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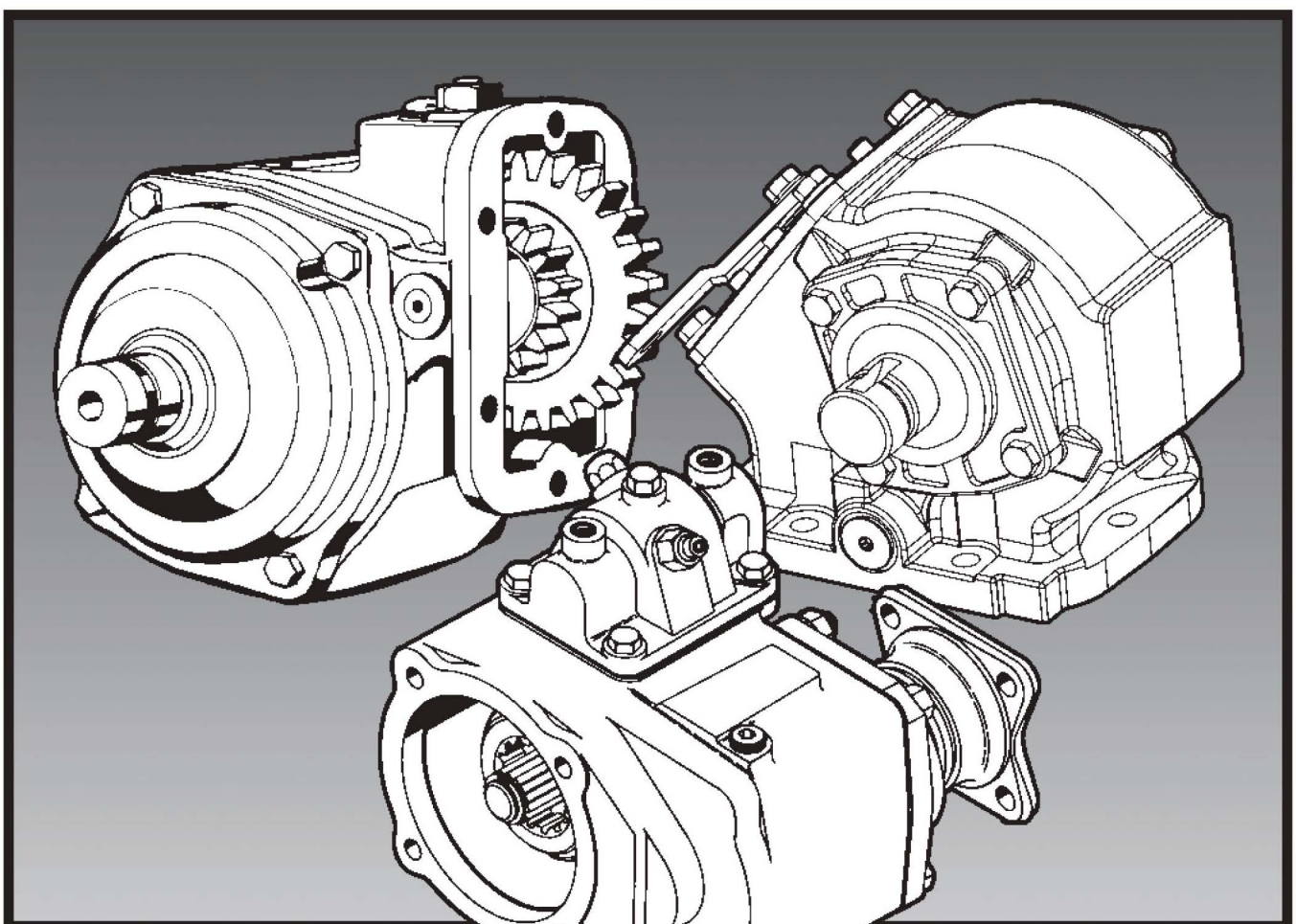
Bulletin HY25-2867-M1/US

CHELSEA®
Replacement Parts List
867 Series Manual

Effective: May 15, 2006



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Chelsea Products Division
Olive Branch, MS 38654 USA

