

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" (15.8800MM)

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 - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	24			328481X	Furnished	236KDAH-X*3 (5)	250	Eng	47		328530-1X	7170-16X	
230XAAJX-*6	250	Eng	33			328764X	Furnished	236KKAHX-*3 (5)	250	Eng	60		328530-1X	7170-16X	
230XBAJX-*3	250	Opp	31			328481X	Furnished	236KQAH-X*3 (5)	250	Eng	81		328530-1X	7170-16X	
230XBAJX-*6	250	Eng	42			328764X	Furnished	236KUAHX-*3 (5)	225	Eng	93		328530-1X	7170-16X	
230XDAJX-*3	250	Opp	35			328481X	Furnished								
230XDAJX-*6	250	Eng	49			328764X	Furnished								
230XKAJX-*3	250	Opp	48			328481X	Furnished								
230XKAJX-*6	250	Eng	67			328764X	Furnished								
230XQAJX-*3	250	Opp	64			328481X	Furnished								
230XQAJX-*6	250	Eng	89			328764X	Furnished								
230XUJX-*3	225	Opp	102			328481X	Furnished								
230XUJX-*6	225	Eng	142			328764X	Furnished								
236XDAH-X*6 (5)	250	Eng	65			328764X	Furnished								
236XKAHX-*6 (5)	250	Eng	83			328764X	Furnished								
236XQAH-X*6 (5)	250	Eng	112			328764X	Furnished								
236XUAHX-*6 (5)	225	Eng	129			328764X	Furnished								
236ZDAH-X*5 (5)	250	Opp	47			328564X	Furnished								
236ZKAHX-*5 (5)	250	Opp	60			328564X	Furnished								
236ZQAH-X*5 (5)	250	Opp	81			328564X	Furnished								
236ZUAHX-*5 (5)	225	Opp	93			328564X	Furnished								
885XBAHX-*3 (16)	500	Opp	30				Furnished								
885XJAHX-*3 (17)	500	Opp	46				Furnished								
885XMAHX-*3 (18)	500	Opp	54				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFAHX-*5 (22)	200	Opp	39	41	7-A-140 (23)	310778X	Furnished	340XFAHX-*5 (22)	200	Eng	39	41	7-A-140(P)(2)	328530-1X	7170-16X
352XSAHX-*6 (5)	140	Eng	121	157		328764X	Furnished	352XSAHX-*3 (5)	140	Eng	87	113		328530-1X	7170-16X
352ZSAHX-*5 (5)	140	Opp	87	113		328564X	Furnished								
863XBAHX-*5	500	Opp	30	38			Furnished								

Continued Next Page

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.
(5) Input Gear Part No. 5-P-1004
(16) Input Gear Part No. 5-P-1100
(17) Input Gear Part No. 5-P-1102
(18) Input Gear Part No. 5-P-1103
(22) Input Gear Part No. 5-P-581

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

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" (15.8800MM)

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 - DUAL SHAFT

452XSAHX-*6 (5)	140	Eng	121			328764X	Furnished	452XSAHX-*3 (5)	140	Eng	87			328530-1X	7170-16X
452ZSAHX-*3 (5)	140	Opp	87			328564X	Furnished								

GEARED ADAPTERS

628XAHX-4AH

Furnished

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.

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

January 2008

2090	T2180	T310-MLR	T318L
T2090	T2180-B	T313L	T318L21
T2090-L	T309	T313L21	T318LR
T2130	T309L	T313LR	T318LR21
T2130-B	T309LR	T313LR21	TM308M

