

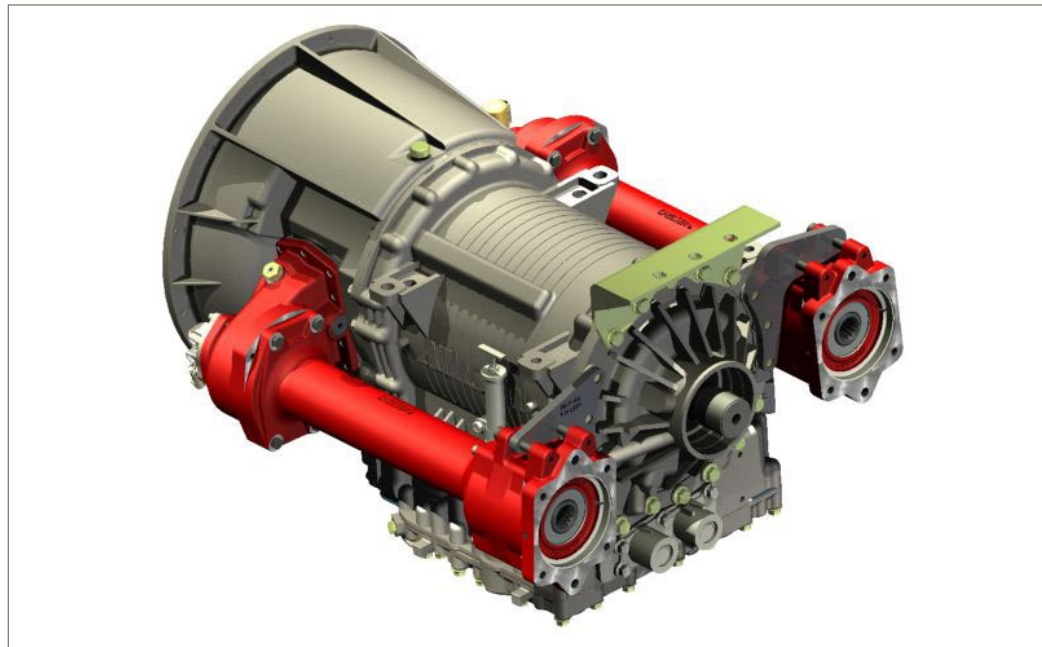
890 Series

New Chelsea® 890 Series for
Allison 3000/4000 Transmissions



Overview:

The 890 Series Power Take-Off (P.T.O.) is mounted between the transmission and the frame rail of the truck. It mounts like a standard side mounted P.T.O. with an additional bracket at the rear of the transmission. It places the output of the P.T.O. beyond the rear of the transmission where there is extra space. The 890 Series is a single unit, not a P.T.O. with an extension, the main shaft is one piece eliminating the input splines between the P.T.O. and the shaft extension. The clutch has been moved to the rear of the unit to allow the housing and gear section to tuck in tightly to the transmission. The output utilizes a wet spline which eliminates fretting problems.



Contact Information:

Parker Hannifin Corporation
Chelsea Products Division
8225 Hacks Cross Road
Olive Branch, MS 38654

phone 888 PH4 TRUK
(888 744 8785)
fax 662 890 5379
chelseacustserv@parker.com

www.parker/chelsea.com

Product Features and Benefits:

- Moves the P.T.O. mounting flange to the rear of the transmission - Allows larger pumps and in some cases it will eliminate the need for a drive shaft.
- Require less space than current P.T.O.'s - Will help clear frame rails etc.
- Torque ratings up to 670 Lbs.-ft. - Allow the use of higher flow and pressure pumps.
- Current outputs –
“XS” SAE “C” 2/4 Bolt 1 1/4" - 14 Tooth,
“AF” SAE “B” 2/4 Bolt 1.0" - 15 Tooth,
“XY” DIN 5462 Pump Mounting.
- Multiple output ratios available - Allows for more efficient systems.
- The 890 Series can be installed in 2 pieces - One lighter P.T.O. housing and then the shaft.
- Single piece shaft - Eliminates the splines at the housing end of the unit.
- Wet Spline outputs - Extends shaft life. Eliminates the need to disassemble to frequently grease the splines.
- Patent Pending.