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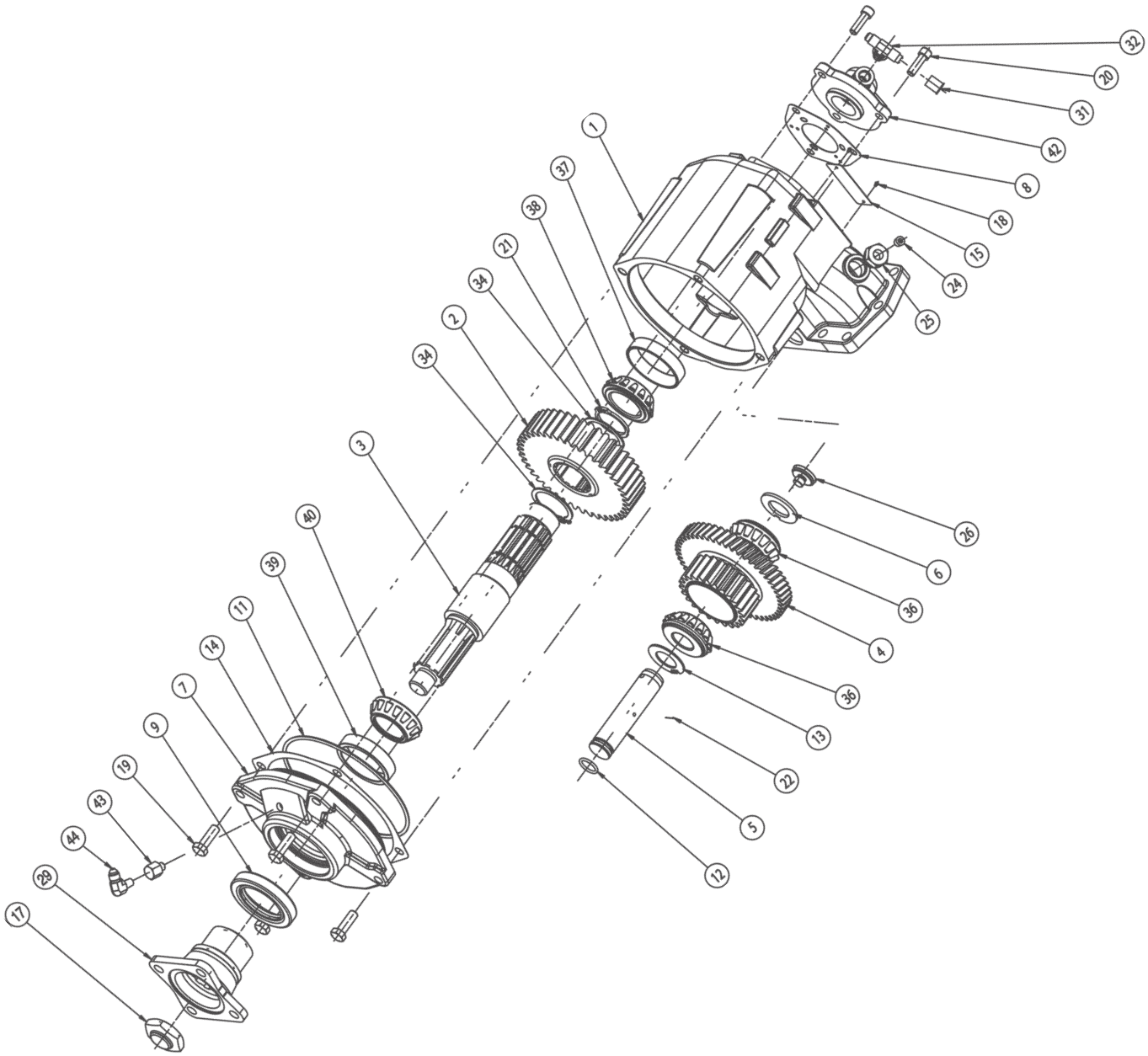

