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Allison Transmission has redesigned the transmission nameplates for all 1000/2000 and 3000/4000 Product Family transmissions. The new nameplate design contains only the information essential to the identification of the transmission. The transmission model number will no longer appear on the nameplate, it has been replaced by the serial number. This change was implemented July 2005.

The transmission product family is identified by the first two digits of the transmission serial number:

Serial Number
63xxxxxxx
65xxxxxxx
66xxxxxxx

Product Family 1000 and 2000 Product Family 3000 Product Family 4000 Product Family

"SP" models will contain additional information to accommodate military applications. The transmission E-number is embossed on the "SP" models and when required for other models sold to the military. The transmission model number is embossed on the nameplate for "SP" model and "MD" and "HD" models sold to the military. The model number will not be embossed for any other model. (Ref: Allison Watch #335 Rev. A)

For further assistance contact Allison Technical Assistance at (800) 252-5283.



FORMER

REDESIGNED

REDESIGNED



Figure 1. 1000 and 2000 Product Families Nameplates

FORMER

Figure 2. 3000 and 4000 Product Families Nameplates

January 2012



Allison

890 Fami	ily F	itment to T	ransmission						•	
Application		Mounting	_		I	Flang	je Op	tions		
Page	Arr.	P.T.O. Code	Transmission Location	XS	XK/AF/AZ	XY	DA	ZS	CS	CK/CF/CZ
3000 Series	Side S	Side					1	1	1	
All-13	5	L	Left side	L	L	L	L			
All-13	5	R	Right side	R	R	R	R			
All-13C	—	N/A	Left side w/Cooler							
All-13C	5	R	Right side w/Cooler	R	R	R				
All-13R	5	М	Left side w/Retarder	М	М	М				
All-13R	—	N/A	Right side w/Retarder							
3000 Series	Side 1	Гор								
All-16	5	E	Left side	Е	E	Е	E			
All-16	5	Т	Right Top side	Т	Т	Т	Т			
All-16EV	5	E	Left side							
			(w/o cooler or retarder)	E	Е	Е	E			
All-16EV	5	Т	Right Top side							
			(w/o cooler or retarder)	Т	Т	Т	Т			
All-16C	—	N/A	Left side w/Cooler							
All-16C	5	Т	Right Top side w/Cooler	Т	Т	Т	Т			
All-16R	5	F	Left side w/Retarder	F	F	F				
4000 Series	5-Spe	ed								
All-14	5	Н	Left side	Н	Н	Н	Н			
All-14	5	U	Right Top side	U	U	U	U			
All-14C	3	С	Left side w/Cooler			С		С	С	С
All-14C	5	U	Right Top side w/Cooler	U	U	U	U			
All-14R	5	Р	Left side w/Retarder		Р	Р		Р		
All-14R	3	J	Left side w/Retarder			J		J	J	J
All-14R	5	К	Right Top side w/Retarder	К	K	К				
4700/4800 S	eries	7-Speed								
All-19	5	Н	Left side	Н	Н	Н	Н			
All-19	5	U	Right Top side	U	U	U	U			
All-19C	3	С	Left side w/Cooler		С	С		С	С	С
All-19C	5	U	Right Top side w/ Cooler	U	U	U	U			
All-19R	5	Р	Left side w/Retarder		Р	Р		Р		
All-19R	3	J	Left side w/Retarder			J		J	J	J
All-19R	5	К	Right Top side w/Retarder	К	К	К				

N/A = No Application

Arr. = Assembly Arrangement



	P.T.O.	Number	Teeth in
Transmission Make and Model	Appl.	Forward	P.T.O.
	Number	Speeds	Driver
AT-540	ALL-4	4	R55
AT-542	ALL-4	4	R55
AT-543	ALL-4	4	R55
AT-545	ALL-4	4	R55
B 210	ALL-15	5	L64-R64
B 220	ALL-15	5	L64-R64
B 300	ALL-13	6	L68-R68
B 400	ALL-13	6	L68-R68
B 500	ALL-14	6	L97-T97
CLBT-750	ALL-6	5	L78
CLBT-750 (With Optional 8-Bolt Opening Ahead of Torque Converter)	ALL-12	5	L64-T40
CLBT-754	ALL-6	5	L78
CLBT-754 (With Optional 8-Bolt Opening Ahead of Torque Converter)	ALL-12	5	L64-T40
CLT-750	ALL-6	5	L78
CLT-750 (With Optional 8-Bolt Opening Ahead of Torque Converter)	ALL-12	5	L64-T40
CLT-754	ALL-6	5	L78
CLT-754 (With Optional 8-Bolt Opening Ahead of Torque Converter)	ALL-12	5	L64-T40
CLT-9485	ALL-11	6	R52
CLT-9880	ALL-11	6	R52
CLT-9884	ALL-11	6	R52
CLT-9885	ALL-11	6	R52
H8610 (H = Hauling Mode)	ALL-11	8	R52
HD-4060P (Close Ratio)	ALL-14	6	L97-T97
HD-4070P	ALL-14	7	L97-T97
HD-4560P (Wide Ratio)	ALL-14	6	L97-T97
HT-740CRD	ALL-6	4	L78
HT-740D	ALL-6	4	L78
HT-740DRD	ALL-6	4	L78
HT-740T	ALL-6	4	L78
HT-750CRD	ALL-6	5	L78
HT-750CRD (W/Optional 8-Bolt Opening Ahead of Torque Converter)	ALL-12	5	L64-T40
HT-750D	ALL-6	5	L78
HT-750DP	ALL-6	5	L78
HT-750DRD	ALL-6	5	L78
HT-750DT	ALL-6	5	L78
HT-750HT	ALL-6	5	L78



IMPORTANT: See Safety Information in Section I of the Chelsea Applications catalog HY25-3000/US. Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side For transmission not listed, contact your authorized Chelsea Distributor.

	P.T.O.	Number	Teeth in
Transmission Make and Model	Appl.	Forward	P.T.O.
	Number	Speeds	Driver
HT-750T	ALL-6	5	L78
HT-754CR	ALL-6	5	L78
M5600 (M = Mobil Mode)	ALL-8	6	R46
M5610 (M = Mobil Mode)	ALL-8	6	R46
M5620 (M = Mobile Mode)	ALL-8	6	R46
M6510 (M = Mobile Mode)	ALL-8	6	R46
M6520 (M = Mobile Mode)	ALL-8	6	R46
M6600 (M = Mobil Mode)	ALL-8	6	R46
M8610 (M = Mobile Mode)	ALL-11	8	R52
M9600 (M = Mobil Mode)	ALL-11	6	R52
M9800 (M = Mobil Mode)	ALL-11	8	R52
MD-3060P (Close Ratio)	ALL-13	6	L68-R68
MD-3066P (Europe Only)	ALL-16	6	L83-T83
MD-3070P (Close Ratio)	ALL-13	7	L68-R68
MD-3560P (Wide Ratio)	ALL-13	6	L68-R68
MT-640	ALL-5	4	R64
MT-643	ALL-5	4	R64
MT-644	ALL-5	4	R64
MT-650	ALL-5	5	R64
MT-653	ALL-5	5	R64
MT-654	ALL-5	5	R64
S5600 (S = Stationary Mode)	ALL-8	6	R46
S5610 (S = Stationary Mode)	ALL-8	6	R46
S5620 (S= Stationary Mode)	ALL-8	6	R46
S6510 (S = Stationary Mode)	ALL-8	6	R46
S6520 (S = Stationary Mode)	ALL-8	6	R46
S6600 (S = Stationary Mode)	ALL-8	6	R46
S8610 (S = Stationary Mode)	ALL-11	8	R52
S9600 (S = Stationary Mode)	ALL-11	6	R52
S9800 (S = Stationary Mode)	ALL-11	8	R52
1000	ALL-15	5	L64-R64
1000 (GM 3600 Cab-Chassis)	ALL-17	5	R64
1000 EVS	ALL-15	5	L64-R64
1000 MH	ALL-15	5	L64-R64
1000 RDS	ALL-15	5	L64-R64
1350 (Available in 4,5 & 6 Speed)	ALL-15	6	L64-R64



Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side For transmission not listed, contact your authorized Chelsea Distributor.

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	P.T.O.	Number	Teeth in
Transmission Make and Model	Appl.	Forward	P.T.O.
	Number	Speeds	Driver
1350 EVS (Available in 4,5 & 6 Speed)	ALL-15	6	L64-R64
1350 MH (Available in 4,5 & 6 Speed)	ALL-15	6	L64-R64
1350 RDS (Available in 4,5 & 6 Speed)	ALL-15	6	L64-R64
1350 SP (Available in 4,5 & 6 Speed)	ALL-15	6	L64-R64
2000	ALL-15	5	L64-R64
2100 EVS	ALL-15	5	L64-R64
2100 MH	ALL-15	5	L64-R64
2100 RDS	ALL-15	5	L64-R64
2200 EVS	ALL-15	5	L64-R64
2200 MH	ALL-15	5	L64-R64
2200 RDS	ALL-15	5	L64-R64
2300 RDS	ALL-15	6	L64-R64
2400	ALL-15	5	L64-R64
2500 EVS	ALL-15	5	L64-R64
2500 MH	ALL-15	5	L64-R64
2500 RDS	ALL-15	5	L64-R64
3000 (3000 Family- Side/Side PTO Provision w/ Retarder)	ALL-13R	6	L68-R68
3000 (International - Side/Side PTO Provision)	ALL-13	6	L68-R68
3000 (International - Side/Top PTO Provision)	ALL-16	6	L83-T83
3000 (3000 Family - Side/Top PTO Provision w/ Retarder)	ALL-16R	6	L83-T83
3000 (3000 Family Side/Top PTO Provision w/ Integral Cooler)	ALL-16C	6	L83-T83
3000 (3000 Family-Side / Side PTO Provision w/ Integral Cooler)	ALL-13C	6	L68-R68
3000 EVS (Side/Side Power Take-Off Provisions)	ALL-13	6	L68-R68
3000 EVS (Emergency Vehicles Only Top / Side PTO Provisions)	ALL-16EV	6	L83-T83
3000 MH	ALL-13	6	L68-R68
3000 ORS (Side/Side Power Take Off-Off Provisions)	ALL-13	6	L68-R68
3000 ORS (Side/Top Power Take-Off Provisions)	ALL-16	6	L83-T83
3000 RDS	ALL-13	6	L68-R68
3000 RDS (Side/Top PTO Provision)	ALL-16	5	L83-T83
3000 SP (Side/Top PTO Provision)	ALL-16	6	L83-T83
3000 SP (Side/Side PTO Option)	ALL-13	6	L68-R68
3000 TRV	ALL-13	6	L68-R68
3200 (International - Side/Side PTO Provision)	ALL-13	6	L68-R68
3200 (International - Side/Top PTO Provision)	ALL-16	6	L83-T83
3200 ORS (Side/Side PTO Provision)	ALL-13	6	L68-R68
3200 ORS (Side/Top PTO Provision)	ALL-16	6	L83-T83



IMPORTANT: See Safety Information in Section 1 of the Chelsea Applications catalog HY25-3000/US.

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Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side

For transmission not listed, contact your authorized Chelsea Distributor.

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	P.T.O.	Number	Teeth in
Transmission Make and Model	Appl.	Forward	P.T.O.
	Number	Speeds	Driver
3200 SP (Side/Top PTO Provision)	ALL-16	6	L83-T83
3200 SP (Side/Side PTO Provision)	ALL-13	6	L68-R68
3200 TRV	ALL-13	6	L68-R68
3500 (International - Side/Side PTO Provision)	ALL-13	6	L68-R68
3500 (International - Side/Top PTO Provision)	ALL-16	6	L83-T83
3500 EVS (Side/Side Power Take-Off Provisions)	ALL-13	6	L68-R68
3500 EVS (Emergency Vehicles Only Top / Side PTO Provisions)	ALL-16EV	6	L83-T83
3500 OFS	ALL-13	6	L68-R68
3500 ORS (Side/Side PTO Provision)	ALL-13	6	L68-R68
3500 ORS (Side/Top PTO Provision)	ALL-16	6	L83-T83
3500 RDS	ALL-13	6	L68-R68
3500 RDS (Side/Top PTO Provision)	ALL-16	6	L83-T83
3500 SP (Side/Top PTO Provision)	ALL-16	6	L83-T83
3500 SP (Side/Side PTO Provision)	ALL-13	6	L68-R68
3700	ALL-18	6	L68-R68
3700 SP	ALL-18	6	L68-R68
4000 (4000 Family w/ Retarder)	ALL-14R	6	L97-T97
4000 (4000 Family w/ Integral Cooler)	ALL-14C	6	L97-T97
4000 EVS	ALL-14	6	L97-T97
4000 MH	ALL-14	6	L97-T97
4000 RDS	ALL-14	6	L97-T97
4000 TRV	ALL-14	6	L97-T97
4430	ALL-14	7	L97-T97
4430 ORS	ALL-14	7	L97-T97
4430 SP	ALL-14	7	L97-T97
4440	ALL-14	7	L97-T97
4500 EVS	ALL-14	6	L97-T97
4500 RDS	ALL-14	6	L97-T97
4700 (4700 Family w/ Integral Cooler)	ALL-19C	7	L97-T97
4700 (4700 Family w/ Retarder)	ALL-19R	7	L97-T97
4700	ALL-19	7	L97-T97
4700 EVS	ALL-19	7	L97-T97
4700 OFS	ALL-19	7	L97-T97
4700 RDS	ALL-19	7	L97-T97
4700 SP	ALL-19	7	L97-T97
4800	ALL-19	7	L97-T97
4800 (4800 Family w/ Integral Cooler)	ALL-19C	7	L97-T97



Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side

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For transmission not listed, contact your authorized Chelsea Distributor. 2012

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Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
4800 (4800 Family w/ Retarder)	ALL-19R	7	L97-T97
4800 EVS	ALL-19	7	L97-T97
4800 SP	ALL-19	7	L97-T97



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Transmission P.T.O. Driver & Aperatures (Viewed from Rear of Transmission)

L-Left Side R-Right Side B-Bottom Side T-Top Side

For transmission not listed, contact your authorized Chelsea Distributor.

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ALL	4
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Furnished

Furnished

Furnished

AT-540 AT-542 AT-543

AT-545														
									RIG	HT S	IDE (ONLY		
							TRANSM R.H. 06-Bol 55 Teeth - 3 PITCH LI 1.0850" (27.	IISSION t Opening SPUR NE TO .5600MM)	I GEA Gear F APER	R DA Forw/	TA: ARD of E FA(Centerline		
Caution:	Appli	cati	on App	roval Re	equire	d for P	P.T.O. Out	put S	haft	Spe	eds	Above 2	2500 F	<u>R.P.M.</u>
	Inter	Dir	Engine %		Adamtan		RIGHT Sid	e Inter	Dia	Engir	ine %			
P.T.O. Model	Rot.	Hi Rev	Filler Block	Adapter Assy.	Stud Kit	P.T.O. Mod	el Torq.	Rot.	Hi Rev	Rev	Filler Block	Adapter Assy.	Stud Kit	
			ONF	SPEED	- TWO		R - MFCI	ΗΔΝΙ	241	SHI	FT			
			•	0. 220			221XCAJP-*3 (1) 235	Eng	106	<u> </u>			Furnished
							221XEAJP-*3 (1) 212	Eng	118				Furnished
							442XBAHP-*3 (2	2) 250	Eng	90				Furnished
		0	NE SPE	ED - T	NO GI	EAR -	POWERS	SHIFT	(HY	DR/	VUL	IC)		
							270XAAJP-*3 (3	300	Eng	75				Furnished
							270XBAJP-*3 (4) 250	Eng	97				Furnished
							270XDAJP-*3 (5	i) 222	Eng	112				Furnished
							270XKAJP-*3 (6	i) 165	Eng	152				Furnished
							270XQAJP-*3 (7	') 125	Eng	202				Furnished
							271MAAJP-*5 (3	3) 250	Eng	75				Furnished
							271MBAJP-*5 (4	4) 250	Eng	97				Furnished
							271MDAJP-*5 (5) 222	Eng	112				Furnished
							271MKAJP-*5 (6	6) 165	Eng	152				Furnished
			ONE	SPEED) - TW	O GE	AR - POW	/ERSI	HIFT	(Al	R)			
							230XAAJP-*3 (3	300	Eng	75				Furnished
							230XBAJP-*3 (4) 250	Eng	97				Furnished
							230XDAJP-*3 (5	i) 222	Eng	112				Furnished
							230XKAJP-*3 (6) 165	Eng	152				Furnished
							230XQAJP-*3 (7	') 125	Eng	202				Furnished
							231MAAJP-*5 (3	3) 250	Eng	75				Furnished
							231MBAJP-*5 (4	4) 250	Eng	97				Furnished

CAUTION: P.T.O. output shaft torque ratings are based on the maximum intermittant torque rating of 250 lb-ft torque for the 55 tooth gear in the AT-540 series transmission.

NOTE: Speeds shown are with engine RPM at or above torque converter lockup speed. If the P.T.O. is going to be operated below torque converter lockup speeds, contact your CHELSEA distributor for specific speeds and torque requirements.

NOTE: 378840 street tee required for pressure lube and must be purchased separately. Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

231MDAJP-*5 (5)

231MKAJP-*5 (6)

222

231MQAJP-*5 (7) 125 Eng

165 Eng

Eng

112

152

202

NOTE: For 230 & 270 Series rated at 300 lb/ft. Without pressure lube option reduce intermittent torque rating to 250 lb/ft.

NOTE: The "AJ" input gear designator shown on this application, which is a full addendum 6-pitch gear, is recommended for use on these transmissions. The "AH" input gear designator, which is a 6/8-pitch gear, can also be used on these transmissions; however, you may notice some additional rattle between the meshing gears.NOTE: Do not use adapter gear assemblies on any Allison automatic transmissions.

NOTE: If Ordering the 230/231 Series with the Shaft Brake Option, order the "BA" Output for Automatic Transmissions and the "BD" Output for Manual Transmissions.

Input Gear Part No. 5-P-569
 Input Gear Part No. 5-P-1418
 Input Gear Part No. 5-P-567
 Input Gear Part No. 5-P-568
 Input Gear Part No. 5-P-695

(6) Input Gear Part No. 5-P-769 (7) Input Gear Part No. 5-P-770



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CHELSEA	Ð				ALLI	SON		ALL-5					
MT-640	MT-654												
MT-643													
MT-644													
MT-650													
MT-653													
								RIGH	IT S	IDE (ONLY		
						TRANSMIS	SION	GEA	R DA	TA:			
						R.H. 06-Bolt O	pening	Gear F	ORWA	ARD of	Centerline		
						64 Teeth - SPI	UR						
						PITCH LINE	= то А	APFR	TUR	F FAC	CF:		
						1.0850" (27.56)	00MM)						
Caution: A	Applicat	ion App	roval Re	equire	d for P	.T.O. Outpu	ut Sh	naft \$	Spe	eds	Above	2500 F	R.P.M.
	Inter. Dir.	Engine %		Adapter		RIGHT Side	Inter.	Dir.	Eng	ine %		Adapter	
P.T.O. Model	Torq. Rot.	Hi Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
		ONE	SPEED	- TW	O GEA	R - MECHA	ANIC	AL	SHI	FT			-
						221XCAJP-*3	250	Eng	124				Furnished
						221XEAJP-*3	250	Eng	137				Furnished
						442XBAHP-*3 (1)	250	Eng	104				Furnished
	<u> </u>	<u>)NE SPE</u>	<u>:ED - T\</u>	<u>NO G</u>	EAR -	<u>POWERSH</u>	IIFT	<u>(HY</u>	DR/	AUL	(C)		
						270XAAJP-*3	300	Eng	87				Furnished
						270XBAJP-*3	300	Eng	113				Furnished
						270XDAJP-*3	300	Eng	131				Furnished
						27UXKAJP-"3	300	Eng	1//				Furnished
						271MRAJE- 5	250	Eng	113				Furnished
						271MDAJP-*5	250	Ena	131				Furnished
						271MKAJP-*5	250	Eng	177				Furnished
		ONE	SPEED) - TW	O GE	AR - POWE	RSF	IIFT	(AI	R)			
						230XAAJP-*3	300	Eng	87	/			Furnished
						230XBAJP-*3	300	Eng	113				Furnished
						230XDAJP-*3	300	Eng	131				Furnished
						230XKAJP-*3	300	Eng	177				Furnished
						230XQAJP-*3	300	Eng	235				Furnished
						231MAAJP-*5	250	Eng	87				Furnished
						231MBAJP-*5	250	Eng	113				Furnished
						231MDAJP-*5	250	Eng	131				Furnished
						Z31MKAJP-*5	250	Eng	177				⊢urnished

NOTE: Do not use adapter gear assemblies on any Allison automatic transmissions.

NOTE: Speeds shown are with engine RPM at, or above, torque converter lockup speed. If the P.T.O. is going to be operated below torque converter lockup speeds, contact your CHELSEA distributor for specific speeds and torque requirements.

NOTE: 378970 street tee required for pressure lube for 1975 and after, and must be purchased separately. 378880 street tee required for pressure lube prior to 1975. Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

231MQAJP-*5

250 Eng 235

NOTE: For 270/271 Series rated at 300 lb/ft. Without pressure lube option reduce intermittent torque rating to 250 lb/ft.

NOTE: The "AJ" input gear designator shown on this application, which is a full addendum 6-pitch gear, is recommended for use on these transmissions. The "AH" input gear designator, which is a 6/8-pitch gear, can also be used on these transmissions; however, you may notice some additional rattle between the meshing gears.

NOTE: If the 270/271/230/231 Series is ordered with the Drag Brake option the rear cover of the P.T.O. will interfere with the transmission clutch housing.

(1) Input Gear Part No. 5-P-1418



Furnished

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Above 2500 R.P.M.

Filler Block

Adapter

Assy.

Stud Kit

ALL-6							ALLI	SON				
CLBT-750	HT-7	740D		HT-7	'50DP	HT-7540	CR					
CLBT-754	HT-7	740DRE)	HT-7	50DRD							
CLT-750	HT-7	740T		HT-7	'50DT							
CLT-754	HT-7	750CRE)	HT-7	'50HT							
HT-740CRD	HT-7	750D		HT-7	'50T							
		LEF	T S	IDE (ONLY							
TRANSMIS	SION	GEA	r da	TA:								
L.H. 06-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline							
78 Teeth - SPL	JR											
PITCH LINE 1.0850" (27.560	TO /	APER	TUR	E FAG	CE:							
Caution: /	Appl	icat	ion	Арр	roval Re	equire	d for P	.T.O. Ou	tput S	Shaft	Spe	eds
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter			Inte	r. Dir.	Eng	jine %
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Mo	del ^{Tor}	q. Rot.	Hi	Rev
			C	NE	SPEED	- TW	O GEA	R - MEC	HAN	CAL	SHI	FT
221XCAJP-*5	250	Eng	151				Furnished					
221XEAJP-*5	250	Eng	167				Furnished					
442XBAHP-*5 (1)	250	Eng	127				Furnished					
		0	NE	SPE	<u>ED - T\</u>	NO G	<u>EAR - I</u>	POWER	Shif1	<u>Г (НҮ</u>	DR/	<u>AUL</u>
270XAA IP-*5	300	Eng	106				Furnished					

221XCAJP-*5	250	Eng	151	Furnished	
221XEAJP-*5	250	Eng	167	Furnished	
442XBAHP-*5 (1)	250	Eng	127	Furnished	
		0	NE S	EED - TWO GEAR - POWERSHIFT (HYDRAULIC)	
270XAAJP-*5	300	Eng	106	Furnished	
270XBAJP-*5	300	Eng	138	Furnished	
270XDAJP-*5	300	Eng	159	Furnished	
270XKAJP-*5	300	Eng	215	Furnished	
271MAAJP-*5	250	Eng	106	Furnished	
271MBAJP-*5	250	Eng	138	Furnished	
271MDAJP-*5	250	Eng	159	Furnished	
271MKAJP-*5	250	Eng	215	Furnished	
			0	E SPEED - TWO GEAR - POWERSHIFT (AIR)	
230XAAJP-*5	300	Eng	106	Furnished	
230XBAJP-*5	300	Eng	138	Furnished	
230XDAJP-*5	300	Eng	159	Furnished	
230XKAJP-*5	300	Eng	215	Furnished	
230XQAJP-*5	300	Eng	287	Furnished	
231MAAJP-*5	250	Eng	106	Furnished	
231MBAJP-*5	250	Eng	138	Furnished	

NOTE: Do not use adapter gear assemblies on any Allison automatic transmissions.

159

215

287

250 Eng

250 Eng

250 Eng

NOTE: Speeds shown are with engine RPM at, or above, torque converter lockup speed. If the P.T.O. is going to be operated below torque converter lockup speeds, contact your CHELSEA distributor for specific speeds and torque requirements.

Furnished

Furnished

Furnished

NOTE: 378897 street tee required for pressure lube and must be purchased separately. Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

NOTE: Aperture is located at 10 o'clock when viewed from rear of transmission.

NOTE: The "AJ" input gear designator shown on this application, which is a full addendum 6-pitch gear, is recommended for use on these transmissions. The "AH" input gear designator, which is a 6/8-pitch gear, can also be used on these transmissions; however, you may notice some additional rattle between the meshing gears.

NOTE: If Ordering the 230/231 Series with the Shaft Brake Option, order the "BA" Output for Automatic Transmissions and the "BD" Output for Manual Transmissions.

(1) Input Gear Part No. 5-P-1418

231MDAJP-*5

231MKAJP-*5

231MQAJP-*5



CHELSEA[®]

ALLISON

Α	L	L-	8

M5600	M6600	S6520
M5610	S5600	S6600
M5620	S5610	
M6510	S5620	
M6520	S6510	

TOP SIDE ONLY								RIG	HT S	IDE (ONLY				
TRANSMISSION GEAR DATA: TOP 08-Bolt Opening Gear REAR of Centerline								TRANSMIS TOP 08-Bolt Op	SION bening	GEA Gear F	R DA	TA: of Cent	erline		
38 Teeth - SP	UR							38 Teeth - SPL	JR						
PITCH LINE TO APERTURE FACE: 0.8020" (20.3708MM)						PITCH LINE 0.8020" (20.370	E TO A 08MM)	APER	TUR	E FAG	CE:				
Caution: Application Approval Required for F						d for P	.T.O. Outpu	ut Sh	naft (Spe	eds	Above	2500 F	R.P.M.	
TOP Side	Inter.	Dir.	Eng	jine %	- Filler Block	Adapter	Stud Kit	RIGHT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
			C	NE	SPEED	- TW	O GEA	R - MECH/	NIC	AL	SHI	FT			
221ZCAKP-*6	250	Орр	89			328564X	Furnished	221ZCAKP-*4	250	Eng	89			328564X	Furnished
221ZEAKP-*6	250	Орр	99			328564X	Furnished	221ZEAKP-*4	250	Eng	99			328564X	Furnished
823XBAKP-*6 (1)	500	Орр	81				Furnished	823XBAKP-*4 (1)	500	Eng	81				Furnished
823XDAKP-*6 (2)	500	Орр	96				Furnished	823XDAKP-*4 (2)	500	Eng	96				Furnished
823XGAKP-*6 (3)	500	Орр	104				Furnished	823XGAKP-*4 (3)	500	Eng	104				Furnished
823XJAKP-*6 (4)	500	Орр	122				Furnished	880XBAKP-*4 (6)	500	Eng	81				Furnished
823XMAKP-*6 (5)	500	Орр	144				Furnished	880XDAKP-*4 (7)	500	Eng	96				Furnished
880XBAKP-*6 (6)	500	Орр	81				Furnished	880XGAKP-*4 (8)	500	Eng	104				Furnished
880XDAKP-*6 (7)	500	Орр	96				Furnished								
880XGAKP-*6 (8)	500	Орр	104				Furnished								
880XJAKP-*6 (9)	500	Орр	122				Furnished								
880XMAKP-*6 (10)	500	Орр	144				Furnished								
		ON	IE S	PE	ED - SIN	GLE (GEAR	- POWERS	HIF	Г (Н`	YDF	RAU	LIC)		

52	EED	- SIN	GLE	GEAR	-	2	U
1				Furnished			

800XMAKP-*4	250	Eng	144		Furnished					-	
		0	NE S	SPEED - TWO G	EAR -	POWERSH	IIFT	(HY	DRAULIC)		
270XAAKP-*6	250	Орр	62	328481X	Furnished	270XAAKP-*4	300	Eng	62	328481X(B)	Furnished
270XDAKP-*6	250	Орр	94	328481X	Furnished	270XDAKP-*4	300	Eng	94	328481X(B)	Furnished
270XKAKP-*6	225	Орр	127	328481X	Furnished	270XKAKP-*4	300	Eng	127	328481X(B)	Furnished
852XBAKP-*6	500	Орр	81		Furnished	852XBAKP-*4	500	Eng	81		Furnished
852XGAKP-*6	500	Орр	104		Furnished	852XGAKP-*4	500	Eng	104		Furnished
852XJAKP-*6	500	Орр	122		Furnished	852XJAKP-*4	500	Eng	122		Furnished
			С	NE SPEED - TW	O GEA	AR - POWE	RSH	IIFT	(AIR)		
885XBAKP-*6 (6)	500	Орр	81		Furnished	885XBAKP-*4 (6)	500	Eng	81		Furnished
885XGAKP-*6 (8)	500	Орр	104		Furnished	885XGAKP-*4 (8)	500	Eng	104		Furnished
885XJAKP-*6 (9)	500	Opp	122		Furnished						

Furnished

NOTE: CRT-5630 & 5631 have only R.H. openings

885XMAKP-*6 (10) 500 Opp 144

NOTE: Do not use Adapter Gear Assemblies on any Allison Automatic Transmissions.

NOTE: Right Side opening is optional. Input gear interference prohibits use of any P.T.O.s other than those shown.

NOTE: Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

NOTE: (B) Non-Standard R.H. Aperature Must be Modified by Customer for Weld Nut Clearance on 328481X Adapter Plate to use 270 Series.

Input Gear Part No. 5-P-223	(6) Input
(2) Input Gear Part No. 5-P-293	(7) Input
(3) Input Gear Part No. 5-P-294	(8) Input
(4) Input Gear Part No. 5-P-224	(9) Input
(5) Input Gear Part No. 5-P-284	(10) Inpu

t Gear Part No. 5-P-1106 t Gear Part No. 5-P-1107 Gear Part No. 5-P-1108 Gear Part No. 5-P-1109 ut Gear Part No. 5-P-1110

	11
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Furnished

CL1-9485	M86	10		S980	00										
CLT-9880	M96	00													
CLT-9884	M98	00													
CLT-9885	S861	10													
H8610	5960	00													
110010															
										RIG	HT SI	DE (ONLY		
								TRANSMIS	SION	GEA		TA:			
								TOP 08-Bolt Or	pening	Gear F	REAR	of Cente	erline		
								39 Teeth - SPI	IR						
											тны	= = ^ ^	· E .		
								0.8100" (20.570	2 1 U A DOMM)	APER	IURI				
Oractions							d fan D	TOO	-1 01		0		A I	0500 5	
Caution: /	чры	icat	Ion	Арр	roval Re	equire	a tor P	.1.0. Outpl	it Sr	ian	Spe	eas	Above	2500 F	K.P.IVI.
	Inter.	Dir.	Enç	gine %		Adapter		RIGHT Side	Inter.	Dir.	Eng	ine %		Adapter	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
			0	ONE	SPEED	- TW	O GEA	R - MECHA	NIC	AL	SHI	FT	-		-
								823XBAKP-*4 (1)	500	Eng	104				Furnished
								823XDAKP-*4 (2)	500	Eng	123				Furnished
								880XBAKP-*4 (6)	500	Eng	104				Furnished
								880XDAKP-*4 (7)	500	Eng	123				Furnished
								880XGAKP-*4 (8)	500	Eng	134				Furnished
								880XJAKP-*4 (9)	500	Eng	157				Furnished
		0	NE	SPE	ED - T\	NO GI	EAR -	POWERSH	IFT	(HY	DRA	ULI	(C)		
								852XBAKP-*4	500	Eng	104				Furnished
								852XGAKP-*4	500	Eng	134				Furnished

852XJAKP-*4

500 Eng 157

Continued Next Page

NOTE: R.H. opening is optional. Input gear interference prohibits use of any P.T.O. other than those shown.

NOTE: Do not use Adapter Gear Assemblies on any Allison Automatic Transmissions.

NOTE: Use a 3/8" NPT to 1/4" NPT pipe reducer to adapte to the pressure lube hose supplied with the unit.

NOTE: The "CLT or CLBT" prefix refers to an engine driven section mounted to the front of the transmission.

NOTE: The 8000 and 9000 Series transmission models use all the same P.T.O. models.

NOTE: Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O.

(1) Input Gear Part No. 5-P-223
 (2) Input Gear Part No. 5-P-293
 (6) Input Gear Part No. 5-P-1106
 (7) Input Gear Part No. 5-P-1107
 (8) Input Gear Part No. 5-P-1108

(9) Input Gear Part No. 5-P-1109



January 2012

CHELSEA	0		ALLISON ALL-11									_L-11			
CLT-9485	M86	10		S980	00										
CLT-9880	M96	00													
CLT-9884	M98	00													
CLT-9885	S86 ⁻	10													
H8610	S960	00													
										TOF	P SID	DE O	NLY		
								TRANSMIS	SION	GEA		TA:			
								TOP 08-Bolt Op	pening	Gear R	REAR o	of Cente	erline		
								39 Teeth - SPL	JR						
											TUR	= ΕΔ(:E·		
								0.8100" (20.570	00MM)						
Caution:	Appl	icati	ion /	Арр	roval Re	equire	d for P	.T.O. Outpu	it Sh	naft \$	Spe	eds	Above	2500 F	R.P.M.
			Engi	ine %							Engi	ne %			
	Inter. Torq.	Dir. Rot.		_	Filler Block	Adapter Assy.	Stud Kit	DTO Madel	Inter. Torq.	Dir. Rot.	9-	-	Filler Block	Adapter Assy.	Stud Kit
P.I.O. Model	-		н	Rev				P.T.O. Woder			н	Rev		-	
			0	NE	SPEED	- TW	<u>O GEA</u>	<u>R - MECHA</u>	NIC	AL	<u>SHI</u>	FT			
								823XBAKP-*6 (1)	500	Орр	104				Furnished
								823XDAKP-*6 (2)	500	Орр	123				Furnished
								823XGAKP-*6 (3)	500	Орр	134				Furnished
								823XJAKP-*6 (4)	500	Орр	157				Furnished
								823XMAKP-*6 (5)	500	Орр	185				Furnished
								880XBAKP-*6 (6)	500	Орр	104				Furnished
								880XDAKP-*6 (7)	500	Орр	123				Furnished
								880XGAKP-*6 (8)	500	Орр	134				Furnished
								880XJAKP-*6 (9)	500	Орр	157				Furnished
						_	_	880XMAKP-^6 (10)	500	Орр	185				Furnished
		ON	<u>E S</u>	PEE	D - SIN	<u>GLE (</u>	GEAR	- POWERS	HIF	Г (Н`	YDR	RAU	LIC)		
								800XMAKP-*4	250	Eng	185				Furnished
		0	NE	SPE	<u>ED - </u> T\	NO GI	EAR -	POWERSH	IFT	(HYI	DRA	ULI	IC)		
								852XBAKP-*6	500	Орр	104				Furnished
								852XGAKP-*6	500	Орр	134				Furnished
								852XJAKP-*6	500	Opp	157				Furnished

NOTE: R.H. opening is optional. Input gear interference prohibits use of any P.T.O. other than those shown.