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

812XKDAX-*5	400	Eng	97				Furnished	100XRAHX-*3 (1)	125	Opp	150			328554-2X	Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	68			328564X	Furnished	221XCAHX-*3	250	Eng	67		7-A-032(P)(2)	328554-2X	Furnished
221ZEDAX-*5	250	Opp	75			328564X	Furnished	221XEAHX-*3	250	Eng	77			328554-2X	Furnished
221ZLDAX-*5	200	Opp	101			328564X	Furnished	221XLAHX-*3	200	Eng	104			328554-2X	Furnished
221ZPDAX-*5	200	Opp	122			328564X	Furnished	221XPAHX-*3	200	Eng	125			328554-2X	Furnished
442ZADAX-*5 (6)	250	Opp	59		7-A-062(P)	328481X	Furnished	221XCDAX-*3	250	Opp	68				Furnished
442ZCDAX-*5 (7)	250	Opp	76		7-A-062(P)	328481X	Furnished	221XEDAX-*3	250	Opp	75				Furnished
442ZFDAX-*5 (8)	250	Opp	94		7-A-062(P)	328481X	Furnished	221XLDAX-*3	200	Opp	101				Furnished
442ZHDAX-*5 (4)	250	Opp	109		7-A-062(P)	328481X	Furnished	221XPDAX-*3	200	Opp	122				Furnished
442ZLDAX-*5 (9)	250	Opp	121		7-A-062(P)	328481X	Furnished	442XFAHX-*3 (3)	250	Eng	93			328554-2X	Furnished
442ZQDAX-*5 (9)	225	Opp	130		7-A-062(P)	328481X	Furnished	442XHAHX-*3 (4)	250	Eng	109			328554-2X	Furnished
442ZRDAX-*5 (9)	225	Opp	151		7-A-062(P)	328481X	Furnished	442XLAHX-*3 (5)	250	Eng	120			328554-2X	Furnished
442ZSDAX-*5 (9)	200	Opp	180		7-A-062(P)	328481X	Furnished	442XQAHX-*3 (5)	225	Eng	130			328554-2X	Furnished
442ZUDAX-*5 (9)	195	Opp	214		7-A-062(P)	328481X	Furnished	442XRAHX-*3 (5)	225	Eng	150			328554-2X	Furnished
442ZWDAX-*5 (9)	175	Opp	252		7-A-032(P)	328481X	Furnished	442XSAHX-*3 (5)	200	Eng	179			328554-2X	Furnished
442ZXDAX-*5 (9)	140	Opp	298		7-A-062(P)	328481X	Furnished	442XUAHX-*3 (5)	195	Eng	213			328554-2X	Furnished
489ZADAX-*5 (6)	250	Opp	59				Furnished	442XWAHX-*3 (5)	175	Eng	250			328554-2X	Furnished
489ZCDAX-*5 (7)	250	Opp	76				Furnished	442XXAHX-*3 (5)	140	Eng	296			328554-2X	Furnished
489ZFDAX-*5 (8)	250	Opp	94				Furnished	442ZADAX-*3 (6)	250	Opp	59		7-A-062		Furnished
489ZHDAX-*5 (4)	250	Opp	109				Furnished	442ZCDAX-*3 (7)	250	Opp	76		7-A-062		Furnished
489ZLDAX-*5 (9)	250	Opp	121				Furnished	442ZFDAX-*3 (8)	250	Opp	94		7-A-062		Furnished
489ZQDAX-*5 (9)	225	Opp	130				Furnished	442ZHDAX-*3 (4)	250	Opp	109		7-A-062		Furnished
489ZRDAX-*5 (9)	225	Opp	151				Furnished	442ZLDAX-*3 (9)	250	Opp	121		7-A-062		Furnished
489ZSDAX-*5 (9)	200	Opp	180				Furnished	442ZQDAX-*3 (9)	225	Opp	130		7-A-062		Furnished
489ZUDAX-*5 (9)	195	Opp	214				Furnished	442ZRDAX-*3 (9)	225	Opp	151		7-A-062		Furnished
489ZWDAX-*5 (9)	175	Opp	252				Furnished	442ZSDAX-*3 (9)	200	Opp	180		7-A-062		Furnished
489ZXDAX-*5 (9)	140	Opp	298				Furnished	442ZUDAX-*3 (9)	195	Opp	214		7-A-062		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:** Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.**NOTE:** The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.**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.

(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-1365
 (5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-1284

(7) Input Gear Part No. 5-P-1291
 (8) Input Gear Part No. 5-P-1085
 (9) Input Gear Part No. 5-P-1037

2090	T2180	T310-MLR	T318L
T2090	T2180-B	T313L	T318L21
T2090-L	T309	T313L21	T318LR
T2130	T309L	T313LR	T318LR21
T2130-B	T309LR	T313LR21	TM308M