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Item		Part Number	Description	Quantity
1	▶	1-P-609X	P.T.O. Housing	1
2		See Page 3	Output Gear	1
3		See Below	Output Shaft	1
	▶	3-P-904	Output Shaft "XV" Output	
		See Page 4	Output Shaft	
4		See Page 3	Input Gear	1
5	▶	9-P-92	Idler Shaft (Pressure 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

Bulletin HY25-2867-M1/US

Bill of Materials

Power Take-Off

867 Series

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

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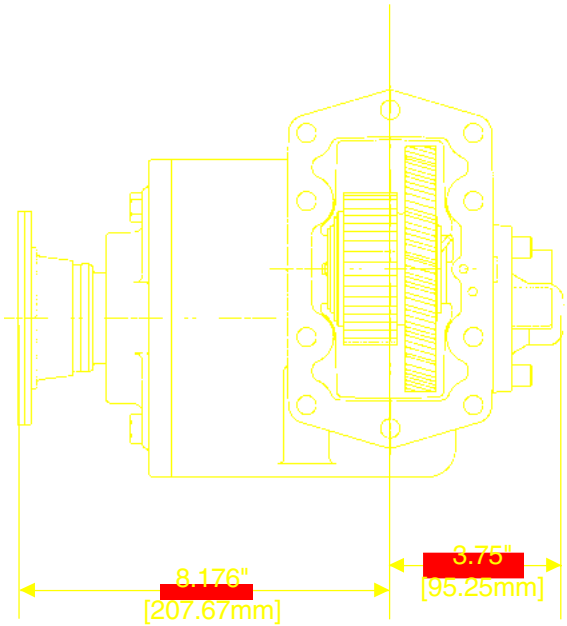
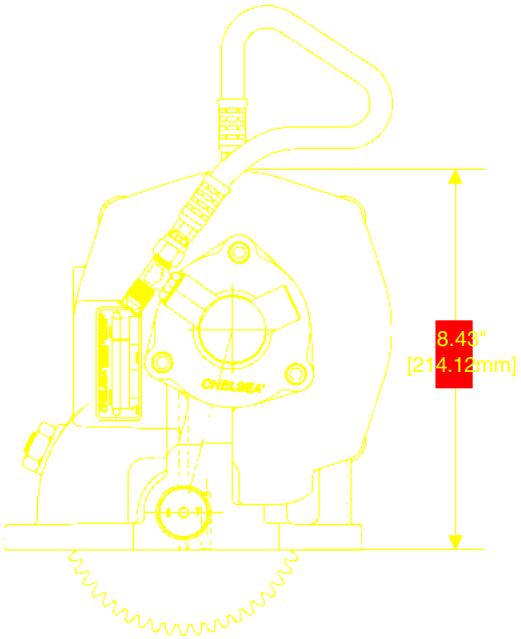
Item	Part Number	Description	Quantity
AB	3-P-904	Output Shaft	1
	▶ 21-P-596	Bearing Cap	1
	▶ 28-P-211	Oil Seal	1
	378382	Hex Locknut	1
	▶ 378431-11	Hex Cap Screw (.375"-16 x 1.125")	4
	▶ 379558	Companion Flange	1
	▶ 560982	Bearing Cup	1
	▶ 560986	Bearing Cone	1
	▶ 379594	Pipe Adapter, Restrictor	1
	▶ 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

867 X G FJ P - M 5 XV

Basic Model
867 (Heavy Duty Constant Mesh)

Mounting Type
X = Standard Mount (10 Bolts)

Gear Ratio
G = 24/43
M = 28/39
R = 31/36
T = 34/33

Input Gear Designator
FJ = Allison
KV = Caterpillar

Lubrication
P = Pressure Lube

Output Designations
XS = Class "C" 2 & 4 Bolt Pump
XV = 1410 Series Flange
XY = DIN 5462 Flange
AB = DIN 120 Flange
AC = DIN 100 Flange
AF = Class "B" Flange w/ "BB" Shaft

Assembly Arrangement
5 = Gear Forward Shaft Rear
Bulge Up Right Side
Bulge Down Left Side

M = Constant Mesh (No Shifter)

Notes

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, 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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