NOTE: Do not use Adapter Gear Assemblies on any Allison Automatic Transmissions.

NOTE: Use a 3/8" NPT to 1/4" NPT pipe reducer to adapte to the pressure lube hose supplied with the unit.

NOTE: The "CLT or CLBT" prefix refers to an engine driven section mounted to the front of the transmission.

NOTE: The 8000 and 9000 Series transmission models use all the same P.T.O. models.

NOTE: Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O.

(1) Input Gear Part No. 5-P-223 (2) Input Gear Part No. 5-P-293 (3) Input Gear Part No. 5-P-294 (4) Input Gear Part No. 5-P-224 (5) Input Gear Part No. 5-P-284

(6) Input Gear Part No. 5-P-1106 (7) Input Gear Part No. 5-P-1107 (8) Input Gear Part No. 5-P-1108 (9) Input Gear Part No. 5-P-1109 (10) Input Gear Part No. 5-P-1110



ALL-12

CL	B	T-7	'50
CI	B-	г.,7	15

CLBT-754

CLT-750

CLT-754

HT-750CRD

LE	FT SID	EONLY			TOP SIDE ONLY								
TRANSMISSION GEA		Δ :			TRANSMISSION GEAR DATA:								
I H 08-Bolt Opening Gear F	REAR of C	 Centerline			TOP 08-Bolt Opening Gear REAR of Centerline								
64 Teeth - SPLIR					10 Teeth - SPI I	P							
								-		NF.			
.8100" (20.5740MM)		.8100" (20.5740)	MM)	APER	TURI		E:						
Caution: Applicat	ion A	pproval Re	equire	d for P	.T.O. Outpu	t Sł	naft	Spe	eds	Above	2500 F	R.P.M.	
LEFT Side Inter. Dir.	Engine	%	Adapter	Churd Kit	TOP Side	Inter.	Dir.	Eng	ine %	- Filler Black	Adapter	Stud Kit	
P.T.O. Model Torq. Rot.	Hi R	Rev	Assy.	Sluu Kil	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Sluu Kit	
	ON	IE SPEED	- TWO) GEA	R - MECHA	NIC	;AL	SHI	FT				
221ZCAKX-*6(#) 250 Opp	104		328564X	Furnished	221ZCAKP-*4(#)	250	Орр	104			328564X	Furnished	
221ZEAKX-*6(#) 250 Opp	116		328564X	Furnished	221ZEAKP-*4(#)	250	Орр	116			328564X	Furnished	
823XBAKX-*6(#) (1) 500 Opp	95			Furnished	823XBAKP-*4(#) (1)	500	Орр	95				Furnished	
823XDAKX-*6(#) (2) 500 Opp	113			Furnished	823XDAKP-*4(#) (2)	500	Орр	112				Furnished	
823XGAKX-*6(#) (3) 500 Opp	122			Furnished	823XGAKP-*4(#) (3)	500	Орр	122				Furnished	
823XJAKX-*6(#) (4) 500 Opp	144			Furnished	823XJAKP-*4(#) (4)	500	Орр	144				Furnished	
823XMAKX-*6(#) (5) 500 Opp	169			Furnished	823XMAKP-*4(#) (5)	500	Орр	169				Furnished	
880XBAKX-*6(#) (6) 500 Opp	95			Furnished	880XBAKP-*4(#) (6)	500	Орр	95				Furnished	
880XDAKX-*6(#) (7) 500 Opp	113			Furnished	880XDAKP-*4(#) (7)	500	Орр	112				Furnished	
880XGAKX-^6(#) (8) 500 Opp	122			Furnished	880XGAKP-^4(#) (8)	500	Орр	122				Furnished	
880XJAKX-*6(#) (9) 500 Opp	144			Furnished	880XJAKP-*4(#) (9)	500	Орр	144				Furnished	
880XMAKX-*6(#)(10) 500 Opp	169			Furnished	880XWAKP-"4(#) (10) 500	Орр	169				Furnished	
0	<u>IE SP</u>	<u>EED - SIN</u>	<u>GLE (</u>	<u>gear</u> .	<u>- POWERSI</u>	<u> - 11 F 1</u>	<u>Г (Н</u>	YDF	<u>rau</u>	LIC)			
800XMAKP-*4 250 Eng	169			Furnished	800XMAKP-*4	250	Eng	169		-		Furnished	
C	NE S	PEED - TV	vo ge	EAR - I	POWERSHI	FT	(HY	DRA	UL	IC)			
270XAAKX-*6 250 Opp	73		328481X	Furnished	270XAAKP-*4	300	Орр	73			328481X	Furnished	
270XDAKX-*6 250 Opp	110		328481X	Furnished	270XDAKP-*4	300	Орр	110			328481X	Furnished	
270XKAKX-*6 225 Opp	149		328481X	Furnished	270XKAKP-*4	300	Орр	149			328481X	Furnished	
852XBAKP-*6 500 Opp	95			Furnished	852XBAKP-*4	500	Орр	95				Furnished	
852XGAKP-*6 500 Opp	122			Furnished	852XGAKP-"4	500	Орр	122				Furnished	
852XJAKP-^6 500 Opp	144			Furnished	852XJAKP-^4	500	Орр	144				Furnished	
	0	<u>NE SPEED</u>) - TW	<u>O GEA</u>	<u> R - POWEI</u>	RS⊦	<u>IIFT</u>	(Al	R)				
885XBAKX-*6 (6) 500 Opp	95			Furnished	885XBAKP-*4 (6)	500	Орр	95				Furnished	
885XGAKX-*6 (8) 500 Opp	122			Furnished	885XGAKP-*4 (8)	500	Орр	122				Furnished	
					Next D						_		
			Co	ontinued	Next Page								

NOTE: For S.A.E. 6 -bolt aperture located 40° from vertical or approximately 10 o'clock when viewed from rear, see application number ALL-7 or contact your CHELSEA distributor for P.T.O. applications prior to serial build number 32404. For applications after 32404 see application number ALL-6.

NOTE: Left side opening located at approximately 7 o'clock, right side at 1 o'clock as viewed from rear of transmission.

NOTE: Do not use Adapter Gear Assemblies on any Allison Automatic Transmission.

NOTE: 378897 Street Tee required for pressure lube P.T.O.s and must be purchased separately. Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

NOTE: (#) Engine must be stopped in order to engage/disengage Mechanical shift P.T.O.s.

(1) Input Gear Part No. 5-P-223
 (2) Input Gear Part No. 5-P-293
 (3) Input Gear Part No. 5-P-294
 (4) Input Gear Part No. 5-P-224
 (5) Input Gear Part No. 5-P-284

(6) Input Gear Part No. 5-P-1106
(7) Input Gear Part No. 5-P-1107
(8) Input Gear Part No. 5-P-1108
(9) Input Gear Part No. 5-P-1109
(10) Input Gear Part No. 5-P-1110



СН	EL	SE	A
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CLBT-750 CLBT-754 CLT-750 CLT-754 HT-750CRD

	LEFT SIDE ONLY									TOP	P SIE	DE OI	NLY		R.P.M.						
TRANSMISS	SION	GEAI	R DA	TA:				TRANSMISSION GEAR DATA:													
L.H. 08-Bolt Ope	ening (Gear R	EAR o	of Cente	erline			TOP 08-Bolt Opening Gear REAR of Centerline													
64 Teeth - SPU	64 Teeth - SPUR								JR												
PITCH LINE .8100" (20.5740)	CE:		PITCH LINE .8100" (20.5740	E TO A	PER	TUR	E FAC	E:													
Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.												R.P.M.									
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter							
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit						
			(ONE	SPEED) - TW	O GEA	R - POWE	RSH	IIFT	(Al	R)									
885XJAKX-*6 (9)	500	Орр	144				Furnished	885XJAKP-*4 (9)	500	Орр	144				Furnished						
885XMAKX-*6 (10)	500	Орр	169				Furnished	885XMAKP-*4 (10)	500	Орр	169				Furnished						
					ONE SF	PEED	- FOR	WARD & R	EVE	RSE											
863XBAKX-*4(#)	500	Орр	95	118			Furnished														

NOTE: For S.A.E. 6 -bolt aperture located 40° from vertical or approximately 10 o'clock when viewed from rear, see application number ALL-7 or contact your CHELSEA distributor for P.T.O. applications prior to serial build number 32404. For applications after 32404 see application number ALL-6.

NOTE: Left side opening located at approximately 7 o'clock, right side at 1 o'clock as viewed from rear of transmission.

NOTE: Do not use Adapter Gear Assemblies on any Allison Automatic Transmission.

NOTE: 378897 Street Tee required for pressure lube P.T.O.s and must be purchased separately. Only the pressure lube line 328075X (line to the idler pin) is included with the P.T.O. For 270/271 Series due to varying valve installation locations on the vehicle installer must supply the following hoses or order the following separately. One 329087X (line from tranny to valve) and two 328075X (valve dump back to PTO housing & valve to P.T.O. clutch).

NOTE: (#) Engine must be stopped in order to engage/disengage Mechanical shift P.T.O.s.

(9) Input Gear Part No. 5-P-1109 (10) Input Gear Part No. 5-P-1110 Allison



ALL-13

ALL	.ISC)N
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0			1
6		LJ	А

3000	3000	SP		3200	TRV	3500 RD	S	MD-3070P								
3000 EVS	3000	TRV		3500)	3500 SP		MD-3560P								
3000 MH	3200			3500	EVS	B 300										
3000 ORS	3200	ORS		3500	OFS	B 400										
3000 RDS	3200	SP		3500	ORS	MD-3060	P									
		LE	FT S	IDE C	ONLY					RIG	HT S	SIDE O	NLY			
TRANSMISSI L.H. 10-Bolt Oper	ON GE	AR D ar FOR	ATA: WARD	of Cent	erline			TRANSMISS R.H. 10-Bolt Ope	ION GE	EAR D	ATA: WARD) of Cente	erline			
								Diffeent - L.H. I								
PITCH LINE T 1.7800" (45.2100)	1.7800" (45.2100MM)								68 Teeth - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM) T.O. Output Shaft Speeds Above 2500 R.P.M. RIGHT Side P.T.O. Model Inter. P.T.O. Model Inter. Rot. Engine % Hi Rev Filler Block Adapter Adapter Assy. Stud Kit AR - CONSTANT MESH							
Caut	ion:	Appl	icati	ion A	Approval	Requir	ed for F	.T.O. Output	t Shat	ft Spo	eed	s Abo	ove 2500	R.P.M.		
			_													
LEFT Side	Inter.	Dir.	Eng	gine %	Filler Block	Adapter	Stud Kit	RIGHT Side	Inter.	Dir.	Eng	gine %	Filler Block	Adapter	Stud Kit	
P.T.O. Model	Torq.	Rot.	Hi	Rev		Assy.		P.T.O. Model	Torq.	Rot.	Hi	Rev		Assy.		
				<u> </u>		ED - T	WO GE	AR - CONST		MES	SH		•			
267SBFJP-*5 (1)	402	Eng	72	100			Furnished	267XBFJP-*3 (1)	335	Eng	72				Furnished	
267SDFJP-*5 (2)	390	Eng	87				Furnished	267SDFJP-*3 (2)	390	Eng	87				Furnished	
267SGFJP-*5 (3)	360	Eng	103				Furnished	267SGFJP-*3 (3)	360	Eng	103				Furnished	
267SMFJP-*5 (4)	318	Eng	129				Furnished	267SMFJP-*3 (4)	318	Eng	129				Furnished	
267SSFJP-*5(*) (5)	265	Eng	161				Furnished	267SSFJP-*3(*) (5)	265	Eng	161				Furnished	
267XBFJP-*5 (6)	335	Eng	72				Furnished	267XDFJP-*3 (7)	325	Eng	87				Furnished	
267XDFJP-*5 (7)	325	Eng	87				Furnished	267XGFJP-^3 (8)	300	Eng	103				Furnished	
267XME ID *5 (0)	265	Eng	103				Furnished	207 XIVIFJF- 3 (9)	200	Eng	129				Furnished	
267XSE ID-*5(*) (5)	200	Eng	129				Furnished	207X3FJF- 3()(3)	402	Eng	68				Furnished	
269SBEJW-*3 (1)	402	Eng	68				Furnished	269SDFJW-*3 (2)	390	Eng	81				Furnished	
269SDFJW-*3 (2)	390	Eng	81				Furnished	269SGFJW-*3 (3)	360	Eng	96				Furnished	
269SGFJW-*3 (3)	360	Eng	96				Furnished	269SMFJW-*3 (10)	318	Eng	119				Furnished	
269SMFJW-*3 (10)	318	Eng	119				Furnished	269XBFJW-*3 (6)	335	Eng	68				Furnished	
269XBFJW-*3 (6)	335	Eng	68				Furnished	269XDFJW-*3 (7)	335	Eng	81				Furnished	
269XDFJW-*3 (7)	335	Eng	81				Furnished	269XGFJW-*3 (8)	300	Eng	96				Furnished	
269XGFJW-*3 (8)	300	Eng	96				Furnished	269XMFJW-*3 (9)	300	Eng	119				Furnished	
269XMFJW-*3 (9)	300	Eng	119				Furnished	867XGFJP-*5 (11)	575	Eng	76				Furnished	
867XGFJP-*5 (11)	575	Eng	76				Furnished	867XMFJP-*5 (12)	490	Eng	98				Furnished	
867XMFJP-*5 (12)	490	Eng	98				Furnished	867XRFJP-*5 (13)	415	Eng	117				Furnished	
867XRFJP-*5 (13)	415	Eng	117				Furnished	867XSFJP-*5 (14)	385	Eng	128				Furnished	
867XSFJP-*5 (14)	385	Eng	128				Furnished	867XTFJP-*5 (15)	350	Eng	140				Furnished	
867XTFJP-*5 (15)	350	Eng	140				Furnished	877XAFJP-*3 (16)	591	Eng	82				Furnished	
877XAFJP-*5 (16)	591	Eng	82				Furnished	877XBFJP-*3 (17)	557	Eng	87				Furnished	

Continued Next Page

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NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Wiring harness 379926 must be used in 2003 GM trucks for the 277, 278 and 859 Series P.T.O.s if the GM provided in-dash P.T.O. switch is used to control P.T.O. operations.

NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350 (2) Input Gear Part No. 5-P-1293 (3) Input Gear Part No. 5-P-1225 (4) Input Gear Part No. 5-P-1351

SON

(5) Input Gear Part No. 5-P-1173 (6) Input Gear Part No. 5-P-912 (7) Input Gear Part No. 5-P-913 (8) Input Gear Part No. 5-P-914

(9) Input Gear Part No. 5-P-915 (10) Input Gear Part No. 5-P-1391 (11) Input Gear Part No. 5-P-1160 (12) Input Gear Part No. 5-P-1161

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(13) Input Gear Part No. 5-P-1162 (14) Input Gear Part No. 5-P-1392 (15) Input Gear Part No. 5-P-1212 (16) Input Gear Part No. 5-P-1428-1X (17) Input Gear Part No. 5-P-1428-2X

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



3000														,	ALL-13		
	3000	SP		3200	TRV	3500 RD	6	MD-3070P									
3000 EVS	3000	TRV		3500		3500 SP		MD-3560P									
3000 MH	3200			3500	EVS	B 300											
3000 ORS	3200	ORS		3500	OFS	B 400											
3000 RDS	3200	SP		3500	ORS	MD-3060	P										
		LE	FT S	IDE O	NLY					RIG	HT SI	DE O	NLY				
TRANSMISSIO	N GF		ΔΤΔ·					TRANSMISS	ION GE		ΔΤΔ·						
L.H. 10-Bolt Openin	ig Gea	ar FOR\	WARD	of Cente	erline			R.H. 10-Bolt Ope	ening Ge	ar FOR	WARD	of Cente	erline				
68 Teeth - L.H. HEL	.ix							68 Teeth - L.H. H	IELIX								
PITCH LINE TO 1.7800" (45.2100MM	PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM)								PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM)								
Caution: Application Approval Required for								.T.O. Output	Shat	ft Sp	eeds	Abo	ove 2500	R.P.M.			
			Eng	-ine 9/							_						
LEFT Side	Inter.	Dir. Rot	Eng	line %	Filler Block	Adapter	Stud Kit	RIGHT Side	Inter.	Dir. Rot	Engi	ne %	Filler Block	Adapter	Stud Kit		
P.T.O. Model	TOTQ.	Not.	Hi	Rev		дээу.		P.T.O. Model	Torq.	Not.	Hi	Rev		Азэу.			
				C	NE SPE	ED - T	WO GE	AR - CONST	ANT	MES	SH						
877XBFJP-*5 (17)	557	Eng	87				Furnished	877XCFJP-*3 (18)	522	Eng	93				Furnished		
877XCFJP-*5 (18)	522	Eng	93				Furnished	877XDFJP-*3 (19)	490	Eng	99				Furnished		
877XDFJP-*5 (19)	490	Eng	99				Furnished	877XEFJP-*3 (20)	429	Eng	113				Furnished		
877XEFJP-*5 (20)	429	Eng	113				Furnished	877XFFJP-*3 (21)	379	Eng	128				Furnished		
877XFFJP-*5 (21)	379	Eng	128				Furnished	877XGFJP-*3 (22)	334	Eng	145				Furnished		
877XGFJP-*5 (22)	334	Eng	145				Furnished	877XHFJP-*3 (23)	315	Eng	154				Furnished		
877XHFJP-*5 (23)	315	Eng	154				Furnished	877XJFJP-*3 (24)	295	Eng	164				Furnished		
877XJFJP-*5 (24)	295	Eng	164				Furnished										
			0	NE S	PEED -	TWO G	EAR -	POWERSHI	=T (H	YDR	AUL	IC)					
277SBFJP-*5 (1)	402	Eng	72				Furnished	277HBFJP-*3 (1)	335	Eng	72				Furnished		
277SDFJP-*5 (2)	390	Eng	87				Furnished	277HDFJP-*3 (2)	325	Eng	87				Furnished		
277SGFJP-*5 (3)	360	Eng	103				Furnished	277HGFJP-*3 (3)	300	Eng	103				Furnished		
277SMFJP-*5 (4)	318	Eng	129				Furnished	277HMFJP-*3 (4)	265	Eng	129				Furnished		
277SSFJP-*5(*) (5)	265	Eng	161				Furnished	277HSFJP-*3 (5)	250	Eng	161				Furnished		
277XBFJP-*5 (6)	335	Eng	72				Furnished	277SBFJP-*5 (1)	402	Eng	72				Furnished		
277XDFJP-*5 (7)	325	Eng	87				Furnished	277SDFJP-*5 (2)	390	Eng	87				Furnished		
277XGFJP-*5 (8)	300	Eng	103				Furnished	277SGFJP-*5 (3)	360	Eng	103				Furnished		
277XMFJP-*5 (9)	265	Eng	129				Furnished	277SMFJP-*5 (4)	318	Eng	129				Furnished		
277XSFJP-*5(*) (5)	250	Eng	161				Furnished	277SSFJP-*5(*) (5)	265	Eng	161				Furnished		
278SBFJP-*3 (1)	402	Eng	68				Furnished	277XBFJP-*5 (6)	335	Eng	72				Furnished		
278SDFJP-*3 (2)	390	Eng	81				Furnished	277XDFJP-*5 (7)	325	Eng	87				Furnished		
278SGFJP-*3 (3)	360	Eng	96				Furnished	277XGFJP-*5 (8)	300	Eng	103				Furnished		
278SMFJP-*3 (4)	318	Eng	119				Furnished	277XMFJP-*5 (9)	265	Eng	129				Furnished		
							Continued	l Next Page									

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the on Control Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

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NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

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NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

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Parker Chelsea

(5) Input Gear Part No. 5-P-1173 (6) Input Gear Part No. 5-P-912 (7) Input Gear Part No. 5-P-913 (8) Input Gear Part No. 5-P-914

(9) Input Gear Part No. 5-P-915 (17) Input Gear Part No. 5-P-1428-2X (18) Input Gear Part No. 5-P-1428-3X (19) Input Gear Part No. 5-P-1428-4X (20) Input Gear Part No. 5-P-1428-5X

October 2012

4.2.17

(21) Input Gear Part No. 5-P-1428-6X (22) Input Gear Part No. 5-P-1428-7X (23) Input Gear Part No. 5-P-1428-8X

ALL-13

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C	H	E	LS	Έ	Δ

3000	3000	SP		3200	TRV	3500 RD	6	MD-3070P									
3000 EVS	3000	TRV		3500		3500 SP		MD-3560P									
3000 MH	3200			3500	EVS	B 300											
3000 ORS	3200	ORS		3500	OFS	B 400											
3000 RDS	3200	SP		3500	ORS	3060	D										
3000 RD3	5200	JF		3300	OK3	WD-3000											
		LE	FT S	IDE C	ONLY					RIG	HT SI	DE O	NLY				
TRANSMISSIC	ON GE	AR D	ATA:					TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Openi	ing Ge	ar FOR\	WARD	of Cente	erline			R.H. 10-Bolt Opening Gear FORWARD of Centerline									
68 Teeth - L H HE	i ix							68 Teeth - L H H	FLIX								
				AOF.								0 5.					
1.7800" (45.2100M	1.7800" (45.2100MM)								MM)	ERIU	KE FA	CE:					
Cauti	on:	Appl	icat	ion A	pproval	Requir	ed for F	P.T.O. Output	Shat	ft Sp	eeds	Abo	ove 2500	R.P.M.			
LEFT Side	Inter	Dia	Enç	gine %		Adaptas		RIGHT Side	Inter	Dir	Engi	ine %		Adaptas			
PTO Model	Torq.	Rot.		Base	Filler Block	Adapter Assy.	Stud Kit		Torq.	Rot.		Davi	Filler Block	Adapter Assy.	Stud Kit		
1.1.0. Model			-	Rev				T.T.O. Model				Rev					
			0	NE S	SPEED -	<u>TWO G</u>	<u>iEAR -</u>	POWERSHIF	Т (Н	YDR	AUL	<u>.IC)</u>					
278SSFJP-*3 (5)	265	Eng	147				Furnished	277XSFJP-*5(*) (5)	250	Eng	161				Furnished		
278STFJP-*3 (25)	240	Eng	173				Furnished	278SBFJP-*3 (1)	402	Eng	68				Furnished		
278XBFJP-*3 (6)	335	Eng	68				Furnished	278SDFJP-*3 (2)	390	Eng	81				Furnished		
278XDFJP-"3 (7)	325	Eng	81				Furnished	2785GFJP-"3 (3)	300	Eng	90				Furnished		
278XGFJP-"3 (8)	300	Eng	96				Furnished	278SMFJP-"3 (4)	318	Eng	119				Furnished		
278XSE ID-*3 (5)	200	Eng	147				Furnished	278STE ID-*3 (25)	200	Eng	147				Furnished		
278XTE IP-*3 (26)	200	Eng	173				Furnished	27828E ID-*3 (6)	335	Eng	68				Furnished		
859XGE IP-*5 (11)	575	Eng	76				Furnished	278XDF IP-*3 (7)	325	Eng	81				Furnished		
859XJFJP-*5 (27)	525	Eng	86				Furnished	278XGFJP-*3 (8)	300	Eng	96				Furnished		
859XMFJP-*5 (12)	490	Ena	98				Furnished	278XMFJP-*3 (9)	265	Ena	119				Furnished		
859XRFJP-*5 (13)	415	Ena	117				Furnished	278XSFJP-*3 (5)	250	Ena	147				Furnished		
859XSFJP-*5 (14)	385	Eng	128				Furnished	278XTFJP-*3 (26)	225	Eng	173				Furnished		
859XTFJP-*5 (15)	350	Eng	140				Furnished	859XGFJP-*5 (11)	575	Eng	76				Furnished		
859XWFJP-*5(*) (28)	285	Eng	168				Furnished	859XJFJP-*5 (27)	525	Eng	86				Furnished		
870XAFJP-*5 (16)	591	Eng	82				Furnished	859XMFJP-*5 (12)	490	Eng	98				Furnished		
870XBFJP-*5 (17)	557	Eng	87				Furnished	859XRFJP-*5 (13)	415	Eng	117				Furnished		
870XCFJP-*5 (18)	522	Eng	93				Furnished	859XSFJP-*5 (14)	385	Eng	128				Furnished		
870XDFJP-*5 (19)	490	Eng	99				Furnished	859XTFJP-*5 (15)	350	Eng	140				Furnished		
870XEFJP-*5 (20)	429	Eng	113				Furnished	859XWFJP-*5(*) (28)	285	Eng	168				Furnished		
870XFFJP-*5 (21)	379	Eng	128				Furnished	870XAFJP-*3 (16)	591	Eng	82				Furnished		
870XGFJP-*5 (22)	334	Eng	145				Furnished	870XBFJP-*3 (17)	557	Eng	87				Furnished		
870XHFJP-*5 (23)	315	Eng	154				Furnished	870XCFJP-*3 (18)	522	Eng	93				Furnished		
870XJFJP-*5 (24)	295	Eng	164				Furnished	870XDFJP-*3 (24)	490	Eng	99				Furnished		
							Continued	Next Page									

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(1) Input Ocal 1 alt 140. 5-1 -1550
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173
(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913

(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(11) Input Gear Part No. 5-P-1160
(12) Input Gear Part No. 5-P-1161
(13) Input Gear Part No. 5-P-1162
(14) Input Gear Part No. 5-P-1392
(15) Input Gear Part No. 5-P-1212

(16) Input Gear Part No. 5-P-1428-1X (17) Input Gear Part No. 5-P-1428-2X (18) Input Gear Part No. 5-P-1428-3X (19) Input Gear Part No. 5-P-1428-4X (20) Input Gear Part No. 5-P-1428-5X (21) Input Gear Part No. 5-P-1428-6X (22) Input Gear Part No. 5-P-1428-7X

(23) Input Gear Part No. 5-P-1428-8X (24) Input Gear Part No. 5-P-1428 (25) Input Gear Part No. 5-P-1410 (26) Input Gear Part No. 5-P-1409 (27) Input Gear Part No. 5-P-1394 (28) Input Gear Part No. 5-P-1309

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ALLISON

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3000	3000	SP		3200	TRV	3500 RD	s	MD-3070P							
3000 EVS	3000	TRV		3500		3500 SP		MD-3560P							
2000 MU	2200			2500	EV/C	D 200									
3000 MH	3200			3500	EVS	В 300									
3000 ORS	3200	ORS		3500	OFS	B 400									
3000 RDS	3200	SP		3500	ORS	MD-3060	Р								
		LE	FTS	SIDE O	NLY					RIG	HT S	IDE O	NLY		
TRANSMISSI			ΔΤΔ					TRANSMISS	ION GI		ΔΤΔ				
L H 10-Bolt Oper	nina Ge	ar FOR	WARD	•) of Cente	erline			R H 10-Bolt Ope	nina Ge	ear FOR	WARD) of Cente	erline		
69 Teeth J U U								69 Teeth							
бо тееш - с.п. п								oo reeur- L.n. n							
PITCH LINE 1 1.7800" (45.2100	r o Api MM)	ERTU	RE F.	ACE:				PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM)							
Caut	ion:	Appl	licat	ion A	pproval	Requir	ed for P	.T.O. Output	Sha	ft Sp	eed	s Abo	ove 2500	R.P.M	
LEFT Side	Inter.	Dir.	En	gine %		Adapter	0	RIGHT Side	Inter.	Dir.	Eng	gine %	Ellis St. 1	Adapter	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	ні	Rev	Filler Block	Assy.	Stud Kit
			<u> </u>				FAR -	POWERSHIP	т (н						
								870XEE.IP-*3 (20)	429	Eng	113	,			Furnished
								870XFFJP-*3 (21)	379	Eng	128				Furnished
								870XGFJP-*3 (22)	334	Eng	145				Furnished
								870XHFJP-*3 (23)	315	Eng	154				Furnished
								870XJFJP-*3 (24)	295	Eng	164				Furnished
					edeed		Denie					ст			
8901 AF IW-*5 (24)	591	Eng	82		SFEED.	FOWL	Furnished		591	Fng	<u>82</u>				Furnished
890LBFJW-*5 (17)	557	Eng	87				Furnished	890RBFJW-*5 (17)	557	Ena	87				Furnished
890LCFJW-*5 (18)	522	Eng	93				Furnished	890RCFJW-*5 (18)	522	Eng	93				Furnished
890LDFJW-*5 (19)	490	Eng	99				Furnished	890RDFJW-*5 (19)	490	Eng	99				Furnished
890LEFJW-*5 (20)	429	Eng	113				Furnished	890REFJW-*5 (20)	429	Eng	113				Furnished
890LFFJW-*5 (21)	379	Eng	128				Furnished	890RFFJW-*5 (21)	379	Eng	128				Furnished
890LGFJW-*5 (22)	334	Eng	145				Furnished	890RGFJW-*5 (22)	334	Eng	145				Furnished
890LHFJW-*5 (23)	315	Eng	154				Furnished	890RHFJW-*5 (23)	315	Eng	154				Furnished
							STANT			<u>פ ח</u> :		т			
897I AF IW-*5 (16)	591	Eng	82	UNL	SFEED	- 001	Furnished	897RAE IW-*5 (16)	591	Eng	82				Furnished
897LBFJW-*5 (17)	557	Ena	87				Furnished	897RBFJW-*5 (17)	557	Eng	87				Furnished
897LCFJW-*5 (18)	522	Eng	93				Furnished	897RCFJW-*5 (18)	522	Eng	93				Furnished
897LDFJW-*5 (24)	490	Ena	99				Furnished	897RDFJW-*5 (24)	490	Ena	99				Furnished
897LEFJW-*5 (24)	429	Eng	113				Furnished	897REFJW-*5 (24)	429	Eng	113				Furnished
897LFFJW-*5 (24)	379	Eng	128				Furnished	897RFFJW-*5 (24)	379	Eng	128				Furnished
897LGFJW-*5 (24)	334	Eng	145				Furnished	897RGFJW-*5 (24)	334	Eng	145				Furnished
897LHFJW-*5 (24)	315	Eng	154				Furnished	897RHFJW-*5 (24)	315	Eng	154				Furnished
CAUTION: Chelsea controller to incorpor Module (TCM) to ma Allison Transmission NOTE: When direct NOTE: Pump brack 278 Right Side 3294 NOTE: All models re side and 329075-1X Included with the Um	Recomm rate all th aintain lin website mounting ets for the 13-3X equire a h for the ri it.	e P.T.O. e pressu and indi g a Parke e Parker oose ass ght side.	e Powe control ire to th vidual (er P2 0 P2 060 embly. . THES	er Take-Off features a le P.T.O. F chassis m 60 piston p 0 piston pu For the 26 E HOSE A	f (P.T.O.) installat available, this inci iailure to provide anufacturer for ir poump to a 267 S imp are available 57 Series, use 32 SSEMBLIES M	tion on the 30 Judges the "P." this signal m isstallation def eries P.T.O. c e and must be 19130-1X for 1 UST BE ORE	000/4000 Serie T.O. Request" lay not be suffi tails. on the left (driv e ordered sepa the left side ar DERED SEPAR	es Transmissions to utiliz and "P.T.O. Enable Out icient to the P.T.O. This ers) side opening, the P arately. For the 267 Seri nd 329130-4X for the rig RATELY. For 859, 870/8	ze a Vehi put" featu may caus ?.T.O. mus es Left S ht side. F 77 and 8	cle Interf ire. The " se damages st be orde ide 3294 for the 26 90/897 S	Face Mo P.T.O. E ge to the ered as 13-1X, 1 69, 277, Geries - /	dule, or C Enable" cin a P.T.O. ar a "3" asse for the 27" 278 and a All Mounti	hassis Manufac rcuit signals the nd /or Transmiss embly arrangem 7 Series Right S 867 Series, use ng Hardware an	turers' equiva Transmissio ion. Please ent for pump ide 329413-: 329130-5X f d Hose Asse	alent n Control see the clearance. 2X and for the or the left mblies are
NOTE: The 267 Ser	ies is not	availabl	e in the	: "3" arrang	gement with an "	XK" output di	ue to interferer	nce with the pressure lu	be fitting.	h PTO	switch i	s used to	control PTO or	erations	

NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(16) Input Gear Part No. 5-P-1428-1X (17) Input Gear Part No. 5-P-1428-2X (18) Input Gear Part No. 5-P-1428-3X (19) Input Gear Part No. 5-P-1428-4X

(20) Input Gear Part No. 5-P-1428-5X (21) Input Gear Part No. 5-P-1428-6X (22) Input Gear Part No. 5-P-1428-7X (23) Input Gear Part No. 5-P-1428-8X (24) Input Gear Part No. 5-P-1428

