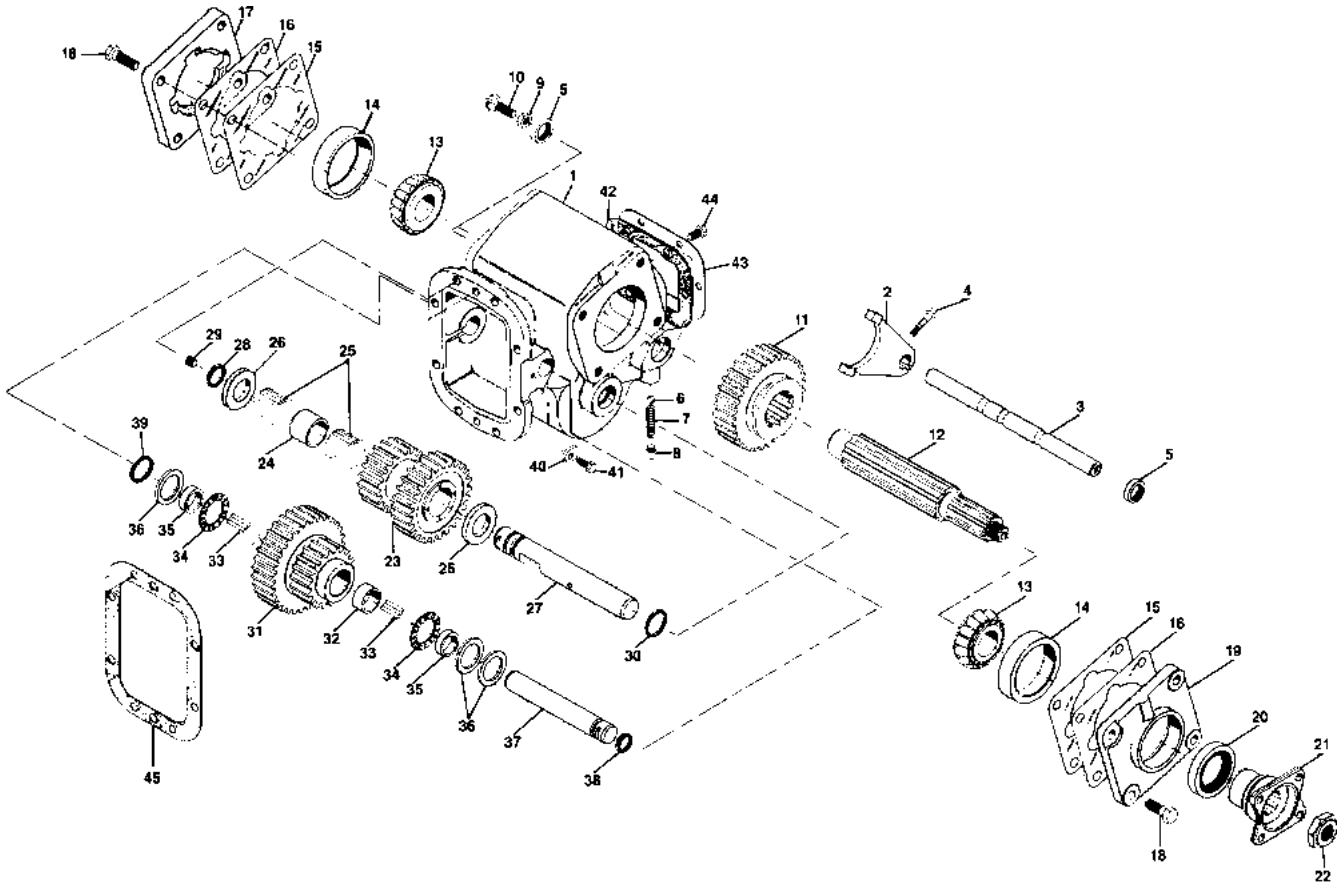

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Item		Part Number	Description	Quantity
1	▶	1-P-134	Housing	1
2	▶	32-P-122	Shifter Fork	1
3	▶	11-P-137	Shifter Shaft	1
4	▶	378916	Screw, Hex Head (.375" - 24 X 1.375" With Patch)	1
5	▶	28-P-218	Oil Seal	2
6	▶	378002	Shifter Ball	2
7	▶	37-P-51	Shifter Spring	2
8	▶	38-P-8	Spring Cap (.50"-20)	2
9	▶	500381-3	Jam Nut, Hex Head (.375" -24)	1
10	▶	36-P-1	Eye Bolt (.375" -24)	1
11	▶	2-P-312	Gear, Output	1
12	▶	3-P-359	Drive Shaft, Output	1
	▶	3-P-867	Drive Shaft (Self Lube "LG")	
13	▶	560945	Bearing Cone	2
14	▶	560946	Bearing Cup	2
15		55-P-6-1	Plastic Shim (.003")	A.R.
		55-P-6-2	Plastic Shim (.010")	A.R.
16	▶	55-P-19	Shim Gasket	2
17A		329105X	Lube Pump & Bearing Cap Assy ("LG") page 3	1 or
17	▶	21-P-66	Bearing Cap, Closed End	1
18	▶	378433-14	Screw, Hex Head (.50"-13 X 1.5")	8
19	▶	21-P-65	Bearing Cap, Output	1
20	▶	28-P-211	Oil Seal	1
21		3-1-3431	Companion Flange, 1410 Series	1
22		378382	Nut, Hex Head	1
23	▶	33-P-53	Gear, Reverse Idler	1
	▶	328368-1X	**REVERSE IDLER NEEDLE BEARING SERVICE KIT** (Contains Items 24-26)	1
24	▶	14-P-28	Needle Bearing Spacer, Reverse Idler	1
