

RT-6609A
RT-7608LL
RT-8609

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

33 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

33 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0900" (27.6900MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

680XSAHX-*3 (11)	325	Opp	118					Furnished							
823XBAHX-*3 (12)	500	Opp	42					Furnished							
823XJAHX-*3 (13)	500	Opp	63					Furnished							
823XMAHX-*3 (14)	500	Opp	74					Furnished							
823XRAHX-*3 (15)	400	Opp	103					Furnished							
823XTKTX-*3 (16)	500	Opp	124		8-A-165 (2)			Furnished							
880XBAHX-*3 (17)	500	Opp	42					Furnished							
880XDAHX-*3 (18)	500	Opp	49					Furnished							
880XGAHX-*3 (19)	500	Opp	54					Furnished							
880XJAHX-*3 (20)	500	Opp	63					Furnished							
880XMAHX-*3 (21)	500	Opp	74					Furnished							
880XQAHX-*3 (22)	450	Opp	87					Furnished							
880XRAHX-*3 (23)	400	Opp	103					Furnished							
880XTAHX-*3 (24)	500	Opp	132					Furnished							

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	32			328481X	Furnished	230XAAJX-*3	250	Opp	32				Furnished
230XBAJX-*3	250	Opp	42			328481X	Furnished	230XBAJX-*3	250	Opp	42				Furnished
230XDAJX-*3	250	Opp	49			328481X	Furnished	230XDAJX-*3	250	Opp	49				Furnished
230XKAJX-*3	250	Opp	66			328481X	Furnished	230XKAJX-*3	250	Opp	66				Furnished
230XQAJX-*3	250	Opp	87			328481X	Furnished	230XQAJX-*3	250	Opp	87				Furnished
230XUAJX-*3	225	Opp	140			328481X	Furnished	230XUAJX-*3	225	Opp	140				Furnished
236ZDAH-X*3 (4)	250	Opp	64			328564X	Furnished	236XQAHX-*3 (4)	250	Opp	111				Furnished
236ZKAHX-*3 (4)	250	Opp	82			328564X	Furnished	236XUAHX-*3 (4)	225	Opp	127				Furnished
885XBAHX-*3 (17)	500	Opp	42				Furnished	236XDAH-X*3 (4)	250	Opp	64				Furnished
885XGAHX-*3 (19)	500	Opp	54				Furnished	236XKAHX-*3 (4)	250	Opp	82				Furnished
885XJAHX-*3 (20)	500	Opp	63				Furnished								
885XMAHX-*3 (21)	500	Opp	74				Furnished								

Continued Next Page

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

(2) Filler block furnished with P.T.O.
(4) Input Gear Part No. 5-P-1004
(11) Input Gear Part No. 5-P-1322
(12) Input Gear Part No. 5-P-285
(13) Input Gear Part No. 5-P-325
(14) Input Gear Part No. 5-P-283

(15) Input Gear Part No. 5-P-721
(16) Input Gear Part No. 5-P-1395
(17) Input Gear Part No. 5-P-1100
(18) Input Gear Part No. 5-P-1101
(19) Input Gear Part No. 5-P-1135
(20) Input Gear Part No. 5-P-1102

(21) Input Gear Part No. 5-P-1103
(22) Input Gear Part No. 5-P-1385
(23) Input Gear Part No. 5-P-1104
(24) Input Gear Part No. 5-P-1105

January 2008

RT-6609A
RT-7608LL
RT-8609

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

33 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

33 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0900" (27.6900MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - FORWARD & REVERSE

340SFAHX-*3 (25)	200	Opp	54	56	7-A-032(P)	328481X	Furnished	340XFAHX-*5 (25)	200	Opp	54	56	7-A-140 (2)		Furnished
340SFAHX-*5 (25)	200	Opp	54	56	7-A-032(P)	328481X	Furnished	352XSAHX-*3 (4)	140	Opp	119	154			Furnished
					7-A-140										
352ZSAHX-*3 (4)	140	Opp	119	154		328564X	Furnished								
863XBAHX-*5	500	Opp	42	52			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (4)	140	Opp	119			328564X	Furnished	452XSAHX-*3 (4)	140	Opp	119				Furnished
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GEARED ADAPTERS

628XAHX-3AH					8-A-032		Furnished	626XAHX-3AH							Furnished
								630XAHX-3AH							Furnished
								645XAHX-3AH							Furnished

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

(2) Filler block furnished with P.T.O.
(4) Input Gear Part No. 5-P-1004
(25) Input Gear Part No. 5-P-581

January 2008

FS-6106A
FS-8206A
FS-8406A

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

50 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1800" (29.9720MM)

TRANSMISSION GEAR DATA:

R.H. 8-Bolt Opening Gear FORWARD of Centerline

50 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

.9100" (23.1140MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRDUX-*3 (1)	125	Eng	78				Furnished	100XRDUX-*3 (1)	125	Eng	78				328481X	Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFDUX-*5 (2)	250	Opp	46				Furnished	442XFDUX-*3 (2)	250	Opp	46				328481X	Furnished
442XLDUX-*5 (3)	250	Opp	60				Furnished	442XLDUX-*3 (3)	250	Opp	60				328481X	Furnished
442XQDUX-*5 (3)	225	Opp	64				Furnished	442XQDUX-*3 (3)	225	Opp	64				328481X	Furnished
442XRDUX-*5 (3)	225	Opp	74				Furnished	442XRDUX-*3 (3)	225	Opp	74				328481X	Furnished
442XSDUX-*5 (3)	200	Opp	89				Furnished	442XSDUX-*3 (3)	200	Opp	89				328481X	Furnished
442XUDUX-*5 (3)	195	Opp	106				Furnished	442XUDUX-*3 (3)	195	Opp	106				328481X	Furnished
442XWDUX-*5 (3)	175	Opp	124				Furnished	442XWDUX-*3 (3)	175	Opp	124				328481X	Furnished
442XXDUX-*5 (3)	140	Opp	147				Furnished	442XXDUX-*3 (3)	140	Opp	147				328481X	Furnished
								489XFDUX-*3 (2)	250	Opp	55					Furnished
								489XLDUX-*3 (3)	250	Opp	60					Furnished
								489XQDUX-*3 (3)	225	Opp	64					Furnished
								489XRDUX-*3 (3)	225	Opp	74					Furnished
								489XSDUX-*3 (3)	200	Opp	89					Furnished
								489XUDUX-*3 (3)	195	Opp	106					Furnished
								489XWDUX-*3 (3)	175	Opp	124					Furnished
								489XXDUX-*3 (3)	140	Opp	147					Furnished
								880XMDUX-*3 (4)	500	Opp	58					Furnished
								880XRDUX-*3 (5)	400	Opp	81					Furnished
								880XTDUX-*3 (6)	350	Opp	108					Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDDUX-*5 (3)	250	Opp	49				Furnished	236XDDUX-*3 (3)	250	Opp	49				328481X	Furnished
236XKDUX-*5 (3)	250	Opp	62				Furnished	236XKDUX-*3 (3)	250	Opp	62				328481X	Furnished
236XQDUX-*5 (3)	250	Opp	83				Furnished	236XQDUX-*3 (3)	250	Opp	83				328481X	Furnished
236XUDUX-*5 (3)	225	Opp	96				Furnished	236XUDUX-*3 (3)	225	Opp	96				328481X	Furnished

ONE SPEED - FORWARD & REVERSE

340XFDUX-*5 (7)	200	Opp	42	44	7-A-140 (8)		Furnished	340XFDUX-*3 (7)	200	Opp	42	44	7-A-140 (8)		328481X	Furnished
352XSDUX-*5 (3)	140	Opp	90	116			Furnished	352XSDUX-*3 (3)	140	Opp	90	116			328481X	Furnished

ONE SPEED - DUAL SHAFT

452XSDUX-*3 (3)	140	Opp	90				Furnished	452XSDUX-*3 (3)	140	Opp	90				328481X	Furnished
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GEARED ADAPTERS

626XDUX-4HH							Furnished	628XDUX-3HH								Furnished
630XDUX-4HH							Furnished									
645XDUX-4HH							Furnished									

(1) Gear and Shaft Kit No. KXA-2-P-633

(2) Input Gear Part No. 5-P-1088

(3) Input Gear Part No. 5-P-1050

(4) Input Gear Part No. 5-P-1130

(5) Input Gear Part No. 5-P-1176

(6) Input Gear Part No. 5-P-1131

(7) Input Gear Part No. 5-P-883

(8) Filler block furnished with P.T.O.

FS-5306A
FS-5406A
FS-6206A
FS-6306A
FS-6406A

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

38 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

38 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XAESX-*5 (1)	250	Opp	32		7-A-062		Furnished	442XAESX-*3 (1)	250	Opp	32		7-A-062		Furnished
442XCESX-*5 (2)	250	Opp	41		7-A-062		Furnished	442XCESX-*3 (2)	250	Opp	41		7-A-062		Furnished
442XFESX-*5 (3)	250	Opp	51		7-A-062		Furnished	442XFESX-*3 (3)	250	Opp	51		7-A-062		Furnished
442XLESX-*5 (4)	250	Opp	66		7-A-062		Furnished	442XLESX-*3 (4)	250	Opp	66		7-A-062		Furnished
442XQESX-*5 (4)	225	Opp	71		7-A-062		Furnished	442XQESX-*3 (4)	225	Opp	71		7-A-062		Furnished
442XRESX-*5 (4)	225	Opp	82		7-A-062		Furnished	442XRESX-*3 (4)	225	Opp	82		7-A-062		Furnished
442XSESX-*5 (4)	200	Opp	98		7-A-062		Furnished	442XSESX-*3 (4)	200	Opp	98		7-A-062		Furnished
442XUESX-*5 (4)	195	Opp	117		7-A-062		Furnished	442XUESX-*3 (4)	195	Opp	117		7-A-062		Furnished
442XWESX-*5 (4)	175	Opp	138		7-A-062		Furnished	442XWESX-*3 (4)	175	Opp	138		7-A-062		Furnished
442XXESX-*5 (4)	140	Opp	163		7-A-062		Furnished	442XXESX-*3 (4)	140	Opp	163		7-A-062		Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDESX-*5 (4)	250	Opp	53		7-A-062		Furnished	236XDESX-*3 (4)	250	Opp	53		7-A-062		Furnished
236XKESX-*5 (4)	250	Opp	68		7-A-062		Furnished	236XKESX-*3 (4)	250	Opp	68		7-A-062		Furnished
236XQESX-*5 (4)	250	Opp	93		7-A-062		Furnished	236XQESX-*3 (4)	250	Opp	93		7-A-062		Furnished
236XUESX-*5 (4)	225	Opp	106		7-A-062		Furnished	236XUESX-*3 (4)	225	Opp	106		7-A-062		Furnished

ONE SPEED - FORWARD & REVERSE

340XFESX-*5 (5)	200	Opp	47	49	7-A-140 (6) 7-A-093		7170-2X	340XFESX-*5 (5)	200	Opp	47	49	7-A-140 (6) 7-A-093		7170-2X
352XSESX-*5 (4)	140	Opp	99	129	7-A-062		Furnished	352XSESX-*3 (4)	140	Opp	99	129	7-A-062		Furnished

ONE SPEED - DUAL SHAFT

452XSESX-*3 (4)	140	Opp	99		7-A-062		Furnished	452XSESX-*3 (4)	140	Opp	99		7-A-062		Furnished
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GEARED ADAPTERS

626XESX-4HL					7-A-062		Furnished	626XESX-3HL					7-A-062		Furnished
630XESX-4HL					7-A-062		Furnished	630XESX-3HL					7-A-062		Furnished
645XESX-4HL					7-A-062		Furnished	645XESX-3HL					7-A-062		Furnished

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

NOTE: Constant mesh P.T.O.s only on this application

(1) Input Gear Part No. 5-P-1285
(2) Input Gear Part No. 5-P-1292
(3) Input Gear Part No. 5-P-1092
(4) Input Gear Part No. 5-P-1059
(5) Input Gear Part No. 5-P-884
(6) Filler block furnished with P.T.O.

FS-6205A
FS-6305A

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

39 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0000" (25.4000MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

39 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0000" (25.4000MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			
ONE SPEED - TWO GEAR - MECHANICAL SHIFT															
442KAESX-*5 (1)	250	Opp	30		7-A-165		7170-3X	442KAESX-*3 (1)	250	Opp	30		7-A-165		7170-3X
442KCESX-*5 (2)	250	Opp	39		7-A-165		7170-3X	442KCESX-*3 (2)	250	Opp	39		7-A-165		7170-3X
442KFESX-*5 (3)	250	Opp	48		7-A-165		7170-3X	442KFESX-*3 (3)	250	Opp	48		7-A-165		7170-3X
442KLESX-*5 (4)	250	Opp	62		7-A-165		7170-3X	442KLESX-*3 (4)	250	Opp	62		7-A-165		7170-3X
442KQESX-*5 (4)	225	Opp	67		7-A-165		7170-3X	442KQESX-*3 (4)	225	Opp	67		7-A-165		7170-3X
447KQESX-*5 (5)	225	Opp	67		7-A-165		7170-3X	447KQESX-*3 (5)	225	Opp	67		7-A-165		7170-3X
447KSESX-*5 (6)	200	Opp	93		7-A-165		7170-3X	447KSESX-*3 (6)	200	Opp	93		7-A-165		7170-3X
447KUESX-*5 (7)	195	Opp	110		7-A-165		7170-3X	447KUESX-*3 (7)	195	Opp	110		7-A-165		7170-3X
447KWESX-*5 (8)	175	Opp	130		7-A-165		7170-3X	447KWESX-*3 (8)	175	Opp	130		7-A-165		7170-3X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236KDESX-*5 (4)	250	Opp	50		7-A-165		7170-3X	236KDESX-*3 (4)	250	Opp	50		7-A-165		7170-3X
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ONE SPEED - FORWARD & REVERSE

340XFESX-*5 (9)	200	Opp	44	46	7-A-140 (10) 7-A-200		7170-2X	340XFESX-*5 (9)	200	Opp	44	46	7-A-140 (10) 7-A-200		7170-2X
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NOTE: Use constant mesh P.T.O.s only in this application.

NOTE: The 100 Series and the 442 Series R, S, U, W, and X ratios will interfere with the adjacent gear in the transmission

(1) Input Gear Part No. 5-P-1285
(2) Input Gear Part No. 5-P-1292
(3) Input Gear Part No. 5-P-1092
(4) Input Gear Part No. 5-P-1059
(5) Input Gear Part No. 5-P-869
(6) Input Gear Part No. 5-P-870

(7) Input Gear Part No. 5-P-871
(8) Input Gear Part No. 5-P-872
(9) Input Gear Part No. 5-P-884
(10) Filler block furnished with P.T.O.

January 2008

FS-6205B

FS-6305B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

41 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

.8860" (22.5044MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

41 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

.8860" (22.5044MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

447XQETX-*5 (1)	200	Opp	82				Furnished	447XQETX-*3 (1)	200	Opp	82				Furnished
447XSETX-*5 (2)	200	Opp	113				Furnished	447XSETX-*3 (2)	200	Opp	113				Furnished
447XUETX-*5 (3)	195	Opp	134				Furnished	447XUETX-*3 (3)	195	Opp	134				Furnished
447XWETX-*5 (4)	175	Opp	158				Furnished	447XWETX-*3 (4)	175	Opp	158				Furnished

ONE SPEED - FORWARD & REVERSE

340XFETX-*5 (5)	200	Opp	44	46	7-A-140 (6) 7-A-300		7170-3X	340XFETX-*5 (5)	200	Opp	44	46	7-A-140 (6) 7-A-300		7170-3X
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- (1) Input Gear Part No. 5-P-865
(2) Input Gear Part No. 5-P-866
(3) Input Gear Part No. 5-P-867
(4) Input Gear Part No. 5-P-868
(5) Input Gear Part No. 5-P-948
(6) Filler block furnished with P.T.O.

January 2008

T-14607A

T-14607B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

78 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8650" (21.9710MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

78 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.9740" (24.7400MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489XFEVX-*5 (1)	250	Opp	57		8-A-062		Furnished	442KFEVX-*5 (1)	250	Opp	57		7-A-187		7170-3X
489XLEVX-*5 (2)	250	Opp	73		8-A-062		Furnished	442KLEVX-*5 (2)	250	Opp	73		7-A-187		7170-3X
489XQEVX-*5 (2)	225	Opp	79		8-A-062		Furnished	442KQEVX-*5 (2)	225	Opp	79		7-A-187		7170-3X
489XREVX-*5 (2)	225	Opp	92		8-A-062		Furnished	442KREVX-*5 (2)	225	Opp	92		7-A-187		7170-3X
489XSEVX-*5 (2)	200	Opp	109		8-A-062		Furnished	442KSEVX-*5 (2)	200	Opp	109		7-A-187		7170-3X
489XUEVX-*5 (2)	195	Opp	130		8-A-062		Furnished	442KUEVX-*5 (2)	195	Opp	130		7-A-187		7170-3X
489XWEVX-*5 (2)	175	Opp	153		8-A-062		Furnished	442KWEVX-*5 (2)	175	Opp	153		7-A-187		7170-3X
489XXEVX-*5 (2)	140	Opp	181		8-A-062		Furnished	442KXEVX-*5 (2)	140	Opp	181		7-A-187		7170-3X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

								236KDEVX-*5 (2)	250	Opp	59		7-A-187		7170-3X
								236KKEVX-*5 (2)	250	Opp	76		7-A-187		7170-3X
								236KQEVX-*5 (2)	250	Opp	103		7-A-187		7170-3X
								236KUEVX-*5 (2)	225	Opp	118		7-A-187		7170-3X

ONE SPEED - FORWARD & REVERSE

352XSEVX-*5 (2)	140	Opp	110	143	7-A-062(P)	328481X	7170-2X	352XSEVX-*5 (2)	140	Opp	110	143	7-A-187		7170-3X
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ONE SPEED - DUAL SHAFT

452XSEVX-*5 (2)	140	Opp	110		7-A-062(P)	328481X	7170-2X	452XSEVX-*5 (2)	140	Opp	110		7-A-187		7170-3X
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GEARED ADAPTERS

628XEVX-4EV	250				8-A-062		Furnished	626KEVX-3EV					7-A-187		7170-3X
								630KEVX-3EV					7-A-187		7170-3X
								645KEVX-3EV					7-A-187		7170-3X

NOTE: Use Constant Mesh P.T.O.s only.**NOTE:** Recommend using assembly arrangement "5" on R.H. side. With assembly arrangement "3", there may be interference with the output shaft of the P.T.O. and the rear cover on the transmission.

(1) Input Gear Part No. 5-P-1094

(2) Input Gear Part No. 5-P-1060

TX-14607B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear REAR of Centerline

78 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8650" (21.9710MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear REAR of Centerline

78 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.9740" (24.7400MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489XFEVX-*4 (1)	250	Opp	76		8-A-032		Furnished	442KFEVX-*4 (1)	250	Opp	76		7-A-187		7170-3X
489XLEVX-*4 (2)	250	Opp	98		8-A-032		Furnished	442KLEVX-*4 (2)	250	Opp	98		7-A-187		7170-3X
489XQEVX-*4 (2)	225	Opp	106		8-A-032		Furnished	442KQEVX-*4 (2)	225	Opp	106		7-A-187		7170-3X
489XREVX-*4 (2)	225	Opp	122		8-A-032		Furnished	442KREVX-*4 (2)	225	Opp	122		7-A-187		7170-3X
								447KQEVX-*4 (3)	225	Opp	106		7-A-187		7171-3X
								447KREVX-*4 (4)	225	Opp	122		7-A-187		7170-3X
								447KSEVX-*4 (5)	200	Opp	146		7-A-187		7170-3X
								447KUEVX-*4 (6)	195	Opp	174		7-A-187		7170-3X
								447KWEVX-*4 (7)	175	Opp	204		7-A-187		7170-3X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

								236KDEVX-*4 (2)	250	Opp	79		7-A-187		7170-3X
								236KKEVX-*4 (2)	250	Opp	101		7-A-187		7170-3X

ONE SPEED - FORWARD & REVERSE

352XSEVX-*4 (2)	140	Opp	148	191	7-A-062(P)	328481X	7170-2X	352XSEVX-*4 (2)	140	Opp	148	191	7-A-187		7170-3X
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ONE SPEED - DUAL SHAFT

452XSEVX-*6 (2)	140	Opp	148		7-A-062(P)	328481X	7170-2X	452XSEVX-*6 (2)	140	Opp	148		7-A-187		7170-3X
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GEARED ADAPTERS

628XEVX-3EV					8-A-062		Furnished	626KEVX-4EV					7-A-187		7170-3X
								630KEVX-4EV					7-A-187		7170-3X
								645KEVX-4EV					7-A-187		7170-3X

Note: The 442/489 S,U,W and X ratio gears interfere with the outside diameter of the 78 tooth transmission gear.

(1) Input Gear Part No. 5-P-1094
 (2) Input Gear Part No. 5-P-1060
 (3) Input Gear Part No. 5-P-1205
 (4) Input Gear Part No. 5-P-1219
 (5) Input Gear Part No. 5-P-1206
 (6) Input Gear Part No. 5-P-1207

(7) Input Gear Part No. 5-P-1208

FS-4205A

LEFT SIDE ONLY	RIGHT SIDE ONLY
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TRANSMISSION GEAR DATA: L.H. 6-Bolt Opening Gear FORWARD of Centerline 28 Teeth - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1469" (29.1313MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 28 Teeth - R.H. HELIX PITCH LINE TO APERTURE FACE: 1.1469" (29.1313MM)
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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.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFEWX-*5 (1)	250	Opp	36				Furnished	442XFEWX-*3 (1)	250	Opp	36				Furnished
442XLEWX-*5 (2)	250	Opp	47				Furnished	442XLEWX-*3 (2)	250	Opp	47				Furnished
442XQEWX-*5 (2)	225	Opp	51				Furnished	442XQEWX-*3 (2)	225	Opp	51				Furnished
442XREWX-*5 (2)	225	Opp	59				Furnished	442XREWX-*3 (2)	225	Opp	59				Furnished
442XSEWX-*5 (2)	200	Opp	70				Furnished	442XSEWX-*3 (2)	200	Opp	70				Furnished
442XUEWX-*5 (2)	195	Opp	84				Furnished	442XUEWX-*3 (2)	195	Opp	84				Furnished
442XWEWX-*5 (2)	175	Opp	98				Furnished	442XWEWX-*3 (2)	175	Opp	98				Furnished
442XXEWX-*5 (2)	140	Opp	116				Furnished	442XXEWX-*3 (2)	140	Opp	116				Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDEWX-*5 (2)	250	Opp	38				Furnished	236XDEWX-*3 (2)	250	Opp	38				Furnished
236XKEWX-*5 (2)	250	Opp	49				Furnished	236XKEWX-*3 (2)	250	Opp	49				Furnished
236XQEWX-*5 (2)	250	Opp	66				Furnished	236XQEWX-*3 (2)	250	Opp	66				Furnished
236XUEWX-*5 (2)	225	Opp	75				Furnished	236XUEWX-*3 (2)	225	Opp	75				Furnished

ONE SPEED - FORWARD & REVERSE

340XFEWX-*5 (3)	200	Opp	33	35	7-A-140 (4)		Furnished	340XFEWX-*5 (3)	200	Opp	33	35	7-A-140 (4)		Furnished
352XSEWX-*5 (2)	140	Opp	71	92			Furnished	352XSEWX-*3 (2)	140	Opp	71	92			Furnished

ONE SPEED - DUAL SHAFT

452XSEWX-*3 (2)	140	Opp	71				Furnished	452XSEWX-*3 (2)	140	Opp	71				Furnished
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GEARED ADAPTERS

626XEWX-4HM		Furnished	626XEWX-3HM		Furnished
630XEWX-4HM		Furnished	630XEWX-3HM		Furnished
645XEWX-4HM		Furnished	645XEWX-3HM		Furnished

NOTE: This application is for model FS-3005A AFTER September, 1988. For applications PRIOR to September, 1988, use application no. FLR-74.

NOTE: Use constant mesh P.T.O.s only on this application.

(1) Input Gear Part No. 5-P-1095
 (2) Input Gear Part No. 5-P-1061
 (3) Input Gear Part No. 5-P-886
 (4) Filler block furnished with P.T.O.