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

680ZFDAX-*5 (10)	375	Opp	94				Furnished	442ZWDAX-*3 (9)	175	Opp	252		7-A-062		Furnished
680ZQDAX-*5 (11)	375	Opp	130				Furnished	442ZXDAX-*3 (9)	140	Opp	298		7-A-062		Furnished
680ZSDAX-*5 (12)	325	Opp	180				Furnished	660ZFDAX-*3 (10)	375	Opp	94		7-A-062		Furnished
823XBDAX-*5 (13)	500	Opp	61				Furnished	660ZQDAX-*3 (11)	375	Opp	130		7-A-062		Furnished
823XMDAX-*5 (14)	500	Opp	108				Furnished	660ZSDAX-*3 (12)	325	Opp	180		7-A-062		Furnished
823XRDAX-*5 (15)	400	Opp	150				Furnished								
880XBDAX-*5 (16)	500	Opp	61				Furnished								
880XGDAX-*5 (17)	500	Opp	78				Furnished								
880XMDAX-*5 (18)	500	Opp	108				Furnished								
880XRDAX-*5 (19)	400	Opp	150				Furnished								
880XTDAX-*5 (20)	350	Opp	193				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	48			328481X	Furnished	230XADAX-*3	250	Opp	48				Furnished
230XBDAX-*5	250	Opp	62			328481X	Furnished	230XBDAX-*3	250	Opp	62				Furnished
230XDDAX-*5	250	Opp	72			328481X	Furnished	230XDDAX-*3	250	Opp	72				Furnished
230XKDAX-*5 (21)	250	Opp	97			328481X	Furnished	230XKDAX-*3 (21)	250	Opp	97				Furnished
230XQDAX-*5 (22)	250	Opp	129			328481X	Furnished	230XQDAX-*3 (22)	250	Opp	129				Furnished
236ZDDAX-*5 (9)	250	Opp	98		7-A-062(P)	328481X	Furnished	236XDAHX-*3 (5)	250	Eng	97		328554-2X		Furnished
236ZKDAX-*5 (9)	250	Opp	126		7-A-062(P)	328481X	Furnished	236XKAHX-*3 (5)	250	Eng	125		328554-2X		Furnished
236ZQDAX-*5 (9)	250	Opp	169		7-A-032(P)	328481X	Furnished	236XQAHX-*3 (5)	250	Eng	168		328554-2X		Furnished
236ZUDAX-*5 (9)	225	Opp	194		7-A-062(P)	328481X	Furnished	236XUAHX-*3 (5)	225	Eng	192		328554-2X		Furnished
885XBDAX-*5 (16)	500	Opp	61				Furnished	236ZDDAX-*3 (9)	250	Opp	98		7-A-062		Furnished
885XGDAX-*5 (17)	500	Opp	78				Furnished	236ZKDAX-*3 (9)	250	Opp	126		7-A-062		Furnished
885XMDAX-*5 (18)	500	Opp	108				Furnished	236ZQDAX-*3 (9)	250	Opp	169		7-A-062		Furnished
								236ZUDAX-*3 (9)	225	Opp	194		7-A-062		Furnished

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (23)	200	Opp	85	90		328481X	Furnished	340SFDAX-*5 (23)	200	Opp	85	90			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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(5) Input Gear Part No. 5-P-1004
(9) Input Gear Part No. 5-P-1037
(10) Input Gear Part No. 5-P-1330
(11) Input Gear Part No. 5-P-1331
(12) Input Gear Part No. 5-P-1332
(13) Input Gear Part No. 5-P-636

(14) Input Gear Part No. 5-P-637
(15) Input Gear Part No. 5-P-808
(16) Input Gear Part No. 5-P-1120
(17) Input Gear Part No. 5-P-1174
(18) Input Gear Part No. 5-P-1121
(19) Input Gear Part No. 5-P-1122

(20) Input Gear Part No. 5-P-1123
(21) Input Gear Part No. 5-P-P-843
(22) Input Gear Part No. 5-P-P-844
(23) Input Gear Part No. 5-P-634

January 2008

2090	T2180	T310-MLR	T318L
T2090	T2180-B	T313L	T318L21
T2090-L	T309	T313L21	T318LR
T2130	T309L	T313LR	T318LR21
T2130-B	T309LR	T313LR21	TM308M

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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 - FORWARD & REVERSE

863XBDAX-*5	500	Opp	61	75			Furnished	352XSAHX-*3 (5)	140	Eng	181	234		328554-2X	Furnished
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ONE SPEED - DUAL SHAFT

								452XSAHX-*3 (5)	140	Eng	181			328554-2X	Furnished
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GEARED ADAPTERS

628ZDAX-5DA		Eng					Furnished	626ZDAX-3DA		Eng			7-A-062		Furnished
								630ZDAX-3DA		Eng			7-A-062		Furnished
								645ZDAX-3DA		Eng			7-A-062		Furnished

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:** Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.**NOTE:** The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.**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.