October 2012

4.2.19

ALL-13C

3000 w/Integral Cooler

		LEF	T SI	IDE C	ONLY			RIGHT SIDE ONLY								
TRANSMISS	NOI	GEAF	R DA	TA:			Ī	TRANSMISS	SION	GEA	R DA	TA:				
L.H. 10-Bolt Ope	enina (Gear F	ORWA	\RD of (Centerline			R.H. 10-Bolt Op	enina	Gear F	ORWA	\RD of	Centerline			
68 Teeth - L H H	-FLIX	-	.,		-			68 Teeth - L.H. HELIX								
			יסיוד		، ۲.			PITCH LINE TO APERTURE FACE								
1.7800" (45 210)		1 CK	IUR		JE.			1.7800" (45.2100MM)								
				-												
Caution: A	Saution: Application Approval Required for P									aft :	Spe	eds	Above	2500 F	<u>к.н.</u>	
LEFT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud V ^a	RIGHT Side	Inter.	Dir.	Engine %		Filler Block	Adapter	Stud Kit	
P.T.O. Model	Torq.	Rot.	Hi	Rev	I IIIEI DIUCK	Assy.		P.T.O. Model	Torq.	Rot.	Hi	Rev	T mer Block	Assy.		
	نــــــ ا		L			איד ר			T ^ •			ц	L	L		
	400	F ~~	70		JPEEL	או-ע				<u>v i IV</u>		<u>n</u>			Europe - Inc.	
2073BFJP-*5 (1) 267SDFJP-*5 (2)	402 390	⊑ng Ena	72 87				Furnished	207 SBFJP-*3 (1) 267SDFJP-*3 (2)	402 390	∈ng Ena	72 87				Furnished	
267SGFJP-*5 (3)	360	Ena	103				Furnished	267SGFJP-*3 (3)	360	Ena	103				Furnished	
267SMFJP-*5 (4)	318	Eng	129				Furnished	267SMFJP-*3 (4)	318	Eng	129				Furnished	
267SSFJP-*5(*) (5)	265	Eng	161				Furnished	267SSFJP-*3(*) (5)	265	Eng	161				Furnished	
267XBFJP-*5 (6)	335	Eng	72				Furnished	267XBFJP-*3 (6)	335	Eng	72				Furnished	
267XDFJP-*5 (7)	325	Eng	87				Furnished	267XDFJP-*3 (7)	325	Eng	87				Furnished	
267XGFJP-*5 (8)	300	Eng	103				Furnished	267XGFJP-*3 (8)	300	Eng	103				Furnished	
267XMFJP-*5 (9)	265	Eng	129				Furnished	267XMFJP-*3 (9)	265	Eng	129				Furnished	
267XSFJP-*5(*) (5)	250	Eng	161				Furnished	267XSFJP-*3(*) (5)	250	Eng	161				Furnished	
269SBFJW-*3 (1)	402	Eng	68				Furnished	269SBFJW-*3 (1)	402	Eng	68				Furnished	
269SCFJW-*3 (10)	396	Eng	72				Furnished	269SCFJW-*3 (10)	396	Eng	72				Furnished	
269SDFJW-*3 (2)	390	Eng	81				Furnished	269SDFJW-*3 (2)	390	Eng	81				Furnished	
269SGFJW-*3 (3)	360	Eng	96				Furnished	269SGFJW-*3 (3)	360	Eng	96				Furnished	
269SMFJW-*3 (11)	318	Eng	119				Furnished	269SMFJW-*3 (11)	318	Eng	119				Furnished	
269XBFJW-*3 (6)	335	Eng	68				Furnished	269XBFJW-*3 (6)	335	Eng	68				Furnished	
269XDFJW-*3 (7)	325	Eng	81				Furnished	∠69XDFJW-*3 (7)	325	Eng	81				Furnished	
2097GFJW-*3 (8)	300	Eng	96				Furnished	209XGFJW-*3 (8)	300	Eng	96				Furnished	
209XIVIFJW-~3 (9)	205	⊏ng Enc	119				Furnished	2097/01/01/03 (9)	205	Eng Eng	119				Furnished	
867XME ID *E (12)	015 200	Eng	02				Furnished	867XME ID *5 (12)	075 400	Eng	01				Furnished	
867XRE ID *5 (13)	490 415	Eng	90 117				Furnished	867XRE ID *5 (14)	490 115	Eng	90 117				Furnished	
867XSF.IP-*5 (14)	385	Eng	128				Furnished	867XSF.IP-*5 (14)	385	Eng	128				Furnished	
867XTF.IP_*5 (16)	350	Eng	140				Furnished	867XTF.IP-*5 (16)	350	Eng	140				Furnished	
877XAFJP-*5 (17)	591	Ena	82				Furnished	877XAFJP-*3 (17)	591	Eng	82				Furnished	
877XBFJP-*5 (17)	557	Enq	87				Furnished	877XBFJP-*3 (17)	557	Ena	87				Furnished	
		.9														

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

Darker Chelsea

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1423

(11) Input Gear Part No. 5-P-1391
(12) Input Gear Part No. 5-P-1160
(13) Input Gear Part No. 5-P-1161
(14) Input Gear Part No. 5-P-1162
(15) Input Gear Part No. 5-P-1392

(16) Input Gear Part No. 5-P-1212 (17) Input Gear Part No. 5-P-1428

January 2012

4.2.20

(17) Input Gear Part No. 5-P-1428



LEFT SIDE ONLY								RIGHT SIDE ONLY										
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:										
L.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of	Centerline			R.H. 10-Bolt Opening Gear FORWARD of Centerline										
68 Teeth - L.H. I	HELIX							68 Teeth - L.H. HELIX										
PITCH LINE 1.7800" (45.210	TO / 0MM)	APER	TUR	E FAC	CE:			PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM)										
Caution: Application Approval Required for I									Outpu	it Sh	aft	Spe	eds	Above	2500 F	R.P.M.		
LEFT Side	Inter	Dir	Eng	ine %		Adapter		RIGH	T Side	Inter	Dir	Engi	ne %		Adapter			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O	. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
				ONE	SPEE	D - TV	VO GE	AR -	CONS	TAN	IT N	IESI	-					
877XCFJP-*5 (17)	522	Eng	93				Furnished	877XCF	JP-*3 (17)	522	Eng	93				Furnished		
877XDFJP-*5 (17)	490	Eng	99				Furnished	877XDF	JP-*3 (17)	490	Eng	99				Furnished		
877XEFJP-*5 (17)	429	Eng	113				Furnished	877XEF	JP-*3 (17)	429	Eng	113				Furnished		
877XFFJP-*5 (17)	379	Eng	128				Furnished	877XFF	JP-*3 (17)	379	Eng	128				Furnished		
877XGFJP-*5 (17)	334	Eng	145				Furnished	877XGF	JP-*3 (17)	334	Eng	145				Furnished		
877XHFJP-*5 (17)	315	Eng	154				Furnished	877XHF	JP-*3 (17)	315	Eng	154				Furnished		
877XJFJP-*5 (17)	295	Eng	164				Furnished	877XJF	IP-*3 (17)	295	Eng	164				Furnished		
		0	NE	SPE	ED - TV	NO GI	EAR - I	POW	ERSH	IFT ((HYI	DRA	ULI	(C)				
277HBFJP-*5 (6)	335	Eng	72				Furnished	277HBF	JP-*5 (6)	335	Eng	72				Furnished		
277HDFJP-*5 (7)	325	Eng	87				Furnished	277HDF	JP-*5 (7)	325	Eng	87				Furnished		
277HGFJP-*5 (8)	300	Eng	103				Furnished	277HGF	JP-*5 (8)	300	Eng	103				Furnished		
277HMFJP-*5 (9)	265	Eng	129				Furnished	277HMF	JP-*5 (9)	265	Eng	129				Furnished		
277HSFJP-*5 (5)	250	Eng	161				Furnished	277HSF	JP-*5 (5)	250	Eng	161				Furnished		
277SBFJP-*5 (1)	402	Eng	72				Furnished	277SBF	JP-*5 (1)	402	Eng	72				Furnished		
277SDFJP-*5 (2)	390	Eng	87				Furnished	277SDF	JP-*5 (2)	390	Eng	87				Furnished		
277SGFJP-*5 (3)	360	Eng	103				Furnished	277SGF	JP-*5 (3)	360	Eng	103				Furnished		
277SMFJP-*5 (4)	318	Eng	129				Furnished	277SMF	JP-*5 (4)	318	Eng	129				Furnished		
277SSFJP-*5(*) (5)	265	Eng	161				Furnished	277SSF	JP-*5(*) (5)	265	Eng	161				Furnished		
277XBFJP-*5 (6)	335	Eng	72				Furnished	277XBF	JP-*5 (6)	335	Eng	72				Furnished		
277XDFJP-*5 (7)	325	Eng	87				Furnished	277XDF	JP-*5 (7)	325	Eng	87				Furnished		
277XGFJP-*5 (8)	300	Eng	103				Furnished	277XGF	JP-*5 (8)	300	Eng	103				Furnished		
277XMFJP-*5 (9)	265	Eng	129				Furnished	277XMF	JP-*5 (9)	265	Eng	129				Furnished		
277XSFJP-*5(*) (5)	250	Eng	161				Furnished	277XSF	JP-*5(*) (5)	250	Eng	161				Furnished		
278SBFJP-*3 (1)	402	Eng	68				Furnished	278SBF	JP-*3 (1)	402	Eng	68				Furnished		
278SDFJP-*3 (2)	390	Eng	81				Furnished	278SDF	JP-*3 (2)	390	Eng	81				Furnished		

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

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(1) Input Gear Part No. 5-P-1350	(6) Input Gear Part No. 5-P-912
(2) Input Gear Part No. 5-P-1293	(7) Input Gear Part No. 5-P-913
(3) Input Gear Part No. 5-P-1225	(8) Input Gear Part No. 5-P-914
(4) Input Gear Part No. 5-P-1351	(9) Input Gear Part No. 5-P-915
(5) Input Gear Part No. 5-P-1173	(17) Input Gear Part No. 5-P-1428

January 2012

	DNLY			RIGHT SIDE ONLY													
TRANSMISS	SION	GEA		TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of (Centerline			R.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of	Centerline				
68 Teeth - L.H. I	HELIX							68 Teeth - L.H. HELIX									
	TO 4		TUR	Ε ΕΔΟ	E.												
1.7800" (45.210	OMM)			_ _ \				1.7800" (45.2100MM)									
Caution: A	Appl	icati	on	App	roval Re	quire	d for P	T.O. Outpu	t Sh	aft	Spe	eds	Above 2	2 500 F	R.P.M.		
LEFT Side Inter Dir Engine %								RIGHT Side			Engi	ine %					
	Inter. Torq.	Dir. Rot.		-	Filler Block	Adapter Assy.	Stud Kit		Inter. Torq.	Dir. Rot.		_	Filler Block	Adapter Assy.	Stud Kit		
P.I.O. Model	-		Hi	Rev		-		P.I.O. Model			Hi	Rev		-			
		0	NE	SPE	ED - TV	vo ge	EAR - F	POWERSHI	FT ((HYI	DRA	ULI	(C)				
278SGFJP-*3 (3)	360	Eng	96				Furnished	278SGFJP-*3 (3)	360	Eng	96		-		Furnished		
278SMFJP-*3 (4)	318	Eng	119				Furnished	278SMFJP-*3 (4)	318	Eng	119				Furnished		
278SSFJP-*3 (5)	265	Eng	147				Furnished	278SSFJP-*3 (5)	265	Eng	147				Furnished		
278STFJP-*3 (18)	240	Eng	173				Furnished	278STFJP-*3 (18)	240	Eng	173				Furnished		
278XBFJP-*3 (6)	335	Eng	68				Furnished	278XBFJP-*3 (6)	335	Eng	68				Furnished		
278XDFJP-*3 (7)	325	Eng	81				Furnished	278XDFJP-*3 (7)	325	Eng	81				Furnished		
278XGFJP-*3 (8)	300	Eng	96				Furnished	278XGFJP-*3 (8)	300	Eng	96				Furnished		
278XMFJP-*3 (9)	265	Eng	119				Furnished	278XMFJP-*3 (9)	265	Eng	119				Furnished		
278XSFJP-*3 (5)	250	Eng	147				Furnished	278XSFJP-*3 (5)	250	Eng	147				Furnished		
278XTFJP-*3 (19)	225	Eng	173				Furnished	278XTFJP-*3 (19)	225	Eng	173				Furnished		
859XGFJP-*5 (12)	575	Eng	76				Furnished	859XGFJP-*5 (12)	575	Eng	76				Furnished		
859XJFJP-*5 (20)	525	Eng	86				Furnished	859XJFJP-*5 (20)	525	Eng	86				Furnished		
859XMFJP-*5 (13)	490	Eng	98				Furnished	859XMFJP-*5 (13)	490	Eng	98				Furnished		
859XRFJP-*5 (14)	415	Eng	117				Furnished	859XRFJP-*5 (14)	415	Eng	117				Furnished		
859XSFJP-*5 (15)	385	Eng	128				Furnished	859XSFJP-*5 (15)	385	Eng	128				Furnished		
859XTFJP-*5 (16)	350	Eng	140				Furnished	859XTFJP-*5 (16)	350	Eng	140				Furnished		
859XWFJP-*5(*) (27	1) 285	Eng	168				Furnished	859XWFJP-*5(*) (21)	285	Eng	168				Furnished		
870XAFJP-*5 (17)	591	Eng	82				Furnished	870XAFJP-*3 (17)	591	Eng	82				Furnished		
870XBFJP-*5 (17)	557	Eng	87				Furnished	870XBFJP-*3 (17)	557	Eng	87				Furnished		
870XCFJP-*5 (17)	522	Eng	93				Furnished	870XCFJP-*3 (17)	522	Eng	93				Furnished		
870XDFJP-*5 (17)	490	Eng	99				Furnished	870XDFJP-*3 (17)	490	Eng	99				Furnished		
870XEFJP-*5 (17)	429	Eng	113				Furnished	870XEFJP-*3 (17)	429	Eng	113				Furnished		
870XFFJP-*5 (17)	379	Eng	128				Furnished	870XFFJP-*3 (17)	379	Eng	128				Furnished		
870XGFJP-*5 (17)	334	Eng	145				Furnished	870XGFJP-*3 (17)	334	Eng	145				Furnished		
870XHFJP-*5 (17)	315	Eng	154				Furnished	870XHFJP-*3 (17)	315	Eng	154				Furnished		
870XJFJP-*5 (17)	295	Eng	164				Furnished	870XJFJP-*3 (17)	295	Eng	164				Furnished		

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173
(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913

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Allison

(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(12) Input Gear Part No. 5-P-1160
(13) Input Gear Part No. 5-P-1161
(14) Input Gear Part No. 5-P-1162

(15) Input Gear Part No. 5-P-1392
(16) Input Gear Part No. 5-P-1212
(17) Input Gear Part No. 5-P-1428
(18) Input Gear Part No. 5-P-1410
(19) Input Gear Part No. 5-P-1409

(20) Input Gear Part No. 5-P-1394 (21) Input Gear Part No. 5-P-1309

January 2012

4.2.22



				RIGHT SIDE ONLY															
								TRANSMISSION GEAR DATA:											
								R.H. 10-Bolt Opening Gear FORWARD of Centerline											
										68 Teeth - L.H. HELIX									
			PITC 1.780	H LINE 0" (45.210	TO / 0MM)	APER	TUR	E FAC	CE:										
Caution: Application Approval Required for								. T.O .	Outpu	it Sh	naft (Spe	eds	Above 2	2500 F	R.P.M.			
Int		Dir	Engi	ne %		Adaptor		RIGH	Γ Side	Intor	Dir	Eng	ine %		Adaptor				
P.T.O. Model	g. ∣	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit	P.T.O.	Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit			
		0	ONE	SP	EED - P	OWE	RSHIF	T (HY	D) EX	TEN		DS		T					
				<u> </u>				890RAFJ	W-*5 (17)	591	Eng	82		-		Furnished			
								890RBFJ	W-*5 (17)	557	Eng	87				Furnished			
								890RCFJ	W-*5 (17)	522	Eng	93				Furnished			
								890RDFJ	W-*5 (17)	490	Eng	99				Furnished			
								890REFJ	W-*5 (17)	429	Eng	113				Furnished			
								890RFFJ	W-*5 (17)	379	Eng	128				Furnished			
								890RGFJ	IW-*5 (17)	334	Eng	145				Furnished			
								890RHFJ	W-*5 (17)	315	Eng	154				Furnished			
			ON	E SI	PEED -	<u>CONS</u>	<u>STANT</u>	MES	<u>H EX</u> 1	EN	DED) SH	IAF1						
								897RAFJ	W-*5 (17)	591	Eng	82				Furnished			
								897RBFJ	W-*5 (17)	557	Eng	87				Furnished			
								897RCFJ	W-*5 (17)	522	Eng	93				Furnished			
								897RDFJ	W-*5 (17)	490	Eng	99				Furnished			
								897REFJ	W-*5 (17)	429	Eng	113				Furnished			
								897RFFJ	W-*5 (17)	379	Eng	128				Furnished			
		897RGFJ	IW-*5 (17)	334	Eng	145				Furnished									
								897RHFJ	W-*5 (17)	315	Eng	154				⊦urnished			

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(17) Input Gear Part No. 5-P-1428

January 2012



		LEF	T SI	DE C	DNLY			RIGHT SIDE ONLY										
TRANSMISS	SION	GEA		TA:				TRANSMISSION GEAR DATA:										
L.H. 10-Bolt Ope	ening (Gear F	ORWA	RD of (Centerline			R.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline					
68 Teeth - I. H. H								68 Teeth - L.H. HELIX										
			тны		· .													
1.7800" (45.210			IURI					1.7800" (45.210	: 10 F		IURI		JE.					
Caution: A	roval Re	.T.O. Outpu	it Sh	haft :	Spe	eds	Above	2500 F	<u>R.P.M.</u>									
LEFT Side	Inter.	Dir.	Engi	ine %	Filler Block	Adapter	Stud Kit	RIGHT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit			
P.T.O. Model	Torq.	Rot.	Hi	Rev	I IIIel DIOCK	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	The Block	Assy.	Stud Kit			
				ONF	SPEE	דע - דע			ΤΔΝ	JT N	IES	H			<u> </u>			
267SBE.IP-*5 (1)	402	Ena	72				Eurnished	267SBE.IP-*3 (1)	402	Ena	72				Furnished			
267SDFJP-*5 (2)	390	Eng	87				Furnished	267SDFJP-*3 (2)	390	Eng	87				Furnished			
267SGFJP-*5 (3)	360	Eng	103				Furnished	267SGFJP-*3 (3)	360	Eng	103				Furnished			
267SMFJP-*5 (4)	318	Eng	129				Furnished	267SMFJP-*3 (4)	318	Eng	129				Furnished			
267SSFJP-*5(*) (5)	265	Eng	161				Furnished	267SSFJP-*3(*) (5)	265	Eng	161				Furnished			
267XBFJP-*5 (6)	335	Eng	72				Furnished	267XBFJP-*3 (6)	335	Eng	72				Furnished			
267XDFJP-*5 (7)	325	Eng	87				Furnished	267XDFJP-*3 (7)	325	Eng	87				Furnished			
267XGFJP-*5 (8)	300	Eng	103				Furnished	267XGFJP-*3 (8)	300	Eng	103				Furnished			
267XMFJP-*5 (9)	265	Eng	129				Furnished	267XMFJP-*3 (9)	265	Eng	129				Furnished			
267XSFJP-*5(*) (5)	250	Eng	161				Furnished	267XSFJP-*3(*) (5)	250	Eng	161				Furnished			
269SBFJW-*3 (1)	402	Eng	68				Furnished	269SBFJW-*3 (1)	402	Eng	68				Furnished			
269SDFJW-*3 (2)	390	Eng	81				Furnished	269SDFJW-*3 (2)	390	Eng	81				Furnished			
269SGFJW-*3 (3)	360	Eng	96				Furnished	269SGFJW-*3 (3)	360	Eng	96				Furnished			
269SMFJW-*3 (10)	318	Eng	119				Furnished	269SMFJW-*3 (10)	318	Eng	119				Furnished			
269XBFJW-*3 (6)	335	Eng	68				Furnished	269XBFJW-*3 (6)	335	Eng	68				Furnished			
269XDFJW-*3 (7)	325	Eng	81				Furnished	269XDFJW-*3 (7)	325	Eng	81				Furnished			
269XGFJW-*3 (8)	300	Eng	96				Furnished	269XGFJW-*3 (8)	300	Eng	96				Furnished			
269XMFJW-*3 (9)	265	Eng	119				Furnished	269XMFJW-*3 (9)	265	Eng	119				Furnished			
867XGFJP-*5 (11)	575	Eng	76				Furnished	867XGFJP-*5 (11)	575	Eng	76				Furnished			
867XMFJP-*5 (12)	490	Eng	98				Furnished	867XMFJP-*5 (12)	490	Eng	98				Furnished			
867XRFJP-*5 (13)	415	Eng	117				Furnished	867XRFJP-*5 (13)	415	Eng	117				Furnished			
867XSFJP-*5 (14)	385	Eng	128				Furnished	867XSFJP-*5 (14)	385	Eng	128				Furnished			
867XTFJP-*5 (15)	350	Eng	140				Furnished	867XTFJP-*5 (15)	350	Eng	140				Furnished			
877XAFJP-*5 (16)	591	Eng	82				Furnished	877XAFJP-*3 (16)	591	Eng	82				Furnished			
877XBFJP-*5 (16)	557	Eng	87				Furnished	877XBFJP-*3 (16)	557	Eng	87				Furnished			
877XCFJP-*5 (16)	522	Eng	93				Furnished	877XCFJP-*3 (16)	522	Eng	93				Furnished			

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NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350 (2) Input Gear Part No. 5-P-1293 (3) Input Gear Part No. 5-P-1225 (4) Input Gear Part No. 5-P-1351 (5) Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912 (7) Input Gear Part No. 5-P-913 (8) Input Gear Part No. 5-P-914 (9) Input Gear Part No. 5-P-915 (10) Input Gear Part No. 5-P-1391

(11) Input Gear Part No. 5-P-1160 (12) Input Gear Part No. 5-P-1161 (13) Input Gear Part No. 5-P-1162 (14) Input Gear Part No. 5-P-1392 (15) Input Gear Part No. 5-P-1212

(16) Input Gear Part No. 5-P-1428

January 2012

Darker Chelsea

4.2.24



	DNLY			RIGHT SIDE ONLY															
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:											
L.H. 10-Bolt Ope	ening (Gear F	ORWA	RD of	Centerline			R.H. 10-Bolt Opening Gear FORWARD of Centerline											
68 Teeth - L.H. I	HELIX							68 Teeth - L.H. HELIX											
PITCH LINE TO APERTURE FACE:																			
1.7800" (45.210			1.7800" (45.210	DOMM)		1011													
Caution	TO Outpu	.+ Ch	-ft (odo	Abovo	2500 E	DM											
	vhh i	ICali		Abb	IOVAL RE	equire		. 1.0. Outpt	ມເວເ		she	eus	ADOVE	2000 F	K.F .IVI.				
LEFT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit	RIGHT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit				
P.T.O. Model	Torq.	Rot.	Hi	Rev	T MET DIOOK	Assy.	otuu tiit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Thier Brook	Assy.	otau tat				
				ONE	SPEE	D - TV	VO GE	AR - CONS		т м	IES	H							
877XDFJP-*5 (16)	490	Eng	99	<u> </u>			Furnished	877XDFJP-*3 (16)	490	Eng	99				Furnished				
877XEFJP-*5 (16)	429	Eng	113				Furnished	877XEFJP-*3 (16)	429	Eng	113				Furnished				
877XFFJP-*5 (16)	379	Eng	128				Furnished	877XFFJP-*3 (16)	379	Eng	128				Furnished				
877XGFJP-*5 (16)	334	Eng	145				Furnished	877XGFJP-*3 (16)	334	Eng	145				Furnished				
877XHFJP-*5 (16)	315	Eng	154				Furnished	877XHFJP-*3 (16)	315	Eng	154				Furnished				
877XJFJP-*5 (16)	295	Eng	164				Furnished	877XJFJP-*3 (16)	295	Eng	164				Furnished				
		0	NE	SPE	ED - TV	NO GI	EAR - I	POWERSH	IFT	(HYI	DRA	UL	C)						
277SBFJP-*5 (1)	402	Eng	72				Furnished	277SBFJP-*5 (1)	402	Eng	72				Furnished				
277SDFJP-*5 (2)	390	Eng	87				Furnished	277SDFJP-*5 (2)	390	Eng	87				Furnished				
277SGFJP-*5 (3)	360	Eng	103				Furnished	277SGFJP-*5 (3)	360	Eng	103				Furnished				
277SMFJP-*5 (4)	318	Eng	129				Furnished	277SMFJP-*5 (4)	318	Eng	129				Furnished				
277SSFJP-*5(*) (5)	265	Eng	161				Furnished	277SSFJP-*5(*) (5)	265	Eng	161				Furnished				
277XBFJP-*5 (6)	335	Eng	72				Furnished	277XBFJP-*5 (6)	335	Eng	72				Furnished				
277XDFJP-*5 (7)	325	Eng	87				Furnished	277XDFJP-*5 (7)	325	Eng	87				Furnished				
277XGFJP-*5 (8)	300	Eng	103				Furnished	277XGFJP-*5 (8)	300	Eng	103				Furnished				
277XMFJP-*5 (9)	265	Eng	129				Furnished	277XMFJP-*5 (9)	265	Eng	129				Furnished				
277XSFJP-*5(*) (5)	250	Eng	161				Furnished	277XSFJP-*5(*) (5)	250	Eng	161				Furnished				
278SBFJP-*3 (1)	402	Eng	68				Furnished	278SBFJP-*3 (1)	402	Eng	68				Furnished				
278SDFJP-*3 (2)	390	Eng	81				Furnished	278SDFJP-*3 (2)	390	Eng	81				Furnished				
278SGFJP-*3 (3)	360	Eng	96				Furnished	278SGFJP-*3 (3)	360	Eng	96				Furnished				
278SMFJP-*3 (4)	318	Eng	119				Furnished	278SMFJP-*3 (4)	318	Eng	119				Furnished				
278SSFJP-*3 (5)	265	Eng	147				Furnished	278SSFJP-*3 (5)	265	Eng	147				Furnished				
278STFJP-*3 (17)	240	Eng	173				Furnished	278STFJP-*3 (17)	240	Eng	173				Furnished				
278XBFJP-*3 (6)	335	Eng	68				Furnished	278XBFJP-*3 (6)	335	Eng	68				Furnished				
278XDFJP-*3 (7)	325	Eng	81				Furnished	278XDFJP-*3 (7)	325	Eng	81				Furnished				

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

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NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350 (2) Input Gear Part No. 5 P 1293	
(3) Input Gear Part No. 5-P-1295	
(4) Input Gear Part No. 5-P-1351(5) Input Gear Part No. 5-P-1173	

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(16) Input Gear Part No. 5-P-1428

(17) Input Gear Part No. 5-P-1410

January	2012

Parker Chelsea

4.2.25

		LEF	T S	IDE C	DNLY			RIGHT SIDE ONLY									
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Ope	ening (Gear F	ORWA	ARD of (Centerline			R.H. 10-Bolt Opening Gear FORWARD of Centerline									
68 Teeth - L.H. I	HELIX							68 Teeth - L.H. HELIX									
PITCH LINE		PER	TUR	E FAC	CE:			PITCH LINE		APER	TURI	E FAC	CE:				
Caution: Application Approval Required for									ut Sh	aft	Sne	eds	Above	2500 F	2 P M		
LEFT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	RIGHT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit			
P.T.O. Model	Torq.	Rot.	Hi	Rev		Assy.	0.001.00	P.T.O. Model	Torq.	Rot.	Hi	Rev		Assy.	Ciuu iii		
		0	NE	SPE	ED - TV	vo gi	EAR - F	POWERSH	IFT	(HY	DRA	ULI	(C)				
278XGFJP-*3 (8)	300	Eng	96				Furnished	278XGFJP-*3 (8)	300	Eng	96				Furnished		
278XMFJP-*3 (9)	265	Eng	119				Furnished	278XMFJP-*3 (9)	265	Eng	119				Furnished		
278XSFJP-*3 (5)	250	Eng	147				Furnished	278XSFJP-*3 (5)	250	Eng	147				Furnished		
278XTFJP-*3 (18)	225	Eng	173				Furnished	278XTFJP-*3 (18)	225	Eng	173				Furnished		
859XGFJP-*5 (11)	575	Eng	76				Furnished	859XGFJP-*5 (11)	575	Eng	76				Furnished		
859XJFJP-*5 (19)	525	Eng	86				Furnished	859XJFJP-*5 (19)	525	Eng	86				Furnished		
859XMFJP-*5 (12)	490	Eng	98				Furnished	859XMFJP-*5 (12)	490	Eng	98				Furnished		
859XRFJP-*5 (13)	415	Eng	117				Furnished	859XRFJP-*5 (13)	415	Eng	117				Furnished		
859XSFJP-*5 (14)	385	Eng	128				Furnished	859XSFJP-*5 (14)	385	Eng	128				Furnished		
859XTFJP-*5 (15)	350	Eng	140				Furnished	859XTFJP-*5 (15)	350	Eng	140				Furnished		
859XWFJP-*5(*) (20) 285	Eng	168				Furnished	859XWFJP-*5(*) (20)) 285	Eng	168				Furnished		
870XAFJP-*5 (16)	591	Eng	82				Furnished	870XAFJP-*3 (16)	591	Eng	82				Furnished		
870XBFJP-*5 (16)	557	Eng	87				Furnished	870XBFJP-*3 (16)	557	Eng	87				Furnished		
870XCFJP-*5 (16)	522	Eng	93				Furnished	870XCFJP-*3 (16)	522	Eng	93				Furnished		
870XDFJP-*5 (16)	490	Eng	99				Furnished	870XDFJP-*3 (16)	490	Eng	99				Furnished		
870XEFJP-*5 (16)	429	Eng	113				Furnished	870XEFJP-*3 (16)	429	Eng	113				Furnished		
870XFFJP-*5 (16)	379	Eng	128				Furnished	870XFFJP-*3 (16)	379	Eng	128				Furnished		
870XGFJP-*5 (16)	334	Eng	145				Furnished	870XGFJP-*3 (16)	334	Eng	145				Furnished		
870XHFJP-*5 (16)	315	Eng	154				Furnished	870XHFJP-*3 (16)	315	Eng	154				Furnished		
870XJFJP-*5 (16)	295	Eng	164				Furnished	870XJFJP-*3 (16)	295	Eng	164				Furnished		

ONE SPEED - POWERSHIFT (HYD) EXTENDED SHAFT

890MAFJW-*5 (16)	591	Eng	82	Furnished
890MBFJW-*5 (16)	557	Eng	87	Furnished
890MCFJW-*5 (16)	522	Eng	93	Furnished
890MDFJW-*5 (16)	490	Eng	99	Furnished

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(5) Input Gear Part No. 5-P-1173
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(11) Input Gear Part No. 5-P-1160
(12) Input Gear Part No. 5-P-1161

(13) Input Gear Part No. 5-P-1162
(14) Input Gear Part No. 5-P-1392
(15) Input Gear Part No. 5-P-1212
(16) Input Gear Part No. 5-P-1428
(18) Input Gear Part No. 5-P-1409

(19) Input Gear Part No. 5-P-1394 (20) Input Gear Part No. 5-P-1309

January 2012

-Parker Chelsea

4.2.26



		LEF	T SI	DE O	ONLY										
TRANSMISS L.H. 10-Bolt Oper	ION ning	GEA Gear F	R DA ORWA	TA: .RD of	Centerline										
68 Teeth - L.H. H	IELIX														
PITCH LINE 1.7800" (45.2100	TO A	APER	TURI	EFAG	CE:										
Caution: A	ppl	icati	ion /	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sh	naft \$	Spo	eeds	Above 2	2500 F	R.P.M.
LEFT Side	Inter.	Dir.	Engi	ne %	Filler Block	Adapter	Stud Kit		Inter.	Dir.	Er	ngine %	Filler Block	Adapter	Stud Kit
P.T.O. Model	Torq.	Rot.	Hi	Rev	T IIIer Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	T IIIET BIOCK	Assy.	Stuu Kit
		(ONE	SP	EED - P	OWE	RSHIF	T (HYD) EX	(TEN	IDE	D٤	SHAF	T		
890MEFJW-*5 (16)	429	Eng	113				Furnished								
890MFFJW-*5 (16)	379	Eng	128				Furnished								
890MGFJW-*5 (16)	334	Eng	145				Furnished								
890MHFJW-*5 (16)	315	Eng	154				Furnished								
			ON	E S	PEED -	CONS	<u>STANT</u>	MESH EX	TEN	DED) S	HAF1			
897MAFJW-*5 (16)	591	Eng	82				Furnished								
897MBFJW-*5 (16)	557	Eng	87				Furnished								
897MCFJW-*5 (16)	522	Eng	93				Furnished								
897MDFJW-*5 (16)	490	Eng	99				Furnished								
897MEFJW-*5 (16)	429	Eng	113				Furnished								

Furnished

Furnished

Furnished

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: When direct mounting a Parker P2 060 piston pump to a 267 Series P.T.O. on the left (drivers) side opening, the P.T.O. must be ordered as a "3" assembly arrangement for pump clearance.

NOTE: Pump brackets for the Parker P2 060 piston pump are available and must be ordered separately. For the 267 Series Left Side 329413-1X, for the 277 Series Right Side 329413-2X and for the 278 Right Side 329413-3X

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-4X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-1X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the "3" arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use adapter gear assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: (*) Only for MD transmissions built after June 5, 1997 starting with serial number 6510119021.