FS-4205B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

28 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1469" (29.1313MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

28 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1469" (29.1313MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFEWX-*5 (1)	250	Opp	42				Furnished	442XFEWX-*3 (1)	250	Opp	42				Furnished
442XLEWX-*5 (2)	250	Opp	54				Furnished	442XLEWX-*3 (2)	250	Opp	54				Furnished
442XQEWX-*5 (2)	225	Opp	59				Furnished	442XQEWX-*3 (2)	225	Opp	59				Furnished
442XREWX-*5 (2)	225	Opp	68				Furnished	442XREWX-*3 (2)	225	Opp	68				Furnished
442XSEWX-*5 (2)	200	Opp	81				Furnished	442XSEWX-*3 (2)	200	Opp	81				Furnished
442XUEWX-*5 (2)	195	Opp	96				Furnished	442XUEWX-*3 (2)	195	Opp	96				Furnished
442XWEWX-*5 (2)	175	Opp	113				Furnished	442XWEWX-*3 (2)	175	Opp	113				Furnished
442XXEWX-*5 (2)	140	Opp	134				Furnished	442XXEWX-*3 (2)	140	Opp	134				Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDEWX-*5 (2)	250	Opp	44				Furnished	236XDEWX-*3 (2)	250	Opp	44				Furnished
236XKEWX-*5 (2)	250	Opp	57				Furnished	236XKEWX-*3 (2)	250	Opp	57				Furnished
236XQEWX-*5 (2)	250	Opp	76				Furnished	236XQEWX-*3 (2)	250	Opp	76				Furnished
236XUEWX-*5 (2)	225	Opp	87				Furnished	236XUEWX-*3 (2)	225	Opp	87				Furnished

ONE SPEED - FORWARD & REVERSE

340XFEWX-*5 (3)	200	Opp	38	40	7-A-140 (4)		Furnished	340XFEWX-*5 (3)	200	Opp	38	40	7-A-140 (4)		Furnished
352XSEWX-*5 (2)	140	Opp	82	106			Furnished	352XSEWX-*3 (2)	140	Opp	82	106			Furnished

ONE SPEED - DUAL SHAFT

452XSEWX-*3 (2)	140	Opp	82				Furnished	452XSEWX-*3 (2)	140	Opp	82				Furnished
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GEARED ADAPTERS

626XEWX-4HM		Furnished	626XEWX-3HM		Furnished
630XEWX-4HM		Furnished	630XEWX-3HM		Furnished
645XEWX-4HM		Furnished	645XEWX-3HM		Furnished

NOTE: This application is for model FS-3005B AFTER September, 1988. For applications PRIOR to September, 1988, use application no. FLR-76.

- (1) Input Gear Part No. 5-P-1095
 (2) Input Gear Part No. 5-P-1061
 (3) Input Gear Part No. 5-P-886
 (4) Filler block furnished with P.T.O.

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FS-8209A

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 6-Bolt Opening Gear CENTER of Centerline

23 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.1480" (29.1592MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (1)	250	Opp	37		7-A-165	329182-1X	Furnished								
442XHAHX-*6 (2)	250	Opp	43		7-A-165	329182-1X	Furnished								
442XLAHX-*6 (3)	250	Opp	48		7-A-165	329182-1X	Furnished								
442XQAHX-*6 (3)	225	Opp	51		7-A-165	329182-1X	Furnished								
442XRAHX-*6 (3)	225	Opp	60		7-A-165	329182-1X	Furnished								
442XSAHX-*6 (3)	200	Opp	71		7-A-165	329182-1X	Furnished								
442XUAHX-*6 (3)	195	Opp	84		7-A-165	329182-1X	Furnished								
442XWAHX-*6 (3)	175	Opp	99		7-A-165	329182-1X	Furnished								
442XXAHX-*6 (3)	140	Opp	118		7-A-165	329182-1X	Furnished								
447GQGPX-*5 (4)	225	Eng	37				Furnished								
447GRGPX-*5 (5)	225	Eng	43				Furnished								
447GSGPX-*5 (6)	200	Eng	51				Furnished								
447GUGPX-*5 (7)	195	Eng	61				Furnished								
447GWGPX-*5 (8)	175	Eng	71				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XKAJX-*6	250	Opp	39		7-A-165	329182-1X	Furnished								
230XQAJX-*6	250	Opp	53		7-A-165	329182-1X	Furnished								
230XUAJX-*6	225	Opp	84		7-A-165	329182-1X	Furnished								

NOTE: The 100 Series will not mount on the right side due to interference with the low ratio housing. Two gear 8-bolt units will not mount due to interference at the rear cover.**NOTE:** Adapters with cluster gears cannot be used for this application.**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-1077
 (2) Input Gear Part No. 5-P-1364
 (3) Input Gear Part No. 5-P-1004
 (4) Input Gear Part No. 5-P-1145
 (5) Input Gear Part No. 5-P-1215
 (6) Input Gear Part No. 5-P-1146

(7) Input Gear Part No. 5-P-1147
 (8) Input Gear Part No. 5-P-1148

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FRO-11210C	FRO-16210C
FRO-12210C	FRO-16210R
FRO-13210C	FRO-17210C
FRO-14210C	FRO-18210C
FRO-15210C	

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

812GKAHX-*3	382	Eng	110				Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489GAAHX-*3 (1)	250	Opp	64				Furnished	442GAAHX-*3 (1)	250	Opp	62				Furnished
489GCAHX-*3 (2)	250	Opp	82				Furnished	442GCAHX-*3 (2)	250	Opp	79				Furnished
489GFAHX-*3 (3)	250	Opp	102				Furnished	442GFAHX-*3 (3)	250	Opp	97				Furnished
489GHAHX-*3 (4)	250	Opp	118				Furnished	442GHAHX-*3 (4)	250	Opp	112				Furnished
489GLAHX-*3 (5)	250	Opp	132				Furnished	442GLAHX-*3 (5)	250	Opp	126				Furnished
489GQAHX-*3 (5)	225	Opp	142				Furnished	442GQAHX-*3 (5)	225	Opp	136				Furnished
489GRAHX-*3 (5)	225	Opp	164				Furnished	442GRAHX-*3 (5)	225	Opp	157				Furnished
489GSAHX-*3 (5)	200	Opp	195				Furnished	442GSAHX-*3 (5)	200	Opp	187				Furnished
489GUAHX-*3 (5)	180	Opp	233				Furnished	660GFAHX-*3 (6)	375	Opp	97				Furnished
489GWAHX-*3 (5)	153	Opp	274				Furnished	660GQAHX-*3 (7)	308	Opp	136				Furnished
680GFAHX-*3 (6)	375	Opp	102				Furnished	660GSAHX-*3 (8)	224	Opp	187				Furnished
680GQAHX-*3 (7)	295	Opp	142				Furnished								
680GSAHX-*3 (8)	214	Opp	195				Furnished								
823GBAHX-*3 (9)	500	Opp	69				Furnished								
823GDAH-X*3 (10)	500	Opp	82				Furnished								
823GGAHX-*3 (11)	470	Opp	89				Furnished								
823GJAHX-*3 (12)	325	Opp	105				Furnished								
823GMAHX-*3 (13)	340	Opp	123				Furnished								
823GRAHX-*3 (14)	246	Opp	170				Furnished								
823GTKX-*3 (15)	194	Opp	206		8-A-165 (16)		Furnished								
880GBAHX-*3 (17)	500	Opp	69				Furnished								
880GDAH-X*3 (18)	500	Opp	82				Furnished								
880GGAHX-*3 (19)	470	Opp	89				Furnished								
880GJAHX-*3 (20)	399	Opp	105				Furnished								
880GMAHX-*3 (21)	340	Opp	123				Furnished								
880GQAHX-*3 (22)	290	Opp	144				Furnished								
880GRAHX-*3 (23)	246	Opp	170				Furnished								
880GTAHX-*3 (24)	191	Opp	219				Furnished								

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

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-1280
- (2) Input Gear Part No. 5-P-1287
- (3) Input Gear Part No. 5-P-1077
- (4) Input Gear Part No. 5-P-1364
- (5) Input Gear Part No. 5-P-1004
- (6) Input Gear Part No. 5-P-1242

- (7) Input Gear Part No. 5-P-1246
- (8) Input Gear Part No. 5-P-1322
- (9) Input Gear Part No. 5-P-285
- (10) Input Gear Part No. 5-P-971
- (11) Input Gear Part No. 5-P-980
- (12) Input Gear Part No. 5-P-325

- (13) Input Gear Part No. 5-P-283
- (14) Input Gear Part No. 5-P-721
- (15) Input Gear Part No. 5-P-1395
- (16) Filler block furnished with P.T.O.
- (17) Input Gear Part No. 5-P-1100
- (18) Input Gear Part No. 5-P-1101

- (19) Input Gear Part No. 5-P-1135
- (20) Input Gear Part No. 5-P-1102
- (21) Input Gear Part No. 5-P-1103
- (22) Input Gear Part No. 5-P-1385
- (23) Input Gear Part No. 5-P-1104
- (24) Input Gear Part No. 5-P-1105

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FRO-11210C	FRO-16210C
FRO-12210C	FRO-16210R
FRO-13210C	FRO-17210C
FRO-14210C	FRO-18210C
FRO-15210C	

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	54			328481G	Furnished	230GAAJX-*3	250	Opp	51				Furnished
230XBAJX-*3	250	Opp	70			328481G	Furnished	230GBAJX-*3	250	Opp	67				Furnished
230XDAJX-*3	250	Opp	80			328481G	Furnished	230GDAJX-*3	250	Opp	77				Furnished
230XKAJX-*3	250	Opp	109			328481G	Furnished	230GKAJX-*3	250	Opp	104				Furnished
230XQAJX-*3	250	Opp	145			328481G	Furnished	230GQAJX-*3	250	Opp	139				Furnished
230XUAJX-*3	180	Opp	232			328481G	Furnished	230GUAJX-*3	188	Opp	222				Furnished
236ZDAHx-*3 (5)	250	Opp	107			328564G	Furnished	236GDAHx-*3 (5)	250	Opp	102				Furnished
236ZKAHx-*3 (5)	250	Opp	136			328564G	Furnished	236GKAHx-*3 (5)	250	Opp	130				Furnished
236ZQAHx-*3 (5)	250	Opp	184			328564G	Furnished								
885GBAHx-*3 (17)	500	Opp	69				Furnished								
885GGAHx-*3 (19)	470	Opp	89				Furnished								
885GJAHx-*3 (20)	399	Opp	105				Furnished								
885GMAHx-*3 (21)	340	Opp	123				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHx-*5 (25)	200	Opp	89	93	7-A-032 7-A-140 (16)	310778G	Furnished	340GFAHx-*5 (25)	200	Opp	85	89	7-A-140 (16)		Furnished
352ZSAHx-*3 (5)	140	Opp	198	256		328564G	Furnished	352GSAHx-*3 (5)	140	Opp	189	245			Furnished
863GBAHx-*5	500	Opp	69	86			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHx-*3 (5)	140	Opp	198			328564G	Furnished	452GSAHx-*3 (5)	140	Opp	189				Furnished
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GEARED ADAPTERS

628GAHx-3AH							Furnished	628GAHx-3AH							Furnished
								630GAHx-3AH							Furnished
								645GAHx-3AH							Furnished

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

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.

(5) Input Gear Part No. 5-P-1004
 (16) Filler block furnished with P.T.O.
 (17) Input Gear Part No. 5-P-1100
 (19) Input Gear Part No. 5-P-1135
 (20) Input Gear Part No. 5-P-1102
 (21) Input Gear Part No. 5-P-1103

(25) Input Gear Part No. 5-P-581

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FRO-11210C	FRO-16210C
FRO-12210C	FRO-16210R
FRO-13210C	FRO-17210C
FRO-14210C	FRO-18210C
FRO-15210C	

REAR SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

REAR O-Bolt Opening Gear NON-STANDARD of Centerline

0 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0" (0MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

REAR MOUNT & THRUSHAFT

541-LBJ-Y-XV	400	Eng	81				Furnished
541-MBJ-Y-XV	350	Eng	113				Furnished
541-NBJ-Y-XV	300	Eng	129				Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

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.

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FR-11210B FR-9210
 FR-12210B
 FR-13210B
 FR-14210B
 FR-15210B

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1)	125	Eng	127			328481G	Furnished								
812GKAHX-*3	400	Eng	85				Furnished								

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*3	250	Opp	57		7-A-032 (2)	328564G	Furnished	442GAAHX-*3 (3)	250	Opp	48				Furnished
221ZEAHX-*3	250	Opp	65			328564G	Furnished	442GCAHX-*3 (4)	250	Opp	61				Furnished
221ZLAHX-*3	200	Opp	88			328564G	Furnished	442GFAHX-*3 (5)	250	Opp	75				Furnished
221ZPAHX-*3	200	Opp	106			328564G	Furnished	442GHAHX-*3 (6)	250	Opp	87				Furnished
489GFAHX-*3 (5)	250	Opp	79				Furnished	442GLAHX-*3 (7)	250	Opp	97				Furnished
489GHAHX-*3 (6)	250	Opp	92				Furnished	442GQAHX-*3 (7)	225	Opp	105				Furnished
489GLAHX-*3 (7)	250	Opp	102				Furnished	442GRAHX-*3 (7)	225	Opp	121				Furnished
489GQAHX-*3 (7)	225	Opp	110				Furnished	442GSAHX-*3 (7)	200	Opp	145				Furnished
489GRAHX-*3 (7)	225	Opp	127				Furnished	442GUAHX-*3 (7)	195	Opp	171				Furnished
489GSAHX-*3 (7)	200	Opp	151				Furnished	442GWAHX-*3 (7)	175	Opp	208				Furnished
489GUAHX-*3 (7)	180	Opp	180				Furnished	442GXAHX-*3 (7)	140	Opp	242				Furnished
489GWAHX-*3 (7)	153	Opp	212				Furnished	660GFAHX-*3 (8)	375	Opp	75				Furnished
680GFAHX-*3 (8)	375	Opp	79				Furnished	660GQAHX-*3 (9)	308	Opp	105				Furnished
680GQAHX-*3 (9)	295	Opp	110				Furnished	660GSAHX-*3 (10)	224	Opp	145				Furnished
680GSAHX-*3 (10)	214	Opp	151				Furnished								
823GBAHX-*3 (11)	500	Opp	53				Furnished								
823GDAH-X*3 (12)	500	Opp	63				Furnished								
823GGAHX-*3 (13)	470	Opp	69				Furnished								
823GJAHX-*3 (14)	399	Opp	81				Furnished								
823GMAHX-*3 (15)	340	Opp	95				Furnished								
823GRAHX-*3 (16)	246	Opp	131				Furnished								
823GKTX-*3 (17)	194	Opp	159		8-A-165 (2)		Furnished								
880GBAHX-*3 (18)	500	Opp	54				Furnished								
880GDAH-X*3 (19)	500	Opp	63				Furnished								
880GGAHX-*3 (20)	470	Opp	69				Furnished								
880GJAHX-*3 (21)	399	Opp	81				Furnished								
880GMAHX-*3 (22)	340	Opp	95				Furnished								

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1280
 (4) Input Gear Part No. 5-P-1287
 (5) Input Gear Part No. 5-P-1077
 (6) Input Gear Part No. 5-P-1364

- (7) Input Gear Part No. 5-P-1004
 (8) Input Gear Part No. 5-P-1242
 (9) Input Gear Part No. 5-P-1246
 (10) Input Gear Part No. 5-P-1322
 (11) Input Gear Part No. 5-P-285
 (12) Input Gear Part No. 5-P-971

- (13) Input Gear Part No. 5-P-980
 (14) Input Gear Part No. 5-P-325
 (15) Input Gear Part No. 5-P-283
 (16) Input Gear Part No. 5-P-721
 (17) Input Gear Part No. 5-P-1395
 (18) Input Gear Part No. 5-P-1100

- (19) Input Gear Part No. 5-P-1101
 (20) Input Gear Part No. 5-P-1135
 (21) Input Gear Part No. 5-P-1102
 (22) Input Gear Part No. 5-P-1103

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FR-11210B	FR-9210
FR-12210B	
FR-13210B	
FR-14210B	
FR-15210B	

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

880GQAHX-*3 (23)	290	Opp	111				Furnished								
880GRAHX-*3 (24)	246	Opp	131				Furnished								
880GTAHX-*3 (25)	191	Opp	169				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	41			328481G	Furnished	230GAAJX-*3	250	Opp	40				Furnished
230XBAJX-*3	250	Opp	54			328481G	Furnished	230GBAJX-*3	250	Opp	51				Furnished
230XDAJX-*3	250	Opp	62			328481G	Furnished	230GDAJX-*3	250	Opp	60				Furnished
230XKAJX-*3	250	Opp	84			328481G	Furnished	230GKAJX-*3	250	Opp	81				Furnished
230XQAJX-*3	250	Opp	112			328481G	Furnished	230GQAJX-*3	250	Opp	107				Furnished
230XUAJX-*3	180	Opp	179			328481G	Furnished	230GUAJX-*3	188	Opp	172				Furnished
885GBAHX-*3 (18)	500	Opp	54				Furnished	236GDAHx-*3 (7)	250	Opp	79				Furnished
885GGAHX-*3 (20)	470	Opp	69				Furnished	236GKAHX-*3 (7)	250	Opp	101				Furnished
885GJAHX-*3 (21)	399	Opp	81				Furnished								
885GMAHX-*3 (22)	340	Opp	95				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (26)	200	Opp	69	72	7-A-032 7-A-140 (27)	310778G	Furnished	340GFAHX-*5 (26)	200	Opp	66	69	7-A-140 (2)		Furnished
352ZSAHX-*3 (7)	140	Opp	153	198		328564G	Furnished	352GSAHX-*3 (7)	140	Opp	146	190			Furnished
863GBAHX-*5	500	Opp	54	66			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (7)	140	Opp	153			328564G	Furnished	452GSAHX-*3 (7)	140	Opp	146				Furnished
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GEARED ADAPTERS

628GAHX-3AH							Furnished	626GAHX-3AH							Furnished
								630GAHX-3AH							Furnished
								645GAHX-3AH							Furnished

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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.

(2) Filler block furnished with P.T.O.
(7) Input Gear Part No. 5-P-1004
(18) Input Gear Part No. 5-P-1100
(20) Input Gear Part No. 5-P-1135
(21) Input Gear Part No. 5-P-1102
(22) Input Gear Part No. 5-P-1103

(23) Input Gear Part No. 5-P-1385
(24) Input Gear Part No. 5-P-1104
(25) Input Gear Part No. 5-P-1105
(26) Input Gear Part No. 5-P-581
(27) Filler block furnished with P.T.O. but not required

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FR-11210B	FR-9210
FR-12210B	
FR-13210B	
FR-14210B	
FR-15210B	

REAR SIDE ONLY	RIGHT SIDE ONLY
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TRANSMISSION GEAR DATA: REAR 0-Bolt Opening Gear NON-STANDARD of Centerline 0 Teeth - SPUR PITCH LINE TO APERTURE FACE: 0" (0MM)	
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

REAR MOUNT & THRUSHAFT

541 NBJ-Y-XV (28)	300	Eng	92				Furnished
541-LBJ-Y-XV (29)	400	Eng	63				Furnished
541-MBJ-Y-XV (30)	350	Eng	81				Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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.

(28) Input Gear Part No. 5-P-716

(29) Input Gear Part No. 5-P-718

(30) Input Gear Part No. 5-P-717

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FRO-11210B FRO-16210B
 FRO-12210B
 FRO-13210B
 FRO-14210B
 FRO-15210B

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1)	125	Eng	170			328481G	8000-14X								
812GKAHX-*3	382	Eng	113				Furnished								
823GBAHX-*3 (2)	500	Opp	71				Furnished								

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*3	250	Opp	76		7-A-032 (3)	328564G	Furnished	442GAAHX-*3 (4)	250	Opp	64				Furnished
221ZEAHX-*3	250	Opp	87			328564G	Furnished	442GCAHX-*3 (5)	250	Opp	81				Furnished
221ZLAHX-*3	200	Opp	117			328564G	Furnished	442GFAHX-*3 (6)	250	Opp	101				Furnished
221ZPAHX-*3	200	Opp	142			328564G	Furnished	442GHAHX-*3 (7)	250	Opp	117				Furnished
489GAAHX-*3 (4)	250	Opp	66				Furnished	442GLAHX-*3 (8)	250	Opp	130				Furnished
489GCAHX-*3 (5)	250	Opp	85				Furnished	442GQAHX-*3 (8)	225	Opp	140				Furnished
489GFAHX-*3 (6)	250	Opp	105				Furnished	442GRAHX-*3 (8)	225	Opp	162				Furnished
489GHAHX-*3 (7)	250	Opp	122				Furnished	442GSAHX-*3 (8)	200	Opp	193				Furnished
489GLAHX-*3 (8)	250	Opp	136				Furnished	660GFAHX-*3 (9)	375	Opp	101				Furnished
489GQAHX-*3 (8)	225	Opp	146				Furnished	660GQAHX-*3 (10)	308	Opp	140				Furnished
489GRAHX-*3 (8)	225	Opp	170				Furnished	660GSAHX-*3 (11)	224	Opp	193				Furnished
489GSAHX-*3 (8)	200	Opp	202				Furnished								
489GUAHX-*3 (8)	180	Opp	241				Furnished								
489GWAHX-*3 (8)	153	Opp	283				Furnished								
680GFAHX-*3 (9)	375	Opp	105				Furnished								
680GQAHX-*3 (10)	295	Opp	146				Furnished								
680GSAHX-*3 (11)	214	Opp	202				Furnished								
823GDAHX-*3 (12)	500	Opp	85				Furnished								
823GGAHX-*3 (13)	470	Opp					Furnished								
823GJAHX-*3 (14)	399	Opp	108				Furnished								
823GMAHX-*3 (15)	340	Opp	127				Furnished								
823GRAHX-*3 (16)	246	Opp	176				Furnished								
823GTKX-*3 (17)	194	Opp	213		8-A-165 (18)		Furnished								
880GBAHX-*3 (19)	500	Opp	72				Furnished								
880GDAHX-*3 (20)	500	Opp	85				Furnished								
880GGAHX-*3 (21)	470	Opp	92				Furnished								

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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) Gear and Shaft Kit No. KXA-2-P-565

(2) Input Gear Part No. 5-P-285

(3) Filler block furnished with P.T.O. but not required

(4) Input Gear Part No. 5-P-1280

(5) Input Gear Part No. 5-P-1287

(6) Input Gear Part No. 5-P-1077

(7) Input Gear Part No. 5-P-1364

(8) Input Gear Part No. 5-P-1004

(9) Input Gear Part No. 5-P-1242

(10) Input Gear Part No. 5-P-1246

(11) Input Gear Part No. 5-P-1322

(12) Input Gear Part No. 5-P-971

(13) Input Gear Part No. 5-P-980

(14) Input Gear Part No. 5-P-325

(15) Input Gear Part No. 5-P-283

(16) Input Gear Part No. 5-P-721

(17) Input Gear Part No. 5-P-1395

(18) Filler block furnished with P.T.O.

(19) Input Gear Part No. 5-P-1100

(20) Input Gear Part No. 5-P-1101

(21) Input Gear Part No. 5-P-1135

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FRO-11210B FRO-16210B
 FRO-12210B
 FRO-13210B
 FRO-14210B
 FRO-15210B

BOTTOM SIDE ONLY**RIGHT SIDE ONLY****TRANSMISSION GEAR DATA:**

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

880GJAHX-*3 (22)	399	Opp	108				Furnished								
880GMAHX-*3 (23)	340	Opp	127				Furnished								
880GQAHX-*3 (24)	290	Opp	149				Furnished								
880GRAHX-*3 (25)	246	Opp	176				Furnished								
880GTAHX-*3 (26)	191	Opp	226				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	55			328481G	Furnished	230GAAJX-*3	250	Opp	53				Furnished
230XBAJX-*3	250	Opp	72			328481G	Furnished	230GBAJX-*3	250	Opp	69				Furnished
230XDAJX-*3	250	Opp	83			328481G	Furnished	230GDAJX-*3	250	Opp	80				Furnished
230XKAJX-*3	250	Opp	112			328481G	Furnished	230GKAJX-*3	250	Opp	108				Furnished
230XQAJX-*3	250	Opp	150			328481G	Furnished	230GQAJX-*3	250	Opp	143				Furnished
230XUAJX-*3	188	Opp	239			328481G	Furnished	230GUAJX-*3	188	Opp	229				Furnished
885GBAHX-*3 (19)	500	Opp	72				Furnished	236GDAHX-*3 (8)	250	Opp	105				Furnished
885GGAHX-*3 (21)	470	Opp	92				Furnished	236GKAHX-*3 (8)	250	Opp	135				Furnished
885GJAHX-*3 (22)	399	Opp	108				Furnished								
885GMAHX-*3 (23)	340	Opp	127				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (27)	200	Opp	92	96	7-A-140 (3)	310778G	Furnished	340GFAHX-*5 (27)	200	Opp	88	92	7-A-140 (3)		Furnished
352ZSAHX-*3 (8)	140	Opp	204	265		328564G	Furnished	352GSAHX-*3 (8)	140	Opp	196	253			Furnished
863GBAHX-*5	500	Opp	72	89			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (8)	140	Opp	204			328564G	Furnished	452GSAHX-*3 (8)	140	Opp	196				Furnished
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GEARED ADAPTERS

628GAHX-3AH							Furnished	626GAHX-3AH							Furnished
								630GAHX-3AH							Furnished
								645GAHX-3AH							Furnished

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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.