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

January 2008

2100
T2100
T2110-B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

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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

812XKDAX-*5	400	Eng	90				Furnished	100XRAHX-*3 (1)	125	Opp	139			328554-2X	Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	63			328564X	Furnished	221XCAHX-*3	250	Eng	62		7-A-032(P)(2)	328554-2X	Furnished
221ZEDAX-*5	250	Opp	70			328564X	Furnished	221XEAHX-*3	250	Eng	72			328554-2X	Furnished
221ZLDAX-*5	200	Opp	94			328564X	Furnished	221XLAHX-*3	200	Eng	96			328554-2X	Furnished
221ZPDAX-*5	200	Opp	113			328564X	Furnished	221XPAHX-*3	200	Eng	116			328554-2X	Furnished
442ZADAX-*5 (6)	250	Opp	55		7-A-062(P)	328481X	Furnished	221XCDAX-*3	250	Opp	63				Furnished
442ZCDAX-*5 (7)	250	Opp	70		7-A-062(P)	328481X	Furnished	221XEDAX-*3	250	Opp	70				Furnished
442ZFDAX-*5 (8)	250	Opp	87		7-A-062(P)	328481X	Furnished	221XLDAX-*3	200	Opp	94				Furnished
442ZHDAX-*5 (4)	250	Opp	101		7-A-062(P)	328481X	Furnished	221XPDAX-*3	200	Opp	113				Furnished
442ZLDAX-*5 (9)	250	Opp	113		7-A-062(P)	328481X	Furnished	442XFAHX-*3 (3)	250	Eng	86			328554-2X	Furnished
442ZQDAX-*5 (9)	225	Opp	121		7-A-062(P)	328481X	Furnished	442XHAHX-*3 (4)	250	Eng	101			328554-2X	Furnished
442ZRDAX-*5 (9)	225	Opp	140		7-A-062(P)	328481X	Furnished	442XLAHX-*3 (5)	250	Eng	112			328554-2X	Furnished
442ZSDAX-*5 (9)	200	Opp	167		7-A-062(P)	328481X	Furnished	442XQAHX-*3 (5)	225	Eng	120			328554-2X	Furnished
442ZUDAX-*5 (9)	195	Opp	199		7-A-062(P)	328481X	Furnished	442XRAHX-*3 (5)	225	Eng	139			328554-2X	Furnished
442ZWDAX-*5 (9)	175	Opp	234		7-A-062(P)	328481X	Furnished	442XSAHX-*3 (5)	200	Eng	166			328554-2X	Furnished
442ZXDAX-*5 (9)	140	Opp	277		7-A-062(P)	328481X	Furnished	442XUAHX-*3 (5)	195	Eng	198			328554-2X	Furnished
489ZADAX-*5 (6)	250	Opp	55				Furnished	442XWAHX-*3 (5)	175	Eng	233			328554-2X	Furnished
489ZCDAX-*5 (7)	250	Opp	70				Furnished	442XXAHX-*3 (5)	140	Eng	275			328554-2X	Furnished
489ZFDAX-*5 (8)	250	Opp	87				Furnished	442ZADAX-*3 (6)	250	Opp	55		7-A-062		Furnished
489ZHDAX-*5 (4)	250	Opp	101				Furnished	442ZCDAX-*3 (7)	250	Opp	70		7-A-062		Furnished
489ZLDAX-*5 (9)	250	Opp	113				Furnished	442ZFDAX-*3 (8)	250	Opp	87		7-A-062		Furnished
489ZQDAX-*5 (9)	225	Opp	121				Furnished	442ZHDAX-*3 (4)	250	Opp	101		7-A-062		Furnished
489ZRDAX-*5 (9)	225	Opp	140				Furnished	442ZLDAX-*3 (9)	250	Opp	113		7-A-062		Furnished
489ZSDAX-*5 (9)	200	Opp	167				Furnished	442ZQDAX-*3 (9)	225	Opp	121		7-A-062		Furnished
489ZUDAX-*5 (9)	195	Opp	199				Furnished	442ZRDAX-*3 (9)	225	Opp	140		7-A-062		Furnished
489ZWDAX-*5 (9)	175	Opp	234				Furnished	442ZSDAX-*3 (9)	200	Opp	167		7-A-062		Furnished
489ZXDAX-*5 (9)	140	Opp	277				Furnished	442ZUDAX-*3 (9)	195	Opp	199		7-A-062		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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(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-1365
(5) Input Gear Part No. 5-P-1004
(6) Input Gear Part No. 5-P-1284

(7) Input Gear Part No. 5-P-1291
(8) Input Gear Part No. 5-P-1085
(9) Input Gear Part No. 5-P-1037