NOTE: 890/897 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(16) Input Gear Part No. 5-P-1428

897MFFJW-*5 (16) 379 Eng

897MGFJW-*5 (16) 334 Eng

897MHFJW-*5 (16) 315 Eng

128

145

154

January 2012

-**Parker** Chelsea

ALL-14

4000 EVS	4430 ORS	B 500
4000 MH	4430 SP	HD-4060P
4000 RDS	4440	HD-4070P
4000 TRV	4500 EVS	HD-4560P
4430	4500 RDS	

	1000															
		LE	FT S	IDE C	ONLY					ТО	P SI		NLY			
TRANSMIS	SION	GEA		TA:				TRANSMISSION GEAR DATA:								
L.H. 10-Bolt Op	pening	Gear F	ORW	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline								
97 Teeth - L.H.	HELIX							97 Teeth - L.	H. HELIX							
	= то и		TUP	E EAG	CE.			PITCH			TUP	F FAG	CE.			
1.7799" (45.210	00MM)							1.7799" (45.2100MM)								
Caution:	Appl	icat	ion	Арр	roval Re	quire	d for P	.T.O. Out	out SI	naft	Spe	eds	Above	2500 F	R.P.M.	
	EET Side		ine %							Engine %						
	Inter. Torg.	Dir. Rot.			Filler Block	Adapter Assy.	Stud Kit		Inter. Torg.	Dir. Rot.			Filler Block	Adapter Assy.	Stud Kit	
P.I.O. Model			Hi	Rev				P.1.0. Mode	1		Hi	Rev				
				ONE	E SPEE	<u>D - TV</u>	VO GE/	<u> AR - CON</u>	STA	NT N	<u>IES</u>	Η				
267SBFJP-*5 (1)	402	Eng	103				Furnished	267SBFJP-*3 (1)	402	Eng	103				Furnished	
267SDFJP-*5 (2)	390	Eng	123				Furnished	267SDFJP-*3 (2)	390	Eng	123				Furnished	
267SGFJP-*5 (3)	360	Eng	147				Furnished	267SGFJP-*3 (3)	360	Eng	147				Furnished	
267SMFJP-*5 (4)	318	Eng	184				Furnished	267SMFJP-*3 (4)	318	Eng	184				Furnished	
267SSFJP-*5 (5)	265	Eng	229				Furnished	267SSFJP-*3 (5)	265	Eng	229				Furnished	
267XBFJP-*5 (6)	335	Eng	103				Furnished	267XBFJP-*3 (6)	335	Eng	103				Furnished	
267XDFJP-*5 (7)	325	Eng	123				Furnished	267XDFJP-*3 (7)	325	Eng	123				Furnished	
267XGFJP-*5 (8)	300	Eng	147				Furnished	267XGFJP-*3 (8)	300	Eng	147				Furnished	
267XMFJP-*5 (9)	265	Eng	184				Furnished	267XMFJP-*3 (9)	265	Eng	184				Furnished	
267XSFJP-*5 (5)	250	Eng	229				Furnished	267XSFJP-*3 (5)	250	Eng	229				Furnished	
269SBFJW-*3 (1)	402	Eng	97				Furnished	269SBFJW-*3 (1) 402	Eng	97				Furnished	
269SDFJW-*3 (2)	390	Eng	115				Furnished	269SDFJW-*3 (2) 390	Eng	115				Furnished	
269SMFJW-*3 (4)	318	Eng	170				Furnished	269SGFJW-*3 (3) 360	Eng	137				Furnished	
269XBFJW-*3 (6)	335	Eng	97				Furnished	269SMFJW-*3 (4) 318	Eng	170				Furnished	
269XDFJW-*3 (7)	325	Eng	115				Furnished	269XBFJW-*3 (6) 335	Eng	97				Furnished	
269XGFJW-*3 (8)	300	Eng	137				Furnished	269XDFJW-*3 (7) 325	Eng	115				Furnished	
269XMFJW-*3 (9)	265	Eng	170				Furnished	269XGFJW-*3 (8) 300	Eng	137				Furnished	
867XGFJP-*5 (10)	575	Eng	108				Furnished	269XMFJW-*3 (9) 265	Eng	170				Furnished	
867XMFJP-*5 (11)	490	Eng	139				Furnished	867XGFJP-*5 (10)) 575	Eng	108				Furnished	
867XRFJP-*5 (12)	410	Eng	167				Furnished	867XMFJP-*5 (1	1) 490	Eng	139				Furnished	
877XAFJP-*5 (14)	591	Eng	116				Furnished	867XRFJP-*5 (12	?) 410	Eng	167				Furnished	
877XBFJP-*5 (14)	552	Eng	124				Furnished	867XSFJP-*5 (13) 375	Eng	183				Furnished	
877XCFJP-*5 (14)	515	Eng	133				Furnished	877XAFJP-*3 (14) 591	Eng	116				Furnished	
877XDFJP-*5 (14)	482	Eng	142				Furnished	877XBFJP-*3 (14) 552	Eng	124				Furnished	
877XEFJP-*5 (14)	425	Ena	161				Furnished	877XCFJP-*3 (14) 515	Ena	133				Furnished	

Allison

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

Continued Next Page

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

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NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

877XFFJP-*5 (14) 376 Eng

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

Furnished 877XDFJP-*3 (14) 482 Eng

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January 2012

-**Parker** Chelsea

4.2.28

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

Furnished

CHELSEA®

ALLISON

Α	LL	1	4
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4000 EVS	4430 ORS	B 500
4000 MH	4430 SP	HD-4060F
4000 RDS	4440	HD-4070F
4000 TRV	4500 EVS	HD-4560F
4430	4500 RDS	

	LEFT SIDE ONLY								TOP SIDE ONLY								
TRANSMIS	SION bening	GEA Gear F	r da orw <i>i</i>	TA: ARD of	Centerline			TRANSMISSION GEAR DATA: TOP 10-Bolt Opening Gear FORWARD of Centerline									
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX									
PITCH LINE 1.7799" (45.210	E TO A	APER	TUR	E FAG	CE:			PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)									
Caution:	Appl	icat	ion	Арр	roval Re	equire	d for P	. T.O .	Outpu	ut Sh	naft (Spe	eds	Above 2	2500 F	R.P.M.	
LEFT Side	Inter	Dir	Eng	ine %		Adapter		ТОР	Side	Inter	r. Dir.	Eng	ine %		Adapter		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O.	Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	
				ONF		D - TV		4R - (CONS	ΤΔΝ	N TL	IFS	H				
						0 11		877XEFJ	IP-*3 (14)	425	Ena	161	••			Furnished	
								877XFFJ	IP-*3 (14)	376	Eng	182				Furnished	
		0	NF	SPF	FD - T\	NO G	FAR - I	POW	RSH	IFT	(HY		101	C)			
277SBFJP-*5 (1)	402	Eng	103				Furnished	277SBFJ	IP-*5 (1)	402	Ena	103		•/		Furnished	
277SDFJP-*5 (2)	390	Eng	123				Furnished	277SDFJ	JP-*5 (2)	390	Eng	123				Furnished	
277SGFJP-*5 (3)	360	Eng	147				Furnished	277SGF	JP-*5 (3)	360	Eng	147				Furnished	
277SMFJP-*5 (4)	318	Eng	184				Furnished	277SMF	JP-*5 (4)	318	Eng	184				Furnished	
277SSFJP-*5 (5)	265	Eng	229				Furnished	277SSFJ	IP-*5 (5)	265	Eng	229				Furnished	
277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBFJ	IP-*5 (6)	335	Eng	103				Furnished	
277XDFJP-*5 (7)	325	Eng	123				Furnished	277XDFJ	JP-*5 (7)	325	Eng	123				Furnished	
277XGFJP-*5 (8)	300	Eng	147				Furnished	277XGF	JP-*5 (8)	300	Eng	147				Furnished	
277XMFJP-*5 (9)	265	Eng	184				Furnished	277XMF	JP-*5 (9)	265	Eng	184				Furnished	
277XSFJP-*5 (5)	250	Eng	229				Furnished	277XSFJ	IP-*5 (5)	250	Eng	229				Furnished	
278SBFJP-*3 (1)	402	Eng	97				Furnished	278SBFJ	IP-*3 (1)	402	Eng	97				Furnished	
278SDFJP-*3 (2)	390	Eng	115				Furnished	278SDFJ	JP-*3 (2)	390	Eng	115				Furnished	
278SGFJP-*3 (3)	360	Eng	137				Furnished	278SGF	JP-*3 (3)	360	Eng	137				Furnished	
278SMFJP-*3 (4)	318	Eng	170				Furnished	278SMF	JP-*3 (4)	318	Eng	170				Furnished	
278SSFJP-*3 (15)	265	Eng	210				Furnished	278SSFJ	IP-*3 (15)	265	Eng	210				Furnished	
278XBFJP-*3 (6)	335	Eng	97				Furnished	278XBFJ	IP-*3 (6)	335	Eng	97				Furnished	
278XDFJP-*3 (7)	325	Eng	115				Furnished	278XDFJ	JP-*3 (7)	325	Eng	115				Furnished	
278XGFJP-*3 (8)	300	Eng	137				Furnished	278XGF	JP-*3 (8)	300	Eng	137				Furnished	
278XMFJP-*3 (9)	265	Eng	170				Furnished	278XMF	JP-*3 (9)	265	Eng	170				Furnished	
278XSFJP-*3 (5)	250	Eng	210				Furnished	278XSFJ	IP-*3 (5)	250	Eng	210				Furnished	
859XGFJP-*5 (10)	575	Eng	108				Furnished	859XGF	JP-*5 (10)	575	Eng	108				Furnished	
859XJFJP-*5 (16)	525	Eng	123				Furnished	859XJFJ	P-*5 (16)	525	Eng	123				Furnished	

Continued Next Page

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NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(14) Input Gear Part No. 5-P-1428
(15) Input Gear Part No. 5-P-1178
(16) Input Gear Part No. 5-P-1394

January 2012

-Parker Chelsea

ALL-14

Furnished

4000 EVS	4430 ORS	B 500
4000 MH	4430 SP	HD-4060P
4000 RDS	4440	HD-4070P
4000 TRV	4500 EVS	HD-4560P
4430	4500 RDS	

		LEF	FT S	IDE (ONLY			TOP SIDE ONLY									
TRANSMISS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEA	R DA	TA:					
L.H. 10-Bolt Ope	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX									
			тпр		~ E .			PITCH LINE TO APERTURE FACE									
1.7799" (45.210	00MM)				JL.			1.7799" (45.2100MM)									
Caution: A	Appl	icat	ion	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sł	naft	Spe	eds	Above	2500 F	R.P.M.		
				TOD Cide			Eng	uno %									
	Inter.	Dir. Rot			Filler Block	Adapter		Inter.	Dir. Rot	Ling		Filler Block	Adapter	Stud Kit			
P.T.O. Model	rorq.	not.	Hi	Rev		A00J.		P.T.O. Model	Torq.	1.01.	Hi	Rev		A009.			
		0	NE	SPE	ED - T	NO GI	EAR - I	POWERSH	IFT	(HY	DRA	AUL	IC)				
859XMFJP-*5 (11)	490	Eng	139				Furnished	859XMFJP-*5 (11)	490	Eng	139				Furnished		
870XAFJP-*5 (14)	591	Eng	116				Furnished	859XRFJP-*5 (12)	410	Eng	167				Furnished		
870XBFJP-*5 (14)	552	Eng	124				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished		
870XCFJP-*5 (14)	515	Eng	133				Furnished	870XAFJP-*3 (14)	591	Eng	116				Furnished		
870XDFJP-*5 (14)	482	Eng	142				Furnished	870XBFJP-*3 (14)	552	Eng	124				Furnished		
870XEFJP-*5 (14)	425	Eng	161				Furnished	870XCFJP-*3 (14)	515	Eng	133				Furnished		
870XFFJP-*5 (14)	376	Eng	182				Furnished	870XDFJP-*3 (14)	482	Eng	142				Furnished		
								870XEFJP-*3 (14)	425	Eng	161				Furnished		
								870XFFJP-*3 (14)	376	Eng	182				Furnished		
		(ONE	E SP	EED - P	OWE	RSHIF	T (HYD) EX	(TEN	NDE	DS	HAF	Ŧ				
890HAFJW-*5 (14)	591	Eng	116				Furnished	890UAFJW-*5 (14)	591	Eng	116				Furnished		
890HBFJW-*5 (14)	552	Eng	124				Furnished	890UBFJW-*5 (14)	552	Eng	124				Furnished		
890HCFJW-*5 (14)	515	Eng	133				Furnished	890UCFJW-*5 (14)	515	Eng	133				Furnished		
890HDFJW-*5 (14)	482	Eng	142				Furnished	890UDFJW-*5 (14)	482	Eng	142				Furnished		
890HEFJW-*5 (14)	425	Eng	161				Furnished	890UEFJW-*5 (14)	425	Eng	161				Furnished		
890HFFJW-*5 (14)	376	Eng	182				Furnished	890UFFJW-*5 (14)	376	Eng	182				Furnished		
			ON	E S	PEED -	CONS	TANT	MESH EX	TEN	DED) SH	IAF1	Г				
897HAFJW-*5 (14)	591	Eng	116				Furnished	897UAFJW-*5 (14)	591	Eng	116				Furnished		
897HBFJW-*5 (14)	552	Eng	124				Furnished	897UBFJW-*5 (14)	552	Eng	124				Furnished		
897HCFJW-*5 (14)	515	Eng	133				Furnished	897UCFJW-*5 (14)	515	Eng	133				Furnished		
897HDFJW-*5 (14)	482	Eng	142				Furnished	897UDFJW-*5 (14)	482	Eng	142				Furnished		
897HEFJW-*5 (14)	425	Eng	161				Furnished	897UEFJW-*5 (14)	425	Eng	161				Furnished		

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

Furnished 897UFFJW-*5 (14) 376 Eng

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CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

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NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

897HFFJW-*5 (14) 376 Eng

January 2012

Parker Chelsea

4.2.30



	LEFT SIDE ONLY									TOP SIDE ONLY								
TRANSMISS L.H. 10-Bolt Op 97 Teeth - L.H.	SION ening (HELIX	GEAI Gear F	r da Orw <i>i</i>	TA: ARD of	Centerline				TRANSMISSION GEAR DATA: TOP 10-Bolt Opening Gear FORWARD of Centerline 97 Teeth - L.H. HELIX									
			тпо		~ Е.				PITCH LINE TO APERTURE FACE:									
1.7799" (45.210	10 A 00 MM)		IUK		JE.				1.7799" (45.2100MM)									
	,	41						-1 (D	DTO Output Shaft Speeds Above 2500 B.D.M.									
Caution: A	чррі	Icati	on .	Арр	rovali	kequ	Ire	a tor P	. I.O. Outp	ut Sr	ιαπ	Spe	eas	Above	2500 F	K.P.IVI.		
LEFT Side	Inter.	Dir.	Eng	ine %		Ada	pter	-	TOP Side	Inter.	Dir.	Eng	ine %		Adapter			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Bloc	k As	sy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
							T\A											
				ON	= SPE	<u>- LD -</u>	IW	/0 GE/	AR - CON	SIAP		/IES	H					
267SBFJP-*5 (1)	402	Eng	103					Furnished	267SBFJP-*3 (1)	402	Eng	103				Furnished		
267SDFJP-*5 (2)	390	Eng	123					Furnished	267SDFJP-*3 (2)	390	Eng	123				Furnished		
267SGFJP-*5 (3)	360	Eng	147					Furnished	267SGFJP-"3 (3)	360	Eng	147				Furnished		
2075IVIFJP- 5 (4)	310	Eng	220					Furnished	207 SIVIEJP- 3 (4)	310	Eng	104				Furnished		
20755FJP- 5 (5)	205	Eng	229					Furnished	20755FJP- 3 (3)	200	Eng	229				Furnished		
267XBFJP-"5 (6)	335	Eng	103					Furnished	267XBFJP-"3 (6)	335	Eng	103				Furnished		
267XDFJP- 5 (7)	325	Eng	123					Furnished	207 XDFJP- 3 (7)	325	Eng	123				Furnished		
207XGFJP- 5 (0)	300	Eng	147					Furnished	207 XGFJP- 3 (6)	300	Eng	147				Furnished		
207 XIVIFJF- 5 (9)	200	Eng	220					Furnished	207 AIVIFJF- 3 (9)	200	Eng	220				Furnished		
207X3FJF- 3 (3)	402	Eng	07					Eurnished	260SBE IW/ *3 (1)	402	Eng	07				Eurnished		
2093BFJW- 3 (1)	206	Eng	102					Furnished	2093DFJW- 3 (1)	402	Eng	37				Furnished		
2093CFJW- 3 (10)	300	Eng	115					Furnished	2093CFJW- 3 (10)	300	Eng	115				Furnished		
269SGE IW-*3 (3)	360	Eng	137					Furnished	269SGE IW_*3 (3)	360	Eng	137				Furnished		
269SME IW_*3 (4)	318	Eng	170					Furnished	269SMF IW_*3 (4)	318	Eng	170				Furnished		
269XBE IW-*3 (6)	335	Eng	97					Furnished	269XBE.IW-*3 (6)	335	Eng	97				Furnished		
269XDE.IW-*3 (7)	325	Eng	115					Furnished	269XDE.IW-*3 (7)	325	Eng	115				Furnished		
269XGEJW-*3 (8)	300	Eng	137					Furnished	269XGEJW-*3 (8)	300	Eng	137				Furnished		
269XMEJW-*3 (9)	265	Eng	170					Furnished	269XMFJW-*3 (9)	265	Eng	170				Furnished		
867XGEJP-*5 (11)	575	Eng	108					Furnished	867XGEJP-*5 (11)	575	Eng	108				Furnished		
867XRF.IP-*5 (13)	410	Eng	167					Furnished	867XME.IP-*5 (12)	490	Eng	139				Furnished		
877XAFJP-*5 (15)	591	Ena	116					Furnished	867XSFJP-*5 (14)	375	Ena	183				Furnished		
877XBFJP-*5 (15)	552	Ena	124					Furnished	877XAFJP-*3 (15)	591	Eng	116				Furnished		
877XCFJP-*5 (15)	515	Ena	133					Furnished	877XBFJP-*3 (15)	552	Eng	124				Furnished		
877XDFJP-*5 (15)	482	Ena	142					Furnished	877XCFJP-*3 (15)	515	Eng	133				Furnished		
877XEFJP-*5 (15)	425	Eng	161					Furnished	877XDFJP-*3 (15)	482	Eng	142				Furnished		
							6	ntinuad	Novt Bogo									

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

Zarker

Chelsea

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1423

(11) Input Gear Part No. 5-P-1160 (12) Input Gear Part No. 5-P-1161 (13) Input Gear Part No. 5-P-1162 (14) Input Gear Part No. 5-P-1392 (15) Input Gear Part No. 5-P-1428

		LEF	IDE C	ONLY			TOP SIDE ONLY										
TRANSMIS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Op	pening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX									
	= то /		тпр		~=.												
1.7799" (45.21	00MM)		IUR					1.7799" (45.2100MM)									
Contiers	Ann	leet		A 10 10			d for D		.4 CL		Cinc	ode	About	2500 5			
Caution:	чррі	icat	ION	мрр	roval Re	equire	u tor P		λί δ ί	ian a	Spe	eas	ADOVE	2000 F	K.P.IVI .		
LEFT Side	Inter.	Dir.	Eng	jine %		Adapter	Stud Kit	TOP Side	Inter.	Dir.	Engine %		Eiller Black	Adapter	Stud Kit		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	ні	Rev	Filler Block	Assy.	Stud Kit		
		I										L		1			
	276	Eng	100		JPEE	יאו-ש						17			Europie he d		
o//XFFJP-"5 (15)	3/0	Eng	102				rurnisned	677XFFJP-*3 (15)	425 376	Eng	182				Furnished		
		~		CD					IET	/山ソ			C)				
				375	ED - IV	VU GI		-OWERSH				AUL	()				
277SBFJP-*5 (1)	402 390	Eng	103				Furnished	277SDEJP-*5 (1)	402 390	Eng Eng	103 123				Furnished		
277SGEJP-*5 (3)	360	Eng	147				Furnished	277SGEJP-*5 (3)	360	Eng	147				Furnished		
277SMFJP-*5 (4)	318	Eng	184				Furnished	277SMFJP-*5 (4)	318	Eng	184				Furnished		
277SSFJP-*5 (5)	265	Eng	229				Furnished	277SSFJP-*5 (5)	265	Eng	229				Furnished		
277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBFJP-*5 (6)	335	Eng	103				Furnished		
277XDFJP-*5 (7)	325	Eng	123				Furnished	277XDFJP-*5 (7)	325	Eng	123				Furnished		
277XGFJP-*5 (8)	300	Eng	147				Furnished	277XGFJP-*5 (8)	300	Eng	147				Furnished		
277XMFJP-*5 (9)	265	Eng	184				Furnished	277XMFJP-*5 (9)	265	Eng	184				Furnished		
277XSFJP-*5 (5)	250	Eng	229				Furnished	277XSFJP-*5 (5)	250	Eng	229				Furnished		
278SBFJP-*3 (1)	402	Eng	97				Furnished	278SBFJP-*3 (1)	402	Eng	97				Furnished		
278SDFJP-*3 (2)	390	Eng	115				Furnished	278SDFJP-*3 (2)	390	Eng	115				Furnished		
278SGFJP-*3 (3)	360	Eng	137				Furnished	278SGFJP-*3 (3)	360	Eng	137				Furnished		
278SMFJP-*3 (4)	318	Eng	170				Furnished	278SMFJP-*3 (4)	318	Eng	170				Furnished		
278SSFJP-*3 (5)	265	Eng	210				Furnished	278SSFJP-*3 (5)	265	Eng	210				Furnished		
278STFJP-*3 (16)	240	Eng	247				Furnished	278STFJP-*3 (16)	240	Eng	247				Furnished		
278XBFJP-*3 (6)	335	Eng	97				Furnished	278XBFJP-*3 (6)	335	Eng	97				Furnished		
278XDFJP-*3 (7)	325	Eng	115				Furnished	278XDFJP-*3 (7)	325	Eng	115				Furnished		
278XGFJP-*3 (8)	300	Eng	137				Furnished	278XGFJP-*3 (8)	300	Eng	137				Furnished		
278XMFJP-*3 (9)	265	Eng	170				Furnished	278XMFJP-*3 (9)	265	Eng	170				Furnished		
278XSFJP-*3 (5)	250	Eng	210				Furnished	278XSFJP-*3 (5)	250	Eng	210				Furnished		
278XTFJP-*3 (17)	225	Eng	247				Furnished	278XTFJP-*3 (17)	225	Eng	247				Furnished		

Continued Next Page

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Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
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 Input Gear Part No. 5-P-1173

Allison

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(15) Input Gear Part No. 5-P-1428

(16) Input Gear Part No. 5-P-1410 (17) Input Gear Part No. 5-P-1409

January 2012

4.2.32



		LEF	FT S	IDE (ONLY			TOP SIDE ONLY									
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX									
			THR	E EA	CE												
1.7799" (45.210	DOMM)							1.7799" (45.2100MM)									
Court lours d				A	manual D		al fan D	TO Outer	.4 01		0		Alexand	0500 1			
Caution: A	Caution: Application Approval Required for									iart	Spe	eas	ADOVE	2500 1	K.P.IVI.		
LEFT Side	Inter.	Dir.	Eng	jine %		Adapter		TOP Side	Inter.	Dir.	Eng	jine %		Adapter			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
			NE	SDE													
950XCE ID *5 (11)	575	Eng	108	JFL			Eurnished		575	Eng	108	AUL	10)		Eurpishod		
859XJFJP-*5 (11)	525	Eng	123				Furnished	859XJFJP-5(11)	575	Eng	123				Furnished		
870XAFJP-*5 (15)	591	Eng	116				Furnished	859XMFJP-*5 (12)	490	Eng	139				Furnished		
870XBFJP-*5 (15)	552	Eng	124				Furnished	859XRFJP-*5 (13)	410	Eng	167				Furnished		
870XCFJP-*5 (15)	515	Eng	133				Furnished	859XSFJP-*5 (14)	375	Eng	183				Furnished		
870XDFJP-*5 (15)	482	Eng	142				Furnished	859XTFJP-*5 (19)	340	Eng	200				Furnished		
870XEFJP-*5 (15)	425	Eng	161				Furnished	859XWFJP-*5 (20)	285	Eng	239				Furnished		
870XFFJP-*5 (15)	376	Eng	182				Furnished	870XAFJP-*3 (15)	591	Eng	116				Furnished		
								870XBFJP-*3 (15)	552	Eng	124				Furnished		
								870XCFJP-*3 (15)	515	Eng	133				Furnished		
								870XDFJP-*3 (15)	482	Eng	142				Furnished		
								870XEFJP-*3 (15)	425	Eng	161				Furnished		
								870XFFJP-*3 (15)	376	Eng	182				Furnished		
		(ONE	E SP	EED - F	OWE	RSHIF	T (HYD) E)		NDE	DS	HAF	=T				
890CAFJW-*3 (15)	591	Eng	116				Furnished	890UAFJW-*5 (15)	591	Eng	116				Furnished		
890CBFJW-*3 (15)	552	Eng	124				Furnished	890UBFJW-*5 (15)	552	Eng	124				Furnished		
890CCFJW-*3 (15)	515	Eng	133				Furnished	890UCFJW-*5 (15)	515	Eng	133				Furnished		
890CDFJW-*3 (15)	482	Eng	142				Furnished	890UDFJW-*5 (15)	482	Eng	142				Furnished		
890CEFJW-*3 (15)	425	Eng	161				Furnished	890UEFJW-*5 (15)	425	Eng	161				Furnished		
890CFFJW-*3 (15)	376	Eng	182				Furnished	890UFFJW-*5 (15)	376	Eng	182				Furnished		
			ON	IE S	PEED -	CONS	TANT	MESH EX	TEN	DEC) SH	IAF ¹	Γ				
897CAFJW-*3 (15)	591	Ena	116				Furnished	897UAFJW-*5 (15)	591	Eng	116		-		Furnished		
897CBFJW-*3 (15)	552	Eng	124				Furnished	897UBFJW-*5 (15)	552	Eng	124				Furnished		
897CCFJW-*3 (15)	515	Eng	133				Furnished	897UCFJW-*5 (15)	515	Eng	133				Furnished		
897CDFJW-*3 (15)	482	Eng	142				Furnished	897UDFJW-*5 (15)	482	Eng	142				Furnished		
897CEFJW-*3 (15)	425	Eng	161				Furnished	897UEFJW-*5 (15)	425	Eng	161				Furnished		
897CFFJW-*3 (15)	376	Eng	182				Furnished	897UFFJW-*5 (15)	376	Eng	182				Furnished		

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(11) Input Gear Part No. 5-P-1160
(12) Input Gear Part No. 5-P-1161
(13) Input Gear Part No. 5-P-1162
(14) Input Gear Part No. 5-P-1392
(15) Input Gear Part No. 5-P-1428

(18) Input Gear Part No. 5-P-1394(19) Input Gear Part No. 5-P-1212(20) Input Gear Part No. 5-P-1309

January 2012



		LEF	T SI	DE C	DNLY			TOP SIDE ONLY										
TRANSMISS	SION	GEA		TA:				TRANSMISSION GEAR DATA:										
L.H. 10-Bolt Op	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline										
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX										
PITCH LINE 1.7799" (45.210	E:		PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)															
Caution: A	٩	icati	ion /	App	roval Re	quire	d for P	.T.O. Outpu	ut Sh	aft	Spe	eds	Above 2	2500 F	R.P.M.			
LEFT Side	Intor	Dir	Engi	ine %		Adaptar		TOP Side	Intor	Dir	Eng	ine %		Adaptor				
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit			
						דע דע												
2679RE ID *5 (1)	402	Eng	103		JFLL	J - 1V	Eurnished	267SRE ID *3 (1)	402	Eng	103				Furnished			
267SDFJP-*5 (2)	390	Eng	123				Furnished	267SDFJP-*3 (2)	390	Eng	123				Furnished			
267SGFJP-*5 (3)	360	Ena	147				Furnished	267SGFJP-*3 (3)	360	Ena	147				Furnished			
267SMFJP-*5 (4)	318	Ena	184				Furnished	267SMFJP-*3 (4)	318	Ena	184				Furnished			
267SSFJP-*5 (5)	265	Ena	229				Furnished	267SSFJP-*3 (5)	265	Ena	229				Furnished			
267XBFJP-*5 (6)	335	Eng	103				Furnished	267XBFJP-*3 (6)	335	Ena	103				Furnished			
267XDFJP-*5 (7)	325	Eng	123				Furnished	267XDFJP-*3 (7)	325	Eng	123				Furnished			
267XGFJP-*5 (8)	300	Eng	147				Furnished	267XGFJP-*3 (8)	300	Eng	147				Furnished			
267XMFJP-*5 (9)	265	Eng	184				Furnished	267XMFJP-*3 (9)	265	Eng	184				Furnished			
267XSFJP-*5 (5)	250	Eng	229				Furnished	267XSFJP-*3 (5)	250	Eng	229				Furnished			
269SBFJW-*3 (1)	402	Eng	97				Furnished	269SBFJW-*3 (1)	402	Eng	97				Furnished			
269SDFJW-*3 (2)	390	Eng	115				Furnished	269SDFJW-*3 (2)	390	Eng	115				Furnished			
269SGFJW-*3 (3)	360	Eng	137				Furnished	269SGFJW-*3 (3)	360	Eng	137				Furnished			
269SMFJW-*3 (4)	318	Eng	170				Furnished	269SMFJW-*3 (4)	318	Eng	170				Furnished			
269XBFJW-*3 (6)	335	Eng	97				Furnished	269XBFJW-*3 (6)	335	Eng	97				Furnished			
269XDFJW-*3 (7)	325	Eng	115				Furnished	269XDFJW-*3 (7)	325	Eng	115				Furnished			
269XGFJW-*3 (8)	300	Eng	137				Furnished	269XGFJW-*3 (8)	300	Eng	137				Furnished			
269XMFJW-*3 (9)	265	Eng	170				Furnished	269XMFJW-*3 (9)	265	Eng	170				Furnished			
867XGFJP-*5 (10)	575	Eng	108				Furnished	867XGFJP-*5 (10)	575	Eng	108				Furnished			
867XMFJP-*5 (11)	490	Eng	139				Furnished	867XMFJP-*5 (11)	490	Eng	139				Furnished			
867XRFJP-*5 (12)	410	Eng	167				Furnished	867XRFJP-*5 (12)	410	Eng	167				Furnished			
877XAFJP-*5 (14)	591	Eng	116				Furnished	867XSFJP-*5 (13)	375	Eng	183				Furnished			
877XBFJP-*5 (14)	552	Eng	124				Furnished	877XAFJP-*3 (14)	591	Eng	116				Furnished			
877XCFJP-*5 (14)	515	Eng	133				Furnished	877XBFJP-*3 (14)	552	Eng	124				Furnished			
877XDFJP-*5 (14)	482	Eng	142				Furnished	877XCFJP-*3 (14)	515	Eng	133				Furnished			
877XEFJP-*5 (14)	425	Eng	161				Furnished	877XDFJP-*3 (14)	482	Eng	142				Furnished			

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when veiwed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

Parker Chelsea

Allison

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

January 2012

4.2.34



		LEF	T S	IDE (ONLY						TOF	P SIC	DE O	NLY				
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:										
L.H. 10-Bolt Op	enina	Gear F	ORWA	ARD of	Centerline			TOP	10-Bolt Or	penina	Gear F	ORWA	ARD of	Centerline				
97 Teeth - I H								97 Teeth - L.H. HELIX										
			тп		Э Е.													
1 7799" (45 2100MM)									1 7799" (45 2100MM)									
									• (.0.2.1				-					
Caution: A	Appl	icati	ion	Арр	roval Re	equire	d for P	.T.O.	Outpu	ut Sr	haft s	Spe	eds	Above	2500 F	R.P.M.		
LEFT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit	ТОР	Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stuu Kit	P.T.O	Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
						ד ר			CONS									
	276	Eng	100			J - I V				425		161				Furnished		
8//XFFJP-"5 (14)	370	Eng	102				Furnisned	877XEF	JP-"3 (14) IP-*3 (14)	425 376	Eng	182				Furnished		
				000							// //					. annonou		
		0	NE	SPE	:ED - IN	VO GI	<u> - AK - I</u>	-0w	ERSH		(HYI	JRA	UL	(C)				
277SBFJP-*5 (1)	402	Eng	103				Furnished	277SBF	JP-*5 (1)	402	Eng	103				Furnished		
277SDFJP-*5 (2)	390	Eng	123				Furnished	277SDF	JP-*5 (2)	390	Eng	123				Furnished		
277SGFJP-*5 (3)	360	Eng	147				Furnished	277SGF	JP-*5 (3)	360	Eng	147				Furnished		
277SMFJP-*5 (4)	318	Eng	184				Furnished	277SMF	JP-*5 (4)	318	Eng	184				Furnished		
277SSFJP-*5 (5)	265	Eng	229				Furnished	277SSF	JP-*5 (5)	265	Eng	229				Furnished		
277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBF	JP-*5 (6)	335	Eng	103				Furnished		
277XDFJP-*5 (7)	325	Eng	123				Furnished	277XDF	JP-*5 (7)	325	Eng	123				Furnished		
277XGFJP-*5 (8)	300	Eng	147				Furnished	277XGF	JP-*5 (8)	300	Eng	147				Furnished		
277XMFJP-*5 (9)	265	Eng	184				Furnished	277XMF	JP-*5 (9)	265	Eng	184				Furnished		
277XSFJP-*5 (5)	250	Eng	229				Furnished	277XSF	JP-*5 (5)	250	Eng	229				Furnished		
278SBFJP-*3 (1)	402	Eng	97				Furnished	278SBF	JP-*3 (1)	402	Eng	97				Furnished		
278SDFJP-*3 (2)	390	Eng	115				Furnished	278SDF	JP-*3 (2)	390	Eng	115				Furnished		
278SGFJP-*3 (3)	360	Eng	137				Furnished	278SGF	JP-*3 (3)	360	Eng	137				Furnished		
278SMFJP-*3 (4)	318	Eng	170				Furnished	278SMF	JP-*3 (4)	318	Eng	170				Furnished		
278SSFJP-*3 (5)	265	Eng	210				Furnished	278SSF	JP-*3 (5)	265	Eng	210				Furnished		
278STFJP-*3 (15)	240	Eng	247				Furnished	278STF	IP-*3 (15)	240	Eng	247				Furnished		
278XBFJP-*3 (6)	335	Eng	97				Furnished	278XBF	JP-*3 (6)	335	Eng	97				Furnished		
278XDFJP-*3 (7)	325	Eng	115				Furnished	278XDF	JP-*3 (7)	325	Eng	115				Furnished		
278XGFJP-*3 (8)	300	Eng	137				Furnished	278XGF	JP-*3 (8)	300	Eng	137				Furnished		
278XMFJP-*3 (9)	265	Eng	170				Furnished	278XMF	JP-*3 (9)	265	Eng	170				Furnished		
278XSFJP-*3 (5)	250	Eng	210				Furnished	278XSF	JP-*3 (5)	250	Eng	210				Furnished		
278XTFJP-*3 (16)	225	Eng	247				Furnished	278XTF	IP-*3 (16)	225	Eng	247				Furnished		

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when veiwed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(14) Input Gear Part No. 5-P-1428