(3) Filler block furnished with P.T.O. but not required
 (8) Input Gear Part No. 5-P-1004
 (19) Input Gear Part No. 5-P-1100
 (21) Input Gear Part No. 5-P-1135
 (22) Input Gear Part No. 5-P-1102
 (23) Input Gear Part No. 5-P-1103

(24) Input Gear Part No. 5-P-1385
 (25) Input Gear Part No. 5-P-1104
 (26) Input Gear Part No. 5-P-1105
 (27) Input Gear Part No. 5-P-581

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FRO-11210B FRO-16210B
 FRO-12210B
 FRO-13210B
 FRO-14210B
 FRO-15210B

REAR SIDE ONLY**TRANSMISSION GEAR DATA:**

REAR 0-Bolt Opening Gear NON-STANDARD of Centerline

0 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0" (0MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

REAR MOUNT & THRUSHAFT

541-LBJ-Y-XV (28)	400	Eng	84				Furnished
541-MBJ-Y-XV (29)	350	Eng	108				Furnished
541-NBJ-Y-XV (30)	300	Eng	123				Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.s only on the right side application.

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.

(28) Input Gear Part No. 5-P-718
 (29) Input Gear Part No. 5-P-717
 (30) Input Gear Part No. 5-P-716

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EH8-E306A-UP	FO-6406A-AW3	FSO-6406A
F-5405B-DM3	FO-6406B-DM3	FSO-8406A
FO-5406B-DM3	FO-8406A-ASW	
FO-6406A-ASW	FO-8406A-ASX	
FO-6406A-ASX	FO-8406A-AW3	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 6-Bolt Opening Gear FORWARD of Centerline 48 Teeth - R.H. HELIX PITCH LINE TO APERTURE FACE: .4900" (12.4460MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 48 Teeth - R.H. HELIX PITCH LINE TO APERTURE FACE: .4900" (12.4460MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442KLJKX-*5 (1)	250	Opp	99		7-A-500		7170-5X	442KLJKX-*3 (1)	250	Opp	99		7-A-500		7170-5X
442KQJKX-*5 (1)	225	Opp	106		7-A-500		7170-5X	442KQJKX-*3 (1)	225	Opp	106		7-A-500		7170-5X
442KRJKX-*5 (1)	225	Opp	123		7-A-500		7170-5X	442KRJKX-*3 (1)	225	Opp	123		7-A-500		7170-5X
442KSJKX-*5 (1)	200	Opp	146		7-A-500		7170-5X	442KSJKX-*3 (1)	200	Opp	146		7-A-500		7170-5X
442KUJKX-*5 (1)	195	Opp	174		7-A-500		7170-5X	442KUJKX-*3 (1)	195	Opp	174		7-A-500		7170-5X
442KWJKX-*5 (1)	175	Opp	205		7-A-500		7170-5X	442KWJKX-*3 (1)	175	Opp	205		7-A-500		7170-5X
442KXJKX-*5 (1)	140	Opp	242		7-A-500		7170-5X	442KXJKX-*3 (1)	140	Opp	242		7-A-500		7170-5X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236KDJJKX-*5 (1)	250	Opp	80		7-A-500		7170-5X	236KDJJKX-*3 (1)	250	Opp	80		7-A-500		7170-5X
236KKJKX-*5 (1)	250	Opp	102		7-A-500		7170-5X	236KKJKX-*3 (1)	250	Opp	102		7-A-500		7170-5X
236KQJKX-*5 (1)	250	Opp	138		7-A-500		7170-5X	236KQJKX-*3 (1)	250	Opp	138		7-A-500		7170-5X
236KUJKX-*5 (1)	225	Opp	157		7-A-500		7170-5X	236KUJKX-*3 (1)	225	Opp	157		7-A-500		7170-5X

ONE SPEED - FORWARD & REVERSE

352KSJKX-*5 (1)	140	Opp	148	192	7-A-500(T)		7170-5X	352KSJKX-*3 (1)	140	Opp	148	192	7-A-500(T)		7170-5X
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GEARED ADAPTERS

626KJKX-4JL (2)					7-A-500		7170-5X	626KJKX-3JL (2)					7-A-500		7170-5X
630KJKX-4JL (2)					7-A-500		7170-5X	630KJKX-3JL (2)					7-A-500		7170-5X
645KJKX-4JL (2)					7-A-500		7170-5X	645KJKX-3JL (2)					7-A-500		7170-5X

NOTE: The 7-A-187 spacer and 7170-3X stud kit are required to mount the 442 Series to the adapter.

NOTE: FO-8406A-ASX, FO-6406A-ASX and FO-6406A-ASW Left Side not usable due to Inertia Brake mounted to the 6-Bolt opening.

(1) Input Gear Part No. 5-P-1261
(2) Input Gear Part No. 5-P-1262

FSB-5406B

FSB-6406B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

38 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

38 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			
ONE SPEED - TWO GEAR - MECHANICAL SHIFT															
442XFESX-*5 (1)	250	Opp	53		7-A-062		Furnished	442XFESX-*3 (1)	250	Opp	53		7-A-062		Furnished
442XLESX-*5 (2)	250	Opp	69		7-A-062		Furnished	442XLESX-*3 (2)	250	Opp	69		7-A-062		Furnished
442XQESX-*5 (2)	225	Opp	74		7-A-062		Furnished	442XQESX-*3 (2)	225	Opp	74		7-A-062		Furnished
442XRESX-*5 (2)	225	Opp	85		7-A-062		Furnished	442XRESX-*3 (2)	225	Opp	85		7-A-062		Furnished
442XSESX-*5 (2)	200	Opp	102		7-A-062		Furnished	442XSESX-*3 (2)	200	Opp	102		7-A-062		Furnished
442XUESX-*5 (2)	195	Opp	121		7-A-062		Furnished	442XUESX-*3 (2)	195	Opp	121		7-A-062		Furnished
442XWESX-*5 (2)	175	Opp	143		7-A-062		Furnished	442XWESX-*3 (2)	175	Opp	143		7-A-062		Furnished
442XXESX-*5 (2)	140	Opp	169		7-A-062		Furnished	442XXESX-*3 (2)	140	Opp	169		7-A-062		Furnished
ONE SPEED - TWO GEAR - POWERSHIFT (AIR)															
236XDESX-*5 (2)	250	Opp	56		7-A-062		Furnished	236XDESX-*3 (2)	250	Opp	56		7-A-062		Furnished
236XKESX-*5 (2)	250	Opp	71		7-A-062		Furnished	236XKESX-*3 (2)	250	Opp	71		7-A-062		Furnished
236XQESX-*5 (2)	250	Opp	96		7-A-062		Furnished	236XQESX-*3 (2)	250	Opp	96		7-A-062		Furnished
236XUESX-*5 (2)	225	Opp	110		7-A-062		Furnished	236XUESX-*3 (2)	225	Opp	110		7-A-062		Furnished
ONE SPEED - FORWARD & REVERSE															
340XFESX-*5 (3)	200	Opp	48	51	7-A-093 7-A-140 (4)		7170-2X	340XFESX-*5 (3)	200	Opp	48	51	7-A-093 7-A-140 (4)		7170-2X
352XSESX-*5 (2)	140	Opp	103	133	7-A-062		Furnished	352XSESX-*3 (2)	140	Opp	103	133	7-A-062		Furnished
ONE SPEED - DUAL SHAFT															
452XSESX-*5 (2)	140	Opp	103		7-A-062		Furnished	452XSESX-*3 (2)	140	Opp	103		7-A-062		Furnished
GEARED ADAPTERS															
626XESX-4HL					7-A-062		Furnished	626XESX-3HL		Eng			7-A-062		Furnished
630XESX-4HL					7-A-062		Furnished	630XESX-3HL					7-A-062		Furnished
645XESX-4HL					7-A-062		Furnished	645XESX-3HL					7-A-062		Furnished

NOTE: 7-A-062 is required to mount the P.T.O. at standard mounting depth of 1.085" due to the transmission gear tooth thickness that is 0.065" oversize.

(1) Input Gear Part No. 5-P-1092
(2) Input Gear Part No. 5-P-1059
(3) Input Gear Part No. 5-P-884
(4) Filler block furnished with P.T.O. but not required

FRLO-14410C FRLO-16410C-T2
 FRLO-14410C-T2
 FRLO-15410C
 FRLO-15410C-T2
 FRLO-16410C

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

51 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

51 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5590MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442GAJAX-*5 (1)	250	Opp	43				Furnished	442GAJAX-*3 (1)	250	Opp	43				Furnished
442GCJAX-*5 (2)	250	Opp	54				Furnished	442GCJAX-*3 (2)	250	Opp	54				Furnished
442GFJAX-*5 (3)	250	Opp	67				Furnished	442GFJAX-*3 (3)	250	Opp	67				Furnished
442GHJAX-*5 (4)	250	Opp	78				Furnished	442GHJAX-*3 (4)	250	Opp	78				Furnished
442GLJAX-*5 (1)	250	Opp	87				Furnished	442GLJAX-*3 (1)	250	Opp	87				Furnished
442GQJAX-*5 (1)	225	Opp	94				Furnished	442GQJAX-*3 (1)	225	Opp	94				Furnished
442GRJAX-*5 (1)	225	Opp	109				Furnished	442GRJAX-*3 (1)	225	Opp	109				Furnished
442GSJAX-*5 (1)	200	Opp	130				Furnished	442GSJAX-*3 (1)	200	Opp	130				Furnished
442GUJAX-*5 (1)	195	Opp	155				Furnished	442GUJAX-*3 (1)	195	Opp	155				Furnished
442GWJAX-*5 (1)	175	Opp	182				Furnished	442GWJAX-*3 (1)	175	Opp	182				Furnished
442GXJAX-*5 (1)	140	Opp	215				Furnished	442GXJAX-*3 (1)	140	Opp	215				Furnished
660GFJAX-*5 (5)	375	Opp	67				Furnished	660GFJAX-*3 (5)	375	Opp	67				Furnished
660GQJAX-*5 (6)	330	Opp	94				Furnished	660GQJAX-*3 (6)	330	Opp	94				Furnished
660GSJAX-*5 (7)	240	Opp	130				Furnished	660GSJAX-*3 (7)	240	Opp	130				Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236GDJAX-*5 (1)	250	Opp	70				Furnished	236GKJAX-*3 (1)	250	Opp	91				Furnished
236GKJAX-*5 (1)	250	Opp	91				Furnished	236GQJAX-*3 (1)	250	Opp	122				Furnished
236GQJAX-*5 (1)	250	Opp	122				Furnished	236GUJAX-*3 (1)	225	Opp	140				Furnished
236GUJAX-*5 (1)	225	Opp	140				Furnished								

GEARED ADAPTERS

626GJAX-4JC (8)	Eng						Furnished	626GJAX-3JC (8)	Eng						Furnished
630GJAX-4JC (8)	Eng						Furnished	630GJAX-3JC (8)	Eng						Furnished
								645GJAX-3JC (8)	Eng						Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 Nm]. All torque limits on this application page reflect the 500 Ft-lbs [678 Nm] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

NOTE: When using a 626G/630G or 645G adapter on this transmission, put 5-P-1243 gear in the adapter and the 5-P-1247 gear in the 442 Series P.T.O. 7-A-165 spacer is required between the adapter and the 442 Series. Normal backlash will need to be checked between the P.T.O. and the adapter. Use stud kit 7170-3X to mount the 442 Series to the Adapter.

(1) Input Gear Part No. 5-P-1243
 (2) Input Gear Part No. 5-P-1368
 (3) Input Gear Part No. 5-P-1340
 (4) Input Gear Part No. 5-P-1342
 (5) Input Gear Part No. 5-P-1345
 (6) Input Gear Part No. 5-P-1346

(7) Input Gear Part No. 5-P-1347
 (8) Input Gear Part No. 5-P-1247

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F-5405-DM3	FO-6406N-AW3
F-6406N-ASW	FS-5406N
F-6406N-ASX	FS-6406N
F-6406N-AW3	
F-8406N-ASW	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

39 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1460" (29.1080MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

39 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1460" (29.1080MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFJWX-*5 (1)	250	Opp	51				Furnished	442XFJWX-*3 (1)	250	Opp	51				Furnished
442XLJWX-*5 (2)	250	Opp	66				Furnished	442XLJWX-*3 (2)	250	Opp	66				Furnished
442XQJWX-*5 (2)	225	Opp	71				Furnished	442XQJWX-*3 (2)	225	Opp	71				Furnished
442XRJWX-*5 (2)	225	Opp	83				Furnished	442XRJWX-*3 (2)	225	Opp	83				Furnished
442XSJWX-*5 (2)	200	Opp	98				Furnished	442XSJWX-*3 (2)	200	Opp	98				Furnished
442XUJWX-*5 (2)	195	Opp	117				Furnished	442XUJWX-*3 (2)	195	Opp	117				Furnished
442XWJWX-*5 (2)	175	Opp	138				Furnished	442XWJWX-*3 (2)	175	Opp	138				Furnished
442XXJWX-*5 (2)	140	Opp	163				Furnished	442XXJWX-*3 (2)	140	Opp	163				Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDJWX-*5 (2)	250	Opp	53				Furnished	236XDJWX-*3 (2)	250	Opp	53				Furnished
236XKJWX-*5 (2)	250	Opp	69				Furnished	236XKJWX-*3 (2)	250	Opp	69				Furnished
236XQJWX-*5 (2)	250	Opp	93				Furnished	236XQJWX-*3 (2)	250	Opp	93				Furnished
236XUJWX-*5 (2)	225	Opp	106				Furnished	236XUJWX-*3 (2)	225	Opp	106				Furnished

ONE SPEED - FORWARD & REVERSE

340XFJWX-*5 (3)	200	Opp	46	49			Furnished	340XFJWX-*5 (3)	200	Opp	46	49			Furnished
352XSJWX-*5 (2)	140	Opp	100	129			Furnished	352XSJWX-*3 (2)	140	Opp	100	129			Furnished

GEARED ADAPTERS

626XJWX-4KB							Furnished	626XJWX-3KB							Furnished
630XJWX-4KB							Furnished	630XJWX-3KB							Furnished
645XJWX-4KB							Furnished	645XJWX-3KB							Furnished

NOTE: The 626 and 645 series adapters can not be used with the 442 Series "F" ratio.

NOTE: The 626/645 Series adapters can be mounted on this transmission by replacing the 5-P-1319 gear in the 442 Series with the 5-P-1321 and putting the 5-P-1319 gear in the adapter assembly. A 7-A-093 spacer is required between the adapter and the P.T.O. to get proper backlash. Use 7170-3X stud kit to mount the P.T.O. to the adapter. Use the stud kit supplied with the adapter to mount it to the transmission.

(1) Input Gear Part No. 5-P-1320
(2) Input Gear Part No. 5-P-1319
(3) Input Gear Part No. 5-P-1404

RTO-10910B-DM2 RTO-14910B-DM3
 RTO-10910B-DM3 RTO-16910B-DM2
 RTO-12910B-DM2 RTO-16910B-DM3
 RTO-12910B-DM3
 RTO-14910B-DM2

BOTTOM SIDE ONLY**RIGHT SIDE ONLY****TRANSMISSION GEAR DATA:**

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1)	125	Eng	185		328481X	Furnished		100XRAHX-*3 (1)	125	Opp	177			329138X	Furnished
812XKAHX-*3	268	Eng	123			Furnished									

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*3	250	Opp	82		7-A-032(P)(2)	328564X	Furnished	221XCAHX-*3	250	Opp	79		7-A-032 (2)		Furnished
221ZEAHX-*3	250	Opp	95			328564X	Furnished	221XEAHX-*3	250	Opp	91				Furnished
221ZLAHX-*3	200	Opp	128			328564X	Furnished	221XLAHX-*3	200	Opp	122				Furnished
221ZPAHX-*3	200	Opp	154			328564X	Furnished	221XPAHX-*3	200	Opp	148				Furnished
442ZAAHX-*3 (4)	250	Opp	72			328564X	Furnished	442XAAHX-*3 (4)	250	Opp	69				Furnished
442ZCAHX-*3 (5)	250	Opp	93			328564X	Furnished	442XBAHX-*3 (3)	250	Eng	69		REQUIRED		Furnished
442ZFAHX-*3 (6)	250	Opp	114			328564X	Furnished	442XCAHX-*3 (5)	250	Opp	89				Furnished
442ZHAHX-*3 (7)	250	Opp	132			328564X	Furnished	442XFAHX-*3 (6)	250	Opp	110				Furnished
442ZLAHX-*3 (8)	222	Opp	148			328564X	Furnished	442XHAHX-*3 (7)	250	Opp	127				Furnished
442ZQAHX-*3 (8)	206	Opp	160			328564X	Furnished	442XLAHX-*3 (8)	233	Opp	142				Furnished
442ZRAHX-*3 (8)	178	Opp	185			328564X	Furnished	442XQAHX-*3 (8)	216	Opp	153				Furnished
442ZSAHX-*3 (8)	150	Opp	220			328564X	Furnished	442XRAHX-*3 (8)	187	Opp	177				Furnished
442ZUAHX-*3 (8)	126	Opp	262			328564X	Furnished	442XSAHX-*3 (8)	156	Opp	211				Furnished
442ZWAHX-*3 (8)	107	Opp	308			328564X	Furnished	442XUAHX-*3 (8)	132	Opp	251				Furnished
442ZXAHX-*3 (8)	91	Opp	365			328564X	Furnished	442XWAHX-*3 (8)	112	Opp	295				Furnished
489XAAHX-*3 (4)	250	Opp	72				Furnished	442XXAHX-*3 (8)	94	Opp	349				Furnished
489XCAHX-*3 (5)	250	Opp	93				Furnished	660XFAHX-*3 (9)	301	Opp	110				Furnished
489XFAHX-*3 (6)	250	Opp	114				Furnished	660XQAHX-*3 (10)	216	Opp	153				Furnished
489XHAHX-*3 (7)	250	Opp	132				Furnished	660XSAHX-*3 (11)	156	Opp	211				Furnished
489XLAHX-*3 (8)	222	Opp	148				Furnished								
489XQAHX-*3 (8)	206	Opp	160				Furnished								
489XRAHX-*3 (8)	178	Opp	185				Furnished								
489XSAHX-*3 (8)	150	Opp	220				Furnished								
489XUAHX-*3 (8)	126	Opp	262				Furnished								
489XWAHX-*3 (8)	107	Opp	308				Furnished								
489XXAHX-*3 (8)	91	Opp	365				Furnished								
680XFAHX-*3 (9)	288	Opp	114				Furnished								

Continued Next Page

CAUTION: The Eaton UltraShift DM transmission must have an input signal from the Power Take-Off when it is active. In this active state, the clutch engagement is controlled when the operator raises the engine speed to engage the clutch and drive the transmission main box countershaft. Minimum engine/transmission speed required for PTO operation is 1000 RPM, per Eaton spec. "TRIG-2600". INCORRECT or NO P.T.O. interface signal to the transmission will result in uncontrolled engagement of the clutch during P.T.O. operation.

NOTE: Refer to Eaton Installation Guide "TRIG-2600" for proper wiring diagram showing the interface connections between the P.T.O. indicator switch and the terminal connection on the transmission.

NOTE: The Eaton Inertia Brake comes standard mounted on the bottom 8 bolt opening. If the 8 bolt opening is required for a P.T.O. the Inertia Brake can be relocated to the right side 6 bolt opening. If there is any interference (frame rails, etc.) on the right side when mounting the Inertia Brake, a 630-02 adapter can be used to move the I-Brake away from the interference.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

- (1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1418
 (4) Input Gear Part No. 5-P-1280
 (5) Input Gear Part No. 5-P-1287
 (6) Input Gear Part No. 5-P-1077

- (7) Input Gear Part No. 5-P-1364
 (8) Input Gear Part No. 5-P-1004
 (9) Input Gear Part No. 5-P-1242
 (10) Input Gear Part No. 5-P-1246
 (11) Input Gear Part No. 5-P-1322

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RTO-10910B-DM2 RTO-14910B-DM3
 RTO-10910B-DM3 RTO-16910B-DM2
 RTO-12910B-DM2 RTO-16910B-DM3
 RTO-12910B-DM3
 RTO-14910B-DM2

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

680XQAHX-*3 (10)	206	Opp	160				Furnished								
680XSAHX-*3 (11)	150	Opp	220				Furnished								
823XBAHX-*3 (12)	423	Opp	78				Furnished								
823XJAHX-*3 (13)	279	Opp	118				Furnished								
823XMAHX-*3 (14)	238	Opp	139				Furnished								
823XRAHX-*3 (15)	172	Opp	191				Furnished								
823XTKTX-*3 (16)	142	Opp	231		8-A-165 (2)		Furnished								
880XBAHX-*3 (17)	423	Opp	78				Furnished								
880XDAHX-*3 (18)	357	Opp	92				Furnished								
880XGAHX-*3 (19)	329	Opp	100				Furnished								
880XJAHX-*3 (20)	279	Opp	118				Furnished								
880XMAHX-*3 (21)	238	Opp	139				Furnished								
880XQAHX-*3 (22)	203	Opp	162				Furnished								
880XRAHX-*3 (23)	172	Opp	191				Furnished								
880XTAHX-*3 (24)	134	Opp	246				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	60			328481X	Furnished	230XAAJX-*3	250	Opp	58				Furnished
230XBAJX-*3	250	Opp	78			328481X	Furnished	230XBAJX-*3	250	Opp	75				Furnished
230XDAJX-*3	250	Opp	91			328481X	Furnished	230XDAJX-*3	250	Opp	87				Furnished
230XKAJX-*3	250	Opp	123			328481X	Furnished	230XKAJX-*3	250	Opp	117				Furnished
230XQAJX-*3	203	Opp	163			328481X	Furnished	230XQAJX-*3	212	Opp	156				Furnished
230XUAJX-*3	126	Opp	261			328481X	Furnished	230XUAJX-*3	132	Opp	250				Furnished
236ZDAH-X-*3 (8)	250	Opp	120			328564X	Furnished	236ZDAH-X-*3 (8)	250	Opp	115				Furnished
236ZKAHX-*3 (8)	215	Opp	154			328564X	Furnished	236ZKAHX-*3 (8)	224	Opp	147				Furnished
236ZQAHX-*3 (8)	160	Opp	207			328564X	Furnished	236ZQAHX-*3 (8)	166	Opp	198				Furnished
236ZUAHX-*3 (8)	139	Opp	237			328564X	Furnished	236ZUAHX-*3 (8)	145	Opp	227				Furnished
885XBAHX-*3 (17)	423	Opp	78				Furnished								
885XGAHX-*3 (19)	329	Opp	100				Furnished								
885XJAHX-*3 (20)	279	Opp	118				Furnished								
885XMAHX-*3 (21)	238	Opp	139				Furnished								

Continued Next Page

CAUTION: The Eaton UltraShift DM transmission must have an input signal from the Power Take-Off when it is active. In this active state, the clutch engagement is controlled when the operator raises the engine speed to engage the clutch and drive the transmission main box countershaft. Minimum engine/transmission speed required for PTO operation is 1000 RPM, per Eaton spec. "TRIG-2600". INCORRECT or NO P.T.O. interface signal to the transmission will result in uncontrolled engagement of the clutch during P.T.O. operation.

NOTE: Refer to Eaton Installation Guide "TRIG-2600" for proper wiring diagram showing the interface connections between the P.T.O. indicator switch and the terminal connection on the transmission.