25	▶	378389	Needle Bearing (Two Sets, 24 Per Set)	48
26	▶	4-P-50	Spacer	2
27	▶	9-P-30	Shaft, Reverse Idler	1
	▶	9-P-73	Shaft, Reverse Idler (Self Lube "LG")	
28	▶	28-P-247	O-Ring (1.25" Outside Diameter)	1
29		500132-3	Oil Plug (.125"-27)	1
30	▶	28-P-241	O-Ring (1.5" Outside Diameter)	1
31		See Chart Pg. 4	Gear, Input	1
	▶	328368X	**INPUT NEEDLE BEARING SERVICE KIT** (Contains Items 32-33)	1
32	▶	14-P-27	Needle Bearing Spacer, Input	1
33	▶	378389	Needle Bearing (Two Sets, 21 Per Set)	42
	▶	328678-10X	**INPUT SHAFT THRUST BEARING SERVICE KIT** (Contains Items 34-36)	1
34	▶	378769	Thrust Bearing Washer	2
35	▶	14-P-51	Needle Bearing Spacer, Input	2
36	▶	31-P-55	Thrust Race	3
37	▶	9-P-28	Shaft, Input	1
		9-P-77	Shaft, Input (Self Lube "LG")	
38	▶	28-P-240	O-Ring (1.125" Outside Diameter)	1
39	▶	28-P-239	O-Ring (1.3125" Outside Diameter)	1
40	▶	27-P-9	Retainer Plate	2
41	▶	378430-8	Screw, Hex Head (.3125" - 18 X .75")	2
42	▶	35-P-59	Cover Gasket (.032")	1
43	▶	34-P-124	Cover	1
44	▶	378431-10	Screw, Hex Head (.375"-16 X .1.00")	6
			LOOSE PARTS	
45	▶	328948-8X	8 Bolt Gasket & Installation Instructions	1
		35-P-15-2	Gasket, Housing (.020")	A.R.
			P.T.O. MOUNTING STUD KIT	
N.S.		328170-8X	Mounting Stud Kit	(1)