(15) Input Gear Part No. 5-P-1410 (16) Input Gear Part No. 5-P-1409

January 2012

Parker Chelsea

4.2.35

ALL-14R

4000 w/Retarder

		LEF	T SI	DE (ONLY			TOP SIDE ONLY										
TRANSMISS	SION	GEA		TA:				TRANSMIS	SION	GEA	R DA	TA:						
L.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt O	pening	Gear I	ORW	ARD of	Centerline					
97 Teeth - L.H. I	HELIX							97 Teeth - L.H. HELIX										
PITCH I INF	то	APFR	TUR	F FAG	CF:			PITCH LINE TO APERTURE FACE:										
1.7799" (45.210	OMM)							1.7799" (45.210	DOMM)									
Caution: A	\ppl	icat	ion /	Арр	roval Re	quire	d for P	P.T.O. Output Shaft Speeds Above 2500 R.P.M.										
LEFT Side	Inter.	Dir.	Engine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter					
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Assy. Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit			
		0	NE	SPE	ED - T	NO GI	EAR - I	POWERSH	IFT	HY	DR/	UL	IC)					
859XGFJP-*5 (10)	575	Eng	108	<u> </u>			Furnished	859XGFJP-*5 (10)	575	Eng	108				Furnished			
859XJFJP-*5 (17)	525	Eng	123				Furnished	859XJFJP-*5 (17)	525	Eng	123				Furnished			
859XMFJP-*5 (11)	490	Eng	139				Furnished	859XMFJP-*5 (11)	490	Eng	139				Furnished			
859XWFJP-*5 (18)	285	Eng	239				Furnished	859XRFJP-*5 (12)	410	Eng	167				Furnished			
870XAFJP-*5 (14)	591	Eng	116				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished			
870XBFJP-*5 (14)	552	Eng	124				Furnished	859XWFJP-*5 (18)	285	Eng	239				Furnished			
870XCFJP-*5 (14)	515	Eng	133				Furnished	870XAFJP-*3 (14)	591	Eng	116				Furnished			
870XDFJP-*5 (14)	482	Eng	142				Furnished	870XBFJP-*3 (14)	552	Eng	124				Furnished			
870XEFJP-*5 (14)	425	Eng	161				Furnished	870XCFJP-*3 (14)	515	Eng	133				Furnished			
870XFFJP-*5 (14)	376	Eng	182				Furnished	870XDFJP-*3 (14)	482	Eng	142				Furnished			
								870XEFJP-*3 (14)	425	Eng	161				Furnished			
								870XFFJP-*3 (14)	376	Eng	182				Furnished			
		(ONE	SP	EED - P	OWE	RSHIF	T (HYD) EX	(TEI	NDE	DS	HAF	T					
890JAFJW-*3 (14)	591	Eng	116				Furnished	890KAFJW-*5 (14)	591	Eng	116				Furnished			
890JBFJW-*3 (14)	552	Eng	124				Furnished	890KBFJW-*5 (14)	552	Eng	124				Furnished			
890JCFJW-*3 (14)	515	Eng	133				Furnished	890KCFJW-*5 (14)	515	Eng	133				Furnished			
890JDFJW-*3 (14)	482	Eng	142				Furnished	890KDFJW-*5 (14)	482	Eng	142				Furnished			
890JEFJW-*3 (14)	425	Eng	161				Furnished	890KEFJW-*5 (14)	425	Eng	161				Furnished			
890JFFJW-*3 (14)	376	Eng	182				Furnished	890KFFJW-*5 (14)	376	Eng	182				Furnished			
			ON	E S	PEED -	CONS	TANT	MESH EX	TEN	DEC) SH		Γ					
897JAFJW-*3 (14)	591	Eng	116				Furnished	897KAFJW-*5 (14)	591	Eng	116		-		Furnished			
897JBFJW-*3 (14)	552	Eng	127				Furnished	897KBFJW-*5 (14)	552	Eng	124				Furnished			
897JCFJW-*3 (14)	515	Eng	133				Furnished	897KCFJW-*5 (14)	515	Eng	133				Furnished			
897JDFJW-*3 (14)	482	Eng	142				Furnished	897KDFJW-*5 (14)	482	Eng	142				Furnished			
897JEFJW-*3 (14)	425	Eng	161				Furnished	897KEFJW-*5 (14)	425	Eng	161				Furnished			
897JFFJW-*3 (14)	376	Eng	182				Furnished	897KFFJW-*5 (14)	376	Eng	182				Furnished			
<u>CAUTION</u> : Chelsea equivalent controller Transmission Contro Transmission. Pleas	Recom to inco ol Modu se see th	mends t rporate a le (TCM)	he Powe all the P.) to mair n Transr	er Take- T.O. cor ntain line	Off (P.T.O.) instant off features ave pressure to the website and ind	allation on th ailable, this e P.T.O. Failu vidual chase	ie 3000/4000 includes the "l ure to provide sis manufactu	Series Transmissions P.T.O. Request" and "f this signal may not be rer for installation deta	to utilize P.T.O. Er sufficier ails.	a Vehic able Ou nt to the	le Interfa Itput" fea P.T.O. T	ace Mod ature. Th 'his may	lule, or Chassis le "P.T.O. Enable cause damage	Manufacture e" circuit sign to the P.T.O	ers' nals the . and /or			

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when veiwed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

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NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 890 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(10) Input Gear Part No. 5-P-1160
(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392

(14) Input Gear Part No. 5-P-1428
(17) Input Gear Part No. 5-P-1394
(18) Input Gear Part No. 5-P-1309

January 2012

CHELSEA	0						ALLI	SON						AL	_L-15
1000	135	0 EVS		2100) EVS	2200 RE)S	2500 RDS							
1000 EVS	135	0 MH		2100) MH	2300 RE)S	B 210							
1000 MH	135	0 RDS		2100	RDS	2400		B 220							
1000 RDS	135	0 SP		2200) EVS	2500 EV	'S								
1350	200	0		2200) MH	2500 MH	4								
		LE	FT S	IDE (ONLY					RIGI	HT S	IDE (ONLY		
TRANSMIS				TRANSMIS	SION	GEA	R DA	TA:							
L.H. 06-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			R.H. 06-Bolt O	pening	Gear F	ORW	ARD of	Centerline		
64 Teeth - SPI				64 Teeth - SP											
PITCH LINE	CE:			PITCH LINE TO APERTURE FACE:											
Caution:	roval R	d for P	.T.O. Outp	ut Sł	naft	Spe	eds	Above	2500 F	R.P.M.					
LEFT Side	Inter	Dir	Eng	ine %		Adapter		RIGHT Side	Inter	Dir	Eng	ine %		Adapter	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
			C)NE	SPEED	- TW	O GEA	R - MECH	ANIC	AL	SHI	FT		<u> </u>	
442GBHVP-*5 (1)	215	Eng	96				Furnished	442GBHVP-*3 (1)	215	Eng	96				Furnished
442GBHVX-*5 (1)	150	Eng	96				Furnished	442GBHVX-*3 (1)	150	Eng	96				Furnished
442GFHVP-*5 (2)	165	Eng	151				Furnished	442GFHVP-*3 (2)	165	Eng	151				Furnished
		0	NE	SPE	<u>EED - T\</u>	NO G	EAR - I	POWERSH	IIFT	(HY	DR/	UL	(C)		
252GDHVP-*5 (3)	120	Eng	122				Furnished	252GDHVX-*5 (3)	120	Eng	122				Furnished
252GMHVP-*5 (4)	50	Eng	178				Furnished	252GMHVX-*5 (4)	50	Eng	178				Furnished
270GAHVP-*5 (5)	310	Eng	81				Furnished	270GAHVP-*3 (5)	310	Eng	81				Furnished
270GBHVP-*5 (6)	239	Eng	105				Furnished	270GBHVP-*3 (6)	239	Eng	105				Furnished
270GDHVP-*5 (7)	206	Eng	121				Furnished	270GDHVP-*3 (7)	206	Eng	121				Furnished
270GKHVP-*5 (8)	152	Eng	163				Furnished	270GKHVP-*3 (8)	152	Eng	163				Furnished
271GAHVP-*3 (5)	250	Eng	81				Furnished	271GAHVP-*5 (5)	250	Eng	81				Furnished
271GBHVP-*3 (6)	239	Eng	105				Furnished	271GBHVP-*5 (6)	239	Eng	105				Furnished
271GDHVP-*3 (7)	206	Eng	121				Furnished	271GDHVP-*5 (7)	206	Eng	121				Furnished
271GKHVP-*3 (8)	152	Eng	163				Furnished	271GKHVP-*5 (8)	152	Eng	163				Furnished

Continued Next Page

CAUTION: If installing a P.T.O. with the EOC, speed sensor 379917 must be used. Standard speed sensor, part number 379243, may cause incorrect speed readings to the EOC control box.

CAUTION: The P.T.O. torque ratings shown are based on the maximum allowable torque of 250lb/ft at the 64 tooth gear in the transmission with the P.T.O. on one opening only. With P.T.O.s mounted on both openings the maximum allowable torque at the 64 tooth gear in the transmission is 200 lb/ft. The 270/271/230/231 Series torque ratings will be as follows, 'A' ratio = 247 lb/ ft, 'B' ratio = 190 lb/ft, 'D' ratio = 165 lbs/ft. With the 442 Series on both sides, P.T.O. torque ratings will be as follows, 'B' P'' ratio = 208 lb/ft, 'F'' ratio = 135 lb/ft. For a more precise evaluation of your P.T.O. application refer to the Allison Body Builders Book, Section F, P.T.O. Systems Provisions.

CAUTION: Chelsea requires the P.T.O. installation on the 1000/2000 series transmission to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal will activate the Variable Modulated Main Pressure and line pressure may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission vebsite and individual chassis manufacturer for installation details.

NOTE: There is torque converter lock up feature available with the 1000/2000/2400 series transmissions. The torque converter lock up feature comes on and is controlled by the Transmission Control Module (TCM) when a signal is provided to the "P.T.O. Enable" circuit of the TCM by the P.T.O. switch. Lock up will only come on in the "NEUTRAL" and "PARK" positions at 1100 RPM transmission turbine speed. This equates to 1200-1250 RPM or higher engine speed, depending on P.T.O. load. The lock up clutch does not come on automatically in "DRIVE" at 1100 RPM. Refer to the appropriate owner's manual for wiring installation.

NOTE: Pre-2005; To connect the Chelsea P.T.O. switch to the "P.T.O. Enable" circuit of the TCM, a wiring kit must be ordered depending on the type of shifter being used. For Shifter without EOC order 329336-1X, for Shifter with EOC order 329336-2X and for Shifter with Pilot Valve order 329336-3X. These kits will include wire and installation instructions. ORDER SEPARATELY

NOTE: MY2003 and after GM "C/K" Series 4500, 5500, 6500, 7500 and 8500 Trucks - If using the GM provided in-dash switch, use wiring harness 379924 for the 270/271 and 230/231 Series P.T.O.s. Use wiring harness 329619X for the 252 Series P.T.O. if torque converter lock-up is required for the application. ORDER SEPARATELY

NOTE: For 270/271 Series order P.T.O. Hose Installation Kit 329365X to complete P.T.O shifter installation.

NOTE: The 626/630 & 645 geared adapters listed on this application page are for the 442*F Ratio Only. A 442ZFHV with 7-A-140 filler block and 7170-1X stud kit must be used when mounting the P.T.O. to one of the adapters.

NOTE: If the 442 Series is ordered with Pressure Lube, Hose 328075X is supplied with the P.T.O. A Restrictor Orifice, 379896 (442*FHVP) or 379594 (442*BHVP) is required and is shipped with the P.T.O.

NOTE: Output Shaft Rotation is "Engine" (Eng) Only for 442*B Ratio, DO NOT USE with Geared Adapter.

NOTE: A lube "T" fitting is required in the oil return cooling line to supply low pressure oil to the idler shaft of the 230, 231, 252(left side), 270, 271, or 442 Series P.T.O. The 378840 "T" fitting is for transmission model 1000/2000/2400 with the SAE #3 bell housing, 378970 "T" fitting is for the transmission model 1000/2000/2400 with the SAE #2 bell housing, or the low pressure return line may be cut with a tube cutter and then a compression "T" fitting may be installed. The high pressure port requires a 7/16-20 O-ring boss fitting.

Input Gear Part No. 5-P-1358
 Input Gear Part No. 5-P-1300
 Input Gear Part No. 5-P-1294
 Input Gear Part No. 5-P-1386
 Input Gear Part No. 5-P-1295

(6) Input Gear Part No. 5-P-1296
(7) Input Gear Part No. 5-P-1297
(8) Input Gear Part No. 5-P-1417

January 2012



ALL-15							ALLI	SON						CHE	SEA °			
1000	1350) EVS		2100	EVS	2200 RD)S	2500 RDS										
1000 EVS	1350	D MH		2100	MH	2300 RE)S	B 210										
1000 MH	1350	RDS		2100	RDS	2400		B 220										
1000 RDS	1350) SP		2200	EVS	2500 EV	'S											
1350	2000)		2200	MH	2500 MH	4											
		LE	FT S	IDE (ONLY					RIGH	HT S	IDE C	ONLY					
TRANSMIS	SION ening	GEA Gear F	R DA ORW/	ARD of	Centerline			TRANSMISSION GEAR DATA: R.H. 06-Bolt Opening Gear FORWARD of Centerline										
64 Teeth - SPL	JR							64 Teeth - SF	PUR									
PITCH LINE 1.0080" (25.600	E TO A	APER	TUR	E FAG	CE:			PITCH LIN 1.0080" (25.60	IE TO / 032MM)	APER	TUR	E FAC	CE:					
Caution:	Appl	icat	ion	Арр	roval Re	quire	d for P	.T.O. Outp	out Sh	naft	Spe	eds	Above 2	2500 F	R.P.M.			
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter		RIGHT Side	Inter.	Dir.	Eng	ine %		Adapter	r			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit			
			(ONE	SPEED) - TW	O GEA	R - POWI	ERSH	IIFT	(Al	R)	•					
230GAHVP-*5 (5)	310	Eng	81				Furnished	230GAHVP-*3 (5)	310	Eng	81				Furnished			
230GBHVP-*5 (6)	239	Eng	105				Furnished	230GBHVP-*3 (6)	239	Eng	105				Furnished			
230GDHVP-*5 (7)	206	Eng	121				Furnished	230GDHVP-*3 (7)	206	Eng	121				Furnished			
231GAHVP-*3 (5)	250	Eng	81				Furnished	231GAHVP-*5 (5)	250	Eng	81				Furnished			
231GBHVP-*3 (6)	239	Eng	105				Furnished	231GBHVP-*5 (6)	239	Eng	105				Furnished			
231GDHVP-*3 (7)	206	Eng	121				Furnished	231GDHVP-*5 (7)	206	Eng	121				Furnished			
						GEA	RED A	DAPTER	S									
626GHVX-4HV (2)	250	qqQ			7-A-140(P)(9)		Furnished	626GHVX-3HV (2)) 250	Qpp			7-A-140(P)(9)		Furnished			

CAUTION: If installing a P.T.O. with the EOC, speed sensor 379917 must be used. Standard speed sensor, part number 379243, may cause incorrect speed readings to the EOC control box.

Furnished 630GHVX-3HV (2) 250 Opp

Furnished 645GHVX-3HV (2) 250 Opp

CAUTION: The P.T.O. torque ratings shown are based on the maximum allowable torque of 250lb/ft at the 64 tooth gear in the transmission with the P.T.O. on one opening only. With P.T.O.s. mounted on both openings the maximum allowable torque at the 64 tooth gear in the transmission is 200 lb/ft. The 270/271/230/231 Series torque ratings will be as follows, "A" ratio = 247 lb/ ft., "B" ratio = 190 lb/ft., "D" ratio = 165 lbs/ft. With the 442 Series on both sides, P.T.O. torque ratings will be as follows, "B*P" ratio = 208 lb/ft., "F" ratio = 135 lb/ft. For a more precise evaluation of your P.T.O. application refer to the Allison Body Builders Book, Section F, P.T.O. Systems Provisions.

CAUTION: Chelsea requires the P.T.O. installation on the 1000/2000 series transmission to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal will activate the Variable Modulated Main Pressure and line pressure may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: There is torque converter lock up feature available with the 1000/2000/2400 series transmissions. The torque converter lock up feature comes on and is controlled by the Transmis sion Control Module (TCM) when a signal is provided to the "P.T.O. Enable" circuit of the TCM by the P.T.O. switch. Lock up will only come on in the "NEUTRAL" and "PARK" positions at 1100 RPM transmission turbine speed. This equates to 1200-1250 RPM or higher engine speed, depending on P.T.O. load. The lock up clutch does not come on automatically in "DRIVE" at 1100 RPM. Refer to the appropriate owner's manual for wiring installation.

NOTE: Pre-2005; To connect the Chelsea P.T.O. switch to the "P.T.O. Enable" circuit of the TCM, a wiring kit must be ordered depending on the type of shifter being used. For Shifter without EOC order 329336-1X, for Shifter with EOC order 329336-2X and for Shifter with Pilot Valve order 329336-3X. These kits will include wire and installation instructions. ORDER SEPARATELY

NOTE: MY2003 and after GM "C/K" Series 4500, 5500, 6500, 7500 and 8500 Trucks - If using the GM provided in-dash switch, use wiring harness 379924 for the 270/271 and 230/231 Series P.T.O.s. Use wiring harness 329619X for the 252 Series P.T.O. if torque converter lock-up is required for the application. ORDER SEPARATELY

NOTE: For 270/271 Series order P.T.O. Hose Installation Kit 329365X to complete P.T.O. shifter installation.

7-A-140(P)(9)

7-A-140(P)(9)

NOTE: The 626/630 & 645 geared adapters listed on this application page are for the 442*F Ratio Only. A 442ZFHV with 7-A-140 filler block and 7170-1X stud kit must be used when mounting the P.T.O. to one of the adapters

NOTE: If the 442 Series is ordered with Pressure Lube, Hose 328075X is supplied with the P.T.O. A Restrictor Orifice, 379896 (442*FHVP) or 379594 (442*BHVP) is required and is shipped vith the P.T.O

NOTE: Output Shaft Rotation is "Engine" (Eng) Only for 442*B Ratio, DO NOT USE with Geared Adapter.

NOTE: A lube "T" fitting is required in the oil return cooling line to supply low pressure oil to the idler shaft of the 230, 231, 252(left side), 270, 271, or 442 Series P.T.O. The 378840 "T" fitting is for transmission model 1000 with the SAE #3 bell housing, 378970 "1" fitting is for the transmission model 1000/2000/2400 with the SAE #2 bell housing, or the low pressure return line may be cut with a tube cutter and then a compression "T" fitting may be installed. The high pressure port requires a 7/16-20 O-ring boss fitting.

(2) Input Gear Part No. 5-P-1300 (5) Input Gear Part No. 5-P-1295 (6) Input Gear Part No. 5-P-1296 (7) Input Gear Part No. 5-P-1297 (9) Filler block furnished with P.T.O.

630GHVX-4HV (2) 250 Opp

645GHVX-4HV (2) 250 Opp

Darker Chelsea

January 2012

7-A-140(P)(9)

7-A-140(P)(9)

Furnished

Furnished

CHEI SEA

CHELSEA

ALLISON

3000	3200 ORS	3500 SP
3000 ORS	3200 SP	MD-3066F
3000 RDS	3500	
3000 SP	3500 ORS	
3200	3500 RDS	

TRANSMISSION GEAR DATA: L.H. 10-Bolt Opening Gear FORWARD of Centerline 83 Teeth - L.H. HELLX TOP 10-Bolt Opening Gear FORWARD of Centerline STORM Colspan="2">TOP 10-Bolt Opening Gear FORWARD of Centerline STORM Colspan="2">TOP 10-Bolt Opening Gear FORWARD of Centerline TOP Stole Provide Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. Castor Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. LEFT Side P.T.O. Model Inter Block Adapter P.T.O. Model Inter Block Adapter P.T.O. Model Inter Block Adapter P.T.O. Model Inter Block Provide Adapter P.T.O. Model Inter Block Adapter P.T.O. Model Inter Block Provide Adapter P.T.O. Model ONE SPEED - TWO GEAR - CONSTANT MESH CONSTANT MESH Inter Block Provide Adapter P.T.O. Model Inter Block Provide Adapter			LEF	T S	IDE (ONLY			TOP SIDE ONLY											
L.H. 10-Bolt Opening Gear FORWARD of Centerline B3 Tech - L.H. HELX B3 Tech - L.H. HELX B1 Tech - L.H. HELX B3 Tech - L.H. HELX B3 Tech - L.H. HELX Dirth - L.M. HELX B1 Tech - L.H. HELX B1 Tech - L.H. HELX Dirth - L.M. Nov (45.2100MM) Convolt (45.2100MM) B1 Tech - L.H. HELX Caution: Approval Required for P.T.O. Output States Sabove 2500 R.P.M. LEFT Side P.T.O. Model Inter, Dr., Met, Engine %, Hiller Block Adapter Assy. Stud Ki TOP Side P.T.O. Model Inter, Dr., Engine %, Hiller Block Filler Block Adapter Assy. Stud Ki TOP Side P.T.O. Model Prof. Ret. Filler Block Adapter Assy. Stud Ki TOP Side P.T.O. Model Prof. Ret. Filler Block Adapter Assy. Stud Ki Prof. B1 (4000000000000000000000000000000000000	TRANSMIS	SION	GEA	r da	TA:				TRANSMISSION GEAR DATA:											
83 Teeth - L.H. HELIX PITCH LINE TO APERTURE FACE: PITCH LINE TO APERTURE FACE: 1.7800° (45.2100MM) Tore, interce inter	L.H. 10-Bolt Op	pening	Gear F	ORW	ARD of	Centerline			TOP 10-Bolt O	pening	Gear F	ORW	ARD of	Centerline						
PITCH LINE TO APERTURE FACE: 1.7800' (45.2100MJ) DICALION: Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. LEFT Side P.T.O. Model Inter. Dr. PTCH LINE TO APERTURE FACE: 1.7800' (45.2100MJ) Catation: Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. LEFT Side P.T.O. Model Inter. Dr. PTCH LINE TO APERTURE FACE: 1.7800' (45.2100MJ) Dir. Catation: Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. LEFT Side P.T.O. Model Dr. Dr. Dr. Dr. Dr. DIR SPEED - TWO GEAR - CONSTANT MESH Erunished 2750FJP-76 (2) 300 Eng 106 Funished 2750FJP-73 (2) 300 Eng 106 Funished 2750FJP-73 (2) 300 Eng 126 Funished 2750FJP-73 (3) 300 Eng 126 Funished 2750FJP-73 (3) 300 Eng 126 Funished 2750FJP-73 (6) 247 Eng 196 Funished 2750FJP-73 (6) 247 Eng 196 <th< td=""><td>83 Teeth - L.H.</td><td>HELIX</td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="10">83 Teeth - L.H. HELIX</td></th<>	83 Teeth - L.H.	HELIX							83 Teeth - L.H. HELIX											
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M. LEFT Side P.T.O. Model Inter. Torq Dr. Rot Engine % H Filler Block Adaptr Assy. Stud Kit TOP Side P.T.O. Model Inter. Torq Engine % H Filler Block Adaptr Assy. Stud Kit TOP Side P.T.O. Model Inter. Torq Engine % H Filler Block Adaptr Assy. Stud Kit CONE SPEED - TWO GEAR - CONENT MUT MESH CONE SPEED - TWO GEAR - CONENT MUT MESH 2673BFJP-5 (1) 402 Eng 88 Furnished 2673BFJP-73 (2) 300 Eng 106 Furnished 2673SFJP-73 (3) 300 Eng 126 Furnished 2673SFJP-73 (3) 300 Eng 126 Furnished 2673SFJP-73 (6) 335 Eng 88 Furnished 267XGFJP-73 (7) 325 Eng 160 Furnished 267XGFJP-73 (6) 335 Eng 186 Furnished 267XGFJP-73 (6) 335 Eng 160 Furnished 267XGFJP-73 (6) 225 Eng 157 Furnished 267X	1.7800" (45.210	1.7800" (45.2100MM)									1.7800" (45.2100MM)									
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867XTFJP-*5 (14)284Eng171Furnished867XTFJP-*5 (14)284Eng171Furnished877XAFJP-*5 (15)485Eng100Furnished877XAFJP-*3 (15)485Eng100Furnished877XAFJP-*5 (15)458Eng106Furnished877XAFJP-*3 (15)485Eng106Furnished877XAFJP-*5 (15)425Eng114Furnished877XCFJP-*3 (15)425Eng114Furnished877XAFJP-*5 (15)401Eng121Furnished877XCFJP-*3 (15)401Eng121Furnished877XAFJP-*5 (15)351Eng138Furnished877XFJP-*3 (15)351Eng138Furnished877XAFJP-*5 (15)311Eng156Furnished877XFJP-*3 (15)311Eng156Furnished877XAFJP-*5 (15)274Eng177Furnished877XFJP-*3 (15)274Eng177Furnished877XAFJP-*5 (15)288Eng188Furnished877XFJP-*3 (15)258Eng188Furnished877XJFJP-*5 (15)242Eng200Furnished877XJFJP-*3 (15)258Eng188Furnished	867XSFJP-*5 (13)	311	Eng	156				Furnished	867XSFJP-*5 (13)	311	Eng	156				Furnished				
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877XJFJP-*5 (15) 242 Eng 200 Furnished 877XJFJP-*3 (15) 258 Eng 188 Furnished	877XHFJP-*5 (15)	258	Eng	188				Furnished	877XHFJP-*3 (15)	258	Eng	188				Furnished				
	877XJFJP-*5 (15)	242	Eng	200				Furnished	877XJFJP-*3 (15)	258	Eng	188				Furnished				

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CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 485 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Allison Model MD-3066 has two 10 bolt aperature openings located at 9 o'clock on the left side and 2 o'clock on the right side (Top Right). Every P.T.O. mounted on this transmission must have the pressure lube option ("P").

NOTE: All models require a Hose Assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

Input Gear Part No. 5-P-1350	
Input Gear Part No. 5-P-1293	
Input Gear Part No. 5-P-1225	
Input Gear Part No. 5-P-1351	
Input Gear Part No. 5-P-1173	

(1) (2) (3) (4) (5)

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

January	2012
	(15) Input Gear Part No. 5-P-1428
	(14) Input Gear Part No. 5-P-1212
	(13) Input Gear Part No. 5-P-1392
	(12) Input Gear Part No. 5-P-1162
	(11) Input Gear Part No. 5-P-1161

Parker Chelsea

ALL-16

3000	3200 ORS	3500 SP
3000 ORS	3200 SP	MD-3066P
3000 RDS	3500	
3000 SP	3500 ORS	
3200	3500 RDS	

		LEF	T S	DE C	DNLY			TOP SIDE ONLY								
TRANSMISS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEA	R DA	TA:				
L.H. 10-Bolt Op	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline								
83 Teeth - L H								83 Teeth - L H	HELIX							
			тпр		·c.											
1.7800" (45.210	: 10 A		IUK					1.7800" (45.2100MM)								
	· ,			A	nervel D		al fan D	T.O. Outro	.4 01	- 64	0		Alexie	0500 5		
Caution: A	чры	Icat	ion .	Арр	roval Re	equire	a tor P	. 1.0. Outpl	it Sr	an	Spe	eas	ADOVe /	2500 F	K.P.IVI.	
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	
				SDE						 /UV						
	400	<u> </u>		3PE		VU GI		-OWERSH				10L	IC)			
277SDF IP-*5 (1)	402 390	Eng	88 106				Furnished	277SDF IP-*5 (1)	402 300	Eng	88 106				Furnished	
2778GE/IP-*5 (3)	360	Eng	126				Furnished	2778GE.IP-*5 (3)	360	Eng	126				Furnished	
277SME.IP-*5 (4)	309	Eng	157				Furnished	277SMF.IP-*5 (4)	309	Eng	157				Furnished	
277SSEJP-*5 (5)	247	Eng	196				Furnished	277SSEJP-*5 (5)	247	Eng	196				Furnished	
277XBF.IP-*5 (6)	335	Eng	88				Furnished	277XBEJP-*5 (6)	335	Eng	88				Furnished	
277XDFJP-*5 (7)	325	Ena	106				Furnished	277XDFJP-*5 (7)	325	Ena	106				Furnished	
277XGFJP-*5 (8)	300	Ena	126				Furnished	277XGFJP-*5 (8)	300	Ena	126				Furnished	
277XMFJP-*5 (9)	265	Ena	157				Furnished	277XMFJP-*5 (9)	265	Ena	157				Furnished	
277XSFJP-*5 (5)	247	Eng	196				Furnished	277XSFJP-*5 (5)	247	Eng	196				Furnished	
278SBFJP-*3 (1)	402	Eng	83				Furnished	278SBFJP-*3 (1)	402	Eng	83				Furnished	
278SDFJP-*3 (2)	390	Eng	99				Furnished	278SDFJP-*3 (2)	390	Eng	99				Furnished	
278SGFJP-*3 (3)	360	Eng	117				Furnished	278SGFJP-*3 (3)	360	Eng	117				Furnished	
278SMFJP-*3 (4)	318	Eng	145				Furnished	278SMFJP-*3 (4)	318	Eng	145				Furnished	
278SSFJP-*3 (5)	265	Eng	180				Furnished	278SSFJP-*3 (5)	265	Eng	180				Furnished	
278STFJP-*3 (16)	230	Eng	211				Furnished	278STFJP-*3 (16)	230	Eng	211				Furnished	
278XBFJP-*3 (6)	335	Eng	83				Furnished	278XBFJP-*3 (6)	335	Eng	83				Furnished	
278XDFJP-*3 (7)	325	Eng	99				Furnished	278XDFJP-*3 (7)	325	Eng	99				Furnished	
278XGFJP-*3 (8)	300	Eng	117				Furnished	278XGFJP-*3 (8)	300	Eng	117				Furnished	
278XTFJP-*3 (17)	225	Eng	211				Furnished	278XTFJP-*3 (17)	225	Eng	211				Furnished	
859XGFJP-*5 (10)	522	Eng	93				Furnished	859XGFJP-*5 (10)	522	Eng	93				Furnished	
859XJFJP-*5 (18)	462	Eng	105				Furnished	859XJFJP-*5 (18)	462	Eng	105				Furnished	
859XMFJP-*5 (11)	408	Eng	119				Furnished	859XMFJP-*5 (11)	408	Eng	119				Furnished	
859XRFJP-*5 (12)	339	Eng	143				Furnished	859XRFJP-*5 (12)	339	Eng	143				Furnished	
859XSFJP-*5 (13)	311	Eng	156				Furnished	859XSFJP-*5 (13)	311	Eng	156				Furnished	
859XTFJP-*5 (14)	284	Eng	171				Furnished	859XTFJP-*5 (14)	284	Eng	171				Furnished	

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CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 485 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Allison Model MD-3066 has two 10 bolt aperature openings located at 9 o'clock on the left side and 2 o'clock on the right side (Top Right). Every P.T.O. mounted on this transmission must have the pressure lube option ("P").

NOTE: All models require a Hose Assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

Darker Chelsea

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1212
(16) Input Gear Part No. 5-P-1410

(17) Input Gear Part No. 5-P-1409 (18) Input Gear Part No. 5-P-1394

5 (10) iii

January 2012

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CHELSEA®

ALLISON

3000	3200 ORS	3500 SP
3000 ORS	3200 SP	MD-3066P
3000 RDS	3500	
3000 SP	3500 ORS	
3200	3500 RDS	

		LEF	FT S	IDE (ONLY			TOP SIDE ONLY									
TRANSMISS	SION	GEA	r da	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Ope	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
83 Teeth - L.H. H	HELIX							83 Teeth - L.H. HELIX									
PITCH LINE	то А	\PER	TUR	E FAG	CE:			PITCH LINE TO APERTURE FACE:									
1.7800" (45.210	OMM)							1.7800" (45.2100MM)									
Caution: A	\ppl	icat	ion	Арр	roval Re	equire	d for P	.T.O. Outp	ut Sl	naft	Spe	eds	Above	2500 F	R.P.M.		
LEFT Side	Inter.	Dir.	Eng	jine %		Adapter		TOP Side	Inter.	Dir.	Eng	jine %		Adapter			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
		0	NE	SPE	ED - T	NO GI	EAR - F	POWERSH	IFT	HY							
859XWFJP-*5 (19)	233	Eng	208				Furnished	859XWFJP-*5 (19)	233	Eng	208		- 1		Furnished		
870XAFJP-*5 (15)	485	Eng	100				Furnished	870XAFJP-*3 (15)	485	Eng	100				Furnished		
870XBFJP-*5 (15)	458	Eng	106				Furnished	870XBFJP-*3 (15)	458	Eng	106				Furnished		
870XCFJP-*5 (15)	425	Eng	114				Furnished	870XCFJP-*3 (15)	425	Eng	114				Furnished		
870XDFJP-*5 (15)	401	Eng	121				Furnished	870XDFJP-*3 (15)	401	Eng	121				Furnished		
870XEFJP-*5 (15)	351	Eng	138				Furnished	870XEFJP-*3 (15)	351	Eng	138				Furnished		
870XFFJP-*5 (15)	311	Eng	156				Furnished	870XFFJP-*3 (15)	311	Eng	156				Furnished		
870XGFJP-*5 (15)	274	Eng	177				Furnished	870XGFJP-*3 (15)	274	Eng	177				Furnished		
870XHFJP-*5 (15)	258	Eng	188				Furnished	870XHFJP-*3 (15)	258	Eng	188				Furnished		
870XJFJP-*5 (15)	242	Eng	200				Furnished	870XJFJP-*3 (15)	242	Eng	200				Furnished		
		(ONE	E SP	EED - P	OWE	RSHIF	T (HYD) EX	KTE	NDE	DS	HAF	T				
890EAFJW-*5 (15)	485	Eng	100				Furnished	890TAFJW-*5 (15)	485	Eng	100				Furnished		
890EBFJW-*5 (15)	458	Eng	106				Furnished	890TBFJW-*5 (15)	458	Eng	106				Furnished		
890ECFJW-*5 (15)	425	Eng	114				Furnished	890TCFJW-*5 (15)	425	Eng	114				Furnished		
890EDFJW-*5 (15)	401	Eng	121				Furnished	890TDFJW-*5 (15)	401	Eng	121				Furnished		
890EEFJW-*5 (15)	351	Eng	138				Furnished	890TEFJW-*5 (15)	351	Eng	138				Furnished		
890EFFJW-*5 (15)	311	Eng	156				Furnished	890TFFJW-*5 (15)	311	Eng	156				Furnished		
890EGFJW-*5 (15)	274	Eng	177				Furnished	890TGFJW-*5 (15)	274	Eng	177				Furnished		
890EHFJW-*5 (15)	258	Eng	188				Furnished	890THFJW-*5 (15)	258	Eng	188				Furnished		
			ON	IE S	PEED -	CONS	TANT	MESH EX	TEN	DEC) SH	IAF1	Г				
897EAFJW-*5 (15)	485	Eng	100				Furnished	897TAFJW-*5 (15)	485	Eng	100				Furnished		
897EBFJW-*5 (15)	458	Eng	106				Furnished	897TBFJW-*5 (15)	458	Eng	106				Furnished		
897ECFJW-*5 (15)	425	Eng	114				Furnished	897TCFJW-*5 (15)	425	Eng	114				Furnished		
897EDFJW-*5 (15)	401	Eng	121				Furnished	897TDFJW-*5 (15)	401	Eng	121				Furnished		
897EEFJW-*5 (15)	351	Eng	138				Furnished	897TEFJW-*5 (15)	351	Eng	138				Furnished		
897EFFJW-*5 (15)	311	Eng -	156				Furnished	8971FFJW-*5 (15)	311	Eng	156				Furnished		
897EGFJW-*5 (20)	274	Eng	177				Furnished	897TGFJW-*5 (20)	274	Eng	177				Furnished		
897EHFJW-*5 (15)	258	Eng	188				Furnished	897 I H⊢JW-*5 (15)	258	Eng	188				⊢urnished		

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(15) Input Gear Part No. 5-P-1428
(19) Input Gear Part No. 5-P-1309
(20) Input Gear Part No. 5-P-1309