NOTE: The Eaton Inertia Brake comes standard mounted on the bottom 8 bolt opening. If the 8 bolt opening is required for a P.T.O. the Inertia Brake can be relocated to the right side 6 bolt opening. If there is any interference (frame rails, etc.) on the right side when mounting the Inertia Brake, a 630-02 adapter can be used to move the I-Brake away from the interference.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

(2) Filler block furnished with P.T.O.
 (8) Input Gear Part No. 5-P-1004
 (10) Input Gear Part No. 5-P-1246
 (11) Input Gear Part No. 5-P-1322
 (12) Input Gear Part No. 5-P-285
 (13) Input Gear Part No. 5-P-325

(14) Input Gear Part No. 5-P-283
 (15) Input Gear Part No. 5-P-721
 (16) Input Gear Part No. 5-P-1395
 (17) Input Gear Part No. 5-P-1100
 (18) Input Gear Part No. 5-P-1101
 (19) Input Gear Part No. 5-P-1135

(20) Input Gear Part No. 5-P-1102
 (21) Input Gear Part No. 5-P-1103
 (22) Input Gear Part No. 5-P-1385
 (23) Input Gear Part No. 5-P-1104
 (24) Input Gear Part No. 5-P-1105

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RTO-10910B-DM2 RTO-14910B-DM3
 RTO-10910B-DM3 RTO-16910B-DM2
 RTO-12910B-DM2 RTO-16910B-DM3
 RTO-12910B-DM3
 RTO-14910B-DM2

BOTTOM SIDE ONLY**RIGHT SIDE ONLY****TRANSMISSION GEAR DATA:**

BOT 8-Bolt Opening Gear FORWARD of Centerline

47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (25)	200	Opp	100	105	7-A-032(P) 7-A-140 (26)	310778X	Furnished	340XFAHX-*5 (25)	200	Opp	96	101	7-A-140 (2)		Furnished
352ZSAHX-*3 (8)	140	Opp	223	288		328564X	Furnished	352XSAHX-*3 (8)	140	Opp	213	276			Furnished
863XBAHX-*5	423	Opp	78	97			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (8)	140	Opp	223			328564X	Furnished	452XSAHX-*3 (8)	140	Opp	213				Furnished
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GEARED ADAPTERS

628XAHX-3AH					8-A-032		Furnished	626XAHX-3AH							Furnished
								630-02		Eng					Furnished
								630XAHX-3AH							Furnished
								645XAHX-3AH							Furnished

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CAUTION: The Eaton UltraShift DM transmission must have an input signal from the Power Take-Off when it is active. In this active state, the clutch engagement is controlled when the operator raises the engine speed to engage the clutch and drive the transmission main box countershaft. Minimum engine/transmission speed required for PTO operation is 1000 RPM, per Eaton spec. "TRIG-2600". INCORRECT or NO P.T.O. interface signal to the transmission will result in uncontrolled engagement of the clutch during P.T.O. operation.

NOTE: Refer to Eaton Installation Guide "TRIG-2600" for proper wiring diagram showing the interface connections between the P.T.O. indicator switch and the terminal connection on the transmission.

NOTE: The Eaton Inertia Brake comes standard mounted on the bottom 8 bolt opening. If the 8 bolt opening is required for a P.T.O. the Inertia Brake can be relocated to the right side 6 bolt opening. If there is any interference (frame rails, etc.) on the right side when mounting the Inertia Brake, a 630-02 adapter can be used to move the I-Brake away from the interference.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

(2) Filler block furnished with P.T.O.

(8) Input Gear Part No. 5-P-1004

(25) Input Gear Part No. 5-P-581

(26) Filler block furnished with P.T.O. but not required

January 2008

RTO-10910B-DM2 RTO-14910B-DM3
 RTO-10910B-DM3 RTO-16910B-DM2
 RTO-12910B-DM2 RTO-16910B-DM3
 RTO-12910B-DM3
 RTO-14910B-DM2

REAR SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

REAR -Bolt Opening Gear NON-STANDARD of Centerline

58 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0" (0MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

REAR MOUNT & THRUSHAFT

541-LAU	400	Eng	91				Furnished
541-MAU	350	Eng	117				Furnished
541-NAU	300	Eng	133				Furnished

CAUTION: The Eaton UltraShift DM transmission must have an input signal from the Power Take-Off when it is active. In this active state, the clutch engagement is controlled when the operator raises the engine speed to engage the clutch and drive the transmission main box countershaft. Minimum engine/transmission speed required for PTO operation is 1000 RPM, per Eaton spec. "TRIG-2600". INCORRECT or NO P.T.O. interface signal to the transmission will result in uncontrolled engagement of the clutch during P.T.O. operation.

NOTE: Refer to Eaton Installation Guide "TRIG-2600" for proper wiring diagram showing the interface connections between the P.T.O. indicator switch and the terminal connection on the transmission.

NOTE: The Eaton Inertia Brake comes standard mounted on the bottom 8 bolt opening. If the 8 bolt opening is required for a P.T.O. the Inertia Brake can be relocated to the right side 6 bolt opening. If there is any interference (frame rails, etc.) on the right side when mounting the Inertia Brake, a 630-02 adapter can be used to move the I-Brake away from the interference.

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.

NOTE: The 422XBAH Must use one of the Geared Adapters Listed on the Application Page. Direction of Rotation Shown is the Final Output Shaft Rotation w/ Geared Adapter.

January 2008



El Poder de Mover

FORD



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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FORD TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
S6-650 (Ford Truck Models Prior to January 2007)	ZF-45	6	L39
S6-650 (Ford Trucks Models After January 2007)	ZF-50	6	L39
TORQSHIFT (Ford Super Duty, LCF & International CF)	FRD-9	5	L121



IMPORTANT: See Safety Information
in Section 1 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.

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TORQSHIFT

LEFT SIDE ONLY

NO RIGHT SIDE APPLICATIONS AVAILABLE

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear REAR of Centerline

121 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.3390" (33.7800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

246FMKSP-*2 (A) (1) 120	Opp	154	Furnished
246FMKSP-*4 (B) (1) 120	Opp	154	Furnished

Chelsea CGP-P11 Series Pump Specifications for 4x4 or 4x2 Vehicles (3/4"-11 Tooth Pump Spline)

Order Code	Chelsea Pump Model	Displacement	GPM (1)	Pump (1)	Torque (1)	Continuous Pressure	Max Speed
		in ³ /rev		HP	ft-lbs	PSI	RPM
16	CGP-P11A016-5FC	0.37	2.9	6.0	17.0	3500	4000
26	CGP-P11A026-5FC	0.61	4.9	10.0	28.3	3500	3600
32	CGP-P11A032-5FC	0.73	5.8	12.0	34.0	3500	3300
37	CGP-P11A037-5FC	0.85	6.8	14.0	39.7	3500	3300
42	CGP-P11A042-5FC	0.98	7.8	16.0	45.3	3500	3000
55	CGP-P11A055-5FC	1.28	10.3	17.9	51.0	3000	2800
61	CGP-P11A061-5FC	1.40	11.3	18.0	51.2	2750	2800
71	CGP-P11A071-5FC	1.65	13.2	18.1	51.4	2350	2400
82	CGP-P11A082-5FC	1.89	15.1	18.5	52.7	2100	2300

Chelsea FGP-P17 Series Pump Specifications for 4x2 Vehicles Only (7/8"-13 Tooth Pump Spline)

Order Code	Chelsea Pump Model	Displacement	GPM (1)	Pump (1)	Torque (1)	Continuous Pressure	Max Speed
		in ³ /rev		HP	ft-lbs	PSI	RPM
50	FGP-P17A050-2AN	1.16	9.3	19.6	55.8	3625	3300
66	FGP-P17A066-2AN	1.53	12.2	25.8	73.4	3625	3100
87	FGP-P17A087-2AN	2.01	16.1	34.1	96.8	3625	3100
10	FGP-P17A100-2AN	2.32	18.6	39.2	111.5	3625	3000
14	FGP-P17A137-2AN	3.17	25.4	43.0	122.1	2900	2600

NOTE: FGP-P17 Pumps have a special housing design for mounting to the Ford TorqShift transmission.

Chelsea P16 Series Pump Specifications for 4x2 Vehicles Only (7/8"-13 Tooth Pump Spline)

Order Code	Chelsea Pump Model	Displacement	GPM (1)	Pump (1)	Torque (1)	Continuous Pressure	Max Speed
		in ³ /rev		HP	ft-lbs	PSI	RPM
18	P16-180A-2D1	3.511	28.1	36.1	102.5	2200	2500
20	P16-200A-2D1	3.902	31.2	36.4	103.5	2000	2000

(1)GPM & Pump Input HP @ 1200 Engine RPM & 1848 P.T.O. Output Shaft RPM

WARNING: For Model Year 2005. To guarantee full torque capability at the automatic transmission P.T.O. gear, and the P.T.O., the transmission torque converter must be locked (Engine RPM @ 1200 RPM), and hydraulic line pressure to the P.T.O. clutch must be elevated to a minimum of 110 psi. On Diesel engines the Stationary Elevated Idle Control (SEIC) strategy is 1200 RPM and on the Gas engines Stationary Elevated Idle Control (SEIC) strategy is 900 RPM. Therefore for stationary operations with Gas Engines a discrete signal, which is supplied with Chelsea 246 wire harness 329415X, must be used to elevate engine idle to a minimum of 1200 RPM. Battery voltage must be applied to P.T.O. circuit 2242 (Solid Orange) to begin SEIC strategy for both mobile and stationary applications. Failure to follow these procedures may lead to P.T.O. clutch wear and internal damage to the P.T.O./Transmission. Contact Chelsea Technical Services (662-895-1052) for complete details.

NOTE (A): 246FMKSP-*2 -- 4 x 2 applications, all output options and all pumps listed in the pump chart are available.**NOTE (B):** 246FMKSP-*4 -- 4 x 4 applications only and will come with a modified PGP-P11 (CGP-P11) pump attached to the P.T.O. from the factory when one of the following output option codes is ordered; 16,26,37,42,55,61,71,82. (See Pump Chart)**NOTE:** Standard Parker PGP-P17 pumps may interfere with the transmission shift lever, order Chelsea FGP-P17 Series pumps to assure shifter clearance.**NOTE:** The P.T.O. mounting gasket is not supplied with the P.T.O. Use gasket supplied with the transmission under the 6-bolt cover plate. It is the correct thickness and material so that the customer does not have to set backlash.**NOTE:** Ford provides an option for the use of one of the "Upfitter" Switches to be used as a P.T.O. switch. Chelsea does not recommend the use of the UNPROTECTED switch for P.T.O. function, but if required, contact Chelsea Technical Services for assistance.(662-895-1052)

(1) Input Gear Part No. 5-P-1387

January 2008



GM



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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The products described herein, including without limitation, product features, specifications, designs, availability and pricing, are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

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GM TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
CH-465 (Code MM4 1968 to 1990)	CHV-2	4	L36-R36
GM-20	CHV-2	4	L36-R36
M-20	CHV-2	4	L36-R36
NVG-4500 (Code MT8 1991 to Feb. 1994)	NVG-1	5	L32-R32
NVG-4500 (Code MW3 After Feb. 1994)	NVG-2	5	L30-R30
SM-465 (GMC) (Code MM4 1968 to 1990)	CHV-2	4	L36-R36
1000 (GM 3600 Cab/Chassis)	ALL-17	5	R64



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

January 2008

For transmission not listed, contact your authorized Chelsea Distributor.

1000 (GM 3600 CAB-CHASSIS)

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

64 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

6.8648" (25.6032MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

250GDHVX-*5 (1)	120	Eng	122	Furnished
250GMHVX-*5 (2)	50	Eng	178	Furnished

Pumps for 250 Series

Option Code Number	250 Series Pumps**	Cubic Inch Displacement	Gals/Min @ 1000 R.P.M.	Maximum Pressure (PSI)	Maximum Speed (R.P.M.)
508	CGP-P5C008-1AA	0.18	0.8	4400	4000
510	CGP-P5C010-1AA	0.23	1.0	4400	4000
513	CGP-P5C013-1AA	0.31	1.3	4400	4000
519	CGP-P5C019-1AA	0.44	1.9	4400	3300
1116	CGP-P11C016-1AC	0.37	1.6	4400	4000
1121	CGP-P11C021-1AC	0.49	2.1	4400	4000
1126	CGP-P11C026-1AC	0.60	2.6	4400	3600
1129	CGP-P11C029-1AC	0.67	2.9	4400	3600
1137	CGP-P11C037-1AC	0.85	3.7	4400	3300
1449	CGP-P31C054-1AE	1.24	5.4	3500	3000
1462	CGP-P31C061-1AE	1.43	6.2	3500	3000

** All 250 Series Pumps MUST be Rear Ported

CAUTION: Failure to use the approved provided components may cause premature failure of the power take-off, the transmission and /or the pump/hydraulic system. For MY 2006 and Prior - Installation Kit# 329331X was required for installation of heat shields and plumbing for the pump. For MY 2007 and Later special heat shields and pump plumbing are not required.

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 250 Series on the MY 2007 and later GM 3600 Cab/Chassis requires a wiring harness Chelsea part number 379930. 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.

(1) Input Gear Part No. 5-P-1294
(2) Input Gear Part No. 5-P-1386

January 2008

CH-465
GM-20
M-20
SM-465

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear REAR of Centerline

36 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear REAR of Centerline

36 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

308712(*)	100	Eng	57				Furnished	100XRBQX-*4	125	Eng	57				8000-12X
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442KFBQX-*6 (2)	250	Opp	35				7170-89X	442KFBQX-*4 (2)	250	Opp	35				7170-89X
442KLBQX-*6 (3)	250	Opp	45				7170-89X	442KLBQX-*4 (3)	250	Opp	45				7170-89X
442KQBQX-*6 (3)	225	Opp	48				7170-89X	442KQBQX-*4 (3)	225	Opp	48				7170-89X
442KRBQX-*6 (3)	225	Opp	56				7170-89X	442KRBQX-*4 (3)	225	Opp	56				7170-89X
442KSBQX-*6 (3)	200	Opp	67				7170-89X	442KSBQX-*4 (3)	200	Opp	67				7170-89X
442KUBQX-*6 (3)	195	Opp	80				7170-89X	442KUBQX-*4 (3)	195	Opp	80				7170-89X
442KWBQX-*6 (3)	175	Opp	94				7170-89X	442KWBQX-*4 (3)	175	Opp	94				7170-89X
442KXBQX-*6 (3)	140	Opp	111				7170-89X	442KXBQX-*4 (3)	140	Opp	111				7170-89X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236KDBQX-*6 (3)	250	Opp	36				7170-89X	236KDBQX-*4 (3)	250	Opp	36				7170-89X
236KKBQX-*6 (3)	250	Opp	47				7170-89X	236KKBQX-*4 (3)	250	Opp	47				7170-89X
236KQBQX-*6 (3)	250	Opp	63				7170-89X	236KQBQX-*4 (3)	250	Opp	63				7170-89X
236KUBQX-*6 (3)	225	Opp	72				7170-89X	236KUBQX-*4 (3)	225	Opp	72				7170-89X

ONE SPEED - FORWARD & REVERSE

340XFBQX-*4 (4)	200	Opp	32	33	7-A-140 (5)		7170-2X	340XFBQX-*4 (4)	200	Opp	32	33	7-A-140 (5)		7170-2X
352XSBQX-*6 (3)	140	Opp	68	88			7170-89X	352XSBQX-*4 (3)	140	Opp	68	88			7170-89X

TWO SPEEDS - FORWARD & REVERSE

321XNBQX-*6	140	Opp	96	65			7170-90X	321XNBQX-*4	140	Opp	96	65			7170-90X
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ONE SPEED - DUAL SHAFT

452XSBQX-*6 (3)	140	Opp	68				7170-89X	452XSBQX-*6 (3)	140	Opp	68				7170-89X
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GEARED ADAPTERS

626KBQX-3BP							7170-89X	626KBQX-4BP							7170-89X
630KBQX-3BP							7170-89X	630KBQX-4BP							7170-89X
645KBQX-3BP							7170-89X	645KBQX-4BP							7170-89X

(*) Single Gear P.T.O. with Extra Long Shaft.

(2) Input Gear Part No. 5-P-1084
(3) Input Gear Part No. 5-P-1023
(4) Input Gear Part No. 5-P-720
(5) Filler block furnished with P.T.O.

January 2008

NVG-4500
4500

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

32 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0110" (25.6794MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

32 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.0110" (25.6794MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			
ONE SPEED - TWO GEAR - MECHANICAL SHIFT															
442XLFBX-*5 (1)	250	Opp	48				Furnished	442XLFBX-*3 (1)	250	Opp	48				Furnished
442XQFBX-*5 (1)	225	Opp	52				Furnished	442XQFBX-*3 (1)	225	Opp	52				Furnished
442XRFBX-*5 (1)	225	Opp	60				Furnished	442XRFBX-*3 (1)	225	Opp	60				Furnished
442XSFBX-*5 (1)	200	Opp	72				Furnished	442XSFBX-*3 (1)	200	Opp	72				Furnished
442XUFBX-*5 (1)	195	Opp	85				Furnished	442XUFBX-*3 (1)	195	Opp	85				Furnished
442XWFBX-*5 (1)	175	Opp	100				Furnished	442XWFBX-*3 (1)	175	Opp	100				Furnished
442XXFBX-*5 (1)	140	Opp	119				Furnished	442XXFBX-*3 (1)	140	Opp	119				Furnished
ONE SPEED - FORWARD & REVERSE															
352XSFBX-*5 (1)	140	Opp	73	94			Furnished	352XSFBX-*3 (1)	140	Opp	73	94			Furnished
ONE SPEED - DUAL SHAFT															
452XSFBX-*3 (1)	140	Opp	73				Furnished	452XSFBX-*3 (1)	140	Opp	73				Furnished

NOTE: No adapters available for this application.

NOTE: The 100 series is not released for this transmission because there is no tooth round on the P.T.O. drive gear.

(1) Input Gear Part No. 5-P-1063

January 2008

NVG-4500
4500

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

30 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1200" (30.4800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

30 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1200" (30.4800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			
ONE SPEED - TWO GEAR - MECHANICAL SHIFT															
442XLFCX-*5 (1)	250	Opp	49				Furnished	442XLFCX-*3 (1)	250	Opp	49				Furnished
442XQFCX-*5 (1)	225	Opp	53				Furnished	442XQFCX-*3 (1)	225	Opp	53				Furnished
442XRFCX-*5 (1)	225	Opp	61				Furnished	442XRFCX-*3 (1)	225	Opp	61				Furnished
442XSFCX-*5 (1)	200	Opp	73				Furnished	442XSFCX-*3 (1)	200	Opp	73				Furnished
442XUFCX-*5 (1)	195	Opp	87				Furnished	442XUFCX-*3 (1)	195	Opp	87				Furnished
442XWFCX-*5 (1)	175	Opp	102				Furnished	442XWFCX-*3 (1)	175	Opp	102				Furnished
442XXFCX-*5 (1)	140	Opp	121				Furnished	442XXFCX-*3 (1)	140	Opp	121				Furnished
ONE SPEED - FORWARD & REVERSE															
352XSFCX-*5 (1)	140	Opp	74	96			Furnished	352XSFCX-*3 (1)	140	Opp	74	96			Furnished
ONE SPEED - DUAL SHAFT															
452XSFCX-*3 (1)	140	Opp	74				Furnished	452XSFCX-*3 (1)	140	Opp	74				Furnished

NOTE: The 100 series is not released for this transmission because there is no tooth round on the P.T.O. drive gear.

(1) Input Gear Part No. 5-P-1064

January 2008

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 Chelsea	4.8.6	Parker Hannifin Corporation Chelsea Products Division Olive Branch, MS 38654 USA
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HINO TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
LF05S (MODEL 1415 & 1715)	HNO-9	5	L30
LF05S (MODEL 1415 & 1715 - AFTER JAN. 1999)	HNO-12	5	L29
LF06S (DG Code)	HNO-4	6	L34
LF06S (DH Code)	HNO-6	6	L33
LF06S (DJ Code)	HNO-6	6	L33
LF06S (MODEL 2218 & 2218LP)	HNO-11	6	L34
MG06S (LK Code)	HNO-5	6	L37
MG06S (LL Code)	HNO-8	6	L39



IMPORTANT: See Safety Information
in Section 1 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.

January 2008

LF06S

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

34 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.5370" (64.4400MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	74			328962X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	33		7-A-032 (2)	328962X	Furnished								
221XEAHX-*6	250	Eng	38			328962X	Furnished								
221XLAHX-*6	200	Eng	51			328962X	Furnished								
442XFAHX-*6 (3)	250	Eng	46			328962X	Furnished								
442XHAHX-*6 (4)	250	Eng	53			328962X	Furnished								
442XLAHX-*6 (5)	250	Eng	59			328962X	Furnished								
442XQAHX-*6 (5)	225	Eng	64			328962X	Furnished								
442XRAHX-*6 (5)	225	Eng	74			328962X	Furnished								
442XSAHX-*6 (5)	200	Eng	88			328962X	Furnished								
442XUAHX-*6 (5)	195	Eng	105			328962X	Furnished								
442XWAHX-*6 (5)	175	Eng	123			328962X	Furnished								
442XXAHX-*6 (5)	140	Eng	146			328962X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	48			328962X	Furnished								
236XKAHX-*6 (5)	250	Eng	62			328962X	Furnished								
236XQAHX-*6 (5)	250	Eng	83			328962X	Furnished								
236XUAHX-*6 (5)	225	Eng	95			328962X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	40	42	7-A-140 (2)	328962X	Furnished								
352XSAHX-*6 (5)	140	Eng	89	115		328962X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	89			328962X	Furnished								
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NOTE: The "XQ" output flange can only be used in a number "3" arrangement due to interference between the housing and mounting flange in the number "6" arrangement.

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1077
 (4) Input Gear Part No. 5-P-1364
 (5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-581

MG06S

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

37 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.5430" (64.5900MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442ZFAHX-*6 (1)	250	Eng	57			328993X	Furnished
442ZHAHX-*6 (2)	250	Eng	66			328993X	Furnished
442ZLAHX-*6 (3)	250	Eng	73			328993X	Furnished
442ZQAHX-*6 (3)	225	Eng	79			328993X	Furnished
442ZRAHX-*6 (3)	225	Eng	91			328993X	Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDAHx-*6 (3)	250	Eng	59			328993X	Furnished
236ZKAHX-*6 (3)	250	Eng	76			328993X	Furnished
236ZQAHX-*6 (3)	250	Eng	102			328993X	Furnished
236ZUAHX-*6 (3)	225	Eng	117			328993X	Furnished

ONE SPEED - FORWARD & REVERSE

352ZSAHX-*6 (3)	140	Eng	110	143		328993X	Furnished
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ONE SPEED - DUAL SHAFT

452ZSAHX-*6 (3)	140	Eng	110			328993X	Furnished
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NOTE: Shifttable input gear P.T.O. models will not mount on this adapter because sliding input gear will hit the 19-tooth cluster gear. Also 442 S, U, W and X ratios will not mount to the adapter due to gear interference.

(1) Input Gear Part No. 5-P-1077
 (2) Input Gear Part No. 5-P-1364
 (3) Input Gear Part No. 5-P-1004

LF06S
LF06S

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

33 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.6480" (67.2592MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	77		329293X	329007X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	34		7-A-032 (2) 329293X(T)	329007X	Furnished								
221XEAHX-*6	250	Eng	39		329293X	329007X	Furnished								
221XLAHX-*6	200	Eng	53		329293X	329007X	Furnished								
442XFAHX-*6 (3)	250	Eng	47		329293X	329007X	Furnished								
442XHAHX-*6 (4)	250	Eng	55		329293X	329007X	Furnished								
442XLAHX-*6 (5)	250	Eng	61		329293X	329007X	Furnished								
442XQAHX-*6 (5)	225	Eng	66		329293X	329007X	Furnished								
442XRAHX-*6 (5)	225	Eng	77		329293X	329007X	Furnished								
442XSAHX-*6 (5)	200	Eng	91		329293X	329007X	Furnished								
442XUAHX-*6 (5)	195	Eng	109		329293X	329007X	Furnished								
442XWAHX-*6 (5)	175	Eng	128		329293X	329007X	Furnished								
442XXAHX-*6 (5)	140	Eng	151		329293X	329007X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	49		329293X	329007X	Furnished								
236KCAHX-*6 (5)	250	Eng	64		329293X	329007X	Furnished								
236XQAHX-*6 (5)	250	Eng	86		329293X	329007X	Furnished								
236XUAHX-*6 (5)	225	Eng	98		329293X	329007X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	41	44	7-A-140 (2) 329293X(T)	329007X	Furnished								
352XSAHX-*6 (5)	140	Eng	92	120	329293X	329007X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	92		329293X	329007X	Furnished								
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NOTE: For P.T.O. speeds for DJ transmission, multiply speeds shown by .933. NOTE: The "XQ" output flange can only be used in the number 3 arrangement due to interference between the housing and mounting flange in the number "6" arrangement.