N.S. — Not Shown A.R.—As Required

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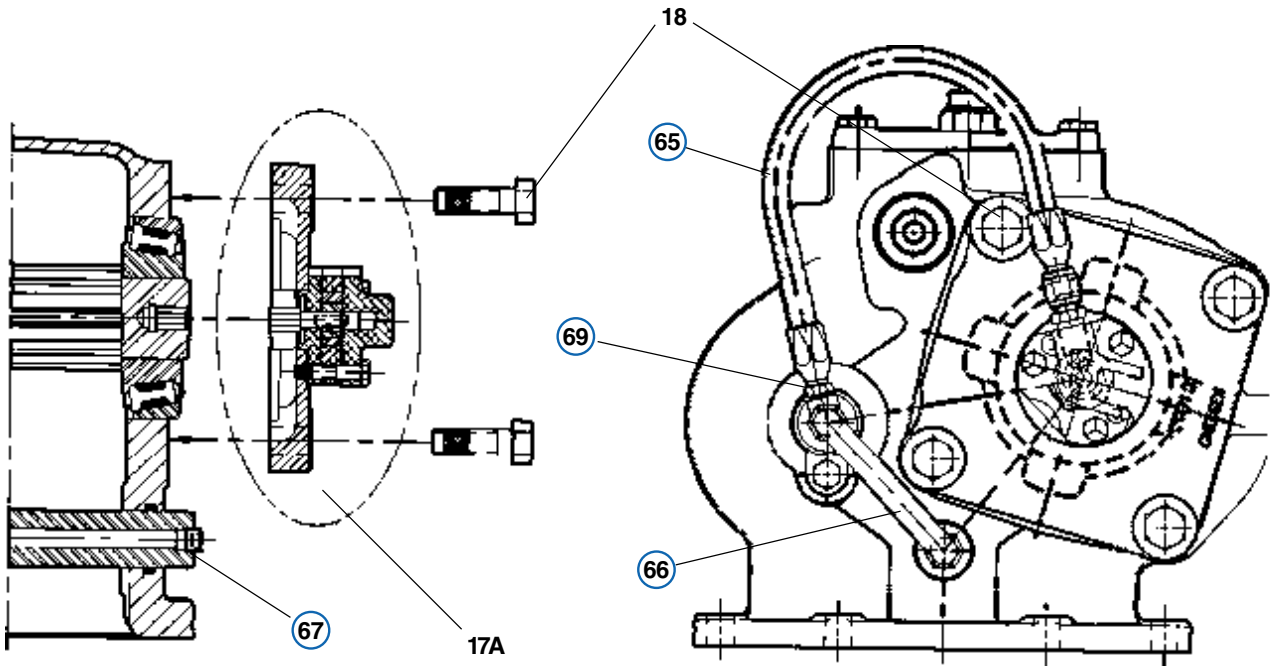

Item	Part Number	Description	Quantity
65 ▶	329092X	Pressure Lube Hose Ass'y 15" (Ship Loose)	1
66	329109X	Pressure Lube Hose Ass'y 12" (Ship Loose)	1
67 ▶	379231	Oil Plug (.125" -27 NPTF)	2
69 ▶	500750-1	Street Tree (.125" -27 NPTF) (Ship Loose)	1

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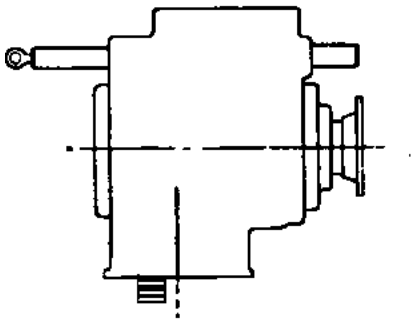
P.T.O. Model	Input Gear	Large Cluster Number of Teeth	Small Cluster Number of Teeth	Pitch & Pressure Angle
863*AB	**5-P-508**	27	18	Spur
863*BAH	**5-P-285**	32	18	Spur
863*BAK	**5-P-223**	32	18	Spur
863*BAR	**5-P-236**	29	18	Left Hand
863*BBG	**5-P-422**	33	18	Left Hand
863*CR	**5-P-498**	26	18	Left Hand
863*DA	**5-P-636**	35	18	Spur

NOTE: When reinstalling the Power Take-Off on the transmission, the backlash between the Power Take-Off gear and the transmission gear should be approximately .006-012". If too few gaskets are used, the unit will whine; if too many, the unit will clatter.