January 2012



		LEF	T SI	DE C	DNLY			TOP SIDE ONLY								
TRANSMISS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEA		TA:				
L.H. 10-Bolt Op	ening	Gear F	ORWA	RD of (Centerline			TOP 10-Bolt Op	pening	Gear F	ORWA	ARD of	Centerline			
83 Teeth - L.H.	HELIX							83 Teeth - L.H. HELIX								
			тпрі		· E ·			PITCH LINE TO APERTURE FACE								
1.7800" (45.210	OMM)		1010					1.7800" (45.2100MM)								
Caution: 4	h	icati	ion	۵nn	roval Re	auire	d for P		it Sh	aft !	Sne	eds	Above 2	2500 F	2 P M	
ouddon /			ino: outpe			T	040									
LEFT Side	Inter.	Dir.	Engi	ine %	Filler Block	Adapter	Stud Kit	TOP Side	Inter.	Dir.	Engi	ine %	Filler Block	Adapter	Stud Kit	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	ні	Rev	Filler Block	Assy.	Stud Kit	
				ONF	SPEE	ד - דע		AR - CONS	ΤΔΝ	л т	IFS	Η			I	
267SBFJP-*5 (1)	402	Eng	88				Furnished	267SBFJP-*3 (1)	402	Eng	88				Furnished	
267SDFJP-*5 (2)	390	Eng	106				Furnished	267SDFJP-*3 (2)	390	Eng	106				Furnished	
267SGFJP-*5 (3)	360	Eng	126				Furnished	267SGFJP-*3 (3)	360	Eng	126				Furnished	
267SMFJP-*5 (4)	309	Eng	157				Furnished	267SMFJP-*3 (4)	309	Eng	157				Furnished	
267SSFJP-*5 (5)	247	Eng	196				Furnished	267SSFJP-*3 (5)	247	Eng	196				Furnished	
267XBFJP-*5 (6)	335	Eng	88				Furnished	267XBFJP-*3 (6)	335	Eng	88				Furnished	
267XDFJP-*5 (7)	325	Eng	106				Furnished	267XDFJP-*3 (7)	325	Eng	106				Furnished	
267XGFJP-*5 (8)	300	Eng	126				Furnished	267XGFJP-*3 (8)	300	Eng	126				Furnished	
267XMFJP-*5 (9)	265	Eng	157				Furnished	267XMFJP-*3 (9)	265	Eng	157				Furnished	
267XSFJP-*5 (5)	247	Eng	196				Furnished	267XSFJP-*3 (5)	247	Eng	196				Furnished	
269SGFJW-*3 (3)	360	Eng	117				Furnished	269SGFJW-*3 (3)	360	Eng	117				Furnished	
269XGFJW-*3 (8)	300	Eng	117				Furnished	269XGFJW-*3 (8)	300	Eng	117				Furnished	
867XGFJP-*5 (10)	522	Eng	93				Furnished	867XGFJP-*5 (10)	522	Eng	93				Furnished	
867XMFJP-*5 (11)	408	Eng	119				Furnished	867XMFJP-*5 (11)	408	Eng	119				Furnished	
867XRFJP-*5 (12)	339	Eng	143				Furnished	867XRFJP-*5 (12)	339	Eng	143				Furnished	
867XSFJP-*5 (13)	311	Eng	156				Furnished	867XSFJP-*5 (13)	311	Eng	156				Furnished	
867XTFJP-*5 (14)	284	Eng	171				Furnished	867XTFJP-*5 (14)	284	Eng	171				Furnished	
877XAFJP-*5 (15)	485	Eng	100				Furnished	877XAFJP-*3 (15)	485	Eng	100				Furnished	
877XBFJP-*5 (15)	458	Eng	106				Furnished	877XBFJP-*3 (15)	458	Eng	106				Furnished	
877XCFJP-*5 (15)	425	Eng	114				Furnished	877XCFJP-*3 (15)	425	Eng	114				Furnished	
877XDFJP-*5 (15)	401	Eng	121				Furnished	877XDFJP-*3 (15)	401	Eng	121				Furnished	
877XEFJP-*5 (15)	351	Eng	138				Furnished	877XEFJP-*3 (15)	351	Eng	138				Furnished	
877XFFJP-*5 (15)	311	Eng	156				Furnished	877XFFJP-*3 (15)	311	Eng	156				Furnished	
877XGFJP-*5 (15)	274	Eng	177				Furnished	877XGFJP-*3 (15)	274	Eng	177				Furnished	
877XHFJP-*5 (16)	258	Eng	188				Furnished	877XHFJP-*3 (16)	258	Eng	188				Furnished	
877XJFJP-*5 (15)	242	Eng	200				Furnished	877XJFJP-*3 (15)	242	Eng	200				Furnished	

Continued Next Page

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NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: 890 and 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350 (2) Input Gear Part No. 5-P-1293 (3) Input Gear Part No. 5-P-1225 (4) Input Gear Part No. 5-P-1351 (5) Input Gear Part No. 5-P-1173

Mison

(6) Input Gear Part No. 5-P-912 (7) Input Gear Part No. 5-P-913 (8) Input Gear Part No. 5-P-914 (9) Input Gear Part No. 5-P-915 (10) Input Gear Part No. 5-P-1160 (11) Input Gear Part No. 5-P-1161 (12) Input Gear Part No. 5-P-1162 (13) Input Gear Part No. 5-P-1392 (14) Input Gear Part No. 5-P-1212 (15) Input Gear Part No. 5-P-1428

(16) Input Gear Part No. 5-P-1458

January 2012

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		LEF	T SI	IDE C	DNLY					TOP	P SID	DE O	NLY				
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Op	enina	Gear F	ORWA	ARD of (Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
83 Teeth - I H								83 Teeth - L H HELIX									
			חווד		۲ .						זסווד		۲ .				
1 7800" (45 210		APER	IUR	EFAU)E:					APER	IURE)E:				
1.7000 (40.210								1.7000 (43.2									
Caution: A	\ppl	icati	ion /	App	roval Re	equire	d for P	.T.O. Outp	out Sh	naft \$	Spe	eds	Above 2	2500 F	R.P.M.		
LEFT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit	TOP Side	Inter.	Dir.	Engi	ne %	Filler Block	Adapter	Stud Kit		
P.T.O. Model	Torq.	Rot.	Hi	Rev	T Mer Block	Assy.	oluu tiit	P.T.O. Mode	I Torq.	Rot.	Hi	Rev	Thier Brook	Assy.	otuu nit		
		0	NE	SPE	ED - TV	NO GI	EAR - I	POWERS	HIFT	(HYI	DRA	ULI	C)				
277SBFJP-*5 (1)	402	Eng	88				Furnished	277SBFJP-*5 (1)	402	Eng	88		-		Furnished		
277SDFJP-*5 (2)	390	Eng	106				Furnished	277SDFJP-*5 (2)	390	Eng	106				Furnished		
277SGFJP-*5 (3)	360	Eng	126				Furnished	277SGFJP-*5 (3)	360	Eng	126				Furnished		
277SMFJP-*5 (4)	309	Eng	157				Furnished	277SMFJP-*5 (4)	309	Eng	157				Furnished		
277SSFJP-*5 (5)	247	Eng	196				Furnished	277SSFJP-*5 (5)	247	Eng	196				Furnished		
277XBFJP-*5 (6)	335	Eng	88				Furnished	277XBFJP-*5 (6)	335	Eng	88				Furnished		
277XDFJP-*5 (7)	325	Eng	106				Furnished	277XDFJP-*5 (7)	325	Eng	106				Furnished		
277XGFJP-*5 (8)	300	Eng	126				Furnished	277XGFJP-*5 (8)	300	Eng	126				Furnished		
277XMFJP-*5 (9)	265	Eng	157				Furnished	277XMFJP-*5 (9)	265	Eng	157				Furnished		
277XSFJP-*5 (5)	247	Eng	196				Furnished	277XSFJP-*5 (5)	247	Eng	196				Furnished		
278SBFJP-*3 (1)	402	Eng	83				Furnished	278SBFJP-*3 (1)	402	Eng	83				Furnished		
278SDFJP-*3 (2)	390	Eng	99				Furnished	278SDFJP-*3 (2)	390	Eng	99				Furnished		
278SGFJP-*3 (3)	360	Eng	117				Furnished	278SGFJP-*3 (3)	360	Eng	117				Furnished		
278SMFJP-*3 (4)	318	Eng	145				Furnished	278SMFJP-*3 (4)	318	Eng	145				Furnished		
278SSFJP-*3 (5)	265	Eng	180				Furnished	278SSFJP-*3 (5)	265	Eng	180				Furnished		
278STFJP-*3 (17)	230	Eng	211				Furnished	278STFJP-*3 (17)) 230	Eng	211				Furnished		
278XBFJP-*3 (6)	335	Eng	83				Furnished	278XBFJP-*3 (6)	335	Eng	83				Furnished		
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278XGFJP-*3 (8)	300	Eng	117				Furnished	278XGFJP-*3 (8)	300	Eng	117				Furnished		
278XTFJP-*3 (18)	225	Eng	211				Furnished	278XTFJP-*3 (18)) 225	Eng	211				Furnished		
859XGFJP-*5 (10)	522	Eng	93				Furnished	859XGFJP-*5 (10) 522	Eng	93				Furnished		
859XJFJP-*5 (19)	462	Eng	105				Furnished	859XJFJP-*5 (19)	462	Eng	105				Furnished		
859XMFJP-*5 (11)	408	Eng	119				Furnished	859XMFJP-*5 (11) 408	Eng	119				Furnished		
859XRFJP-*5 (12)	339	Eng	143				Furnished	859XRFJP-*5 (12) 339	Eng	143				Furnished		
859XSFJP-*5 (13)	311	Eng	156				Furnished	859XSFJP-*5 (13)) 311	Eng	156				Furnished		
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Continued Next Page

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(1) Input Gear Part No. 5-P-1350	(
(2) Input Gear Part No. 5-P-1293	(
(3) Input Gear Part No. 5-P-1225	(
(4) Input Gear Part No. 5-P-1351	(
(5) Input Gear Part No. 5-P-1173	(

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161 (12) Input Gear Part No. 5-P-1162 (13) Input Gear Part No. 5-P-1392 (14) Input Gear Part No. 5-P-1212 (17) Input Gear Part No. 5-P-1410 **January 2012** (18) Input Gear Part No. 5-P-1409 (19) Input Gear Part No. 5-P-1394



		LEF	T S	DE C	DNLY			TOP SIDE ONLY									
TRANSMISS L.H. 10-Bolt Op 83 Teeth - L.H. PITCH LINE 1.7800" (45.210	BION ening HELIX TO A 0MM)	GEAI Gear FO	R DA ORWA TUR	TA: ARD of (E FAC	Centerline			TRANSMISSION GEAR DATA: TOP 10-Bolt Opening Gear FORWARD of Centerline 83 Teeth - L.H. HELIX PITCH LINE TO APERTURE FACE: 1.7800" (45.2100MM)									
Caution: A	roval R	equire	d for P	T.O. Outpu	ıt Sł	naft	Spe	eds	Above	2500 F	R.P.M.						
LEFT Side	Inter	Dir	Eng	ine %		Adapter		TOP Side	Inter	Dir	Eng	ine %		Adapter			
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
		0	NF	SPF	ED - T		EAR - I	POWERSH	IFT	HY		ULI	C)		1		
859XWFJP-*5 (20) 870XAFJP-*5 (15) 870XBFJP-*5 (15) 870XCFJP-*5 (15) 870XCFJP-*5 (15) 870XEFJP-*5 (15) 870XFFJP-*5 (15) 870XGFJP-*5 (15) 870XJFJP-*5 (15)	233 485 458 425 401 351 311 274 258 242	Eng Eng Eng Eng Eng Eng Eng Eng	208 100 106 114 121 138 156 177 188 200	E SP	<u>EED - I</u>	POWE	Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished	859XWFJP-*5 (20) 870XAFJP-*3 (15) 870XAFJP-*3 (15) 870XCFJP-*3 (15) 870XCFJP-*3 (15) 870XCFJP-*3 (15) 870XFFJP-*3 (15) 870XGFJP-*3 (15) 870XJFJP-*3 (15) 870XJFJP-*3 (15) 870XJFJP-*3 (15) 890TAFJW-*5 (15) 890TCFJW-*5 (15) 890TEFJW-*5 (15)	233 485 458 425 401 351 311 274 258 242 (TEI) 485 458 425 401 351 311	Eng Eng Eng Eng Eng Eng Eng Eng Eng Eng	208 100 106 114 121 138 156 177 188 200 D S 100 106 114 121 138 156	HAF	T		Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished Furnished		
								890TGFJW-*5 (15)	274	Eng	177				Furnished		
								890THFJW-*5 (15)	258	Eng	188				Furnished		
			ON	E S	PEED -	CONS	STANT	MESH EXT	ΓEN	DEC) SH	AF1					
								897TAFJW-*5 (15) 897TBFJW-*5 (15) 897TCFJW-*5 (15) 897TDFJW-*5 (15) 897TEFJW-*5 (15) 897TFFJW-*5 (15) 897THFJW-*5 (15)	485 458 425 401 351 311 274 258	Eng Eng Eng Eng Eng Eng Eng	100 106 114 121 138 156 177 188				Furnished Furnished Furnished Furnished Furnished Furnished Furnished		

Controls, Checked Recommends the Power fake-on (P.1.O.) installation on the source on senses transmissions to unize a vehicle interface module, or chassis module of the sense of the sense

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 485 Ft.lbs on their P.T.O. Drive Gear.

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(15) Input Gear Part No. 5-P-1428 (20) Input Gear Part No. 5-P-1309

January 2012





		LEF	T S	IDE (ONLY			TOP SIDE ONLY								
TRANSMIS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEA	R DA	TA:				
L.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline								
83 Teeth - L.H.	HELIX							83 Teeth - L.H. HELIX								
	: то /		тпр		~ C .											
1.7800" (45.210			IUK		JE.			1.7800" (45.21					JE.			
O a set i a se a d	, 						d fan D	T.O. Oute	,	- 64	0		A I			
Caution: /	чррі	Icat	ion .	Арр	roval R	equire	a tor P	.1.0. Outp	ut Sr	att	Spe	eas	Above .	2500 F	K.P.IVI .	
LEFT Side	Inter	Dir	Eng	ine %		Adapter		TOP Side	Inter	Dir	Eng	ine %		Adapter		
PTO Model	Torq.	Rot.	ш;	Boy	Filler Block	Assy.	Stud Kit	PTO Model	Torq.	Rot.	ш;	Pov	Filler Block	Assy.	Stud Kit	
			пі	Rev								Rev				
				ONE	<u> </u>	<u>D - TV</u>	<u>VO GE</u>	<u> AR - CONS</u>	<u>STAN</u>	<u>it n</u>	IES	H				
267SBFJP-*5 (1)	402	Eng	88				Furnished	267SBFJP-*3 (1)	402	Eng	88				Furnished	
267SDFJP-*5 (2)	390	Eng	106				Furnished	267SDFJP-*3 (2)	390	Eng	106				Furnished	
267SGFJP-*5 (3)	360	Eng	126				Furnished	267SGFJP-*3 (3)	360	Eng	126				Furnished	
267SMFJP-*5 (4)	309	Eng	157				Furnished	267SMFJP-*3 (4)	309	Eng	157				Furnished	
267SSFJP-*5 (5)	247	Eng	196				Furnished	267SSFJP-*3 (5)	247	Eng	196				Furnished	
267XBFJP-*5 (6)	335	Eng	88				Furnished	267XBFJP-*3 (6)	335	Eng	88				Furnished	
267XDFJP-*5 (7)	325	Eng	106				Furnished	267XDFJP-*3 (7)	325	Eng	106				Furnished	
267XGFJP-*5 (8)	300	Eng	126				Furnished	267XGFJP-*3 (8)	300	Eng	126				Furnished	
267XMFJP-*5 (9)	265	Eng	157				Furnished	267XMFJP-*3 (9)	265	Eng	157				Furnished	
267XSFJP-*5 (5)	247	Eng	196				Furnished	267XSFJP-*3 (5)	247	Eng	196				Furnished	
269SGFJW-*3 (3)	360	Eng	117				Furnished	269SGFJW-*3 (3)	360	Eng	117				Furnished	
269XGFJW-*3 (8)	300	Eng	117				Furnished	269XGFJW-*3 (8)	300	Eng	117				Furnished	
867XGFJP-*5 (10)	522	Eng	93				Furnished	867XGFJP-*5 (10)	522	Eng	93				Furnished	
867XMFJP-*5 (11)	408	Eng	119				Furnished	867XMFJP-*5 (11)	408	Eng	119				Furnished	
867XRFJP-*5 (12)	339	Eng	143				Furnished	867XRFJP-*5 (12)	339	Eng	143				Furnished	
867XSFJP-*5 (13)	311	Eng	156				Furnished	867XSFJP-*5 (13)	311	Eng	156				Furnished	
867XTFJP-*5 (14)	284	Eng	171				Furnished	867XTFJP-*5 (14)	284	Eng	171				Furnished	
877XAFJP-*5 (15)	485	Eng	100				Furnished	877XAFJP-*3 (15)	485	Eng	100				Furnished	
877XBFJP-*5 (15)	458	Eng	106				Furnished	877XBFJP-*3 (15)	458	Eng	106				Furnished	
877XCFJP-*5 (15)	425	Eng	114				Furnished	877XCFJP-*3 (15)	425	Eng	114				Furnished	
877XDFJP-*5 (15)	401	Eng	121				Furnished	877XDFJP-*3 (15)	401	Eng	121				Furnished	
877XEFJP-*5 (15)	351	Eng	138				Furnished	877XEFJP-*3 (15)	351	Eng	138				Furnished	
877XFFJP-*5 (15)	311	Eng	156				Furnished	877XFFJP-*3 (15)	311	Eng	156				Furnished	
877XGFJP-*5 (15)	274	Eng	177				Furnished	877XGFJP-*3 (15)	274	Eng	177				Furnished	
877XHFJP-*5 (15)	258	Eng	188				Furnished	877XHFJP-*3 (15)	258	Eng	188				Furnished	
877XJFJP-*5 (15)	242	Eng	200				Furnished	877XJFJP-*3 (15)	242	Eng	200				Furnished	
						0										

Continued Next Page

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NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

(1) Input Gear Part No. 5-P-1350	
(2) Input Gear Part No. 5-P-1293	
(3) Input Gear Part No. 5-P-1225	
(4) Input Gear Part No. 5-P-1351	
(5) Input Gear Part No. 5-P-1173	

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161 (12) Input Gear Part No. 5-P-1162 (13) Input Gear Part No. 5-P-1392 (14) Input Gear Part No. 5-P-1212 (15) Input Gear Part No. 5-P-1428 January 2012

	LEFT SIDE ONLY									TOF	P SIC	DE O	NLY		
L.H. 10-Bolt Op	SION ening	GEA Gear F	R DA ORWA	TA: RD of (Centerline			TRANSMIS	SION Dening	GEAF Gear F	R DA	TA: ARD of	Centerline		
83 Teeth - L.H.	HELIX							83 Teeth - L.H.	HELIX						
			TUR	E EAC	·E·			PITCH LINE TO APERTURE FACE:							
1.7800" (45.210	OMM)							1.7800" (45.2100MM)							
Caution: A	۱nn	icati	ion	Δnn	roval Re	anire	d for P		it Sh	aft 9	Sne	eds	Above (2500 F	2 P M
	, bbi	lout		- pp		, qui c						cus			
LEFT Side	Inter.	Dir.	Engi	ine %	Filler Block	Adapter	Stud Kit	TOP Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit
P.T.O. Model	Torq.	Rot.	Hi	Rev	T IIIer DIOCK	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	T IIIer Block	Assy.	Stud Kit
		0	NE	SPE	ED - TV	VO GI	EAR - F	POWERSH	IFT (HYI	DR/	UL	C)		<u> </u>
277SBFJP-*5 (1)	402	Eng	88				Furnished	277SBFJP-*5 (1)	402	Eng	88				Furnished
277SDFJP-*5 (2)	390	Eng	106				Furnished	277SDFJP-*5 (2)	390	Eng	106				Furnished
277SGFJP-*5 (3)	360	Eng	126				Furnished	277SGFJP-*5 (3)	360	Eng	126				Furnished
277SMFJP-*5 (4)	309	Eng	157				Furnished	277SMFJP-*5 (4)	309	Eng	157				Furnished
277SSFJP-*5 (5)	247	Eng	196				Furnished	277SSFJP-*5 (5)	247	Eng	196				Furnished
277XBFJP-*5 (6)	335	Eng	88				Furnished	277XBFJP-*5 (6)	335	Eng	88				Furnished
277XDFJP-*5 (7)	325	Eng	106				Furnished	277XDFJP-*5 (7)	325	Eng	106				Furnished
277XGFJP-*5 (8)	300	Eng	126				Furnished	277XGFJP-*5 (8)	300	Eng	126				Furnished
277XMFJP-*5 (9)	265	Eng	157				Furnished	277XMFJP-*5 (9)	265	Eng	157				Furnished
277XSFJP-*5 (5)	247	Eng	196				Furnished	277XSFJP-*5 (5)	247	Eng	196				Furnished
278SBFJP-*3 (1)	402	Eng	83				Furnished	278SBFJP-*3 (1)	402	Eng	83				Furnished
278SDFJP-*3 (2)	390	Eng	99				Furnished	278SDFJP-*3 (2)	390	Eng	99				Furnished
278SGFJP-*3 (3)	360	Eng	117				Furnished	278SGFJP-*3 (3)	360	Eng	117				Furnished
278SMFJP-*3 (4)	318	Eng	145				Furnished	278SMFJP-*3 (4)	318	Eng	145				Furnished
278SSFJP-*3 (5)	265	Eng	180				Furnished	278SSFJP-*3 (5)	265	Eng	180				Furnished
278STFJP-*3 (16)	230	Eng	211				Furnished	278STFJP-*3 (16)	230	Eng	211				Furnished
278XBFJP-*3 (6)	335	Eng	83				Furnished	278XBFJP-*3 (6)	335	Eng	83				Furnished
278XDFJP-*3 (7)	325	Eng	99				Furnished	278XDFJP-*3 (7)	325	Eng	99				Furnished
278XGFJP-*3 (8)	300	Eng	117				Furnished	278XGFJP-*3 (8)	300	Eng	117				Furnished
278XTFJP-*3 (17)	225	Eng	211				Furnished	278XTFJP-*3 (17)	225	Eng	211				Furnished
859XGFJP-*5 (10)	522	Eng	93				Furnished	859XGFJP-*5 (10)	522	Eng	93				Furnished
859XJFJP-*5 (18)	462	Eng	105				Furnished	859XJFJP-*5 (18)	462	Eng	105				Furnished
859XMFJP-*5 (11)	408	Eng	119				Furnished	859XMFJP-*5 (11)	408	Eng	119				Furnished
859XRFJP-*5 (12)	339	Eng	143				Furnished	859XRFJP-*5 (12)	339	Eng	143				Furnished
859XSFJP-*5 (13)	311	Eng	156				Furnished	859XSFJP-*5 (13)	311	Eng	156				Furnished
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Continued Next Page

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(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1212
(16) Input Gear Part No. 5-P-1410

(17) Input Gear Part No. 5-P-1409 (18) Input Gear Part No. 5-P-1394

January 2012

Darker Chelsea

4.2.46



	LEFT SIDE ONLY TRANSMISSION GEAR DATA:									TOF	P SIE	DE OI	NLY		
TRANSMISS L.H. 10-Bolt Ope 83 Teeth - L.H. H PITCH LINE 1.7800" (45.210	BION ening (HELIX TO A 0MM)	GEAI Gear Fi APER	R DA ORW/ TUR	ARD of C	Centerline			TRANSMIS TOP 10-Bolt Op 83 Teeth - L.H. PITCH LINE 1.7800" (45.210	SION Dening HELIX E TO A DOMM)	GEAF Gear F	R DA ORWA	TA: ARD of E FAC	Centerline		
Caution: A	\ppl	icati	ion	Арр	roval Re	quire	d for P	.T.O. Outpu	ut Sh	aft S	Spe	eds	Above 2	2500 F	R.P.M.
LEFT Side P.T.O. Model	Inter. Torq.	r. Dir. A. Rot. Hi Rev Filler Block Adapter Assy.					Stud Kit	TOP Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Eng Hi	ine % Rev	· Filler Block	Adapter Assy.	Stud Kit
		0	NE	SPE	ED - TV	VO G	EAR - I	POWERSH	IFT (HY	DRA		C)		
859XWFJP-*5 (19)	233	Eng	208	<u> </u>			Furnished	859XWFJP-*5 (19)	233	Eng	208		-		Furnished
		(E SP	EED - P	OWE	RSHIF	T (HYD) EX	TEN	IDE	D S	HAF	T			
890FAFJW-*5 (15) 890FBFJW-*5 (15) 890FCFJW-*5 (15) 890FDFJW-*5 (15) 890FEFJW-*5 (15) 890FFFJW-*5 (15) 890FGFJW-*5 (15)	485 458 425 401 351 311 274 258	Eng Eng Eng Eng Eng Eng Eng Eng	100 106 114 121 138 156 177 188				Furnished Furnished Furnished Furnished Furnished Furnished Furnished								
			ON	IE SI	PEED -	<u>CONS</u>	<u>STANT</u>	MESH EX	ΓΕΝΙ	DED	SH	AFT			
897FAFJW-*5 (15) 897FBFJW-*5 (15) 897FCFJW-*5 (15) 897FDFJW-*5 (15) 897FEFJW-*5 (15) 897FFFJW-*5 (15) 897FGFJW-*5 (15)	485 458 425 401 351 311 274	Eng Eng Eng Eng Eng Eng Eng	100 106 114 121 138 156 177				Furnished Furnished Furnished Furnished Furnished Furnished Furnished								
897FHFJW-*5 (15)	258	Eng	188				Furnished								

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(15) Input Gear Part No. 5-P-1428 (19) Input Gear Part No. 5-P-1309



January 2012

ALL-16EV

3000 EVS 3500 EVS

	LEFT SIDE ONLY									TOP	P SIE	DE O	NLY		
TRANSMISS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEAI	R DA	TA:			
L.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt Op	pening	Gear F	ORWA	ARD of	Centerline		
83 Teeth - L.H.	HELIX							83 Teeth - L.H.	HELIX						
PITCH I INF	TO 4		TUR	F FΔ(:F·				: то 4	PER	TUR	F F A (CE.		
1.7800" (45.210	OMM)			/				1.7800" (45.210	00MM)						
Caution: A	\ppl	icati	ion .	App	roval Re	quire	d for P	T.O. Outpu	ut Sh	aft	Spe	eds	Above	2500 F	R.P.M.
			Eng	ino %		-		TODICIAL			Eng	ino %			
LEFI Side	Inter.	Dir. Bot	Ling		Filler Block	Adapter	Stud Kit	TOP Side	Inter.	Dir. Bot	Eng		Filler Block	Adapter	Stud Kit
P.T.O. Model	TOIQ.	NOL.	Hi	Rev		ASSy.		P.T.O. Model	Torq.	NOL.	Hi	Rev		Assy.	
	-	•	-	ONF	SPEE	D - TV	VO GE	AR - CONS	TAN	IT M	IES	H	-	-	<u> </u>
267SBFJP-*5 (1)	402	Eng	88				Furnished	267SBFJP-*3 (1)	402	Eng	88				Furnished
267SDFJP-*5 (2)	390	Eng	106				Furnished	267SDFJP-*3 (2)	390	Eng	106				Furnished
267SGFJP-*5 (3)	360	Eng	126				Furnished	267SGFJP-*3 (3)	360	Eng	126				Furnished
267SMFJP-*5 (4)	309	Eng	157				Furnished	267SMFJP-*3 (4)	309	Eng	157				Furnished
267SSFJP-*5 (5)	247	Eng	196				Furnished	267SSFJP-*3 (5)	247	Eng	196				Furnished
267XBFJP-*5 (6)	335	Eng	88				Furnished	267XBFJP-*3 (6)	335	Eng	88				Furnished
267XDFJP-*5 (7)	325	Eng	106				Furnished	267XDFJP-*3 (7)	325	Eng	106				Furnished
267XGFJP-*5 (8)	300	Eng	126				Furnished	267XGFJP-*3 (8)	300	Eng	126				Furnished
267XMFJP-*5 (9)	265	Eng	157				Furnished	267XMFJP-*3 (9)	265	Eng	157				Furnished
267XSFJP-*5 (5)	247	Eng	196				Furnished	267XSFJP-*3 (5)	247	Eng	196				Furnished
269SGFJW-*3 (3)	360	Eng	117				Furnished	269SGFJW-*3 (3)	360	Eng	117				Furnished
269XGFJW-*3 (8)	300	Eng	117				Furnished	269XGFJW-*3 (8)	300	Eng	117				Furnished
867XGFJP-*5 (10)	575	Eng	93				Furnished	867XGFJP-*5 (10)	575	Eng	93				Furnished
867XMFJP-*5 (11)	490	Eng	119				Furnished	867XMFJP-*5 (11)	490	Eng	119				Furnished
867XRFJP-*5 (12)	415	Eng	143				Furnished	867XRFJP-*5 (12)	415	Eng	143				Furnished
867XSFJP-*5 (13)	385	Eng	156				Furnished	867XSFJP-*5 (13)	385	Eng	156				Furnished
867XTFJP-*5 (14)	350	Eng	171				Furnished	867XTFJP-*5 (14)	350	Eng	171				Furnished
877XAFJP-*5 (15)	670	Eng	100				Furnished	877XAFJP-*3 (15)	670	Eng	100				Furnished
877XBFJP-*5 (15)	632	Eng	106				Furnished	877XBFJP-*3 (15)	632	Eng	106				Furnished
877XCFJP-*5 (15)	588	Eng	114				Furnished	877XCFJP-*3 (15)	588	Eng	114				Furnished
877XDFJP-*5 (15)	554	Eng	121				Furnished	877XDFJP-*3 (15)	554	Eng	121				Furnished
877XEFJP-*5 (15)	486	Eng	138				Furnished	877XEFJP-*3 (15)	486	Eng	138				Furnished
877XFFJP-*5 (15)	429	Eng	156				Furnished	877XFFJP-*3 (15)	429	Eng	156				Furnished
877XGFJP-*5 (15)	379	Eng	177				Furnished	877XGFJP-*3 (15)	379	Eng	177				Furnished
877XHFJP-*5 (15)	356	Eng	188				Furnished	877XHFJP-*3 (15)	356	Eng	188				Furnished
877XJFJP-*5 (15)	334	Eng	200				Furnished	877XJFJP-*3 (15)	334	Eng	200				Furnished

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "PTO Request" and "PTO Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: Allison Transmission Maximum Power Capability of the Top Mount P.T.O. Drive Gear on MD Series Transmissions used in the Fire and Emergency Vehicle Vocations has been Increased. The ratings on this page are valid only for the Top Mount P.T.O. Option. Refer to Allison Watch #291 for complete details.

NOTE: The Stated Intermittent Torque Values on this Page are for Fire and Emergency Vehicle Applications with One P.T.O. not to Exceed 790 Lbs.ft [1068 N.m] on the Transmission P.T.O. Drive Gear. For Two P.T.O. Applications the Combined Torque Valve Can Not Exceed 790 Lbs.ft [1068 N.m] at the Transmission P.T.O. Drive Gear. See Example on "How to Calculate".

NOTE: "How to Calculate" Torque for two (2) P.T.O. INTERMITTENT Applications. Combined Total = [Actual Torque of P.T.O.#1] / [Per Cent of Engine] + [Actual Torque of P.T.O.#2] / [Per Cent of Engine]. Application is OK if Combined Torque is less than 790 Lbs.ft for Intermitten use and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits. For CONTINUOUS Applications = Application is OK if Combined Torque is less than 685 Lbs.ft and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits x .70.

NOTE: All models require a Hose Assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

Parker Chelsea

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1212
(15) Input Gear Part No. 5-P-1428

January 2012

4.2.48



3000 EVS 3500 EVS

	LEFT SIDE ONLY							TOP SIDE ONLY								
TRANSMIS	SION	GEA	R DA	TA:				TRANSMIS	SION	GEA	R DA	TA:				
L.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt O	pening	Gear F	ORWA	ARD of	Centerline			
83 Teeth - L.H.	HELIX							83 Teeth - L.H. HELIX								
PITCH LINE	то и		TUR	FFΔ	CE.			PITCH LINE TO APERTURE FACE:								
1.7800" (45.210	DOMM)							1.7800" (45.21	00MM)				02.			
Contion	امم	leati		A	revel D	o o u lino	d for D	TO Outro			Cinc	o d o	Above	2500 5		
Caution: /	чррі	Icali	on	Арр	roval R	equire	a for P	. 1.0. Outp	ut Sr	iait	Spe	eas	Above	2000 г		
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	
				CDE	ד חם:											
2778DE ID *5 (1)	402	Eng		JFL			Eurnished		402	Eng		NUL	10)		Eurpichod	
277SDFJP-*5 (1)	390	Eng	106				Furnished	277SDFJP-*5 (2)	390	Eng	106				Furnished	
277SGFJP-*5 (3)	360	Eng	126				Furnished	277SGFJP-*5 (3)	360	Ena	126				Furnished	
277SMFJP-*5 (4)	309	Eng	157				Furnished	277SMFJP-*5 (4)	309	Eng	157				Furnished	
277SSFJP-*5 (5)	247	Eng	196				Furnished	277SSFJP-*5 (5)	247	Eng	196				Furnished	
277XBFJP-*5 (6)	335	Eng	88				Furnished	277XBFJP-*5 (6)	335	Eng	88				Furnished	
277XDFJP-*5 (7)	325	Eng	106				Furnished	277XDFJP-*5 (7)	325	Eng	106				Furnished	
277XGFJP-*5 (8)	300	Eng	126				Furnished	277XGFJP-*5 (8)	300	Eng	126				Furnished	
277XMFJP-*5 (9)	265	Eng	157				Furnished	277XMFJP-*5 (9)	265	Eng	157				Furnished	
277XSFJP-*5 (5)	247	Eng	196				Furnished	277XSFJP-*5 (5)	247	Eng	196				Furnished	
278SBFJP-*3 (1)	402	Eng	83				Furnished	278SBFJP-*3 (1)	402	Eng	83				Furnished	
278SDFJP-*3 (2)	390	Eng	99				Furnished	278SDFJP-*3 (2)	390	Eng	99				Furnished	
278SGFJP-*3 (3)	360	Eng	117				Furnished	278SGFJP-*3 (3)	360	Eng	117				Furnished	
278SMFJP-*3 (4)	318	Eng	145				Furnished	278SMFJP-*3 (4)	318	Eng	145				Furnished	
278SSFJP-*3 (5)	265	Eng	180				Furnished	278SSFJP-*3 (5)	265	Eng	180				Furnished	
278STFJP-*3 (16)	230	Eng	211				Furnished	278STFJP-*3 (16)	230	Eng	211				Furnished	
278XBFJP-*3 (6)	335	Eng	83				Furnished	278XBFJP-*3 (6)	335	Eng	83				Furnished	
278XDFJP-*3 (7)	325	Eng	99				Furnished	278XDFJP-*3 (7)	325	Eng	99				Furnished	
278XGFJP-*3 (8)	300	Eng	117				Furnished	278XGFJP-*3 (8)	300	Eng	117				Furnished	
278XMFJP-*3 (9)	265	Eng	145				Furnished	278XMFJP-*3 (9)	265	Eng	145				Furnished	
278XSFJP-*3 (5)	250	Eng	180				Furnished	278XSFJP-*3 (5)	250	Eng	180				Furnished	
278XTFJP-*3 (17)	225	Eng	211				Furnished	278XTFJP-*3 (17)	225	Eng	211				Furnished	
859XGFJP-*5 (10)	575	Eng	93				Furnished	859XGFJP-*5 (10)	575	Eng	93				Furnished	
859XJFJP-*5 (18)	525	Eng	105				Furnished	859XJFJP-*5 (18)	525	Eng	105				Furnished	
859XMFJP-*5 (11)	490	Eng	119				Furnished	859XMFJP-*5 (11)	490	Eng	119				Furnished	
859XRFJP-*5 (12)	415	Eng	143				Furnished	859XRFJP-*5 (12)	415	Eng	143				Furnished	

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "PTO Request" and "PTO Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

NOTE: Allison Transmission Maximum Power Capability of the Top Mount P.T.O. Drive Gear on MD Series Transmissions used in the Fire and Emergency Vehicle Vocations has been Increased. The ratings on this page are valid only for the Top Mount P.T.O. Option. Refer to Allison Watch #291 for complete details.