(1) Gear and Shaft Kit No. KXA-2-P-565
(2) Filler block furnished with P.T.O. but not required
(3) Input Gear Part No. 5-P-1077
(4) Input Gear Part No. 5-P-1364
(5) Input Gear Part No. 5-P-1004
(6) Input Gear Part No. 5-P-581

MG06S

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

39 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.3730" (60.2742MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442ZFAHX-*6 (1)	250	Eng	60		23-P-66-3	328993X	Furnished								
442ZHAHX-*6 (2)	250	Eng	70		23-P-66-3	328993X	Furnished								
442ZLAHX-*6 (3)	250	Eng	77		23-P-66-3	328993X	Furnished								
442ZQAHX-*6 (3)	225	Eng	83		23-P-66-3	328993X	Furnished								
442ZRAHX-*6 (3)	225	Eng	96		23-P-66-3	328993X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDAHX-*6 (3)	250	Eng	62		23-P-66-3	328993X	Furnished								
236ZKAHX-*6 (3)	250	Eng	80		23-P-66-3	328993X	Furnished								

ONE SPEED - FORWARD & REVERSE

352ZSAHX-*6 (3)	140	Eng	116	150	23-P-66-3	328993X	Furnished								
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ONE SPEED - DUAL SHAFT

452ZSAHX-*6 (3)	140	Eng	116		23-P-66-3	328993X	Furnished								
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NOTE: Shiftable input gear P.T.O.s along with 442 series in S,U,W, or X ratios will not mount on this adapter. This is due to interference with the cluster gear in the adapter.

(1) Input Gear Part No. 5-P-1077

(2) Input Gear Part No. 5-P-1364

(3) Input Gear Part No. 5-P-1004

January 2008

LF05S

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

30 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.8730" (72.9700MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (1)	250	Eng	35		329293X	329095X	Furnished
442XHAHX-*6 (2)	250	Eng	41		329293X	329095X	Furnished
442XLAHX-*6 (3)	250	Eng	46		329293X	329095X	Furnished
442XQAHX-*6 (3)	225	Eng	49		329293X	329095X	Furnished
442XRAHX-*6 (3)	225	Eng	57		329293X	329095X	Furnished
442XSAHX-*6 (3)	200	Eng	68		329293X	329095X	Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (3)	250	Eng	37		329293X	329095X	Furnished
236XKAHX-*6 (3)	250	Eng	47		329293X	329095X	Furnished
236XQAHX-*6 (3)	250	Eng	64		329293X	329095X	Furnished
236XUAHX-*6 (3)	225	Eng	73		329293X	329095X	Furnished

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (4)	200	Eng	31	33	7-A-140 (5)	329095X	Furnished
					329293X		
352XSAHX-*6 (3)	140	Eng	69	89	329293X	329095X	Furnished

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (3)	140	Eng	69		329293X(T)	329095X	Furnished
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NOTE: Shiftable input gear P.T.O.s along with 442 series in U,W, or X ratios will not mount on this adapter. This is due to interference with the cluster gear in the adapter.

(1) Input Gear Part No. 5-P-1077

(2) Input Gear Part No. 5-P-1364

(3) Input Gear Part No. 5-P-1004

(4) Input Gear Part No. 5-P-581

(5) Filler block furnished with P.T.O. but not required

January 2008

LF06S

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

34 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.5370" (64.4440MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	99			328962X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	44		7-A-032 (2)	328962X	Furnished								
221XEAHX-*6	250	Eng	51			328962X	Furnished								
221XLAHX-*6	200	Eng	68			328962X	Furnished								
221XPAHX-*6	200	Eng	83			328962X	Furnished								
442XFAHX-*6 (3)	250	Eng	61			328962X	Furnished								
442XHAHX-*6 (4)	250	Eng	71			328962X	Furnished								
442XLAHX-*6 (5)	250	Eng	79			328962X	Furnished								
442XQAHX-*6 (5)	225	Eng	86			328962X	Furnished								
442XRAHX-*6 (5)	225	Eng	99			328962X	Furnished								
442XSAHX-*6 (5)	200	Eng	118			328962X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	64			328962X	Furnished								
236XKAHX-*6 (5)	250	Eng	82			328962X	Furnished								
236XQAHX-*6 (5)	250	Eng	111			328962X	Furnished								
236XUAHX-*6 (5)	225	Eng	127			328962X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	54	56	7-A-140 (2)	328962X	Furnished								
352XSAHX-*6 (5)	140	Eng	119	155		328962X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	119			328962X	Furnished								
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NOTE: The "XQ" output flange can only be used in a number 3 arrangement due to interference between the housing and mounting flange in the number 6 arrangement.**NOTE:** Shiftable input gear P.T.O.s along with 442 series in U, W, or X ratios will not mount on this adapter. This is due to interference with the cluster gear in the adapter.

(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-581

LF05S

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

29 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.8730" (72.9742MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (1)	250	Eng	37			329095X	Furnished
442XHAHX-*6 (2)	250	Eng	43			329095X	Furnished
442XLAHX-*6 (3)	250	Eng	48			329095X	Furnished
442XQAHX-*6 (3)	225	Eng	51			329095X	Furnished
442XRAHX-*6 (3)	225	Eng	59			329095X	Furnished
442XSAHX-*6 (3)	200	Eng	71			329095X	Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (3)	250	Eng	39			329095X	Furnished
236XKAHX-*6 (3)	250	Eng	49			329095X	Furnished
236XQAHX-*6 (3)	250	Eng	66			329095X	Furnished
236XUAHX-*6 (3)	225	Eng	76			329095X	Furnished

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (4)	200	Eng	32	34	7-A-140 (5)	329095X	Furnished
352XSAHX-*6 (3)	140	Eng	71	92		329095X	Furnished

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (3)	140	Eng	71			329095X	Furnished
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NOTE: Shiftable input gear P.T.O.s along with 442 series in U,W, or X ratios will not mount on this adapter. This is due to interference with the cluster gear in the adapter.

- (1) Input Gear Part No. 5-P-1077
 (2) Input Gear Part No. 5-P-1364
 (3) Input Gear Part No. 5-P-1004
 (4) Input Gear Part No. 5-P-581
 (5) Filler block furnished with P.T.O.

January 2008



ET-RODnet-De-Mover

ISUZU



WARNING

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ISUZU TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
ISUZU (ELECTROMATIC 1989 Model Year)	IZU-9	4	L63
MBD-5A (Spicer Australia Only)	IZU-8	5	L34
MBG-5A	IZU-8	5	L34
MBG-5B	IZU-1	5	L35
MBG-5C (Spicer Australia Only)	IZU-7	5	L34
MBG-5F	IZU-2	5	L37
MBG-5H	IZU-1	5	L35
MBP-6P	IZU-13	6	L28
MLD-6C	IZU-6	6	L33
MLD-6E	IZU-5	6	L34
MLD-6F	IZU-10	6	L35
MLD-6Q	IZU-11	6	L36
MLH-5G	IZU-3	5	L40
MZZ-6U (Will replace the MSA5D beginning in 2002)	IZU-17	6	L37
450-43LE (Case Serial # 8D3394 and Later)	IZU-12	4	L58



IMPORTANT: See Safety Information in Section 1 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.

January 2008

MBG-5B
MBG-5H

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

35 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.2970" (32.9440MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	68			328960-1X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	30		7-A-032 (2)	328960-1X	Furnished								
221XEAHX-*6	250	Eng	35			328960-1X	Furnished								
221XLAHX-*6	200	Eng	47			328960-1X	Furnished								
221XPAHX-*6	200	Eng	57			328960-1X	Furnished								
442XFAHX-*6 (3)	250	Eng	42			328960-1X	Furnished								
442XHAHX-*6 (4)	250	Eng	49			328960-1X	Furnished								
442XLAHX-*6 (5)	250	Eng	55			328960-1X	Furnished								
442XQAHX-*6 (5)	225	Eng	59			328960-1X	Furnished								
442XRAHX-*6 (5)	225	Eng	68			328960-1X	Furnished								
442XSAHX-*6 (5)	200	Eng	81			328960-1X	Furnished								
442XUAHX-*6 (5)	195	Eng	97			328960-1X	Furnished								
442XWAHX-*6 (5)	175	Eng	114			328960-1X	Furnished								
442XXAHX-*6 (5)	140	Eng	135			328960-1X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	45			328960-1X	Furnished								
236KKAHX-*6 (5)	250	Eng	57			328960-1X	Furnished								
236XQAHX-*6 (5)	250	Eng	77			328960-1X	Furnished								
236XUAHX-*6 (5)	225	Eng	88			328960-1X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	37	39	7-A-140(P)(2)	328960-1X	Furnished								
340XFAHX-*5 (6)	200	Eng	37	39	7-A-140(P)(2)	328960-1X	Furnished								
352XSAHX-*6 (5)	140	Eng	82	107		328960-1X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	82			328960-1X	Furnished								
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(1) Gear and Shaft Kit No. KXA-2-P-565
(2) Filler block furnished with P.T.O.
(3) Input Gear Part No. 5-P-1077
(4) Input Gear Part No. 5-P-1364
(5) Input Gear Part No. 5-P-1004
(6) Input Gear Part No. 5-P-581

MBG-5F

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

37 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.1460" (29.1080MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	85			328960-2X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	38		7-A-032(P)(2)	328960-2X	Furnished								
221XEAHX-*6	250	Eng	44			328960-2X	Furnished								
221XLAHX-*6	200	Eng	59			328960-2X	Furnished								
221XPAHX-*6	200	Eng	71			328960-2X	Furnished								
442XFAHX-*6 (3)	250	Eng	53			328960-2X	Furnished								
442XHAHX-*6 (4)	250	Eng	61			328960-2X	Furnished								
442XLAHX-*6 (5)	250	Eng	68			328960-2X	Furnished								
442XQAHX-*6 (5)	225	Eng	74			328960-2X	Furnished								
442XRAHX-*6 (5)	225	Eng	85			328960-2X	Furnished								
442XSAHX-*6 (5)	200	Eng	102			328960-2X	Furnished								
442XUAHX-*6 (5)	195	Eng	121			328960-2X	Furnished								
442XWAHX-*6 (5)	175	Eng	142			328960-2X	Furnished								
442XXAHX-*6 (5)	140	Eng	168			328960-2X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	55			328960-2X	Furnished								
236XKAHX-*6 (5)	250	Eng	71			328960-2X	Furnished								
236XQAHX-*6 (5)	250	Eng	95			328960-2X	Furnished								
236XUAHX-*6 (5)	225	Eng	109			328960-2X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	46	48	7-A-140(P)(2)	328960-2X	Furnished								
352XSAHX-*6 (5)	140	Eng	103	133		328960-2X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	103			328960-2X	Furnished								
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(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-581

January 2008

MLH-5G

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

40 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.3040" (58.5200MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1)	125	Opp	97			328983X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Eng	43		7-A-032(P)(2)	328983X	Furnished								
221XEAHX-*5	250	Eng	50			328983X	Furnished								
221XLAHX-*5	200	Eng	67			328983X	Furnished								
221XPAHX-*5	200	Eng	81			328983X	Furnished								
442XFAHX-*5 (3)	250	Eng	60			328983X	Furnished								
442XHAHX-*5 (4)	250	Eng	70			328983X	Furnished								
442XLAHX-*5 (5)	250	Eng	78			328983X	Furnished								
442XQAHX-*5 (5)	225	Eng	84			328983X	Furnished								
442XRAHX-*5 (5)	225	Eng	97			328983X	Furnished								
442XSAHX-*5 (5)	200	Eng	115			328983X	Furnished								
442XUAHX-*5 (5)	195	Eng	137			328983X	Furnished								
442XWAHX-*5 (5)	175	Eng	162			328983X	Furnished								
442XXAHX-*5 (5)	140	Eng	191			328983X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*5 (5)	250	Eng	63			328983X	Furnished								
236XKAHX-*5 (5)	250	Eng	81			328983X	Furnished								
236XQAHX-*5 (5)	250	Eng	109			328983X	Furnished								
236XUAHX-*5 (5)	225	Eng	124			328983X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (6)	200	Eng	52	55	7-A-140(P)(2)	328983X	Furnished								
352XSAHX-*5 (5)	140	Eng	117	151		328983X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*5 (5)	140	Eng	117			328983X	Furnished								
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(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-581

January 2008

MLD-6E

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

3.0650" (77.8510MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	79		23-P-65-1(T)	328985X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	35		7-A-032(P)(2) 23-P-65-1(T)	328985X	Furnished								
221XEAHX-*6	250	Eng	40		23-P-65-1(T)	328985X	Furnished								
221XLAHX-*6	200	Eng	54		23-P-65-1(T)	328985X	Furnished								
221XPAHX-*6	200	Eng	66		23-P-65-1(T)	328985X	Furnished								
442XFAHX-*6 (3)	250	Eng	49		23-P-65-1(T)	328985X	Furnished								
442XHAHX-*6 (4)	250	Eng	57		23-P-65-1(T)	328985X	Furnished								
442XLAHX-*6 (5)	250	Eng	63		23-P-65-1(T)	328985X	Furnished								
442XQAHX-*6 (5)	225	Eng	68		23-P-65-1(T)	328985X	Furnished								
442XRAHX-*6 (5)	225	Eng	79		23-P-65-1(T)	328985X	Furnished								
442XSAHX-*6 (5)	200	Eng	94		23-P-65-1(T)	328985X	Furnished								
442XUAHX-*6 (5)	195	Eng	112		23-P-65-1(T)	328985X	Furnished								
442XWAHX-*6 (5)	175	Eng	131		23-P-65-1(T)	328985X	Furnished								
442XXAHX-*6 (5)	140	Eng	155		23-P-65-1(T)	328985X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	51		23-P-65-1(T)	328985X	Furnished								
236XKAHX-*6 (5)	250	Eng	66		23-P-65-1(T)	328985X	Furnished								
236XQAHX-*6 (5)	250	Eng	88		23-P-65-1(T)	328985X	Furnished								
236XUAHX-*6 (5)	225	Eng	101		23-P-65-1(T)	328985X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	43	45	7-A-140(P)(2) 23-P-65-1(T)	328985X	Furnished								
352XSAHX-*6 (5)	140	Eng	95	123	23-P-65-1(T)	328985X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	95		23-P-65-1(T)	328985X	Furnished								
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NOTE: Adapter 328985X is required to mount a P.T.O. on this transmission, and may be mounted with the S.A.E. 6-Bolt pad in either direction.

(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-581

MLD-6C

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

33 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

3.1412" (79.7864MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	82			328985X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	36		7-A-032(P)(2)	328985X	Furnished								
221XEAHX-*6	250	Eng	42			328985X	Furnished								
221XLAHX-*6	200	Eng	56			328985X	Furnished								
221XPAHX-*6	200	Eng	68			328985X	Furnished								
442XFAHX-*6 (3)	250	Eng	51			328985X	Furnished								
442XHAHX-*6 (4)	250	Eng	59			328985X	Furnished								
442XLAHX-*6 (5)	250	Eng	66			328985X	Furnished								
442XQAHX-*6 (5)	225	Eng	71			328985X	Furnished								
442XRAHX-*6 (5)	225	Eng	82			328985X	Furnished								
442XSAHX-*6 (5)	200	Eng	97			328985X	Furnished								
442XUAHX-*6 (5)	195	Eng	116			328985X	Furnished								
442XWAHX-*6 (5)	175	Eng	136			328985X	Furnished								
442XXAHX-*6 (5)	140	Eng	161			328985X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	53			328985X	Furnished								
236XKAHX-*6 (5)	250	Eng	68			328985X	Furnished								
236XQAHX-*6 (5)	250	Eng	91			328985X	Furnished								
236XUAHX-*6 (5)	225	Eng	105			328985X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	44	46	7-A-140(P)(2)	328985X	Furnished								
352XSAHX-*6 (5)	140	Eng	99	128		328985X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	99			328985X	Furnished								
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NOTE: Adapter 328985X is required to mount a P.T.O. on this transmission, and may be mounted with the S.A.E. 6-Bolt pad in either direction.

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1077
 (4) Input Gear Part No. 5-P-1364
 (5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-581

MBG-5C

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

34 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

3.1550" (80.1370MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	66				329017X	Furnished							
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6 (2)	250	Eng	30				329017X	Furnished							
221XEAHX-*6 (3)	250	Eng	34				329017X	Furnished							
221XLAHX-*6 (3)	200	Eng	46				329017X	Furnished							
221XPAHX-*6 (3)	200	Eng	55				329017X	Furnished							
442XFAHX-*6 (4)	250	Eng	41				329017X	Furnished							
442XHAHX-*6 (5)	250	Eng	48				329017X	Furnished							
442XLAHX-*6 (6)	250	Eng	53				329017X	Furnished							
442XQAHX-*6 (6)	225	Eng	57				329017X	Furnished							
442XRAHX-*6 (6)	225	Eng	66				329017X	Furnished							
442XSAHX-*6 (6)	200	Eng	79				329017X	Furnished							
442XUAHX-*6 (6)	195	Eng	94				329017X	Furnished							
442XWAHX-*6 (6)	175	Eng	111				329017X	Furnished							
442XXAHX-*6 (6)	140	Eng	131				329017X	Furnished							

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (6)	250	Eng	43				329017X	Furnished							
236XKAHX-*6 (6)	250	Eng	55				329017X	Furnished							
236XQAHX-*6 (6)	250	Eng	75				329017X	Furnished							
236XUAHX-*6 (6)	225	Eng	85				329017X	Furnished							

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (7)	200	Eng	36	38	7-4-140(P) 7-A-140 (8)		329017X	Furnished							
352XSAHX-*6 (6)	140	Eng	80	104			329017X	Furnished							

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (6)	140	Eng	80				329017X	Furnished							
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NOTE: Adapter 329017X is required to convert the non-standard opening to a standard S.A.E. 6-bolt opening.

(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Input Gear Part No. 5-P-319

(3) Input Gear Part No. 5-P-202

(4) Input Gear Part No. 5-P-1077

(5) Input Gear Part No. 5-P-1364

(6) Input Gear Part No. 5-P-1004

(7) Input Gear Part No. 5-P-581

(8) Filler block furnished with P.T.O.

MBD-5A
MBG-5A

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

34 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

3.1550" (80.1370MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	72					329017-1X	Furnished						
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6 (2)	250	Eng	32					329017-1X	Furnished						
221XEAHX-*6 (3)	250	Eng	37					329017-1X	Furnished						
221XLAHX-*6 (3)	200	Eng	50					329017-1X	Furnished						
221XPAHX-*6 (3)	200	Eng	60					329017-1X	Furnished						
442XFAHX-*6 (4)	250	Eng	44					329017-1X	Furnished						
442XHAHX-*6 (5)	250	Eng	51					329017-1X	Furnished						
442XLAHX-*6 (6)	250	Eng	57					329017-1X	Furnished						
442XQAHX-*6 (6)	225	Eng	62					329017-1X	Furnished						
442XRAHX-*6 (6)	225	Eng	72					329017-1X	Furnished						
442XSAHX-*6 (6)	200	Eng	85					329017-1X	Furnished						
442XUAHX-*6 (6)	195	Eng	102					329017-1X	Furnished						
442XWAHX-*6 (6)	175	Eng	120					329017-1X	Furnished						
442XXAHX-*6 (6)	140	Eng	141					329017-1X	Furnished						

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (6)	250	Eng	46					329017-1X	Furnished						
236XKAHX-*6 (6)	250	Eng	60					329017-1X	Furnished						
236XQAHX-*6 (6)	250	Eng	81					329017-1X	Furnished						
236XUAHX-*6 (6)	225	Eng	92					329017-1X	Furnished						

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (7)	200	Eng	39	41	7-A-140 (8)			329017-1X	Furnished						
352XSAHX-*6 (6)	140	Eng	86	112				329017-1X	Furnished						

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (6)	140	Eng	86					329017-1X	Furnished						
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NOTE: Adapter 329017X is required to convert the non-standard opening to a standard S.A.E. 6 bolt opening.

(1) Gear and Shaft Kit No. KXA-2-P-565
(2) Input Gear Part No. 5-P-319
(3) Input Gear Part No. 5-P-202
(4) Input Gear Part No. 5-P-1077
(5) Input Gear Part No. 5-P-1364
(6) Input Gear Part No. 5-P-1004

(7) Input Gear Part No. 5-P-581
(8) Filler block furnished with P.T.O.

ISUZU

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear NON-STANDARD of Centerline

63 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.2970" (32.9438MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

440JQFAX-*5 (1)	225	Eng	147				Furnished								
442JQFAX-*5 (1)	225	Eng	147				Furnished								
442JRFAX-*5 (1)	225	Eng	170				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

270JGFAP-*5 (2)	175	Eng	98				Furnished								
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NOTE: One of two shift options should be used for the 440 series on this application: "B" for a special hydraulic shift cover, or "Z" for an E-Zshift cover.**NOTE:** "B" shift option includes hydraulic shift cover 329191X for the 440 series and installation kit 329070X.**NOTE:** 440 series speed with torque converter slip = 109%.**NOTE:** 270 series speed with torque converter slip = 74%.**NOTE:** As of 1995 model year there will be some Jatco Automatic transmissions with no P.T.O. drive gears. These should be labeled with a sticker on the aperture cover which states "No PTO Drive Gear".

(1) Input Gear Part No. 5-P-894

(2) Input Gear Part No. 5-P-882

MLD-6F

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

35 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.9900" (75.9460MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	81		23-P-65-2(T)	328985X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	36		7-A-032(P)(2) 23-P-65-2(T)	328985X	Furnished								
221XEAHX-*6	250	Eng	42		23-P-65-2(T)	328985X	Furnished								
221XLAHX-*6	200	Eng	56		23-P-65-2(T)	328985X	Furnished								
221XPAHX-*6	200	Eng	68		23-P-65-2(T)	328985X	Furnished								
442XFAHX-*6 (3)	250	Eng	50		23-P-65-2(T)	328985X	Furnished								
442XHAHX-*6 (4)	250	Eng	58		23-P-65-2(T)	328985X	Furnished								
442XLAHX-*6 (5)	250	Eng	65		23-P-65-2(T)	328985X	Furnished								
442XQAHX-*6 (5)	225	Eng	70		23-P-65-2(T)	328985X	Furnished								
442XRAHX-*6 (5)	225	Eng	81		23-P-65-2(T)	328985X	Furnished								
442XSAHX-*6 (5)	200	Eng	96		23-P-65-2(T)	328985X	Furnished								
442XUAHX-*6 (5)	195	Eng	115		23-P-65-2(T)	328985X	Furnished								
442XWAHX-*6 (5)	175	Eng	135		23-P-65-2(T)	328985X	Furnished								
442XXAHX-*6 (5)	140	Eng	160		23-P-65-2(T)	328985X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	53		23-P-65-2(T)	328985X	Furnished								
236XKAHX-*6 (5)	250	Eng	67		23-P-65-2(T)	328985X	Furnished								
236XQAHX-*6 (5)	250	Eng	91		23-P-65-2(T)	328985X	Furnished								
236XUAHX-*6 (5)	225	Eng	104		23-P-65-2(T)	328985X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	44	46	7-A-140(P)(2) 23-P-62-2(T)	328985X	Furnished								
352XSAHX-*6 (5)	140	Eng	98	126	23-P-65-2(T)	328985X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	98		23-P-65-2(T)	328985X	Furnished								
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NOTE: Adapter 328985X is required to mount most P.T.O.s on this transmission, and may be mounted with the 6-Bolt pad in either direction.