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Application Pages

ALL-13 MD 3000-3500 LH and RH openings					Std max torque 485 Lbs.-ft.				
Left Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit	Right Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit
One Speed - Two Gear - Powershift (Hydraulic)									
890LAFJW-*5 (1)	591	Eng	82	Furnished	890RAFJW-*5 (1)	591	Eng	82	Furnished
890LBFJW-*5 (2)	557	Eng	87	Furnished	890RBFJW-*5 (2)	557	Eng	87	Furnished
890LCFJW-*5 (3)	522	Eng	93	Furnished	890RCFJW-*5 (3)	522	Eng	93	Furnished
890LDFJW-*5 (4)	490	Eng	99	Furnished	890RDFJW-*5 (4)	490	Eng	99	Furnished
890LEFJW-*5 (5)	429	Eng	113	Furnished	890REFJW-*5 (5)	429	Eng	113	Furnished
890LFFJW-*5 (6)	379	Eng	128	Furnished	890RFFJW-*5 (6)	379	Eng	128	Furnished

ALL-14 HD 4000-4500 etc... LH and RH openings					Std max torque 685 Lbs.-ft.				
Left Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit	Right Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit
890HAFJW-*5 (1)	591	Eng	116	Furnished					
890HBFJW-*5 (2)	552	Eng	124	Furnished					
890HCFJW-*5 (3)	515	Eng	133	Furnished					
890HDFJW-*5 (4)	482	Eng	142	Furnished					
890HEFJW-*5 (5)	425	Eng	161	Furnished					
890HFFJW-*5 (6)	376	Eng	182	Furnished					

Not currently designed for HD top mount

ALL-16 MD-3066P					Std max torque 485 Lbs.-ft.				
Left Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit	Right Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit
890EAFJW-*5 (1)	485	Eng	100	Furnished	890TAFJW-*5 (1)	485	Eng	100	Furnished
890EBFJW-*5 (2)	458	Eng	106	Furnished	890TBFJW-*5 (2)	458	Eng	106	Furnished
890ECFJW-*5 (3)	425	Eng	114	Furnished	890TCFJW-*5 (3)	425	Eng	114	Furnished
890EDFJW-*5 (4)	401	Eng	121	Furnished	890TDFJW-*5 (4)	401	Eng	121	Furnished
890EEFJW-*5 (5)	351	Eng	138	Furnished	890TEFJW-*5 (5)	351	Eng	138	Furnished
890EFFJW-*5 (6)	311	Eng	156	Furnished	890TFJW-*5 (6)	311	Eng	156	Furnished

ALL-16EV 3000 EVS- 3500 EVS					Std max torque 485 ft lbs Left Side, 670 Lbs.-ft. top mount				
Left Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit	Top Side PTO Model	Inter Torq	Dir. Rot.	Engine % Hi	Stud Kit
890EAFJW-*5 (1)	485	Eng	100	Furnished	890TAFJW-*5 (1)	670	Eng	100	Furnished
890EBFJW-*5 (2)	458	Eng	106	Furnished	890TBFJW-*5 (2)	632	Eng	106	Furnished
890ECFJW-*5 (3)	425	Eng	114	Furnished	890TCFJW-*5 (3)	588	Eng	114	Furnished
890EDFJW-*5 (4)	401	Eng	121	Furnished	890TDFJW-*5 (4)	554	Eng	121	Furnished
890EEFJW-*5 (5)	351	Eng	138	Furnished	890TEFJW-*5 (5)	486	Eng	138	Furnished
890EFFJW-*5 (6)	311	Eng	156	Furnished	890TFJW-*5 (6)	429	Eng	156	Furnished

1	Ratio Gear	5-P-1429	4	Ratio Gear	5-P-1440
2	Ratio Gear	5-P-1438	5	Ratio Gear	5-P-1432
3	Ratio Gear	5-P-1439	6	Ratio Gear	5-P-1433