NOTE: The Stated Intermittent Torque Values on this Page are for Fire and Emergency Vehicle Applications with One P.T.O. not to Exceed 790 Lbs.ft [1068 N.m] on the Transmission P.T.O. Drive Gear. For Two P.T.O. Applications the Combined Torque Value Can Not Exceed 790 Lbs.ft [1068 N.m] at the Transmission P.T.O. Drive Gear. See Example on "How to Calculate".

NOTE: "How to Calculate" Torque for two (2) P.T.O. INTERMITTENT Applications. Combined Total = [Actual Torque of P.T.O.#1] / [Per Cent of Engine] + [Actual Torque of P.T.O.#2] / [Per Cent of Engine]. Application is OK if Combined Torque is less than 790 Lbs.ft for Intermitten use and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits. For CONTINUOUS Applications = Application is OK if Combined Torque is less than 685 Lbs.ft and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits x .70.

NOTE: All models require a Hose Assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 890 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161 (12) Input Gear Part No. 5-P-1162 (16) Input Gear Part No. 5-P-1410 (17) Input Gear Part No. 5-P-1394 (18) Input Gear Part No. 5-P-1394



4.2.49

ALL-16EV

3000 EVS 3500 EVS

		LEF	T S	IDE (ONLY					TO	P SII		NLY		
TRANSMISS	SION	GEA	r da	TA:				TRANSMIS	SION	GEA	R DA	TA:			
L.H. 10-Bolt Ope	ening	Gear F	ORW	ARD of	Centerline			TOP 10-Bolt Or	pening	Gear F	ORW	ARD of	Centerline		
83 Teeth - L H								83 Teeth - L H	HELIX						
			סווד		·E.						тпр		·E.		
1.7800" (45.210	0MM)		IUK		JE.			1.7800" (45.210	200MM)	AFER	TUR		JE.		
Caution: A	\ppl	icati	ion	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sł	naft	Spe	eds	Above 2	2500 F	R.P.M.
LEFT Side	Inter	Dir	Eng	gine %		Adapter		TOP Side	Inter	Dir	Eng	ine %		Adapter	
P.T.O. Model	Torq.	Rot.	ні	Rev	Filler Block	Assy.	Stud Kit	PTO Model	Torq.	Rot.	ні	Rov	Filler Block	Assy.	Stud Kit
				1.07					<u> </u>			1.07			
		0	NE	SPE	ED - T\	NO GI	EAR - I	POWERSH	IFT	<u>(HY</u>	DRA	AUL	(C)		
859XSFJP-*5 (13)	385	Eng	156				Furnished	859XSFJP-*5 (13)	385	Eng	156				Furnished
859XTFJP-*5 (14)	350	Eng	171				Furnished	859XTFJP-*5 (14)	350	Eng	171				Furnished
859XWFJP-*5 (19)	285	Eng	208				Furnished	859XWFJP-*5 (19)	285	Eng	208				Furnished
870XAFJP-*5 (15)	670	Eng	100				Furnished	870XAFJP-*3 (15)	670	Eng	100				Furnished
870XBFJP-*5 (15)	632	Eng -	106				Furnished	870XBFJP-*3 (15)	632	Eng	106				Furnished
870XCFJP-*5 (15)	588	Eng	114				Furnished	870XCFJP-*3 (15)	588	Eng	114				Furnished
870XDFJP-^5 (15)	554	Eng	121				Furnished	870XDFJP-^3 (15)	554	Eng	121				Furnished
870XEFJP-^5 (15)	486	Eng	138				Furnished	870XEFJP-^3 (15)	486	Eng	138				Furnished
870XFFJP-^5 (15)	429	Eng	156				Furnished	870XFFJP-^3 (15)	429	Eng	156				Furnished
870XGFJP-"5 (15)	379	Eng	1//				Furnished	870XGFJP-"3 (15)	379	Eng	1//				Furnished
870XHFJP-"5 (15)	350	Eng	188				Furnished	870XHFJP-"3 (15)	350	Eng	188				Furnished
670XJFJP- 5 (15)	334	Eng	200				Furnished	670XJFJP- 3 (15)	334	Eng	200				Fumished
		(ONE	<u>= SP</u>	<u>EED - P</u>	POWE	RSHIF	<u>T (HYD) EX</u>	(TEI	NDE	<u>d s</u>	HAF	T		
890EAFJW-*5 (15)	670	Eng	100				Furnished	890TAFJW-*5 (15)	670	Eng	100				Furnished
890EBFJW-*5 (15)	632	Eng	106				Furnished	890TBFJW-*5 (15)	632	Eng	106				Furnished
890ECFJW-*5 (15)	588	Eng -	114				Furnished	8901CFJW-*5 (15)	588	Eng	114				Furnished
890EDFJW-*5 (15)	554	Eng -	121				Furnished	8901DFJW-*5 (15)	554	Eng	121				Furnished
890EEFJW-*5 (15)	486	Eng -	138				Furnished	8901EFJW-*5 (15)	486	Eng	138				Furnished
890EFFJW-*5 (15)	429	Eng	156				Furnished	8901FFJW-*5 (15)	429	Eng	156				Furnished
890EGFJW-*5 (15)	378	Eng	1//				Furnished	8901GFJW-^5 (15)	378	Eng	1//				Furnished
890EHFJW-"5 (15)	350	Eng	188				Furnished	8901HFJW-"5 (15)	350	Eng	188		_		Furnished
			ON	IE SI	<u>PEED -</u>	<u>CONS</u>	<u>STANT</u>	MESH EX	TEN	DED) SH	IAF1			
897EAFJW-*5 (15)	670	Eng	100				Furnished	897TAFJW-*5 (15)	670	Eng	100				Furnished
897EBFJW-*5 (15)	632	Eng	106				Furnished	897TBFJW-*5 (15)	632	Eng	106				Furnished
897ECFJW-*5 (15)	588	Eng	114				Furnished	897TCFJW-*5 (15)	588	Eng	114				Furnished
097EDFJW- 5 (15)	304	Eng	121				Furnished	097 IDFJW- 5 (15)	304	Eng	121				Furnished
09/EEFJW- 0 (15)		Furnished	097 IEFJW- 3 (15)	400	Eng	150				Furnished					
807ECE IW/ *5 (15)				Furnished	807TCE IW/ *5 (15)	429	Eng	177				Furnished			
897EHEJW_*5 (15)			Furnished	897THE IW_*5 (15)	356	Eng	188				Furnished				
	Recomm	ende the	Power	r Tako Off	(PTO) installati	ion on the 20		Transmissions to utilize	a Vobio			ile or Ch	aesis Manufactur	are' equivele	nt
Controller to incorpora Module(TCM) to main Transmission website	<u>UTION</u> : Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent troller to incorporate all the P.T.O. control features available, this includes the "PTO Request" and "PTO Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control dule(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison insmission website and individual chassis manufacturer for installation details.														
NOTE: Allison Transr ratings on this page a	mission I are valid	Maximun only for t	n Powe he Top	r Capabili Mount P.1	ty of the Top Mou I.O. Option. Refe	unt P.T.O. Driv er to Allison W	/e Gear on MD /atch #291 for c) Series Transmissions u complete details.	used in th	ne Fire ar	nd Ernerg	gency Ve	hicle Vocations h	as been Incr	eased. The

NOTE: The Stated Intermittent Torque Values on this Page are for Fire and Emergency Vehicle Applications with One P.T.O. not to Exceed 790 Lbs.ft [1068 N.m] on the Transmission P.T.O. Drive Gear. For Two P.T.O. Applications the Combined Torque Valve Can Not Exceed 790 Lbs.ft [1068 N.m] at the Transmission P.T.O. Drive Gear. See Example on "How to Calculate".

NOTE: "How to Calculate" Torque for two (2) P.T.O. INTERMITTENT Applications. Combined Total = [Actual Torque of P.T.O.#1] / [Per Cent of Engine] + [Actual Torque of P.T.O.#2] / [Per Cent of Engine]. Application is OK if Combined Torque is less than 790 Lbs.ft for Intermitten use and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits. For CONTINUOUS Applications = Application is OK if Combined Torque is less than 685 Lbs.ft and the P.T.O.s Torque Requirements are less than Stated P.T.O. Torque Limits x .70.

NOTE: All models require a Hose Assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277, 278 and 867 Series, use 329130-5X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 890/897 Series n The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting

NOTE: 890 Series - All Mounting Hardware and Hose Assemblies are Included with the Unit.

NOTE: 890 Series - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

(13) Input Gear Part No. 5-P-1392 (14) Input Gear Part No. 5-P-1212 (15) Input Gear Part No. 5-P-1428 (19) Input Gear Part No. 5-P-1309



1000 GM 3600 Cab Chassis

							RIGHT SIDE ONLY							
TRANSMISSION GEAR DATA: R.H. 06-Bolt Opening Gear FORWARD of Centerline														
64 Teeth - SPUR														
							PITCH LINE 6.8648" (25.603	E TO / 32MM)	APER	TURE	E FAC	E:		
Caution: App	Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.													
Inter	Dir.	Eng	ine %		Adapter	0. 11/1	RIGHT Side	Inter.	Dir.	Engi	ne %		Adapter	
P.T.O. Model Torq. Rot. Hi Rev Piller Block Assy. Stud Kit P.T.O. Model Torq. Rot. Hi Rev Piller Block Assy. Stud Kit												Stud Kit		
ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)														

252GDHVX-*5 (1)	120	Eng
252GMHVX-*5 (2)	50	Eng

122

178

Furnished Furnished

252 Pumps Pumps Offered	in the PGP511 with 5/8" - 9)T or 3/4" - 11T Sh	aft / S.A.E. "A" Fla	ange		
Option Order Code	Chelsea Pump Model	Displacement in^3/rev	Displacement Gal/rev	Cont. Pressure psi	Max Speed rpm	Shaft Size
1116	CGP-P11C016-1AC	0.37	0.002	3988	4000	5/8" 9T
1121	CGP-P11C021-1AC	0.49	0.002	3988	4000	5/8" 9T
1126	CGP-P11C026-1AC	0.61	0.003	3988	3600	5/8" 9T
1129	CGP-P11C029-1AC	0.67	0.003	3988	3600	5/8" 9T
1137	CGP-P11C037-1AC	0.85	0.004	3988	3300	5/8" 9T
1449	CGP-P31C054-1AE	1.24	0.005	3500	3000	5/8" 9T
1462	CGP-P31C061-1AE	1.40	0.006	3500	3000	5/8" 9T
P37	CGP-P11C037-5AC	0.85	0.004	3988	3300	3/4" 11T
P42	CGP-P11C042-5AC	0.98	0.004	3988	3000	3/4" 11T
P71	CGP-P11C071-5AC	1.65	0.007	2900	2400	3/4" 11T

All 252 Series Pumps Must Be Rear Ported

CAUTION: The "P.T.O. Enable" circuit signals the Transmission Control Module(TCM) to maintain line pressure to the P.T.O. Failure to provide this signal will activate the Variable Modulated Main Pressure and line pressure may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission.

NOTE: There is torque converter lock up feature available with the 1000 series transmission. The torque converter lock up feature comes on and is controlled by the Transmission Control Module (TCM) at 1100 RPM transmission turbine speed when a signal is provided to the "PTO Enable" circuit of the TCM by the P.T.O. switch. This equates to 1200-1250 RPM or higher engine speed, depending on P.T.O. load. Lock up will only come on in the "PARK" position. The lock up clutch does not come on automatically in "DRIVE" at 1100 RPM. Refer to the appropriate owner's manual for wiring installation.

NOTE: The P.T.O. torque ratings shown are based on the maximum allowable torque of 250 lb-ft at the 64 tooth gear in the transmission with the P.T.O. on one opening only. With P.T.O.s mounted on both openings the maximum allowable torque at the 64 tooth gear in the transmission is 200 lb-ft. For a more precise evaluation of your P.T.O. application refer to the Allison Body Builders Book, Section F, P.T.O. Systems Provisions.

NOTE: The 252 Series on the MY 2007 and later GM 3600 Cab/Chassis requires a wiring harness Chelsea part number 329620X. This harness must be ordered separately and is required for proper P.T.O. to Engine interface operation. Refer to GM UI Bulletin #80.

NOTE: Only the 12v "B" option shifter can be used on this application.

NOTE: The left P.T.O. aperture opening on this application is not usable due to engine fuel lines blocking the opening.

Input Gear Part No. 5-P-1294
 Input Gear Part No. 5-P-1386



ALL-18

3700 3700 SP

		LEF	T S		DNLY					RIGH	IT SI		ONLY		
	SION	GEA			Centerline				SION	GEAI		TA:	Centerline		
		Gearry			Centenine										
68 Teeth - L.H.	HELIX														
PITCH LINE 1.7800" (45.210	TO / 0MM)	PER	TUR	E FAC	CE:			PITCH LINI 1.7800" (45.21	E TO A 00MM)	PER	TURI	EFAC	CE:		
Caution: A	Appl	icati	ion .	Арр	roval Re	equire	d for P	T.O. Outp	ut Sh	aft	Spe	eds	Above 2	2500 F	R.P.M.
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter	Stud Kit	RIGHT Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Stud Kit
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler BIOCK	Assy.	στια κιί	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	
				ONE	SPEE	D - TW	O GE	AR - CONS	STAN	IT N	IES	H			<u> </u>
267SBFJP-*5 (1)	402	Eng	72				Furnished	267SBFJP-*3 (1)	402	Eng	72				Furnished
267SDFJP-*5 (2)	390	Eng	87				Furnished	267SDFJP-*3 (2)	390	Eng	87				Furnished
267SGFJP-*5 (3)	360	Eng	103				Furnished	267SGFJP-*3 (3)	360	Eng	103				Furnished
267SMFJP-*5 (4)	318	Eng	129				Furnished	267SMFJP-*3 (4)	318	Eng	129				Furnished
267SSFJP-*5 (5)	265	Eng	161				Furnished	267SSFJP-*3 (5)	265	Eng	161				Furnished
267XBFJP-*5 (6)	335	Eng	72				Furnished	267XBFJP-*3 (6)	335	Eng	72				Furnished
267XDFJP-*5 (7)	325	Eng	87				Furnished	267XDFJP-*3 (7)	325	Eng	87				Furnished
267XGFJP-*5 (8)	300	Eng	103				Furnished	267XGFJP-*3 (8)	300	Eng	103				Furnished
267XMFJP-*5 (9)	265	Eng	129				Furnished	267XMFJP-*3 (9)	265	Eng	129				Furnished
267XSFJP-*5 (5)	250	Eng	161				Furnished	267XSFJP-*3 (5)	250	Eng	161				Furnished
269SBFJW-*3 (1)	402	Eng	68				Furnished	269SBFJW-*3 (1)	402	Eng	68				Furnished
269SDFJW-*3 (2)	390	Eng	81				Furnished	269SDFJW-*3 (2)	390	Eng	81				Furnished
269SGFJW-*3 (3)	360	Eng	96				Furnished	269SGFJW-*3 (3)	360	Eng	96				Furnished
269SMFJW-*3 (4)	318	Eng	170				Furnished	269SMFJW-*3 (4)	318	Eng	119				Furnished
269XBFJW-*3 (6)	335	Eng	68				Furnished	269XBFJW-*3 (6)	335	Eng	68				Furnished
269XDFJW-*3 (7)	325	Eng	81				Furnished	269XDFJW-*3 (7)	325	Eng	81				Furnished
269XGFJW-*3 (8)	300	Eng	96				Furnished	269XGFJW-*3 (8)	300	Eng	96				Furnished
269XMFJW-*3 (9)	265	Eng	119				Furnished	269XMFJW-*3 (9)	265	Eng	119				Furnished
867XGFJP-*5 (10)	575	Eng	76				Furnished	867XGFJP-*5 (10)	575	Eng	76				Furnished
867XMFJP-*5 (11)	490	Eng	139				Furnished	867XMFJP-*5 (11)	490	Eng	98				Furnished
867XRFJP-*5 (12)	410	Eng	117				Furnished	867XRFJP-*5 (12)	410	Eng	117				Furnished
867XSFJP-*5 (13)	385	Eng	128				Furnished	867XSFJP-*5 (13)	385	Eng	128				Furnished
867XTFJP-*5 (14)	350	Eng	140				Furnished	867XTFJP-*5 (14)	350	Eng	140				Furnished
877XAFJP-*5 (15)	591	Eng	82				Furnished	877XAFJP-*3 (15)	591	Eng	82				Furnished
877XBFJP-*5 (15)	557	Eng	87				Furnished	877XBFJP-*3 (15)	557	Eng	87				Furnished
877XCFJP-*5 (15)	522	Eng	93				Furnished	877XCFJP-*3 (15)	522	Eng	93				Furnished

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859 and 870/877 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: The 3700 and MD3070 have P.T.O. Availability on the Left-Side Only. The Right-Side is Utilized by OE Equipment. The Transfer Case is Integral to the Transmission

NOTE: 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
((3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
((5) Input Gear Part No. 5-P-1173

Allison

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1212
(15) Input Gear Part No. 5-P-1428

January 2012

Parker Chelsea

4.2.52



3700 3700 SP

LEFT SIDE ONLY								RIGHT SIDE ONLY								
TRANSMISS	SION	GEA	R DA	TA:				TRA	NSMIS	SION	GEA	R DA	TA:			
L.H. 10-Bolt Ope	ening	Gear F	ORWA	RD of (Centerline			R.H.	10-Bolt Op	pening	Gear F	ORWA	RD of	Centerline		
68 Teeth - L.H.	HELIX							68 Teeth - L.H. HELIX								
PITCH LINE 1.7800" (45.210	TO / 0MM)	APER	TURI	E FAC	E:			PIICH LINE TO APERTURE FACE: 1.7800" (45.2100MM)								
Caution: A	۱q۹	icati	on /	App	roval Re	quire	d for P	. T.O .	Outpu	ut Sh	aft \$	Spe	eds	Above 2	2500 F	R.P.M.
LEFT Side	Inter.	Dir.	Engi	ine %		Adapter		RIGH	T Side	Inter.	Dir.	Engi	ne %		Adapter	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O	. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
ONE SPEED - TWO G									CONS		Т М	IESI	-			
877XDFJP-*5 (15)	490	Eng	99				Furnished	877XDF	JP-*3 (15)	490	Eng	99				Furnished
877XEFJP-*5 (15)	429	Eng	113				Furnished	877XEF	JP-*3 (15)	429	Eng	113				Furnished
877XFFJP-*5 (15)	379	Eng	128				Furnished	877XFF	JP-*3 (15)	379	Eng	128				Furnished
877XGFJP-*5 (15)	334	Eng	145				Furnished	877XGF	JP-*3 (15)	334	Eng	145				Furnished
877XHFJP-*5 (15)	315	Eng	154				Furnished	877XHF	JP-*3 (15)	315	Eng	154				Furnished
877XJFJP-*5 (15)	295	Eng	164				Furnished									
		0	NE	SPE	ED - TV	NO GI	EAR - I	POW	ERSH	IFT ((HYI	DRA	ULI	C)		
277SBFJP-*5 (1)	402	Eng	72				Furnished	277SBF	JP-*5 (1)	402	Eng	72				Furnished
277SDFJP-*5 (2)	390	Eng	87				Furnished	277SDF	JP-*5 (2)	390	Eng	87				Furnished
277SGFJP-*5 (3)	360	Eng	103				Furnished	277SGF	JP-*5 (3)	360	Eng	103				Furnished
277SMFJP-*5 (4)	318	Eng	129				Furnished	277SMF	JP-*5 (4)	318	Eng	129				Furnished
277SSFJP-*5 (5)	265	Eng	161				Furnished	277SSF	JP-*5 (5)	265	Eng	161				Furnished
277XBFJP-*5 (6)	335	Eng	72				Furnished	277XBF	JP-*5 (6)	335	Eng	72				Furnished
277XDFJP-*5 (7)	325	Eng	87				Furnished	277XDF	JP-*5 (7)	325	Eng	87				Furnished
277XGFJP-*5 (8)	300	Eng	103				Furnished	277XGF	JP-*5 (8)	300	Eng	103				Furnished
277XMFJP-^5 (9)	265	Eng	129				Furnished	277XMF	JP-^5 (9)	265	Eng	129				Furnished
277XSFJP-^5 (5)	250	Eng	161				Furnished	277XSF	JP-^5 (5)	250	Eng	161				Furnished
278SBFJP-^3 (1)	402	Eng	68				Furnished	278SBF	JP-^3 (1)	402	Eng	68				Furnished
27850FJP-^3 (2)	390	Eng	81				Furnished	278SDF	JP-^3 (2)	390	Eng	81				Furnished
2/05GFJP-"3 (3)	300	Eng	90				Furnished	2785GF	JF-"3 (3)	300	Eng	90				
2105WFJP-"3 (4)	318	Eng	119				Furnished	2/85MF	JP-"3 (4)	318	Eng	119				
21000FJP-"3 (5)	200	Eng	147				Furnished	270075	JF-"3 (5)	200	Eng	147				Furnished
2103 IFJP- 3 (10)	240	Eng	113				Furnished	270015	JE +2 (6)	240	Eng	60				Furnished
270XDE ID *2 (7)	335	Eng	00				Furnished	270705	JE- 2 (2)	335	Eng	00				Furnished
210XUFJP-"3(1)	325	Eng	81				rumisned	218XDF	JP-"3 (7)	325	Eng	81				rumisned

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torgue Rating on Certain Ratios is Restricted by Allison Transmission to a Torgue Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859 and 870/877 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: The 3700 and MD3070 have P.T.O. Availability on the Left-Side Only. The Right-Side is Utilized by OE Equipment. The Transfer Case is Integral to the Transmission

NOTE: 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

Input Gear Part No. 5-P-1350	
(2) Input Gear Part No. 5-P-1293	
(3) Input Gear Part No. 5-P-1225	
(4) Input Gear Part No. 5-P-1351	
(5) Input Gear Part No. 5-P-1173	

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(15) Input Gear Part No. 5-P-1428

(16) Input Gear Part No. 5-P-1410

January 2012

Parker Chelsea

4.2.53

ALL-18

3700 3700 SP

LEFT SIDE ONLY								RIGHT SIDE ONLY								
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:								
L.H. 10-Bolt Ope	ening (Gear F	ORW	ARD of	Centerline			R.H. 10-Bolt Op	pening	Gear F	ORW	ARD of	Centerline			
68 Teeth - L H HFLIX						68 Teeth - L H	HELIX									
						: TO /		тпр		` E.						
1 7800" (45 2100MM)					1 7800" (45 210		APER	IUK								
1.7000 (40.2100/VIVI)								(
Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.																
LEFT Side	Inter.	Dir.	Enç	gine %		Adapter		RIGHT Side	Inter.	Dir.	Eng	ine %		Adapter		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	
		0	NE	SPE	ED - TV	NO GI	EAR - I	POWERSH	IFT ((HYI	DR/	ULI	C)		<u> </u>	
278XGFJP-*3 (8)	300	Eng	96				Furnished	278XGFJP-*3 (8)	300	Eng	96		-		Furnished	
278XMFJP-*3 (9)	265	Eng	119				Furnished	278XMFJP-*3 (9)	265	Eng	119				Furnished	
278XSFJP-*3 (5)	250	Eng	147				Furnished	278XSFJP-*3 (5)	250	Eng	147				Furnished	
278XTFJP-*3 (17)	225	Eng	247				Furnished	278XTFJP-*3 (17)	225	Eng	247				Furnished	
859XGFJP-*5 (10)	575	Eng	76				Furnished	859XGFJP-*5 (10)	575	Eng	76				Furnished	
859XJFJP-*5 (18)	525	Eng	86				Furnished	859XJFJP-*5 (18)	525	Eng	86				Furnished	
859XMFJP-*5 (11)	490	Eng	98				Furnished	859XMFJP-*5 (11)	490	Eng	98				Furnished	
859XRFJP-*5 (12)	415	Eng	117				Furnished	859XRFJP-*5 (12)	415	Eng	117				Furnished	
859XSFJP-*5 (13)	385	Eng	128				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished	
859XTFJP-*5 (14)	350	Eng	140				Furnished	859XTFJP-*5 (14)	340	Eng	140				Furnished	
859XWFJP-*5 (19)	285	Eng	168				Furnished	859XWFJP-*5 (19)	285	Eng	168				Furnished	
870XAFJP-*5 (15)	591	Eng	82				Furnished	870XAFJP-*3 (15)	591	Eng	82				Furnished	
870XBFJP-*5 (15)	557	Eng	87				Furnished	870XBFJP-*3 (15)	557	Eng	87				Furnished	
870XCFJP-*5 (15)	522	Eng	93				Furnished	870XCFJP-*3 (15)	522	Eng	93				Furnished	
870XDFJP-*5 (15)	490	Eng	99				Furnished	870XDFJP-*3 (15)	490	Eng	99				Furnished	
870XEFJP-*5 (15)	429	Eng	113				Furnished	870XEFJP-*3 (15)	429	Eng	113				Furnished	
870XFFJP-*5 (15)	379	Eng	128				Furnished	870XFFJP-*3 (15)	379	Eng	128				Furnished	
870XGFJP-*5 (15)	334	Eng	145				Furnished	870XGFJP-*3 (15)	334	Eng	145				Furnished	
870XHFJP-*5 (15)	315	Eng	154				Furnished	870XHFJP-*3 (15)	315	Eng	154				Furnished	
870XJFJP-*5 (15)	295	Ena	164				Furnished	870XJFJP-*3 (15)	295	Ena	164				Furnished	

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859 and 870/877 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: The 3700 and MD3070 have P.T.O. Availability on the Left-Side Only. The Right-Side is Utilized by OE Equipment. The Transfer Case is Integral to the Transmission

NOTE: 870 Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

(5) Input Gear Part No. 5-P-1173
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160
(11) Input Gear Part No. 5-P-1161

(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1212
(15) Input Gear Part No. 5-P-1428
(17) Input Gear Part No. 5-P-1409

(18) Input Gear Part No. 5-P-1394 (19) Input Gear Part No. 5-P-1309

January 2012



4.2.54

CHELSEA[®]

Α	LI	'	1	9
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4700	4800
4700 EVS	4800 EVS
4700 OFS	4800 SP
4700 RDS	
4700 SP	

TRANSMISSION GEAR DATA: TRANSMISSION GEAR DATA: L.H. 10-Bolt Opening Gear FORWARD of Centerline TOP 10-Bolt Opening Gear FORWARD of Centerline										
L.H. 10-Bolt Opening Gear FORWARD of Centerline TOP 10-Bolt Opening Gear FORWARD of Centerline										
•		TOP 10-Bolt Opening Gear FORWARD of Centerline								
97 Teeth - L.H. HELIX 97 Teeth - L.H. HELIX										
1.7799" (45.2100MM) 1.7799" (45.2100MM)										
Operations: A multipation: A munerical Degratical for B T O. Operators: Ohoff Operate: A house (
Caution: Application Approval Required for P.I.O. Output Shaft Speeds Above A	2000 6	K.P.IVI.								
LEFT Side Inter. Dir. Engine %	Adapter	.								
P.T.O. Model Torq. Rot. Hi Rev Filler Block Assy. Stud Kit P.T.O. Model Torq. Rot. Hi Rev Filler Block	Assy.	Stud Kit								
ONE SPEED - TWO GEAR - CONSTANT MESH										
267SBFJP-*5 (1) 402 Eng 103 Eurnished 267SBFJP-*3 (1) 402 Eng 103		Furnished								
267SDFJP-5 (2) 390 Eng 123 Furnished 267SDFJP-3 (2) 390 Eng 123		Furnished								
267SGFJP-*5 (3) 360 Eng 147 Furnished 267SGFJP-*3 (3) 360 Eng 147		Furnished								
267SMFJP-*5 (4) 318 Eng 184 Furnished 267SMFJP-*3 (4) 318 Eng 184		Furnished								
267SSFJP-*5 (5) 265 Eng 229 Furnished 267SSFJP-*3 (5) 265 Eng 229		Furnished								
267XBFJP-*5 (6) 335 Eng 103 Furnished 267XBFJP-*3 (6) 335 Eng 103		Furnished								
267XDFJP-*5 (7) 325 Eng 123 Furnished 267XDFJP-*3 (7) 325 Eng 123		Furnished								
267XGFJP-*5 (8) 300 Eng 147 Furnished 267XGFJP-*3 (8) 300 Eng 147		Furnished								
267XMFJP-*5 (9) 265 Eng 184 Furnished 267XMFJP-*3 (9) 265 Eng 184		Furnished								
267XSFJP-*5 (5) 250 Eng 229 Furnished 267XSFJP-*3 (5) 250 Eng 229		Furnished								
269SBFJW-*3 (1) 402 Eng 97 Furnished 269SBFJW-*3 (1) 402 Eng 97		Furnished								
269SDFJW-*3 (2) 390 Eng 115 Furnished 269SDFJW-*3 (2) 390 Eng 115		Furnished								
269SGFJW-*3 (3) 360 Eng 137 Furnished 269SGFJW-*3 (3) 360 Eng 137		Furnished								
269SMFJW-*3 (4) 318 Eng 170 Furnished 269SMFJW-*3 (4) 318 Eng 170		Furnished								
269XBFJW-*3 (6) 325 Eng 97 Furnished 269XBFJW-*3 (6) 325 Eng 97		Furnished								
269XDFJW-*3 (7) 335 Eng 115 Furnished 269XDFJW-*3 (7) 335 Eng 115		Furnished								
269XGFJW-*3 (8) 300 Eng 137 Furnished 269XGFJW-*3 (8) 300 Eng 137		Furnished								
269XMFJW-*3 (9) 265 Eng 170 Furnished 269XMFJW-*3 (9) 265 Eng 170		Furnished								
867XGFJP-*5 (10) 575 Eng 108 Furnished 867XGFJP-*5 (10) 575 Eng 108		Furnished								
867XMFJP-*5 (11) 490 Eng 139 Furnished 867XMFJP-*5 (11) 490 Eng 139		Furnished								
867XRFJP-*5 (12) 410 Eng 167 Furnished 867XRFJP-*5 (12) 410 Eng 167		Furnished								
877XAFJP-*5 (14) 591 Eng 116 Furnished 867XSFJP-*5 (13) 375 Eng 183		Furnished								
877XBFJP-*5 (14) 552 Eng 124 Furnished 877XAFJP-*3 (14) 591 Eng 116		Furnished								
877XCFJP-*5 (14) 515 Eng 133 Furnished 877XBFJP-*3 (14) 552 Eng 124		Furnished								
877XDFJP-*5 (14) 482 Eng 142 Furnished 877XCFJP-*3 (14) 515 Eng 133		Furnished								
877XEFJP-*5 (14) 425 Eng 161 Furnished 877XDFJP-*3 (14) 482 Eng 142		Furnished								

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 892/899 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 892 and 870 Series Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 892/899 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

January 2012

Parker Chelsea

ALL-19

4700	4800
4700 EVS	4800 EVS
4700 OFS	4800 SP
4700 RDS	
4700 SP	

LEFT SIDE ONLY								TOP SIDE ONLY								
TRANSMISSION GEAR DATA:								TRANSMISSION GEAR DATA:								
L.H. 10-Bolt Ope	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline								
97 Teeth - L.H. HELIX							97 Teeth - L.H	H. HELIX								
	TO A		THR	FFΔC	CE.						TUR	F F A C	CE.			
1.7799" (45.210	OMM)							1.7799" (45.2100MM)								
Caution: A	hppl	icati	ion	App	roval Re	auire	d for P	TO Output Shaft Speeds Above 2500 P.P.M.								
ouddon <i>r</i>	'PP'	loat		U PP		, qui o						040				
LEFT Side	Inter.	Dir.	Eng	ine %	Ciller Block	Adapter	Churd Kit	TOP Side	Inter.	Dir.	Eng	ine %	Filler Block	Adapter	Churd Kit	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Mode	Torq.	Rot.	ні	Rev	Filler Block	Assy.	Stud Kit	
				ONF	SPEE	אד - ר			STAN	JT N	IES	H				
877XFE.IP-*5 (14)	376	Ena	182			9 - 11		877XEE.IP-*3 (14)	425	Eng	161				Furnished	
0/////0/ 0(14)	0.0	29	.02				1 unioned	877XFFJP-*3 (14)	376	Eng	182				Furnished	
ONE SPEED - TWO GEAR - POWERSHIET (HYDRAULUC)																
277SBE IP-*5 (1)	402	Eng	103			10 01	Eurnished	277SBE.IP-*5 (1)	402	Eng	103		•/		Furnished	
277SDFJP-*5 (2)	390	Eng	123				Furnished	277SDFJP-*5 (2)	390	Eng	123				Furnished	
277SGFJP-*5 (3)	360	Eng	147				Furnished	277SGFJP-*5 (3)	360	Eng	147				Furnished	
277SMFJP-*5 (4)	318	Eng	184				Furnished	277SMFJP-*5 (4)	318	Eng	184				Furnished	
277SSFJP-*5 (5)	265	Eng	229				Furnished	277SSFJP-*5 (5)	265	Eng	229				Furnished	
277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBFJP-*5 (6)	335	Eng	103				Furnished	
277XDFJP-*5 (7)	325	Eng	123				Furnished	277XDFJP-*5 (7)	325	Eng	123				Furnished	
277XGFJP-*5 (8)	300	Eng	147				Furnished	277XGFJP-*5 (8)	300	Eng	147				Furnished	
277XMFJP-*5 (9)	265	Eng	184				Furnished	277XMFJP-*5 (9)	265	Eng	184				Furnished	
277XSFJP-*5 (5)	250	Eng	229				Furnished	277XSFJP-*5 (5)	250	Eng	229				Furnished	
278SBFJP-*3 (1)	402	Eng	97				Furnished	278SBFJP-*3 (1)	402	Eng	97				Furnished	
278SDFJP-*3 (2)	390	Eng	115				Furnished	278SDFJP-*3 (2)	390	Eng	115				Furnished	
278SGFJP-*3 (3)	360	Eng	137				Furnished	278SGFJP-*3 (3)	360	Eng	137				Furnished	
278SMFJP-*3 (4)	318	Eng	170				Furnished	278SMFJP-*3 (4)	318	Eng	170				Furnished	
278SSFJP-*3 (5)	265	Eng	210				Furnished	278SSFJP-*3 (5)	265	Eng	210				Furnished	
278XBFJP-*3 (6)	335	Eng	97				Furnished	278XBFJP-*3 (6)	335	Eng	97				Furnished	
278XDFJP-*3 (7)	325	Eng	115				Furnished	278XDFJP-*3 (7)	325	Eng	115				Furnished	
278XGFJP-*3 (8)	300	Eng	137				Furnished	278XGFJP-*3 (8)	300	Eng	137				Furnished	
278XMFJP-*3 (9)	265	Eng	170				Furnished	278XMFJP-*3 (9)	265	Eng	170				Furnished	
278XSFJP-*3 (5)	250	Eng	210				Furnished	278XSFJP-*3 (5)	250	Eng	210				Furnished	
859XGFJP-*5 (10)	575	Eng	108				Furnished	859XGFJP-*5 (10)) 575	Eng	108				Furnished	
859XJFJP-*5 (15)	525	Eng	123				Furnished	859XJFJP-*5 (15)	525	Eng	123				Furnished	

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

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NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 892/899 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 892 and 870 Series Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications.