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1077
 (4) Input Gear Part No. 5-P-1364
 (5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-581

MLD-6Q

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear NON-STANDARD of Centerline

36 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.7150 (68.9610MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	101		329308X	328985X	328170-202X								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	45		7-A-032(P)(2) 329308X(T)	328985X	328170-202X								
221XEAHX-*6	250	Eng	52		329308X	328985X	328170-202X								
221XLAHX-*6	200	Eng	70		329308X	328985X	328170-202X								
221XPAHX-*6	200	Eng	85		329308X	328985X	328170-202X								
442XFAHX-*6 (3)	250	Eng	63		329308X	328985X	328170-202X								
442XHAHX-*6 (4)	250	Eng	73		329308X	328985X	328170-202X								
442XLAHX-*6 (5)	250	Eng	81		329308X	328985X	328170-202X								
442XQAHX-*6 (5)	225	Eng	88		329308X	328985X	328170-202X								
442XRAHX-*6 (5)	225	Eng	101		329308X	328985X	328170-202X								
442XSAHX-*6 (5)	200	Eng	121		329308X	328985X	328170-202X								
442XUAHX-*6 (5)	195	Eng	144		329308X	328985X	328170-202X								
442XWAHX-*6 (5)	175	Eng	169		329308X	328985X	328170-202X								
442XXAHX-*6 (5)	140	Eng	200		329308X	328985X	328170-202X								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (5)	250	Eng	66		329308X	328985X	328170-202X								
236XKAHX-*6 (5)	250	Eng	84		329308X	328985X	328170-202X								
236XQAHX-*6 (5)	250	Eng	113		329308X	328985X	328170-202X								
236XUAHX-*6 (5)	225	Eng	130		329308X	328985X	328170-202X								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (6)	200	Eng	55	58	7-A-140(P)(2) 329308X(T)	328985X	328170-202X								
352XSAHX-*6 (5)	140	Eng	122	158	329308X	328985X	328170-202X								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	122		329308X	328985X	328170-202X								
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NOTE: Adapter 328985X is required to mount most P.T.O.s on this transmission, and may be mounted with the S.A.E. 6-Bolt pad in either direction.

(1) Gear and Shaft Kit No. KXA-2-P-565

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-581

A450-43LE
450-43LE

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 6-Bolt Opening Gear FORWARD of Centerline

58 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0880" (27.6352MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (HYDRAULIC)

270AAKUP-*5 (1)	210	Eng	55				Furnished
270ABKUP-*5 (2)	163	Eng	71				Furnished
270ADKUP-*5 (3)	139	Eng	82				Furnished
270AKKUP-*5 (4)	104	Eng	111				Furnished
270AQKUP-*5 (5)	78	Eng	148				Furnished

NOTE: When ordering the 270 "A", the hose kit 329246X and metric stud kit 328170-205X is furnished with the P.T.O. The hose kit and metric stud kit are required for completing the 270 Series installation. The 329246X kit supplies hoses for the low pressure lube, high pressure oil, and drain back oil.

NOTE: The torque ratings shown for the 270 Series are based on the maximum allowable torque capacity of the P.T.O. drive gear in the transmission.

NOTE: The P.T.O.s shown on this application page will fit Isuzu NQR model trucks with serial number X7901741 and later only.

NOTE: The P.T.O.s shown on this application page will fit Isuzu NPR model trucks with wheel bases of 109" or 132" and a serial number of X7006763 and later.

NOTE: The P.T.O.s shown on this application page will also fit the same NPR model trucks with wheel bases of 150" and 176" after August of 1998 and serial number of X7006763 and later.

NOTE: The serial number is the last eight digits found on the VIN plate which is located in the cab behind the driver.

- (1) Input Gear Part No. 5-P-1353
- (2) Input Gear Part No. 5-P-1354
- (3) Input Gear Part No. 5-P-1355
- (4) Input Gear Part No. 5-P-1356
- (5) Input Gear Part No. 5-P-1359

January 2008

MBP-6P

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 8-Bolt Opening Gear CENTER of Centerline

28 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.8560" (47.1424MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

447XQEVX-*6 (1)	225	Eng	36			329244X	Furnished								
447XREVV-*6 (2)	225	Eng	42			329244X	Furnished								
447XSJXX-*6 (3)	200	Eng	50			329244X	Furnished								
447XUJXX-*6 (4)	195	Eng	60			329244X	Furnished								

NOTE: This is a non-standard 8 bolt opening. The 329244X adapter converts the opening to a standard SAE 6 bolt opening. The gears in the adapter are 43-P-162 and 43-P-163.

NOTE: The old 447XSEVX with a 5-P-1206, the 447XUEVX with a 5-P-1207, and the 447XWEVX with a 5-P-1208, will not mount on this transmission due to interference between the hub of the P.T.O. input gear and the outside diameter of the adapter gear 43-P-163.

- (1) Input Gear Part No. 5-P-1205
 (2) Input Gear Part No. 5-P-1219
 (3) Input Gear Part No. 5-P-1270
 (4) Input Gear Part No. 5-P-1271

January 2008

MZZ-6U

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.2850" (32.6390MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	67			328960-3X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (2)	250	Eng	42			328960-3X	Furnished								
442XHAHX-*6 (3)	250	Eng	49			328960-3X	Furnished								
442XLAHX-*6 (4)	250	Eng	54			328960-3X	Furnished								
442XQAHX-*6 (4)	225	Eng	58			328960-3X	Furnished								
442XRAHX-*6 (4)	225	Eng	68			328960-3X	Furnished								
442XSAHX-*6 (4)	200	Eng	80			328960-3X	Furnished								
442XUAHX-*6 (4)	195	Eng	96			328960-3X	Furnished								
442XWAHX-*6 (4)	175	Eng	113			328960-3X	Furnished								
442XXAHX-*6 (4)	140	Eng	127			328960-3X	Furnished								

ONE SPEED - FORWARD & REVERSE

352XSAHX-*6 (4)	140	Eng	81	105		328960-3X	Furnished								
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ONE SPEED - DUAL SHAFT

452XSAHX-*6 (4)	140	Eng	81			328960-3X	Furnished								
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(1) Gear and Shaft Kit No. KXA-2-P-565
(2) Input Gear Part No. 5-P-1077
(3) Input Gear Part No. 5-P-1364
(4) Input Gear Part No. 5-P-1004



El Poder de Mover

MACK



WARNING

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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MACK TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
D107	MAK-18	10	L37-R37
D1070	MAK-19	10	L37-R37
DX1070	MAK-16	6	L34-R34
DX1071	MAK-16	6	L34-R34
DX1078	MAK-16	6	L34-R34
DX10780	MAK-16	6	L34-R34
DX10781	MAK-16	6	L34-R34
G1070	MAK-19	7	L37-R37
QL7220	MAK-17	20	L38-R38
T1060 (Renault BDSL-181)	RNT-1	6	R33
T107	MAK-18	6	L37-R37
T1070	MAK-19	12	L37-R37
T1070-B	MAK-19	12	L37-R37
T1090 (Renault G-409-0)	RNT-6	9	R53
T1100 (Renault BDSL-2142R)	RNT-2	10	R53
T2050	MAK-25	5	L54-R54
T2050-C	MAK-29	5	L48-R48
T2060	MAK-25	6	L54-R54
T2060-A	MAK-30	6	L40-R40
T2060-C	MAK-29	6	L48-R48
T2070	MAK-25	7	L54-R54
T2070-A (Front Box)	MAK-25	7	L54-R54
T2070-A (Rear Box)	MAK-26	7	L49-R49
T2070-B (Front Box)	MAK-25	7	L54-R54
T2070-B (Rear Box)	MAK-26	7	L49-R49
T2070-C	MAK-29	7	L48-R48
T2070-D (Front Box)	MAK-29	7	L48-R48
T2070-D (Rear Box)	MAK-26	7	L49-R49
T2070-F	MAK-25	7	L54-R54
T2080	MAK-25	8	L54-R54
T2080-B (Front Box)	MAK-25	8	L54-R54
T2080-B (Rear Box)	MAK-26	8	L49-R49
T2080-C	MAK-29	8	L48-R48
T2080-D (Front Box)	MAK-29	8	L48-R48
T2080-D (Rear Box)	MAK-26	8	L49-R49
T2090	MAK-23	9	L54-R54



IMPORTANT: See Safety Information
in Section 1 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.

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MACK TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
T2090-L	MAK-23	9	L54-R54
T2100	MAK-24	10	L54-R54
T2110-B (REAR BOX FOR T2110B)	MAK-31	11	L49-R49
T2110-B (FRONT BOX FOR T2110B)	MAK-24	11	L54-R54
T2130 (Front Box)	MAK-23	13	L54-R54
T2130 (Rear Box)	MAK-28	13	L49-R49
T2130-B (Front Box)	MAK-23	13	L54-R54
T2130-B (Rear Box)	MAK-28	12	L49-R49
T2180 (Front Box)	MAK-23	18	L54-R54
T2180 (Rear Box)	MAK-27	18	L49-R49
T2180-B (Front Box)	MAK-23	18	L54-R54
T2180-B (Rear Box)	MAK-27	18	L49-R49
T305	MAK-25	5	L54-R54
T306	MAK-25	6	L54-R54
T306G	MAK-30	6	L40-R40
T307	MAK-25	7	L54-R54
T307M (Front Box)	MAK-25	7	L54-R54
T307M (Rear Box)	MAK-26	7	L49-R49
T308	MAK-25	8	L54-R54
T308M (Front Box)	MAK-25	8	L54-R54
T308M (Rear Box)	MAK-26	8	L49-R49
T309	MAK-23	9	L54-R54
T309L	MAK-23	9	L54-R54
T309LR	MAK-23	9	L54-R54
T310 (T310 is a standard 10 speed with no rear box)	MAK-32	10	L53-R53
T310-M (Front Box)	MAK-32	13	L53-R53
T310-M (Rear Box)	MAK-27	13	L49-R49
T310-MLR (Front Box)	MAK-23	13	L54-R54
T310-MLR (Rear Box)	MAK-27	13	L49-R49
T310ME (Front box, same as T-310M except long output flange for rear mount PTO)	MAK-32	10	L53-R53
T310ME (Rear box, same as T310M except output flange extended for rear mount PTO)	MAK-27	10	L49-R49
T313L (Front Box)	MAK-23	13	L54-R54
T313L (Rear Box)	MAK-28	13	L49-R49
T313L21 (Front Box)	MAK-23	13	L54-R54
T313L21 (Rear Box)	MAK-28	13	L49-R49
T313LR (Front Box)	MAK-23	13	L54-R54
T313LR (Rear Box)	MAK-28	13	L49-R49

Transmission P.T.O. Driver & Apertures (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.



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

MACK TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
T313LR21 (Front Box)	MAK-23	13	L54-R54
T313LR21 (Rear Box)	MAK-28	13	L49-R49
T318L (Front Box)	MAK-23	18	L54-R54
T318L (Rear Box)	MAK-27	18	L49-R49
T318L21 (Front Box)	MAK-23	18	L54-R54
T318L21 (Rear Box)	MAK-27	18	L49-R49
T318LR (Front Box)	MAK-23	18	L54-R54
T318LR (Rear Box)	MAK-27	18	L49-R49
T318LR21 (Front Box)	MAK-23	18	L54-R54
T318LR21 (Rear Box)	MAK-27	18	L49-R49
TM308	MAK-33	8	L54-R54
TM308M (Rear Box)	MAK-26	8	L49-R49
TM308M (Front box)	MAK-23	8	L54-R54
TM309	MAK-33	9	L54-R54
TR720-7220	MAK-17	5	L38-R38
TRD7250	MAK-17	10	L38-R38
TRDL107	MAK-18	10	L37-R37
TRDL1070	MAK-19	10	L37-R37
TRDL720-7220	MAK-17	10	L38-R38
TRDLG1070	MAK-19	7	L37-R37
TRDX720-7220	MAK-17	10	L38-R38
TRDXL107	MAK-16	6	L34-R34
TRDXL1070	MAK-16	6	L34-R34
TRDXL1071	MAK-16	6	L34-R34
TRDXL1078	MAK-16	6	L34-R34
TRDXL10780	MAK-16	6	L34-R34
TRDXL10781	MAK-16	6	L34-R34
TRDXT720-7220	MAK-17	10	L38-R38
TRL107	MAK-22	5	L34-R34
TRL1076	MAK-16	5	L34-R34
TRL10760	MAK-20	5	L34-R34
TRL1078	MAK-16	5	L34-R34
TRL10780	MAK-20	5	L34-R34
TRQL7220	MAK-17	20	L38-R38
TRT720-7220	MAK-17	15	L38-R38
TRTL720-7220	MAK-17	15	L38-R38
TRTXL107	MAK-18	12	L37-R37

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.



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

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MACK TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
TRTXL1070	MAK-19	12	L37-R37
TRTXL1070-B	MAK-19	12	L37-R37
TRXL107	MAK-18	6	L37-R37
TRXL107-A	MAK-18	6	L37-R37
TRXL1070	MAK-21	6	L37-R37
TRXL1070-A	MAK-21	6	L37-R37
TRXL1071	MAK-18	6	L37-R37
TRXL1071-A	MAK-18	6	L37-R37
TRXL10710	MAK-21	6	L37-R37
TRXL1076	MAK-16	6	L34-R34
TX2060	MAK-25	7	L54-R54
X107	MAK-18	5	L37-R37
X107-A	MAK-18	6	L37-R37
X1070	MAK-21	6	L37-R37
X1070-A	MAK-21	6	L37-R37
X1071	MAK-18	5	L37-R37
X1071-A	MAK-18	6	L37-R37
X10710	MAK-21	6	L37-R37
X10710-A	MAK-21	6	L37-R37
X2060	MAK-25	7	L54-R54
107	MAK-22	5	L34-R34
1076	MAK-16	5	L34-R34
10760	MAK-20	5	L34-R34
1078	MAK-16	5	L34-R34
10780	MAK-20	5	L34-R34
2050	MAK-25	5	L54-R54
2060	MAK-25	6	L54-R54
2090	MAK-23	9	L54-R54
2100	MAK-24	10	L54-R54



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

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For transmission not listed, contact your authorized Chelsea Distributor.

1076	DX10780	TRDXL1078	TRXL1076
1078	DX10781	TRDXL10780	
DX1070	TRDXL107	TRDXL10781	
DX1071	TRDXL1070	TRL1076	
DX1078	TRDXL1071	TRL1078	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1) 125 Opp 72 328530-1X 328291-17X

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*5	250	Opp	32		7-A-032 (2)	328564X	Furnished	221XCAHX-*3	250	Eng	32		7-A-032 (2)	328530-1X	328170-83X
221ZEAHX-*5	250	Opp	37			328564X	Furnished	221XEAHX-*3	250	Eng	37			328530-1X	328170-83X
221ZLAHX-*5	200	Opp	50			328564X	Furnished	221XLAHX-*3	200	Eng	50			328530-1X	328170-83X
221ZPAHX-*5	200	Opp	60			328564X	Furnished	221XPAHX-*3	200	Eng	60			328530-1X	328170-83X
442ZAAHX-*5 (3)	250	Opp	28			328564X	Furnished	442KFAHX-*3 (5)	250	Eng	45			328530-1X	7170-16X
442ZCAHX-*5 (4)	250	Opp	36			328564X	Furnished	442KHAHX-*3 (6)	250	Eng	52			328530-1X	7170-16X
442ZFAHX-*5 (5)	250	Opp	45			328564X	Furnished	442KLAHX-*3 (7)	250	Eng	58			328530-1X	7170-16X
442ZHAHX-*5 (6)	250	Opp	52			328564X	Furnished	442KQAHX-*3 (7)	225	Eng	62			328530-1X	7170-16X
442ZLAHX-*5 (7)	250	Opp	58			328564X	Furnished	442KRAHX-*3 (7)	225	Eng	72			328530-1X	7170-16X
442ZQAHX-*5 (7)	225	Opp	62			328564X	Furnished	442KSAHX-*3 (7)	200	Eng	86			328530-1X	7170-16X
442ZRAHX-*5 (7)	225	Opp	72			328564X	Furnished	442KUAHX-*3 (7)	195	Eng	102			328530-1X	7170-16X
442ZSAHX-*5 (7)	200	Opp	86			328564X	Furnished	442KWAHX-*3 (7)	175	Eng	121			328530-1X	7170-16X
442ZUAHX-*5 (7)	195	Opp	102			328564X	Furnished	442KXAHX-*3 (7)	140	Eng	143			328530-1X	7170-16X
442ZWAHX-*5 (7)	175	Opp	121			328564X	Furnished								
442ZXAHX-*5 (7)	140	Opp	143			328564X	Furnished								
489XAAHX-*5 (3)	250	Opp	28				Furnished								
489XCAHX-*5 (4)	250	Opp	36				Furnished								
489XFAHX-*5 (5)	250	Opp	45				Furnished								
489XHAHX-*5 (6)	250	Opp	52				Furnished								
489XLAHX-*5 (7)	250	Opp	58				Furnished								
489XQAHX-*5 (7)	225	Opp	62				Furnished								
489XRAHX-*5 (7)	225	Opp	72				Furnished								
489XSAHX-*5 (7)	200	Opp	86				Furnished								
489XUAHX-*5 (7)	195	Opp	102				Furnished								
489XWAHX-*5 (7)	175	Opp	121				Furnished								
489XXAHX-*5 (7)	140	Opp	143				Furnished								

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CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: With gear selector lever in low range for the front portion of compound transmissions, multiply speeds shown by the factor listed for the transmission: TRDXL-107, DX-107 multiply by .595; TRDXL-1071, DX-1071 multiply by .350. This feature can cause insufficient P.T.O. speed, particularly in spreading applications.

NOTE: With gear selector lever in high range for the front portion of compound transmissions, multiply speed shown by the factor listed for the transmission: TRDXL-1070, DX-1070, TRDXL-10780, DX-10780 multiply by 1.62. This feature can cause excessive P.T.O. speeds.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series PTOs due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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) Gear and Shaft Kit No. KXA-2-P-565

(7) Input Gear Part No. 5-P-1004

(2) Filler block furnished with P.T.O. but not required

(3) Input Gear Part No. 5-P-1280

(4) Input Gear Part No. 5-P-1287

(5) Input Gear Part No. 5-P-1077

(6) Input Gear Part No. 5-P-1364

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1076	DX10780	TRDXL1078	TRXL1076
1078	DX10781	TRDXL10780	
DX1070	TRDXL107	TRDXL10781	
DX1071	TRDXL1070	TRL1076	
DX1078	TRDXL1071	TRL1078	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

680XFAHX-*5 (8)	375	Opp	45					Furnished							
680XQAHX-*5 (9)	375	Opp	62					Furnished							
680XSAHX-*5 (10)	325	Opp	86					Furnished							
823XBAHX-*3 (11)	500	Opp	30					Furnished							
823XJAHX-*3 (12)	500	Opp	46					Furnished							
823XMAHX-*3 (13)	500	Opp	54					Furnished							
823XRAHX-*3 (14)	400	Opp	75					Furnished							
823XTKTX-*3 (15)	372	Opp	90		8-A-165			7170-116X							
880XBAHX-*3 (16)	500	Opp	30					Furnished							
880XDAHX-*3 (17)	500	Opp	36					Furnished							
880XGAHX-*3 (18)	500	Opp	39					Furnished							
880XJAHX-*3 (19)	500	Opp	46					Furnished							
880XMAHX-*3 (20)	500	Opp	54					Furnished							
880XQAHX-*3 (21)	450	Opp	64					Furnished							
880XRAHX-*3 (22)	400	Opp	75					Furnished							
880XTAHX-*3 (23)	350	Opp	96					Furnished							

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	24			328481X	Furnished	236KDAH-X-*3 (7)	250	Eng	47		328530-1X	7170-16X
230XBAJX-*3	250	Opp	31			328481X	Furnished	236KKAH-X-*3 (7)	250	Eng	60		328530-1X	7170-16X
230XDAJX-*3	250	Opp	35			328481X	Furnished	236KQAH-X-*3 (7)	250	Eng	81		328530-1X	7170-16X
230XKAJX-*3	250	Opp	48			328481X	Furnished	236KUAH-X-*3 (7)	225	Eng	93		328530-1X	7170-16X
230XQAJX-*3	250	Opp	64			328481X	Furnished							
230XUAJX-*3	225	Opp	102			328481X	Furnished							
236ZDAH-X-*5 (7)	250	Opp	47			328564X	Furnished							
236ZKAH-X-*5 (7)	250	Opp	60			328564X	Furnished							
236ZQAH-X-*5 (7)	250	Opp	81			328564X	Furnished							
236ZUAH-X-*5 (7)	225	Opp	93			328564X	Furnished							
885XBAH-X-*3 (16)	500	Opp	30				Furnished							

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** With gear selector lever in low range for the front portion of compound transmissions, multiply speeds shown by the factor listed for the transmission: TRDXL-107, DX-107 multiply by .595; TRDXL-1071, DX-1071 multiply by .350. This feature can cause insufficient P.T.O. speed, particularly in spreading applications.**NOTE:** With gear selector lever in high range for the front portion of compound transmissions, multiply speed shown by the factor listed for the transmission: TRDXL-1070, DX-1070, TRDXL-10780, DX-10780 multiply by 1.62. This feature can cause excessive P.T.O. speeds.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series PTOs due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.**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.

(7) Input Gear Part No. 5-P-1004
 (8) Input Gear Part No. 5-P-1242
 (9) Input Gear Part No. 5-P-1246
 (10) Input Gear Part No. 5-P-1322
 (11) Input Gear Part No. 5-P-285
 (12) Input Gear Part No. 5-P-325

(13) Input Gear Part No. 5-P-283
 (14) Input Gear Part No. 5-P-721
 (15) Input Gear Part No. 5-P-1395
 (16) Input Gear Part No. 5-P-1100
 (17) Input Gear Part No. 5-P-1101
 (18) Input Gear Part No. 5-P-1135

(19) Input Gear Part No. 5-P-1102
 (20) Input Gear Part No. 5-P-1103
 (21) Input Gear Part No. 5-P-1385
 (22) Input Gear Part No. 5-P-1104
 (23) Input Gear Part No. 5-P-1105

January 2008

1076	DX10780	TRDXL1078	TRXL1076
1078	DX10781	TRDXL10780	
DX1070	TRDXL107	TRDXL10781	
DX1071	TRDXL1070	TRL1076	
DX1078	TRDXL1071	TRL1078	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

885XGAHX-*3 (18)	500	Opp	39				Furnished								
885XJAHX-*3 (19)	500	Opp	46				Furnished								
885XMAHX-*3 (20)	500	Opp	54				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (24)	200	Opp	39	41	7-A-140 (2)	310778X	Furnished	340XFAHX-*5 (24)	200	Eng	39	41	7-A-140(P)(25)	328530-1X	7170-16X
352ZSAHX-*5 (7)	140	Opp	87	113		328564X	Furnished	352XSAHX-*3 (7)	140	Eng	87	113		328530-1X	7170-16X
863XBAHX-*5	500	Opp	30	38			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (7)	140	Opp	87			328564X	Furnished	452XSAHX-*3 (7)	140	Eng	87			328530-1X	7170-16X
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GEARED ADAPTERS

628XAHX-3AH	Furnished
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CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** With gear selector lever in low range for the front portion of compound transmissions, multiply speeds shown by the factor listed for the transmission: TRDXL-107, DX-107 multiply by .595; TRDXL-1071, DX-1071 multiply by .350. This feature can cause insufficient P.T.O. speed, particularly in spreading applications.**NOTE:** With gear selector lever in high range for the front portion of compound transmissions, multiply speed shown by the factor listed for the transmission: TRDXL-1070, DX-1070, TRDXL-10780, DX-10780 multiply by 1.62. This feature can cause excessive P.T.O. speeds.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series PTOs due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.**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.