Assembly Arrangements



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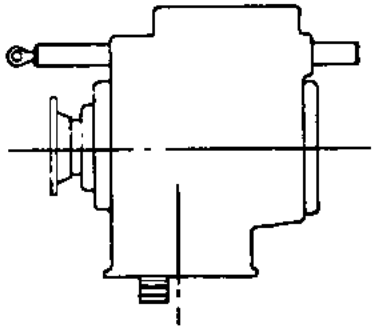

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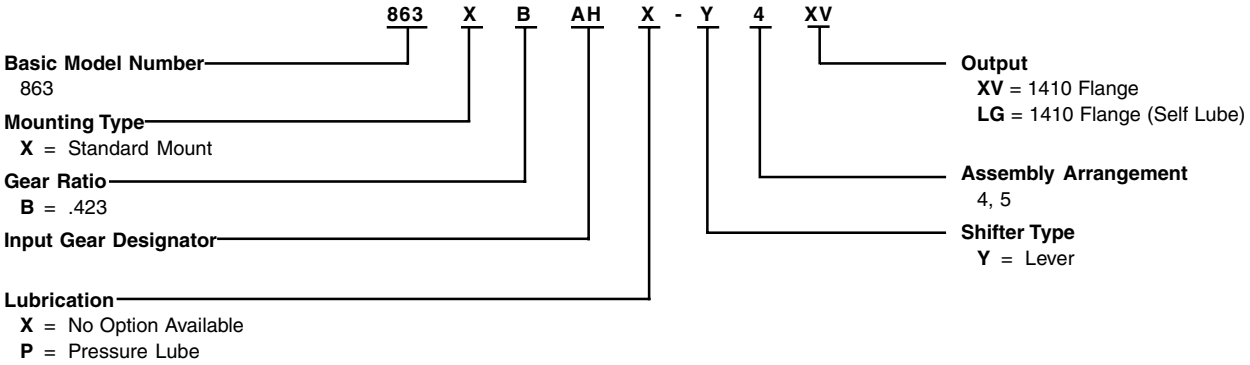
Model Number Designation



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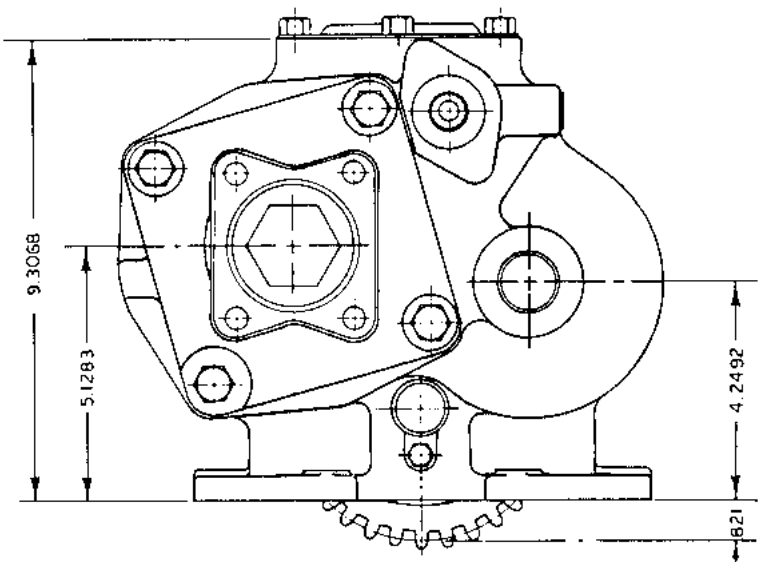

Specifications

Torque Rating	500 Lbs. Ft.*
Horsepower Rating 500 RPM of Output Shaft 1000 RPM of Output Shaft	 47 * 94 *
Approximate Weight	96 Lbs.

* Based on Intermittent Service

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Notes

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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, 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, 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.

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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