NOTE: 892/899 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

Input Gear Part No. 5-P-1350
 Input Gear Part No. 5-P-1293
 Input Gear Part No. 5-P-1225
 Input Gear Part No. 5-P-1351
 Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(14) Input Gear Part No. 5-P-1428 (15) Input Gear Part No. 5-P-1394

January 2012



4.2.56

CHELSEA®

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4700	4800
4700 EVS	4800 EVS
4700 OFS	4800 SP
4700 RDS	
4700 SP	

LEFT SIDE ONLY								TOP SIDE ONLY							
TRANSMISSION GEAR DATA:								TRANSMISSION GEAR DATA:							
L.H. 10-Bolt Op	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline							
97 Teeth - L.H. HELIX							97 Teeth - L.H.	HELIX							
								: то /		тпр		· E ·			
1.7799" (45.2100MM)							1.7799" (45.2100MM)								
Caution: A	\ppl	icati	ion .	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sh	naft \$	Spe	eds	Above 2	2500 F	R.P.M.
LEFT Side	Inter.	Dir.	Eng	ine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter	
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit
		0	NE	SPE	ED - T	NO GI	EAR - I	POWERSH	IFT	(HYI			C)		
859XMFJP-*5 (11)	490	Eng	139	•••			Furnished	859XMFJP-*5 (11)	490	Eng	139				Furnished
870XAFJP-*5 (14)	591	Eng	116				Furnished	859XRFJP-*5 (12)	410	Eng	167				Furnished
870XBFJP-*5 (14)	552	Eng	124				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished
870XCFJP-*5 (14)	515	Eng	133				Furnished	870XAFJP-*3 (14)	591	Eng	116				Furnished
870XDFJP-*5 (14)	482	Eng	142				Furnished	870XBFJP-*3 (14)	552	Eng	124				Furnished
870XEFJP-*5 (14)	425	Eng	161				Furnished	870XCFJP-*3 (14)	515	Eng	133				Furnished
870XFFJP-*5 (14)	376	Eng	182				Furnished	870XDFJP-*3 (14)	482	Eng	142				Furnished
								870XEFJP-*3 (14)	425	Eng	161				Furnished
								870XFFJP-*3 (14)	376	Eng	182				Furnished
		(ONE	SP	<u>EED - P</u>	OWE	RSHIF	<u>T (HYD) EX</u>	(TEN	IDE	D S	HAF	Т		
892HAFJW-*5 (14)	591	Eng	116				Furnished	892UAFJW-*5 (14)	591	Eng	116				Furnished
892HBFJW-*5 (14)	552	Eng	124				Furnished	892UBFJW-*5 (14)	552	Eng	124				Furnished
892HCFJW-*5 (14)	515	Eng	133				Furnished	892UCFJW-*5 (14)	515	Eng	133				Furnished
892HDFJW-*5 (14)	482	Eng	142				Furnished	892UDFJW-*5 (14)	482	Eng	142				Furnished
892HEFJW-*5 (14)	425	Eng	161				Furnished	892UEFJW-*5 (14)	425	Eng	161				Furnished
892HFFJW-*5 (14)	376	Eng	182				Furnished	892UFFJW-*5 (14)	376	Eng	182				Furnished
			ON	E S	PEED -	CONS	TANT	MESH EXT	ΓΕΝ	DED	SH	IAF1	Ē		
899HAFJW-*5 (14)	591	Eng	116				Furnished	899UAFJW-*5 (14)	591	Eng	116				Furnished
899HBFJW-*5 (14)	552	Eng	124				Furnished	899UBFJW-*5 (14)	552	Eng	124				Furnished
899HCFJW-*5 (14)	515	Eng	133				Furnished	899UCFJW-*5 (14)	515	Eng	133				Furnished
899HDFJW-*5 (14)	482	Eng	142				Furnished	899UDFJW-*5 (14)	482	Eng	142				Furnished
899HEFJW-*5 (14)	425	Eng	161				Furnished	899UEFJW-*5 (14)	425	Eng	161				Furnished
899HFFJW-*5 (14)	376	Eng	182				Furnished	899UFFJW-*5 (14)	376	Eng	182				Furnished

Allison

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NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

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NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(11) Input Gear Part No. 5-P-1161 (12) Input Gear Part No. 5-P-1162 (13) Input Gear Part No. 5-P-1392



January 2012

Der Ker Chelsea

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LEFT SIDE ONLY								TOP SIDE ONLY								
TRANSMISS	SION	GEA		TA:				TRANSMISSION GEAR DATA:								
L.H. 10-Bolt Op	ening	Gear F	ORWA	RD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline								
97 Teeth - L H								97 Teeth - I H HELIX								
			тпрі		`C·											
1.7799" (45.2100MM)							1.7799" (45.2100MM)									
Contions Application Approval Dequired for D							T.O. Output Shoft Speeds Above 2500 D.D.M.									
	v hhi	ICali		Abb	IOVAI RE	quire		. 1.0. Outpt	ມເວກ		spe	eus	Above	2300 F	 .	
LEFT Side	Inter	Dia	Engi	ine %		Adamtan		TOP Side	Inter	Die	Eng	ine %		Adaptar		
RTO Model	Torq.	Rot.		D	Filler Block	Adapter Assy.	Stud Kit		Torq.	Rot.		David	Filler Block	Assy.	Stud Kit	
F.I.O. Model			н	Rev				P.I.O. NIOUEI			н	Rev				
				ONE	<u>E SPEEI</u>	<u>D - TV</u>	<u>VO GE/</u>	<u> AR - CONS</u>	<u>TAN</u>	<u>IT N</u>	IES	H				
267SBFJP-*5 (1)	402	Eng	103				Furnished	267SBFJP-*3 (1)	402	Eng					Furnished	
267SDFJP-*5 (2)	390	Eng	123				Furnished	267SDFJP-*3 (2)	390	Eng	123				Furnished	
267SGFJP-*5 (3)	360	Eng	147				Furnished	267SGFJP-*3 (3)	360	Eng	147				Furnished	
267SMFJP-*5 (4)	318	Eng	184				Furnished	267SMFJP-*3 (4)	318	Eng	184				Furnished	
267SSFJP-*5 (5)	265	Eng	229				Furnished	267SSFJP-*3 (5)	265	Eng	229				Furnished	
267XBFJP-*5 (6)	335	Eng	103				Furnished	267XBFJP-*3 (6)	335	Eng	103				Furnished	
267XDFJP-*5 (7)	325	Eng	123				Furnished	267XDFJP-*3 (7)	325	Eng	123				Furnished	
267XGFJP-*5 (8)	300	Eng	147				Furnished	267XGFJP-*3 (8)	300	Eng	147				Furnished	
267XMFJP-*5 (9)	265	Eng	184				Furnished	267XMFJP-*3 (9)	265	Eng	184				Furnished	
267XSFJP-*5 (5)	250	Eng	229				Furnished	267XSFJP-*3 (5)	250	Eng	229				Furnished	
269SBFJW-*3 (1)	402	Eng	97				Furnished	269SBFJW-*3 (1)	402	Eng	97				Furnished	
269SDFJW-*3 (2)	390	Eng	115				Furnished	269SDFJW-*3 (2)	390	Eng	115				Furnished	
269SGFJW-*3 (3)	360	Eng	137				Furnished	269SGFJW-*3 (3)	360	Eng	137				Furnished	
269SMFJW-*3 (4)	318	Eng	170				Furnished	269SMFJW-*3 (4)	318	Eng	170				Furnished	
269XBFJW-*3 (6)	335	Eng	97				Furnished	269XBFJW-*3 (6)	335	Eng	97				Furnished	
269XDFJW-*3 (7)	335	Eng	115				Furnished	269XDFJW-*3 (7)	335	Eng	115				Furnished	
269XGFJW-*3 (8)	300	Eng	137				Furnished	269XGFJW-*3 (8)	300	Eng	137				Furnished	
269XMFJW-*3 (9)	300	Eng	170				Furnished	269XMFJW-*3 (9)	300	Eng	170				Furnished	
867XGFJP-*5 (10)	575	Eng	108				Furnished	867XGFJP-*5 (10)	575	Eng	108				Furnished	
867XMFJP-*5 (11)	490	Eng	139				Furnished	867XMFJP-*5 (11)	490	Eng	139				Furnished	
867XRFJP-*5 (12)	410	Eng	167				Furnished	867XRFJP-*5 (12)	410	Eng	167				Furnished	
877XAFJP-*5 (14)	591	Eng	116				Furnished	867XSFJP-*5 (13)	375	Eng	183				Furnished	
877XBFJP-*5 (14)	552	Eng	124				Furnished	877XAFJP-*3 (14)	591	Eng	116				Furnished	
877XCFJP-*5 (14)	515	Eng	133				Furnished	877XBFJP-*3 (14)	552	Eng	124				Furnished	
877XDFJP-*5 (14)	482	Eng	142				Furnished	877XCFJP-*3 (14)	515	Eng	133				Furnished	
877XEFJP-*5 (14)	425	Eng	161				Furnished	877XDFJP-*3 (14)	482	Eng	142				Furnished	

Continued Next Page

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(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

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(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

January 2012

Parker Chelsea

4.2.58



			LΞ	T S	IDE (ONLY			TOP SIDE ONLY										
Ĩ	TRANSMIS L.H. 10-Bolt O 97 Teeth - L.H	Centerline		TRANSMISSION GEAR DATA: TOP 10-Bolt Opening Gear FORWARD of Centerline															
PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)										PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)									
	Caution:	Appl	icat	ion	Арр	roval Re	equire	d for P	. T.O .	Outp	ut Sh	aft \$	Spe	eds	Above 2	2500 F	R.P.M.		
	LEFT Side	Inter.	Dir.	Eng	jine %		Adapter	_	ТОР	Side	Inter.	Dir.	Engine %			Adapter			
	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O.	Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
					ON	SPEE	D - TV	VO GE	AR - (CONS		ТМ	IESI	-					
	877XFFJP-*5 (14)) 376	Eng	182				Furnished	877XEFJ 877XFFJ	P-*3 (14) P-*3 (14)	425 376	Eng Eng	161 182				Furnished Furnished		
	ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)																		
	277SBFJP-*5 (1)	402	Eng	103				Furnished	277SBFJ	P-*5 (1)	402	Eng	103				Furnished		
	277SDFJP-*5 (2)	390	Eng	123				Furnished	277SDFJ	P-*5 (2)	390	Eng	123				Furnished		
	277SGFJP-*5 (3)	360	Eng	147				Furnished	277SGFJ	IP-*5 (3)	360	Eng	147				Furnished		
	277SMFJP-*5 (4)	318	Eng	184				Furnished	277SMFJ	JP-*5 (4)	318	Eng	184				Furnished		
	277SSFJP-*5 (5)	265	Eng	229				Furnished	277SSFJ	P-*5 (5)	265	Eng	229				Furnished		
	277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBFJ	P-*5 (6)	335	Eng	103				Furnished		
	277XDFJP-^5 (7)	325	Eng	123				Furnished	277XDFJ	P-^5 (7)	325	Eng	123				Furnished		
	277XGFJP-^5 (8)	300	Eng	147				Furnished	277XGFJ	IP-^5 (8)	300	Eng	147				Furnished		
	277XMFJP-^5 (9)	265	Eng	184				Furnished	277XMFJ	JP-^5 (9)	265	Eng	184				Furnished		
	27785FJP-*5 (5)	250	Eng	229				Furnished	277800EU	P-"5 (5)	250	Eng	229				Furnished		
	2703DFJF- 3 (1)	200	Eng	97				Furnished	2700DE1	r- 3 (1)	200	Eng	97				Furnished		
	278SCE ID *3 (2)	390	Eng	137				Furnished	2789CE	ID *3 (2)	360	Eng	137				Furnished		
	278SME ID *3 (4)	318	Eng	170				Furnished	278SME	IP *3 (J)	318	Eng	170				Furnished		
	27888F IP-*3 (5)	265	Eng	210				Furnished	2785551	P_*3 (5)	265	Eng	210				Furnished		
	278XBE IP-*3 (6)	335	Eng	97				Furnished	278XBF1	P_*3 (6)	335	Eng	97				Furnished		
	278XDE IP-*3 (7)	325	Eng	115				Furnished		P_*3 (7)	325	Eng	115				Furnished		
	278XGE.IP-*3 (8)	300	Eng	137				Furnished	278XGE	IP-*3 (8)	300	Eng	137				Furnished		
	278XME.IP-*3 (9)	265	Eng	170				Furnished	278XME	IP-*3 (9)	265	Eng	170				Furnished		
	278XSFJP-*3 (5)	250	Eng	210				Furnished	278XSF.I	P-*3 (5)	250	Ena	210				Furnished		
	859XGFJP-*5 (10)) 575	Eng	108				Furnished	859XGE	IP-*5 (10)	575	Ena	108				Furnished		
	859XJFJP-*5 (15)) 525	Eng	123				Furnished	859XJFJI	P-*5 (15)	525	Eng	123				Furnished		
	(- /		<u> </u>							· · · ·		<u> </u>							

Continued Next Page

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the 'P.T.O. Request' and 'P.T.O. Enable Output' feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 892/899 Series ñ The Hose Assemblies are included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 892 and 870 Series Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications

NOTE: 892/899 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(1) Input Gear Part No. 5-P-1350
(2) Input Gear Part No. 5-P-1293
(3) Input Gear Part No. 5-P-1225
(4) Input Gear Part No. 5-P-1351
(5) Input Gear Part No. 5-P-1173

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(14) Input Gear Part No. 5-P-1428 (15) Input Gear Part No. 5-P-1394

January 2012

Parker Chelsea

4.2.59

Furnished

		LE	FT S	IDE (ONLY			TOP SIDE ONLY										
TDANSMICS		GEA	^ ם	ТЛ٠				TRANSMISSION GEAR DATA										
L H 10-Bolt Ope		Gear F		ARD of	Centerline													
07 Tooth I H I		ocur i	01007		Ochternite													
					о г .			9/ I eeth - L.H. HELIX										
1.7799" (45.210	OMM)	APER	TUR	EFAG	JE:			PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)										
Caution: A	\ppl	icat	ion	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sh	naft	Spe	eds	Above 2	2500 F	R.P.M.			
I EET Side			Eng	ine %				TOP Side			Engi	ine %		Adapter Assy.				
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block		Stud Kit			
				SDF				POWERSH					C)					
850YME ID *5 (11)	490	Eng	130				Eurnished	850YME ID *5 (11)	400	Eng	130		<u>vj</u>		Eurpiched			
870XAFJP-*5 (14)	-30 591	Eng	116				Furnished	859XRFJP-*5 (12)	410	Eng	167				Furnished			
870XBFJP-*5 (14)	552	Eng	124				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished			
870XCFJP-*5 (14)	515	Eng	133				Furnished	870XAFJP-*3 (14)	591	Eng	116				Furnished			
870XDFJP-*5 (14)	482	Eng	142				Furnished	870XBFJP-*3 (14)	552	Eng	124				Furnished			
870XEFJP-*5 (14)	425	Eng	161				Furnished	870XCFJP-*3 (14)	515	Eng	133				Furnished			
870XFFJP-*5 (14)	376	Eng	182				Furnished	870XDFJP-*3 (14)	482	Eng	142				Furnished			
								870XEFJP-*3 (14)	425	Eng	161				Furnished			
								870XFFJP-*3 (14)	376	Eng	182				Furnished			
		(ONE	E SP	EED - P	OWE	RSHIF	T (HYD) EX		IDE	D S	HAF	Т					
892CAFJW-*3 (14)	591	Eng	116				Furnished	892UAFJW-*5 (14)	591	Eng	116				Furnished			
892CBFJW-*3 (14)	552	Eng	124				Furnished	892UBFJW-*5 (14)	552	Eng	124				Furnished			
892CCFJW-*3 (14)	515	Eng	133				Furnished	892UCFJW-*5 (14)	515	Eng	133				Furnished			
892CDFJW-*3 (14)	482	Eng	142				Furnished	892UDFJW-*5 (14)	482	Eng	142				Furnished			
892CEFJW-*3 (14)	425	Eng	161				Furnished	892UEFJW-*5 (14)	425	Eng	161				Furnished			
892CFFJW-*3 (14)	376	Eng	182				Furnished	892UFFJW-*5 (14)	376	Eng	182				Furnished			
			ON	E S	PEED -	CONS	TANT	MESH EX	TEN	DED) SH	AFT	-					
899CAFJW-*3 (14)	591	Eng	116				Furnished	899UAFJW-*5 (14)	591	Eng	116				Furnished			
899CBFJW-*3 (14)	552	Eng	124				Furnished	899UBFJW-*5 (14)	552	Eng	124				Furnished			
899CCFJW-*3 (14)	515	Eng	133				Furnished	899UCFJW-*5 (14)	515	Eng	133				Furnished			
899CDFJW-*3 (14)	482	Eng	142				Furnished	899UDFJW-*5 (14)	482	Eng	142				Furnished			
899CEFJW-*3 (14)	425	Eng	161				Furnished	899UEFJW-*5 (14)	425	Eng	161				Furnished			

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the 'P.T.O. Request' and 'P.T.O. Enable Output' feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

Furnished 899UFFJW-*5 (14) 376 Eng

182

CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 892/899 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 892 and 870 Series Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications

NOTE: 892/899 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

899CFFJW-*3 (14) 376 Eng

182

January 2012

Parker Chelsea



4700 w/Retarder 4800 w/Retarder

		LEF	FT S	ide (ONLY			TOP SIDE ONLY												
	TRANSMISSION GEAR DATA:									TRANSMISSION GEAR DATA:										
		Geari	URW/		Centenine															
97 Teeth - L.H.	HELIX							97 Teeth - L.H. HELIX												
PITCH LINE 1.7799" (45.210	E TO A DOMM)	APER	TUR	E FAG	CE:			PITCH LINE TO APERTURE FACE: 1.7799" (45.2100MM)												
Caution:	Appl	icati	ion	Арр	roval Re	quire	d for P	.T.O. Outp	out Sh	naft	Spe	eds	Above 2	2500 F	R.P.M.					
LEFT Side	Inter.	Engine %		ine %		Adapter		TOP Side	Inter.	Dir.	Eng	ine %		Adapter						
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit					
				ONF		ти			STAN	JT N		H								
267SBE IP-*5 (1)	402	Fna	103				Furnished	267SBE IP-*3 (1)	402	Eng	103				Furnished					
267SDFJP-*5 (2)	390	Eng	123				Furnished	267SDFJP-*3 (2)	402	Eng	103				Furnished					
267SGFJP-*5 (3)	360	Eng	147				Furnished	267SGFJP-*3 (3)	360	Eng	147				Furnished					
267SMFJP-*5 (4)	318	Eng	184				Furnished	267SMFJP-*3 (4)	318	Eng	184				Furnished					
267SSFJP-*5 (5)	265	Eng	229				Furnished	267SSFJP-*3 (5)	265	Eng	229				Furnished					
267XBFJP-*5 (6)	335	Eng	103				Furnished	267XBFJP-*3 (6)	335	Eng	103				Furnished					
267XDFJP-*5 (7)	325	Eng	123				Furnished	267XDFJP-*3 (7)	325	Eng	123				Furnished					
267XGFJP-*5 (8)	300	Eng	147				Furnished	267XGFJP-*3 (8)	300	Eng	147				Furnished					
267XMFJP-*5 (9)	265	Eng	184				Furnished	267XMFJP-*3 (9)	265	Eng	184				Furnished					
267XSFJP-*5 (5)	250	Eng	229				Furnished	267XSFJP-*3 (5)	250	Eng	229				Furnished					
269SBFJW-*3 (1)	402	Eng	97				Furnished	269SBFJW-*3 (1)	402	Eng	97				Furnished					
269SDFJW-*3 (2)	390	Eng	115				Furnished	269SDFJW-*3 (2)	390	Eng	115				Furnished					
269SGFJW-*3 (3)	360	Eng	137				Furnished	269SGFJW-*3 (3)	360	Eng	137				Furnished					
269SMFJW-*3 (4)	318	Eng	170				Furnished	269SMFJW-*3 (4)) 318	Eng	170				Furnished					
269XBFJW-*3 (6)	335	Eng	97				Furnished	269XBFJW-*3 (6)	335	Eng	97				Furnished					
269XDFJW-*3 (7)	335	Eng	115				Furnished	269XDFJW-*3 (7)	335	Eng	115				Furnished					
269XGFJW-*3 (8)	300	Eng	137				Furnished	269XGFJW-*3 (8)	300	Eng	137				Furnished					
269XMFJW-*3 (9)	300	Eng	170				Furnished	269XMFJW-*3 (9)) 300	Eng	170				Furnished					
867XGFJP-*5 (10)	575	Eng	108				Furnished	867XGFJP-*5 (10) 575	Eng	108				Furnished					
867XMFJP-*5 (11)	490	Eng	139				Furnished	867XMFJP-*5 (11) 490	Eng	139				Furnished					
867XRFJP-*5 (12)	410	Eng	167				Furnished	867XRFJP-*5 (12) 410	Eng	167				Furnished					
877XAFJP-*5 (14)	591	Eng	116				Furnished	867XSFJP-*5 (13)) 375	Eng	183				Furnished					
877XBFJP-*5 (14)	552	Eng	124				Furnished	877XAFJP-*3 (14)) 591	Eng	116				Furnished					
877XCFJP-*5 (14)	515	Eng	133				Furnished	877XBFJP-*3 (14)) 552	Eng	124				Furnished					
877XDFJP-*5 (14)	482	Eng	142				Furnished	877XCFJP-*3 (14) 515	Eng	133				Furnished					
877XEFJP-*5 (14)	425	Eng	161				Furnished	877XDFJP-*3 (14) 482	Eng	142				Furnished					

Continued Next Page

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NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(1) Input Gear Part No. 5-P-1350	(
(2) Input Gear Part No. 5-P-1293	(
(3) Input Gear Part No. 5-P-1225	(
(4) Input Gear Part No. 5-P-1351	(
(5) Input Gear Part No. 5-P-1173	(

Parker Chelsea

(6) Input Gear Part No. 5-P-912
(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(11) Input Gear Part No. 5-P-1161
(12) Input Gear Part No. 5-P-1162
(13) Input Gear Part No. 5-P-1392
(14) Input Gear Part No. 5-P-1428

January 2012

4.2.61

ALL-19R

4700 w/Retarder 4800 w/Retarder

		LEF	TS	IDE C				TOP SIDE ONLY									
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:									
L.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline									
97 Teeth - L.H.	HELIX							97 Teeth - L.H.	HELIX								
PITCH LINE	то	APER	TUR	E FAC	CE:			PITCH LINE TO APERTURE FACE:									
1.7799" (45.210	0MM)							1.7799" (45.210	00MM)								
Caution:	Appl	icati	ion	App	roval Re	auire	d for P	T.O. Outpu	ıt Sh	aft	Spe	eds	Above	2500 F	R.P.M.		
	.66.																
LEFT Side	Inter.	Dir.	Eng	jine %		Adapter	o	TOP Side	Inter.	Dir.	Eng	ine %		Adapter	0 , 1,17,1		
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Assy.	Stud Kit		
															11		
	276	5.00	100		SPEE										To succeed a large of		
877XFFJP-"5 (14)	370	Eng	102				Furnished	877XEFJP-*3 (14) 877XFF.IP-*3 (14)	425 376	Eng	182				Furnished		
ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)																	
277SBFJP-*5 (1)	402	Eng	103				Furnished	277SBFJP-*5 (1)	402	Eng	103				Furnished		
277SDFJP-*5 (2)	390	Eng	123				Furnished	277SDFJP-*5 (2)	390	Eng	123				Furnished		
277SGFJP-^5 (3)	360	Eng	147				Furnished	277SGFJP-^5 (3)	360	Eng	147				Furnished		
277SMFJP-"5 (4)	318	Eng	184				Furnished	277SMFJP-"5 (4)	318	Eng	184				Furnished		
27755FJP-"5 (5)	205	Eng	229				Furnished	27755FJP-"5 (5)	265	Eng	229				Furnished		
277XBFJP-*5 (6)	335	Eng	103				Furnished	277XBFJP-^5 (6)	335	Eng	103				Furnished		
277XDFJP-"5 (7)	325	Eng	123				Furnished	277XDFJP-"5 (7)	325	Eng	123				Furnished		
277XGFJP-"5 (8)	300	Eng	147				Furnished	277XGFJP-*5 (8)	300	Eng	147				Furnished		
277X0F ID *5 (9)	205	Eng	184				Furnished	277X0F ID *5 (9)	265	Eng	184				Furnished		
277XSFJP- 5 (5)	250	Eng	229				Furnished	277 XSFJP- 5 (5)	250	Eng	229				Furnished		
278SBFJP-"3 (1)	402	Eng	97				Furnished	2785BFJP-"3 (1)	402	Eng	97				Furnished		
278SDFJP-"3 (2)	390	Eng	115				Furnished	278SDFJP-"3 (2)	390	Eng	115				Furnished		
2705GFJF- 3 (3)	210	Eng	170				Furnished	2703GFJF- 3 (3)	210	Eng	137				Furnished		
2765IVIFJP- 3 (4)	310	Eng	210				Furnished	2705IVIFJP- 3 (4)	310	Eng	210				Furnished		
27855FJP-"3 (5)	205	Eng	210				Furnished	27855FJP-"3 (5)	265	Eng	210				Furnished		
276XBFJP- 3 (0)	335	Eng	97				Furnished	270XBFJP- 3 (0)	335	Eng	97				Furnished		
210ADFJP- 3 (1)	325	Eng	110				Furnished	270 VOE ID (7)	320 200	Eng	110				Furnished		
210AGFJP- 3 (8)	300	Eng	137				Furnished	270XME ID *2 (0)	200	Eng	137				Furnished		
210ANIFJP- 3 (9)	200	Eng	170				rumisned	210AIVIFJP-3 (9)	200	Eng	170				Furnished		
210AOFJE- 3 (5)	250	Eng	210				Eurnished	278YSE ID *3 (5)	250	Eng	210				Eurpichod		
850YCE ID *5 (10)	250 575	Eng	210 108				Furnished	278XSFJP-*3 (5)	250 575	Eng	210				Furnished		
278XGFJP-*3 (8) 278XMFJP-*3 (9) 278XSFJP-*3 (5)	300 265	Eng Eng	137 170				Furnished Furnished	278XGFJP-*3 (8) 278XMFJP-*3 (9)	300 265	Eng Eng	137 170				Furnished Furnished		

Continued Next Page

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 Input Gear Part No. 5-P-1293
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 Input Gear Part No. 5-P-1351
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(7) Input Gear Part No. 5-P-913
(8) Input Gear Part No. 5-P-914
(9) Input Gear Part No. 5-P-915
(10) Input Gear Part No. 5-P-1160

(14) Input Gear Part No. 5-P-1428 (15) Input Gear Part No. 5-P-1394

January 2012

-**Parker** Chelsea

4.2.62



4700 w/Retarder 4800 w/Retarder

		LE	FT S	IDE C	ONLY			TOP SIDE ONLY										
TRANSMISS	SION	GEA	R DA	TA:				TRANSMISSION GEAR DATA:										
L.H. 10-Bolt Op	ening	Gear F	ORWA	ARD of	Centerline			TOP 10-Bolt Opening Gear FORWARD of Centerline										
97 Teeth - L.H.	HELIX							97 Teeth - I H HELIX										
1.7799" (45.210	00MM)							1.7799" (45.2100MM)										
Caution: A	Appl	icat	ion	Арр	roval Re	equire	d for P	.T.O. Outpu	ut Sh	naft	Spe	eds	Above	2500 F	R.P.M.			
LEFT Side	Inter	Dire	Eng	ine %		Adamtan		TOP Side	Inter	Di=	Eng	jine %		Adamtan				
P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Torq.	Rot.	Hi	Rev	Filler Block	Adapter Assy.	Stud Kit			
		0	NE	SPE	ED - T\	NO GI	EAR - I	POWERSH	IFT	(HY	DR/		IC)		1			
859XMFJP-*5 (11)	490	Eng	139				Furnished	859XMFJP-*5 (11)	490	Eng	139				Furnished			
870XAFJP-*5 (14)	591	Eng	116				Furnished	859XRFJP-*5 (12)	410	Eng	167				Furnished			
870XBFJP-*5 (14)	552	Eng	124				Furnished	859XSFJP-*5 (13)	375	Eng	183				Furnished			
870XCFJP-*5 (14)	515	Eng	133				Furnished	870XAFJP-*3 (14)	591	Eng	116				Furnished			
870XDFJP-*5 (14)	482	Eng	142				Furnished	870XBFJP-*3 (14)	552	Eng	124				Furnished			
870XEFJP-*5 (14)	425	Eng	161				Furnished	870XCFJP-*3 (14)	515	Eng	133				Furnished			
870XFFJP-*5 (14)	376	Eng	182				Furnished	870XDFJP-*3 (14)	482	Eng	142				Furnished			
								870XEFJP-*3 (14)	425	Eng	161				Furnished			
								870XFFJP-*3 (14)	376	Eng	182				Furnished			
		(ONE	E SP	EED - P	OWE	RSHIF	T (HYD) EX	(TEN	IDE	DS	HAF	T					
892JAFJW-*3 (14)	591	Eng	116				Furnished	892KAFJW-*5 (14)	591	Eng	116				Furnished			
892JBFJW-*3 (14)	552	Eng	124				Furnished	892KBFJW-*5 (14)	552	Eng	124				Furnished			
892JCFJW-*3 (14)	515	Eng	133				Furnished	892KCFJW-*5 (14)	515	Eng	133				Furnished			
892JDFJW-*3 (14)	482	Eng	142				Furnished	892KDFJW-*5 (14)	482	Eng	142				Furnished			
892JEFJW-*3 (14)	425	Eng	161				Furnished	892KEFJW-*5 (14)	425	Eng	161				Furnished			
892JFFJW-*3 (14)	376	Eng	182				Furnished	892KFFJW-*5 (14)	376	Eng	182				Furnished			
			ON	E SI	PEED -	CONS	STANT	MESH EX	TEN	DED) SH	IAF1	Γ					
899JAFJW-*3 (14)	591	Eng	116				Furnished	899KAFJW-*5 (14)	591	Eng	116				Furnished			
899JBFJW-*3 (14)	552	Eng	124				Furnished	899KBFJW-*5 (14)	552	Eng	124				Furnished			
899JCFJW-*3 (14)	515	Eng	133				Furnished	899KCFJW-*5 (14)	515	Eng	133				Furnished			
899JDFJW-*3 (14)	482	Eng	142				Furnished	899KDFJW-*5 (14)	482	Eng	142				Furnished			
899JEFJW-*3 (14)	425	Eng	161				Furnished	899KEFJW-*5 (14)	425	Eng	161				Furnished			

CAUTION: Chelsea Recommends the Power Take-Off (P.T.O.) installation on the 3000/4000 Series Transmissions to utilize a Vehicle Interface Module, or Chassis Manufacturers' equivalent controller to incorporate all the P.T.O. control features available, this includes the "P.T.O. Request" and "P.T.O. Enable Output" feature. The "P.T.O. Enable" circuit signals the Transmission Control Module (TCM) to maintain line pressure to the P.T.O. Failure to provide this signal may not be sufficient to the P.T.O. This may cause damage to the P.T.O. and /or Transmission. Please see the Allison Transmission website and individual chassis manufacturer for installation details.

Furnished 899KFFJW-*5 (14) 376 Eng

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CAUTION: The Torque Rating on Certain Ratios is Restricted by Allison Transmission to a Torque Limit of 685 Ft.lbs on their P.T.O. Drive Gear.

NOTE: The Right Side opening is located at approximately 1 o'clock when viewed from the rear. All P.T.O.s mounted in this location require pressure lubrication.

NOTE: All models require a hose assembly. For the 267 Series, use 329130-1X for the left side and 329130-6X for the right side. For the 269, 277/278 and 867 Series, use 329130-4X for the left side and 329075-2X for the right side. THESE HOSE ASSEMBLIES MUST BE ORDERED SEPARATELY. For 859, 870/877 and 892/899 Series ñ The Hose Assemblies are Included with the Unit.

NOTE: The 267 Series is not available in the 3 arrangement with an "XK" output due to interference with the pressure lube fitting.

NOTE: 892 and 870 Series Family of P.T.O.s stated Torque is for Intermittent and Continuous Duty Applications

NOTE: 892/899 Family - The Combined Weight of Pump, Fittings and Hoses Should Not Exceed 120 Lbs. Refer to Owner's Manual (HY25-1890-M1/US) for Complete Details.

NOTE: Do not use Adapter Gear Assemblies on Allison 3000/4000 Series Automatic Transmissions.

(11) Input Gear Part No. 5-P-1161(12) Input Gear Part No. 5-P-1162(13) Input Gear Part No. 5-P-1392

899JFFJW-*3 (14) 376 Eng

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(14) Input Gear Part No. 5-P-1428

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

Furnished