(2) Filler block furnished with P.T.O. but not required (25) Filler block furnished with P.T.O.
 (7) Input Gear Part No. 5-P-1004
 (18) Input Gear Part No. 5-P-1135
 (19) Input Gear Part No. 5-P-1102
 (20) Input Gear Part No. 5-P-1103
 (24) Input Gear Part No. 5-P-581

January 2008

QL7220	TRDXT720-7220
TR720-7220	TRQL7220
TRD7250	TRT720-7220
TRDL720-7220	TRTL720-7220
TRDX720-7220	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 6-Bolt Opening Gear REAR of Centerline 38 Teeth - SPUR PITCH LINE TO APERTURE FACE: 3.0500" (77.4700MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear REAR of Centerline 38 Teeth - SPUR PITCH LINE TO APERTURE FACE: 3.0500" (77.4700MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRABX-*4 (1)	125	Opp	125		7-A-032(T)	328530-2X	328291-17X	100XRABX-*4 (1)	125	Opp	125		7-A-032(T)	328530-2X	328291-17X
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCABX-*6	250	Eng	58		7-A-032(T)	328530-2X	328170-83X	221XCABX-*4	250	Eng	58		7-A-032(T)	328530-2X	328170-83X
221XEABX-*6	250	Eng	64		7-A-032(T)	328530-2X	328170-83X	221XEABX-*4	250	Eng	64		7-A-032(T)	328530-2X	328170-83X
221XLABX-*6	200	Eng	86		7-A-032(T)	328530-2X	328170-83X	221XLABX-*4	200	Eng	86		7-A-032(T)	328530-2X	328170-83X
221XPABX-*6	200	Eng	104		7-A-032(T)	328530-2X	328170-83X	221XPABX-*4	200	Eng	104		7-A-032(T)	328530-2X	328170-83X
442KFABX-*6 (2)	250	Eng	75		7-A-032(T)	328530-2X	7170-16X	442KFABX-*4 (2)	250	Eng	75		7-A-032(T)	328530-2X	7170-16X
442KLABX-*6 (3)	250	Eng	97		7-A-032(T)	328530-2X	7170-16X	442KLABX-*4 (3)	250	Eng	97		7-A-032(T)	328530-2X	7170-16X
442KQABX-*6 (3)	225	Eng	104		7-A-032(T)	328530-2X	7170-16X	442KQABX-*4 (3)	225	Eng	104		7-A-032(T)	328530-2X	7170-16X
442KRABX-*6 (3)	225	Eng	121		7-A-032(T)	328530-2X	7170-16X	442KRABX-*4 (3)	225	Eng	121		7-A-032(T)	328530-2X	7170-16X
442KSABX-*6 (3)	200	Eng	144		7-A-032(T)	328530-2X	7170-16X	442KSABX-*4 (3)	200	Eng	144		7-A-032(T)	328530-2X	7170-16X
442KUABX-*6 (3)	195	Eng	172		7-A-032(T)	328530-2X	7170-16X	442KUABX-*4 (3)	195	Eng	172		7-A-032(T)	328530-2X	7170-16X
442KWABX-*6 (3)	175	Eng	202		7-A-032(T)	328530-2X	7170-16X	442KWABX-*4 (3)	175	Eng	202		7-A-032(T)	328530-2X	7170-16X
442KXABX-*6 (3)	140	Eng	239		7-A-032(T)	328530-2X	7170-16X	442KXABX-*4 (3)	140	Eng	239		7-A-032(T)	328530-2X	7170-16X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236KDABX-*6 (3)	250	Eng	79		7-A-032(T)	328530-2X	7170-16X	236KDABX-*4 (3)	250	Eng	79		7-A-032(T)	328530-2X	7170-16X
236KKABX-*6 (3)	250	Eng	101		7-A-032(T)	328530-2X	7170-16X	236KKABX-*4 (3)	250	Eng	101		7-A-032(T)	328530-2X	7170-16X
236KQABX-*6 (3)	250	Eng	136		7-A-032(T)	328530-2X	7170-16X	236KQABX-*4 (3)	250	Eng	136		7-A-032(T)	328530-2X	7170-16X
236KUABX-*6 (3)	225	Eng	155		7-A-032(T)	328530-2X	7170-16X	236KUABX-*4 (3)	225	Eng	155		7-A-032(T)	328530-2X	7170-16X

ONE SPEED - FORWARD & REVERSE

340XFABX-*4 (4)	200	Eng	68	72	7-A-140(P)(5) 7-A-032(T)	328530-2X	7170-16X	340XFABX-*4 (4)	200	Eng	68	72	7-A-140(P)(5) 7-A-032(T)	328530-2X	7170-16X
352XSABX-*6 (3)	140	Eng	146	189	7-A-032(T)	328530-2X	7170-16X	352XSABX-*4 (3)	140	Eng	146	189	7-A-032(T)	328530-2X	7170-16X

ONE SPEED - DUAL SHAFT

452XSABX-*6 (3)	140	Eng	146		7-A-032(T)	328530-2X	7170-16X	452XSABX-*6 (3)	140	Eng	146		7-A-032(T)	328530-2X	7170-16X
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(1) Gear and Shaft Kit No. KXA-2-P-563
 (2) Input Gear Part No. 5-P-1076
 (3) Input Gear Part No. 5-P-1001
 (4) Input Gear Part No. 5-P-579
 (5) Filler block furnished with P.T.O.

D107	TRXL107-A	X1071
T107	TRXL1071	X1071-A
TRDL107	TRXL1071-A	
TRTXL107	X107	
TRXL107	X107-A	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.5700" (14.480MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1) 125 Opp 162 7-A-240(T) 328530-1X 7170-26X

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Opp	72		7-A-032 (2)	328564X	Furnished	221XCAHX-*3	250	Eng	72		7-A-032(P)(2)	328530-1X	328170-32X
221XEAHX-*5	250	Opp	84			328564X	Furnished	221XEAHX-*3	250	Eng	84		7-A-240(T)	328530-1X	328170-32X
221XLAHX-*5	200	Opp	112			328564X	Furnished	221XLAHX-*3	200	Eng	112		7-A-240(T)	328530-1X	328170-32X
221XPAHX-*5	200	Opp	136			328564X	Furnished	221XPAHX-*3	200	Eng	136		7-A-240(T)	328530-1X	328170-32X
442XAAHX-*5 (3)	250	Opp	64			328564X	Furnished	442KFAHX-*3 (5)	250	Eng	101		7-A-240(T)	328530-1X	328170-168X
442XCAHX-*5 (4)	250	Opp	81			328564X	Furnished	442KHAHX-*3 (6)	250	Eng	117		7-A-240(T)	328530-1X	328170-168X
442XFAHX-*5 (5)	250	Opp	101			328564X	Furnished	442KLAHX-*3 (7)	250	Eng	130		7-A-240(T)	328530-1X	328170-168X
442XHAHX-*5 (6)	250	Opp	117			328564X	Furnished	442KQAHX-*3 (7)	225	Eng	140		7-A-240(T)	328530-1X	328170-168X
442XLAHX-*5 (7)	250	Opp	130			328564X	Furnished	442KRAHX-*3 (7)	225	Eng	162		7-A-240(T)	328530-1X	328170-168X
442XQAHX-*5 (7)	225	Opp	140			328564X	Furnished	442KSAHX-*3 (7)	200	Eng	193		7-A-240(T)	328530-1X	328170-168X
442XRAHX-*5 (7)	225	Opp	162			328564X	Furnished	442KUAHX-*3 (7)	195	Eng	230		7-A-240(T)	328530-1X	328170-168X
442XSAHX-*5 (7)	200	Opp	193			328564X	Furnished	442KWAHX-*3 (7)	175	Eng	271		7-A-240(T)	328530-1X	328170-168X
442XUAHX-*5 (7)	195	Opp	230			328564X	Furnished	442KXAHX-*3 (7)	140	Eng	321		7-A-240(T)	328530-1X	328170-168X
442XWAHX-*5 (7)	175	Opp	271			328564X	Furnished								
442XXAHX-*5 (7)	140	Opp	321			328564X	Furnished								
489XAAHX-*5 (3)	250	Opp	64		8-A-062		328170-8X								
					8-A-093										
489XCAHX-*5 (4)	250	Opp	81		8-A-062		328170-8X								
					8-A-093										
489XFAHX-*5 (5)	250	Opp	101		8-A-062		328170-8X								
					8-A-093										
489XHAHX-*5 (6)	250	Opp	117		8-A-062		328170-8X								
					8-A-093										
489XLAHX-*5 (7)	250	Opp	130		8-A-062		328170-8X								
					8-A-093										

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: All speeds shown are with transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, multiply speeds shown by the following: for 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.

NOTE: The 812 Series will not mount. The output shaft interferes with the reverse idler bulge.

NOTE: Due to the offset in the 230 series housing, assembly 5 must be used to obtain proper backlash.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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) Gear and Shaft Kit No. KXA-2-P-565

(7) Input Gear Part No. 5-P-1004

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1280

(4) Input Gear Part No. 5-P-1287

(5) Input Gear Part No. 5-P-1077

(6) Input Gear Part No. 5-P-1364

January 2008

D107	TRXL107-A	X1071
T107	TRXL1071	X1071-A
TRDL107	TRXL1071-A	
TRTXL107	X107	
TRXL107	X107-A	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.5700" (14.4800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489XQAHX-*5 (7)	225	Opp	140		8-A-062		328170-8X								
					8-A-093										
489XRAHX-*5 (7)	225	Opp	162		8-A-062		328170-8X								
					8-A-093										
489XSAHX-*5 (7)	200	Opp	193		8-A-062		328170-8X								
					8-A-093										
489XUAHX-*5 (7)	195	Opp	230		8-A-062		328170-8X								
					8-A-093										
489XWAHX-*5 (7)	175	Opp	271		8-A-062		328170-8X								
					8-A-093										
489XXAHX-*5 (7)	140	Opp	321		8-A-062		328170-8X								
					8-A-093										
680XFAHX-*5 (8)	375	Opp	101		8-A-062		328170-8X								
					8-A-093										
680XQAHX-*5 (9)	375	Opp	140		8-A-062		328170-8X								
					8-A-093										
680XSAHX-*5 (10)	325	Opp	193		8-A-062		328170-8X								
					8-A-093										
823XBAHX-*5 (11)	500	Opp	69		8-A-190		328170-14X								
823XJAHX-*5 (12)	500	Opp	104		8-A-190		328170-14X								
823XMAHX-*5 (13)	500	Opp	122		8-A-190		328170-14X								
823XRAHX-*5 (14)	400	Opp	168		8-A-190		328170-14X								
880XBAHX-*5 (15)	500	Opp	69		8-A-190		328170-14X								
880XDAHX-*5 (16)	500	Opp	81		8-A-190		328170-14X								
880XGAHX-*5 (17)	500	Opp	88		8-A-190		328170-14X								
880XJAHX-*5 (18)	500	Opp	104		8-A-190		328170-14X								
880XMAHX-*5 (19)	500	Opp	122		8-A-190		328170-14X								
880XQAHX-*5 (20)	450	Opp	142		8-A-190		328170-14X								
880XRAHX-*5 (21)	400	Opp	168		8-A-190		328170-14X								
880XTAHX-*5 (22)	350	Opp	217		8-A-190		328170-14X								

Continued Next Page**CAUTION:** Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** All speeds shown are with transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, multiply speeds shown by the following: for 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.**NOTE:** The 812 Series will not mount. The output shaft interferes with the reverse idler bulge.**NOTE:** Due to the offset in the 230 series housing, assembly 5 must be used to obtain proper backlash.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.**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.

(7) Input Gear Part No. 5-P-1004
 (8) Input Gear Part No. 5-P-1242
 (9) Input Gear Part No. 5-P-1246
 (10) Input Gear Part No. 5-P-1322
 (11) Input Gear Part No. 5-P-285
 (12) Input Gear Part No. 5-P-325

(13) Input Gear Part No. 5-P-283
 (14) Input Gear Part No. 5-P-721
 (15) Input Gear Part No. 5-P-1100
 (16) Input Gear Part No. 5-P-1101
 (17) Input Gear Part No. 5-P-1135
 (18) Input Gear Part No. 5-P-1102

(19) Input Gear Part No. 5-P-1103
 (20) Input Gear Part No. 5-P-1385
 (21) Input Gear Part No. 5-P-1104
 (22) Input Gear Part No. 5-P-1105

January 2008

D107	TRXL107-A	X1071
T107	TRXL1071	X1071-A
TRDL107	TRXL1071-A	
TRTXL107	X107	
TRXL107	X107-A	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.5700" (14.4800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*5	250	Opp	53		7-A-032	310778X	Furnished	236KDAH-X*3 (7)	250	Eng	105		7-A-240(T)	328530-1X328170-168X
230XBAJX-*5	250	Opp	69		7-A-032	310778X	Furnished	236KKAHX-*3 (7)	250	Eng	135		7-A-240(T)	328530-1X328170-168X
230XDAJX-*5	250	Opp	80		7-A-032	310778X	Furnished	236KQAH-X*3 (7)	250	Eng	182		7-A-240(T)	328530-1X328170-168X
230XKAJX-*5	250	Opp	108		7-A-032	310778X	Furnished	236KUAHX-*3 (7)	225	Eng	209		7-A-240(T)	328530-1X328170-168X
230XQAJX-*5	250	Opp	143		7-A-032	310778X	Furnished							
230XUAJX-*5	225	Opp	229		7-A-032	310778X	Furnished							
236XDAH-X*5 (7)	250	Opp	105			328564X	Furnished							
236XKAHX-*5 (7)	250	Opp	135			328564X	Furnished							
236XQAH-X*5 (7)	250	Opp	182			328564X	Furnished							
236XUAHX-*5 (7)	225	Opp	209			328564X	Furnished							
885XBAHX-*5 (15)	500	Opp	69		8-A-190		328170-14X							
885XGAHX-*5 (17)	500	Opp	88		8-A-190		328170-14X							
885XJAHX-*5 (18)	500	Opp	104		8-A-190		328170-14X							
885XMAHX-*5 (19)	500	Opp	122		8-A-190		328170-14X							

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (23)	200	Opp	88	92	7-A-140(P)(2)	328564X	Furnished	340XFAHX-*5 (23)	200	Eng	88	92	7-A-140(P)(2)	328530-1X328170-168X
352XSAHX-*5 (7)	140	Opp	196	254		328564X	Furnished	352XSAHX-*3 (7)	140	Eng	196	254	7-A-240(T)	328530-1X328170-168X
863XBAHX-*5	500	Opp	69	85	8-A-190		328170-15X							

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (7)	140	Opp	196			328564X	Furnished	452XSAHX-*3 (7)	140	Eng	196		7-A-240(T)	328530-1X328170-168X
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GEARED ADAPTERS

628XAHX-3AH		8-A-190		328170-8X
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CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** All speeds shown are with transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, multiply speeds shown by the following: for 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.**NOTE:** The 812 Series will not mount. The output shaft interferes with the reverse idler bulge.**NOTE:** Due to the offset in the 230 series housing, assembly 5 must be used to obtain proper backlash.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.**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.

(2) Filler block furnished with P.T.O.

(7) Input Gear Part No. 5-P-1004

(15) Input Gear Part No. 5-P-1100

(17) Input Gear Part No. 5-P-1135

(18) Input Gear Part No. 5-P-1102

(19) Input Gear Part No. 5-P-1103

(23) Input Gear Part No. 5-P-581

January 2008

D1070	TRDLG1070
G1070	TRTXL1070
T1070	TRTXL1070-B
T1070-B	
TRDL1070	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.3750" (9.5200MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1) 125 Opp 209 7-A-240(T) 328530-1X 7170-26X

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Opp	93	7-A-032(P)(2)	328564X	Furnished	221XCAHX-*4	250	Eng	93	7-A-032(P)(2)	328530-1X 328170-32X
221XEAHX-*6	250	Opp	107		328564X	Furnished	221XEAHX-*4	250	Eng	107	7-A-240(T)	328530-1X 328170-32X
221XLAHX-*6	200	Opp	144		328564X	Furnished	221XLAHX-*4	200	Eng	144	7-A-240(T)	328530-1X 328170-32X
221XPAHX-*6	200	Opp	174		328564X	Furnished	221XPAHX-*4	200	Eng	174	7-A-240(T)	328530-1X 328170-32X
442XFAHX-*6 (3)	250	Opp	129		328564X	Furnished	442KFAHX-*4 (3)	250	Eng	129	7-A-240(T)	328530-1X 328170-168X
442XHAHX-*6 (4)	250	Opp	150		328564X	Furnished	442KHAHX-*4 (4)	250	Eng	150	7-A-240(T)	328530-1X 328170-168X
442XLAHX-*6 (5)	250	Opp	168		328564X	Furnished	442KLAHX-*4 (5)	250	Eng	168	7-A-240(T)	328530-1X 328170-168X
442XQAHX-*6 (5)	225	Opp	180		328564X	Furnished	442KQAHX-*4 (5)	225	Eng	180	7-A-240(T)	328530-1X 328170-168X
442XRAHX-*6 (5)	225	Opp	209		328564X	Furnished	442KRAHX-*4 (5)	225	Eng	209	7-A-240(T)	328530-1X 328170-168X
442XSAHX-*6 (5)	200	Opp	249		328564X	Furnished	442KSAHX-*4 (5)	200	Eng	249	7-A-240(T)	328530-1X 328170-168X
442XUAHX-*6 (5)	195	Opp	296		328564X	Furnished	442KUAHX-*4 (5)	195	Eng	296	7-A-240(T)	328530-1X 328170-168X
442XWAHX-*6 (5)	175	Opp	349		328564X	Furnished	442KWAHX-*4 (5)	175	Eng	349	7-A-240(T)	328530-1X 328170-168X
442XXAHX-*6 (5)	140	Opp	412		328564X	Furnished	442KXAHX-*4 (5)	140	Eng	412	7-A-240(T)	328530-1X 328170-168X
489XFAHX-*6 (3)	250	Opp	129	8-A-062		328170-8X						
489XHAHX-*6 (4)	250	Opp	150	8-A-093		328170-8X						
489XLAHX-*6 (5)	250	Opp	168	8-A-062		328170-8X						
489XQAHX-*6 (5)	225	Opp	180	8-A-093		328170-8X						
489XRAHX-*6 (5)	225	Opp	209	8-A-062		328170-8X						
489XSAHX-*6 (5)	200	Opp	249	8-A-093		328170-8X						
				8-A-062								
				8-A-093								

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: All speeds shown are with the transmission in 5th speed. For P.T.O. speeds with the main transmission in all others, multiply speed shown by the following: 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.

NOTE: Due to the offset in the 230 Series housing, assembly 4 must be used to obtain proper backlash on the left side mounting.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange. NOTE: The 812 Series P.T.O. will not mount on this transmission because the output shaft interferes with the reverse idler buldge.

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) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1077
 (4) Input Gear Part No. 5-P-1364
 (5) Input Gear Part No. 5-P-1004

January 2008

D1070	TRDLG1070
G1070	TRTXL1070
T1070	TRTXL1070-B
T1070-B	
TRDL1070	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.3750" (9.5200MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489XUAHX-*6 (5)	195	Opp	296		8-A-062		328170-8X								
					8-A-093										
489XWAHX-*6 (5)	175	Opp	349		8-A-062		328170-8X								
					8-A-093										
489XXAHX-*6 (5)	140	Opp	412		8-A-062		328170-8X								
					8-A-093										
680XFAHX-*6 (6)	375	Opp	129		8-A-062		328170-8X								
					8-A-093										
680XQAHX-*6 (7)	375	Opp	180		8-A-062		328170-8X								
					8-A-093										
680XSAHX-*6 (8)	325	Opp	249		8-A-062		328170-8X								
					8-A-093										
823XBAHX-*6 (9)	500	Opp	88		8-A-190		328170-14X								
823XJAHX-*6 (10)	500	Opp	133		8-A-190		328170-14X								
823XMAHX-*6 (11)	500	Opp	157		8-A-190		328170-14X								
823XRAHX-*6 (12)	400	Opp	216		8-A-190		328170-14X								
880XBAHX-*6 (13)	500	Opp	88		8-A-190		328170-14X								
880XDAHX-*6 (14)	500	Opp	104		8-A-190		328170-14X								
880XGAHX-*6 (15)	500	Opp	113		8-A-190		328170-14X								
880XJAHX-*6 (16)	500	Opp	133		8-A-190		328170-14X								
880XMAHX-*6 (17)	500	Opp	157		8-A-190		328170-14X								
880XQAHX-*6 (18)	450	Opp	183		8-A-190		328170-14X								
880XRAHX-*6 (19)	400	Opp	216		8-A-190		328170-14X								
880XTAHX-*6 (20)	350	Opp	279		8-A-190		328170-14X								

Continued Next Page**CAUTION:** Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** All speeds shown are with the transmission in 5th speed. For P.T.O. speeds with the main transmission in all others, multiply speed shown by the following: 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.**NOTE:** Due to the offset in the 230 Series housing, assembly 4 must be used to obtain proper backlash on the left side mounting.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange. **NOTE:** The 812 Series P.T.O. will not mount on this transmission because the output shaft interferes with the reverse idler buldge.**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.

(5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-1242
 (7) Input Gear Part No. 5-P-1246
 (8) Input Gear Part No. 5-P-1322
 (9) Input Gear Part No. 5-P-285
 (10) Input Gear Part No. 5-P-325

(11) Input Gear Part No. 5-P-283
 (12) Input Gear Part No. 5-P-721
 (13) Input Gear Part No. 5-P-1100
 (14) Input Gear Part No. 5-P-1101
 (15) Input Gear Part No. 5-P-1135
 (16) Input Gear Part No. 5-P-1102

(17) Input Gear Part No. 5-P-1103
 (18) Input Gear Part No. 5-P-1385
 (19) Input Gear Part No. 5-P-1104
 (20) Input Gear Part No. 5-P-1105

January 2008

D1070	TRDLG1070
G1070	TRTXL1070
T1070	TRTXL1070-B
T1070-B	
TRDL1070	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.3750" (9.5200MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear REAR of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*4 (21)	250	Opp	53		7-A-032	310778X	Furnished	236KDAHX-*4 (5)	250	Eng	136		7-A-240(T)	328530-1X	328170-168X
230XBAJX-*4 (22)	250	Opp	69		7-A-032	310778X	Furnished	236KKAHX-*4 (5)	250	Eng	174		7-A-240(T)	328530-1X	328170-168X
230XDAJX-*4 (23)	250	Opp	79		7-A-032	310778X	Furnished	236KQAHX-*4 (5)	250	Eng	234		7-A-240(T)	328530-1X	328170-168X
230XKAJX-*4 (24)	250	Opp	107		7-A-032	310778X	Furnished	236KUAHX-*4 (5)	225	Eng	268		7-A-240(T)	328530-1X	328170-168X
230XQAJX-*4 (25)	250	Opp	143		7-A-032	310778X	Furnished								
230XUAJX-*4 (26)	225	Opp	229		7-A-032	310778X	Furnished								
236XDAHX-*6 (5)	250	Opp	136			328564X	Furnished								
236XKAHX-*6 (5)	250	Opp	174			328564X	Furnished								
236XQAHX-*6 (5)	250	Opp	234			328564X	Furnished								
236XUAHX-*6 (5)	225	Opp	268			328564X	Furnished								
885XGAHX-*6 (15)	500	Opp	113				Furnished								
885XJAHX-*6 (16)	500	Opp	133		8-A-190		328170-14X								
885XMAHX-*6 (17)	500	Opp	157		8-A-190		328170-14X								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*4 (27)	200	Opp	113	119	7-A-140(P)(2)	328564X	Furnished	340XFAHX-*4 (27)	200	Eng	113	119	7-A-140(P)(2)	328530-1X	328170-168X
352XSAHX-*6 (5)	140	Opp	252	326		328564X	Furnished	352XSAHX-*4 (5)	140	Eng	252	326	7-A-240(T)	328530-1X	328170-168X
863XBAHX-*4	500	Opp	88	109	8-A-190		328170-15X								

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (5)	140	Opp	252			328564X	Furnished	452XSAHX-*6 (5)	140	Eng	252		7-A-240(T)	328530-1X	328170-168X
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GEARED ADAPTERS

628XAHX-3AH					8-A-190		328170-8X								
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CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: All speeds shown are with the transmission in 5th speed. For P.T.O. speeds with the main transmission in all others, multiply speed shown by the following: 1st - .116, 2nd - .200, 3rd - .353, 4th - .603.

NOTE: Due to the offset in the 230 Series housing, assembly 4 must be used to obtain proper backlash on the left side mounting.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange. NOTE: The 812 Series P.T.O. will not mount on this transmission because the output shaft interferes with the reverse idler buldge.

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.

(2) Filler block furnished with P.T.O.
(5) Input Gear Part No. 5-P-1004
(15) Input Gear Part No. 5-P-1135
(16) Input Gear Part No. 5-P-1102
(17) Input Gear Part No. 5-P-1103
(21) Input Gear Part No. 5-P-567

(22) Input Gear Part No. 5-P-568
(23) Input Gear Part No. 5-P-695
(24) Input Gear Part No. 5-P-769
(25) Input Gear Part No. 5-P-770
(26) Input Gear Part No. 5-P-1144
(27) Input Gear Part No. 5-P-581

January 2008

10760
10780
TRL10760
TRL10780

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.450MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1) 125 Opp 119 328530-1X 328291-7X

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*5	250	Opp	53	7-A-032(P)(2)	328564X	Furnished	221XCAHX-*3	250	Eng	53	7-A-032(P)(2)	328530-1X	328170-83X
221ZEAHX-*5	250	Opp	61		328564X	Furnished	221XEAHX-*3	250	Eng	61		328530-1X	328170-83X
221ZLAHX-*5	200	Opp	82		328564X	Furnished	221XLAHX-*3	200	Eng	82		328530-1X	328170-83X
221ZPAHX-*5	200	Opp	99		328564X	Furnished	221XPAHX-*3	200	Eng	99		328530-1X	328170-83X
442ZAAHX-*5 (3)	250	Opp	46		328564X	Furnished	442KFAHX-*3 (5)	250	Eng	73		328530-1X	7170-16X
442ZCAHX-*5 (4)	250	Opp	59		328564X	Furnished	442KHAHX-*3 (6)	250	Eng	85		328530-1X	7170-16X
442ZFAHX-*5 (5)	250	Opp	73		328564X	Furnished	442KLAHX-*3 (7)	250	Eng	95		328530-1X	7170-16X
442ZHAHX-*5 (6)	250	Opp	85		328564X	Furnished	442KQAHX-*3 (7)	225	Eng	102		328530-1X	7170-16X
442ZLAHX-*5 (7)	250	Opp	95		328564X	Furnished	442KRAHX-*3 (7)	225	Eng	119		328530-1X	7170-16X
442ZQAHX-*5 (7)	225	Opp	102		328564X	Furnished	442KSAHX-*3 (7)	200	Eng	141		328530-1X	7170-16X
442ZRAHX-*5 (7)	225	Opp	119		328564X	Furnished	442KUAHX-*3 (7)	195	Eng	168		328530-1X	7170-16X
442ZSAHX-*5 (7)	200	Opp	141		328564X	Furnished	442KWAHX-*3 (7)	175	Eng	198		328530-1X	7170-16X
442ZUAHX-*5 (7)	195	Opp	168		328564X	Furnished	442KXAHX-*3 (7)	140	Eng	234		328530-1X	7170-16X
442ZWAHX-*5 (7)	175	Opp	198		328564X	Furnished							
442ZXAHX-*5 (7)	140	Opp	234		328564X	Furnished							
489XAAHX-*5 (3)	250	Opp	46			Furnished							
489XCAHX-*5 (4)	250	Opp	59			Furnished							
489XFAHX-*5 (5)	250	Opp	73			Furnished							
489XHAHX-*5 (6)	250	Opp	85			Furnished							
489XLAHX-*5 (7)	250	Opp	95			Furnished							
489XQAHX-*5 (7)	225	Opp	102			Furnished							
489XRAHX-*5 (7)	225	Opp	119			Furnished							
489XSAHX-*5 (7)	200	Opp	141			Furnished							
489XUAHX-*5 (7)	195	Opp	168			Furnished							
489XWAHX-*5 (7)	175	Opp	198			Furnished							
489XXAHX-*5 (7)	140	Opp	234			Furnished							

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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) Gear and Shaft Kit No. KXA-2-P-565

(7) Input Gear Part No. 5-P-1004

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1280

(4) Input Gear Part No. 5-P-1287

(5) Input Gear Part No. 5-P-1077

(6) Input Gear Part No. 5-P-1364

January 2008

10760
10780
TRL10760
TRL10780

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

680XFAHX-*5 (8)	375	Opp	73				Furnished								
680XQAHX-*5 (9)	375	Opp	102				Furnished								
680XSAHX-*5 (10)	325	Opp	141				Furnished								
823XBAHX-*3 (11)	500	Opp	50				Furnished								
823XJAHX-*3 (12)	500	Opp	76				Furnished								
823XMAHX-*3 (13)	500	Opp	89				Furnished								
823XRAHX-*3 (14)	400	Opp	123				Furnished								
823XTKTX-*5 (15)	350	Opp	149		8-A-165 (2)		Furnished								
880XBAHX-*5 (16)	500	Opp	50				Furnished								
880XDAHX-*5 (17)	500	Opp	59				Furnished								
880XGAHX-*5 (18)	500	Opp	64				Furnished								
880XJAHX-*5 (19)	500	Opp	76				Furnished								
880XMAHX-*5 (20)	500	Opp	89				Furnished								
880XQAHX-*5 (21)	450	Opp	104				Furnished								
880XRAHX-*5 (22)	400	Opp	123				Furnished								
880XTAHX-*5 (23)	350	Opp	158				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	39			328481X	Furnished	236KDAH-X*3 (7)	250	Eng	77			328530-1X	7170-16X
230XBAJX-*3	250	Opp	50			328481X	Furnished	236KKAH-X*3 (7)	250	Eng	99			328530-1X	7170-16X
230XDAJX-*3	250	Opp	58			328481X	Furnished	236KQAH-X*3 (7)	250	Eng	133			328530-1X	7170-16X
230XKAJX-*3	250	Opp	79			328481X	Furnished	236KUAH-X*3 (7)	225	Eng	152			328530-1X	7170-16X
230XQAJX-*3	250	Opp	105			328481X	Furnished								
230XUAJX-*3	225	Opp	167			328481X	Furnished								
236ZDAH-X*5 (7)	250	Opp	77			328564X	Furnished								
236ZKAH-X*5 (7)	250	Opp	99			328564X	Furnished								
236ZQAH-X*5 (7)	250	Opp	133			328564X	Furnished								
236ZUAH-X*5 (7)	225	Opp	152			328564X	Furnished								
885XBAH-X*3 (16)	500	Opp	50				Furnished								

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

(2) Filler block furnished with P.T.O.
(7) Input Gear Part No. 5-P-1004
(8) Input Gear Part No. 5-P-1242
(9) Input Gear Part No. 5-P-1246
(10) Input Gear Part No. 5-P-1322
(11) Input Gear Part No. 5-P-285

(12) Input Gear Part No. 5-P-325
(13) Input Gear Part No. 5-P-283
(14) Input Gear Part No. 5-P-721
(15) Input Gear Part No. 5-P-1395
(16) Input Gear Part No. 5-P-1100
(17) Input Gear Part No. 5-P-1101

(18) Input Gear Part No. 5-P-1135
(19) Input Gear Part No. 5-P-1102
(20) Input Gear Part No. 5-P-1103
(21) Input Gear Part No. 5-P-1385
(22) Input Gear Part No. 5-P-1104
(23) Input Gear Part No. 5-P-1105

January 2008

10760
10780
TRL10760
TRL10780

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4500MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

885XGAHX-*5 (18)	500	Opp	64				Furnished								
885XJAHX-*3 (19)	500	Opp	76				Furnished								
885XMAHX-*3 (20)	500	Opp	89				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (24)	200	Opp	64	67	7-A-140 (25)	310778X	Furnished	340XFAHX-*5 (24)	200	Eng	64	67	7-A-140(P)(2)	328530-1X	7170-16X
352ZSAHX-*5 (7)	140	Opp	143	185		328564X	Furnished	352XSAHX-*3 (7)	140	Eng	143	185		328530-1X	7170-16X
863XBAHX-*5	500	Opp	50	62			Furnished								

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (7)	140	Opp	143			328564X	Furnished	452XSAHX-*3 (7)	140	Eng	143			328530-1X	7170-16X
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GEARED ADAPTERS

628XAHX-4AH							Furnished								
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CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

(2) Filler block furnished with P.T.O.
(7) Input Gear Part No. 5-P-1004
(18) Input Gear Part No. 5-P-1135
(19) Input Gear Part No. 5-P-1102
(20) Input Gear Part No. 5-P-1103
(24) Input Gear Part No. 5-P-581

(25) Filler block furnished with P.T.O. but not required

January 2008

TRXL1070	X10710
TRXL1070-A	X10710-A
TRXL10710	
X1070	
X1070-A	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.5700" (14.4800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*3 (1) 125 Opp 162 7-A-240(T) 328530-1X 7170-26X

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Opp	72	7-A-032(P)(2)	328564X	Furnished	221XCAHX-*3	250	Eng	72	7-A-032(P)(2)	328530-1X 328170-32X
221XEAHX-*5	250	Opp	84		328564X	Furnished	221XEAHX-*3	250	Eng	84	7-A-240(T)	328530-1X 328170-32X
221XLAHX-*5	200	Opp	112		328564X	Furnished	221XLAHX-*3	200	Eng	112	7-A-240(T)	328530-1X 328170-32X
221XPAHX-*5	200	Opp	136		328564X	Furnished	221XPAHX-*3	200	Eng	136	7-A-240(T)	328530-1X 328170-32X
442XAAHX-*5 (3)	250	Opp	64		328564X	Furnished	442KFAHX-*3 (5)	250	Eng	101	7-A-240(T)	328530-1X 328170-168X
442XCAHX-*5 (4)	250	Opp	81		328564X	Furnished	442KHAHX-*3 (6)	250	Eng	117	7-A-240(T)	328530-1X 328170-168X
442XFAHX-*5 (5)	250	Opp	101		328564X	Furnished	442KLAHX-*3 (7)	250	Eng	130	7-A-240(T)	328530-1X 328170-168X
442XHAHX-*5 (6)	250	Opp	117		328564X	Furnished	442KQAHX-*3 (7)	225	Eng	140	7-A-240(T)	328530-1X 328170-168X
442XLAHX-*5 (7)	250	Opp	130		328564X	Furnished	442KRAHX-*3 (7)	225	Eng	162	7-A-240(T)	328530-1X 328170-168X
442XQAHX-*5 (7)	225	Opp	140		328564X	Furnished	442KSAHX-*3 (7)	200	Eng	193	7-A-240(T)	328530-1X 328170-168X
442XRAHX-*5 (7)	225	Opp	162		328564X	Furnished	442KUAHX-*3 (7)	195	Eng	230	7-A-240(T)	328530-1X 328170-168X
442XSAHX-*5 (7)	200	Opp	193		328564X	Furnished	442KWAHX-*3 (7)	175	Eng	271	7-A-240(T)	328530-1X 328170-168X
442XUAHX-*5 (7)	195	Opp	230		328564X	Furnished	442KXAHX-*3 (7)	140	Eng	321	7-A-240(T)	328530-1X 328170-168X
442XWAHX-*5 (7)	175	Opp	271		328564X	Furnished						
442XXAHX-*5 (7)	140	Opp	321		328564X	Furnished						
489XAAHX-*5 (3)	250	Opp	64	8-A-062		328170-8X						
489XCAHX-*5 (4)	250	Opp	81	8-A-093		328170-8X						
489XFAHX-*5 (5)	250	Opp	101	8-A-062		328170-8X						
489XHAHX-*5 (6)	250	Opp	117	8-A-093		328170-8X						
489XLAHX-*5 (7)	250	Opp	130	8-A-062		328170-8X						
				8-A-093								
				8-A-062								
				8-A-093								

Continued Next Page**CAUTION:** Do not use geared adapters with 442 "A" and "C" ratios.**CAUTION:** 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** All speeds figured with transmission in 4th speed direct. For P.T.O. speeds in other transmission gears, multiply speeds shown by following: 1st. = .1907, 2nd. = .3282, 3rd. = .5780, 5th. = 1.6744.**NOTE:** Due to the offset in the 230 Series housing, assembly 5 must be used to obtain proper backlash.**NOTE:** The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.**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) Gear and Shaft Kit No. KXA-2-P-565
 (2) Filler block furnished with P.T.O.
 (3) Input Gear Part No. 5-P-1280
 (4) Input Gear Part No. 5-P-1287
 (5) Input Gear Part No. 5-P-1077
 (6) Input Gear Part No. 5-P-1364

(7) Input Gear Part No. 5-P-1004

TRXL1070 X10710
 TRXL1070-A X10710-A
 TRXL10710
 X1070
 X1070-A

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.5700" (14.4800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

37 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

489XQAHX-*5 (7)	225	Opp	140	8-A-062	328170-8X
				8-A-093	
489XRAHX-*5 (7)	225	Opp	162	8-A-062	328170-8X
				8-A-093	
489XSAHX-*5 (7)	200	Opp	193	8-A-062	328170-8X
				8-A-093	
489XUAHX-*5 (7)	195	Opp	230	8-A-190(P)	328170-8X
489XWAHX-*5 (7)	175	Opp	271	8-A-062	328170-8X
				8-A-093	
489XXAHX-*5 (7)	140	Opp	321	8-A-062	328170-8X
				8-A-093	
680XFAHX-*5 (8)	375	Opp	101	8-A-062	328170-8X
				8-A-093	
680XQAHX-*5 (9)	375	Opp	140	8-A-062	328170-8X
				8-A-093	
680XSAHX-*5 (10)	325	Opp	193	8-A-062	328170-8X
				8-A-093	
823XBAHX-*3 (11)	500	Opp	69	8-A-190	328170-14X
823XJAHX-*3 (12)	500	Opp	104	8-A-190	328170-14X
823XMAHX-*3 (13)	500	Opp	122	8-A-190	328170-14X
823XRAHX-*3 (14)	400	Opp	168	8-A-190	328170-14X
880XBAHX-*3 (15)	500	Opp	69	8-A-190	328170-14X
880XDAHX-*3 (16)	500	Opp	81	8-A-190	328170-14X
880XGAHX-*3 (17)	500	Opp	88	8-A-190	328170-14X
880XJAHX-*3 (18)	500	Opp	104	8-A-190	328170-14X
880XMAHX-*3 (19)	500	Opp	122	8-A-190	328170-14X
880XQAHX-*3 (20)	450	Opp	142	8-A-190	328170-14X
880XRAHX-*3 (21)	400	Opp	168	8-A-190	328170-14X
880XTAHX-*3 (22)	350	Opp	217	8-A-190	328170-14X

Continued Next Page

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: All speeds figured with transmission in 4th speed direct. For P.T.O. speeds in other transmission gears, multiply speeds shown by following: 1st. = .1907, 2nd. = .3282, 3rd. = .5780, 5th. = 1.6744.

NOTE: Due to the offset in the 230 Series housing, assembly 5 must be used to obtain proper backlash.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

(7) Input Gear Part No. 5-P-1004
 (8) Input Gear Part No. 5-P-1242
 (9) Input Gear Part No. 5-P-1246
 (10) Input Gear Part No. 5-P-1322
 (11) Input Gear Part No. 5-P-285
 (12) Input Gear Part No. 5-P-325

(13) Input Gear Part No. 5-P-283
 (14) Input Gear Part No. 5-P-721
 (15) Input Gear Part No. 5-P-1100
 (16) Input Gear Part No. 5-P-1101
 (17) Input Gear Part No. 5-P-1135
 (18) Input Gear Part No. 5-P-1102

(19) Input Gear Part No. 5-P-1103
 (20) Input Gear Part No. 5-P-1385
 (21) Input Gear Part No. 5-P-1104
 (22) Input Gear Part No. 5-P-1105

January 2008

TRXL1070	X10710
TRXL1070-A	X10710-A
TRXL10710	
X1070	
X1070-A	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear FORWARD of Centerline 37 Teeth - SPUR PITCH LINE TO APERTURE FACE: .5700" (14.4800MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 37 Teeth - SPUR PITCH LINE TO APERTURE FACE: 2.8340" (71.9800MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			
ONE SPEED - TWO GEAR - POWERSHIFT (AIR)															
230XAAJX-*5	250	Opp	53		7-A-032(P)	310778X	Furnished	236KDAHX-*3 (7)	250	Eng	105		7-A-240(T)	328530-1X	328170-168X
230XBAJX-*5	250	Opp	69		7-A-032(P)	310778X	Furnished	236KKAHX-*3 (7)	250	Eng	135		7-A-240(T)	328530-1X	328170-168X
230XDAJX-*5	250	Opp	80		7-A-032(P)	310778X	Furnished	236KQAHX-*3 (7)	250	Eng	182		7-A-240(T)	328530-1X	328170-168X
230XKAJX-*5	250	Opp	108		7-A-032(P)	310778X	Furnished	236KUAHX-*3 (7)	225	Eng	209		7-A-240(T)	328530-1X	328170-168X
230XQAJX-*5	250	Opp	143		7-A-032(P)	310778X	Furnished								
230XUAJX-*5	225	Opp	229		7-A-032(P)	310778X	Furnished								
236XDAHx-*5 (7)	250	Opp	105			328564X	Furnished								
236XKAHX-*5 (7)	250	Opp	135			328564X	Furnished								
236XQAHX-*5 (7)	250	Opp	182			328564X	Furnished								
236XUAHX-*5 (7)	225	Opp	209			328564X	Furnished								
885XBAHX-*3 (15)	500	Opp	69		8-A-190		328170-14X								
885XGAHX-*3 (17)	500	Opp	88		8-A-190		328170-14X								
885XJAHX-*3 (18)	500	Opp	104		8-A-190		328170-14X								
885XMAHX-*3 (19)	500	Opp	122		8-A-190		328170-14X								

ONE SPEED - FORWARD & REVERSE															
340XFAHX-*5 (23)	200	Opp	88	92	7-A-140(P)(2)	328564X	Furnished	340XFAHX-*5 (23)	200	Eng	88	92	7-A-140(P)(2)	328530-1X	328170-168X
352XSAHX-*5 (7)	140	Opp	196	254		328564X	Furnished	352XSAHX-*3 (7)	140	Eng	196	254	7-A-240(T)	328530-1X	328170-168X
863XBAHX-*5	500	Opp	69	85	8-A-190		328170-15X								

ONE SPEED - DUAL SHAFT															
452XSAHX-*3 (7)	140	Opp	196			328564X	Furnished	452XSAHX-*3 (7)	140	Eng	196		7-A-240(T)	328530-1X	328170-168X

GEARED ADAPTERS															
628XAHX-4AH					8-A-190		328170-8X								

CAUTION: Do not use geared adapters with 442 "A" and "C" ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: All speeds figured with transmission in 4th speed direct. For P.T.O. speeds in other transmission gears, multiply speeds shown by following: 1st. = .1907, 2nd. = .3282, 3rd. = .5780, 5th. = 1.6744.

NOTE: Due to the offset in the 230 Series housing, assembly 5 must be used to obtain proper backlash.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

(2) Filler block furnished with P.T.O.
 (7) Input Gear Part No. 5-P-1004
 (15) Input Gear Part No. 5-P-1100
 (17) Input Gear Part No. 5-P-1135
 (18) Input Gear Part No. 5-P-1102
 (19) Input Gear Part No. 5-P-1103

(23) Input Gear Part No. 5-P-581

January 2008

107
TRL107

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6250" (15.880MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

100XRAHX-*4 (1)	125	Opp	100		328764X	Furnished		100XRAHX-*3 (1)	125	Opp	72		328530-1X	328291-7X	
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*6	250	Eng	45	7-A-032(P)(2)	328764X	Furnished	221XCAHX-*3	250	Eng	32	7-A-032(P)(2)	328530-1X	328170-83X		
221XEAHX-*6	250	Eng	52		328764X	Furnished	221XEAHX-*3	250	Eng	37		328530-1X	328170-83X		
221XLAHX-*6	200	Eng	69		328764X	Furnished	221XLAHX-*3	200	Eng	50		328530-1X	328170-83X		
221XPAHX-*6	200	Eng	84		328764X	Furnished	221XPAHX-*3	200	Eng	60		328530-1X	328170-83X		
221ZCAHX-*5	250	Opp	32	7-A-032(P)(2)	328564X	Furnished	442KFAHX-*3 (3)	250	Eng	45		328530-1X	7170-16X		
221ZEAHX-*5	250	Opp	37		328564X	Furnished	442KHAHX-*3 (4)	250	Eng	72		328530-1X	7170-16X		
221ZLAHX-*5	200	Opp	50		328564X	Furnished	442KLAHX-*3 (5)	250	Eng	58		328530-1X	7170-16X		
221ZPAHX-*5	200	Opp	60		328564X	Furnished	442KQAHX-*3 (5)	225	Eng	62		328530-1X	7170-16X		
442XFAHX-*6 (3)	250	Eng	62		328764X	Furnished	442KRAHX-*3 (5)	225	Eng	72		328530-1X	7170-16X		
442XHAHX-*6 (4)	250	Eng	72		328764X	Furnished	442KSAHX-*3 (5)	200	Eng	86		328530-1X	7170-16X		
442XLAHX-*6 (5)	250	Eng	80		328764X	Furnished	442KUAHX-*3 (5)	195	Eng	102		328530-1X	7170-16X		
442XQAHX-*6 (5)	225	Eng	87		328764X	Furnished	442KWAHX-*3 (5)	175	Eng	121		328530-1X	7170-16X		
442XRAHX-*6 (5)	225	Eng	100		328764X	Furnished	442KXAHX-*3 (5)	140	Eng	143		328530-1X	7170-16X		
442XSAHX-*6 (5)	200	Eng	119		328764X	Furnished									
442XUAHX-*6 (5)	195	Eng	142		328764X	Furnished									
442XWAHX-*6 (5)	175	Eng	167		328764X	Furnished									
442XXAHX-*6 (5)	140	Eng	198		328764X	Furnished									
442ZAAHX-*5 (6)	250	Opp	28		328564X	Furnished									
442ZCAHX-*5 (7)	250	Opp	36		328564X	Furnished									
442ZFAHX-*5 (3)	250	Opp	45		328564X	Furnished									
442ZHAHX-*5 (4)	250	Opp	72		328564X	Furnished									
442ZLAHX-*5 (5)	250	Opp	58		328564X	Furnished									
442ZQAHX-*5 (5)	225	Opp	62		328564X	Furnished									
442ZRAHX-*5 (5)	225	Opp	72		328564X	Furnished									
442ZSAHX-*5 (5)	200	Opp	86		328564X	Furnished									
442ZUAHX-*5 (5)	195	Opp	102		328564X	Furnished									

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CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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) Gear and Shaft Kit No. KXA-2-P-565

(7) Input Gear Part No. 5-P-1287

(2) Filler block furnished with P.T.O.

(3) Input Gear Part No. 5-P-1077

(4) Input Gear Part No. 5-P-1364

(5) Input Gear Part No. 5-P-1004

(6) Input Gear Part No. 5-P-1280

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TRL107

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 8-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6250" (15.8800MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening Gear FORWARD of Centerline

34 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

3.0850" (78.3600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

LEFT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %		Filler Block	Adapter Assy.	Stud Kit
			Hi	Rev							Hi	Rev			

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442ZWAHX-*5 (5)	175	Opp	121			328564X	Furnished								
442ZXAHX-*5 (5)	140	Opp	143			328564X	Furnished								
489XAAHX-*5 (6)	250	Opp	28				Furnished								
489XCAHX-*5 (7)	250	Opp	36				Furnished								
489XFAHX-*5 (3)	250	Opp	45				Furnished								
489XHAHX-*5 (4)	250	Opp	72				Furnished								
489XLAHX-*5 (5)	250	Opp	58				Furnished								
489XQAHX-*5 (5)	225	Opp	62				Furnished								
489XRAHX-*5 (5)	225	Opp	72				Furnished								
489XSAHX-*5 (5)	200	Opp	86				Furnished								
489XUAHX-*5 (5)	195	Opp	102				Furnished								
489XWAHX-*5 (5)	175	Opp	121				Furnished								
489XXAHX-*5 (5)	140	Opp	143				Furnished								
680XFAHX-*5 (8)	375	Opp	45				Furnished								
680XQAHX-*5 (9)	375	Opp	62				Furnished								
680XSAHX-*5 (10)	325	Opp	86				Furnished								
823XBAHX-*3 (11)	500	Opp	30				Furnished								
823XJAHX-*3 (12)	500	Opp	46				Furnished								
823XMAHX-*3 (13)	500	Opp	54				Furnished								
823XRAHX-*3 (14)	400	Opp	75				Furnished								
823XTKTX-*3 (15)	350	Opp	90		8-A-165 (2)		Furnished								
880XBAHX-*3 (16)	500	Opp	30				Furnished								
880XJAHX-*3 (17)	500	Opp	46				Furnished								
880XMAHX-*3 (18)	500	Opp	54				Furnished								
880XQAHX-*3 (19)	450	Opp	64				Furnished								
880XRAHX-*3 (20)	400	Opp	75				Furnished								
880XTAHX-*3 (21)	350	Opp	96				Furnished								

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CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.

NOTE: The AK & XK output flanges can not be used with the "A" & "C" ratios on the 489 Series P.T.O.s due to mounting stud interference. Use a RA or RB rotatable flange for the XK and the RA for the AK flange.

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.

(2) Filler block furnished with P.T.O.
(3) Input Gear Part No. 5-P-1077
(4) Input Gear Part No. 5-P-1364
(5) Input Gear Part No. 5-P-1004
(6) Input Gear Part No. 5-P-1280
(7) Input Gear Part No. 5-P-1287

(8) Input Gear Part No. 5-P-1242
(9) Input Gear Part No. 5-P-1246
(10) Input Gear Part No. 5-P-1322
(11) Input Gear Part No. 5-P-285
(12) Input Gear Part No. 5-P-325
(13) Input Gear Part No. 5-P-283

(14) Input Gear Part No. 5-P-721
(15) Input Gear Part No. 5-P-1395
(16) Input Gear Part No. 5-P-1100
(17) Input Gear Part No. 5-P-1102
(18) Input Gear Part No. 5-P-1103
(19) Input Gear Part No. 5-P-1385

(20) Input Gear Part No. 5-P-1104
(21) Input Gear Part No. 5-P-1105

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