January 2008

2100
T2100
T2110-B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

680ZFDAX-*5 (10)	375	Opp	87				Furnished	442ZWDAX-*3 (9)	175	Opp	234		7-A-062		Furnished
680ZQDAX-*5 (11)	375	Opp	121				Furnished	442ZXDAX-*3 (9)	140	Opp	277		7-A-062		Furnished
680ZSDAX-*5 (12)	325	Opp	167				Furnished	660ZFDAX-*3 (10)	375	Opp	87		7-A-062		Furnished
823XBDAX-*5 (13)	500	Opp	57				Furnished	660ZQDAX-*3 (11)	375	Opp	121		7-A-062		Furnished
823XMDAX-*5 (14)	500	Opp	101				Furnished	660ZSDAX-*3 (12)	325	Opp	167		7-A-062		Furnished
823XRDAX-*5 (15)	400	Opp	139				Furnished								
880XBDAX-*5 (16)	500	Opp	57				Furnished								
880XGDAX-*5 (17)	500	Opp	73				Furnished								
880XMDAX-*5 (18)	500	Opp	101				Furnished								
880XRDAX-*5 (19)	400	Opp	139				Furnished								
880XTDAX-*5 (20)	350	Opp	179				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	44		328481X	Furnished	230XADAX-*3	250	Opp	44					Furnished
230XBDAX-*5	250	Opp	58		328481X	Furnished	230XBDAX-*3	250	Opp	58					Furnished
230XDDAX-*5	250	Opp	67		328481X	Furnished	230XDDAX-*3	250	Opp	67					Furnished
230XKDAX-*5 (21)	250	Opp	90		328481X	Furnished	230XKDAX-*3 (21)	250	Opp	90					Furnished
230XQDAX-*5 (22)	250	Opp	120		328481X	Furnished	230XQDAX-*3 (22)	250	Opp	120					Furnished
236ZDDAX-*5 (9)	250	Opp	92		7-A-062(P)	328481X	Furnished	236XDAHX-*3 (5)	250	Eng	91		328554-2X		Furnished
236ZKDAX-*5 (9)	250	Opp	116		7-A-062(P)	328481X	Furnished	236XKAHX-*3 (5)	250	Eng	116		328554-2X		Furnished
236ZQDAX-*5 (9)	250	Opp	157		7-A-062(P)	328481X	Furnished	236XQAHX-*3 (5)	250	Eng	156		328554-2X		Furnished
236ZUDAX-*5 (9)	225	Opp	180		7-A-062(P)	328481X	Furnished	236XUAHX-*3 (5)	225	Eng	179		328554-2X		Furnished
885XBDAX-*5 (16)	500	Opp	57			Furnished	236ZDDAX-*3 (9)	250	Opp	92		7-A-062			Furnished
885XGDAX-*5 (17)	500	Opp	73			Furnished	236ZKDAX-*3 (9)	250	Opp	116		7-A-062			Furnished
885XMDAX-*5 (18)	500	Opp	101			Furnished	236ZQDAX-*3 (9)	250	Opp	157		7-A-062			Furnished
							236ZUDAX-*3 (9)	225	Opp	180		7-A-062			Furnished

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (23)	200	Opp	79	83	328481X	Furnished	340SFDAX-*5 (23)	200	Opp	79	83				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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(5) Input Gear Part No. 5-P-1004
(9) Input Gear Part No. 5-P-1037
(10) Input Gear Part No. 5-P-1330
(11) Input Gear Part No. 5-P-1331
(12) Input Gear Part No. 5-P-1332
(13) Input Gear Part No. 5-P-636

(14) Input Gear Part No. 5-P-637
(15) Input Gear Part No. 5-P-808
(16) Input Gear Part No. 5-P-1120
(17) Input Gear Part No. 5-P-1174
(18) Input Gear Part No. 5-P-1121
(19) Input Gear Part No. 5-P-1122

(20) Input Gear Part No. 5-P-1123
(21) Input Gear Part No. 5-P-P-843
(22) Input Gear Part No. 5-P-P-844
(23) Input Gear Part No. 5-P-634

January 2008

2100
T2100
T2110-B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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 - FORWARD & REVERSE

863XBDAX-*5	500	Opp	57	70			Furnished	352XSAHX-*3 (5)	140	Eng	168	217		328554-2X	Furnished
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ONE SPEED - DUAL SHAFT

								452XSAHX-*3 (5)	140	Eng	168			328554-2X	Furnished
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GEARED ADAPTERS

628ZDAX-5DA		Eng					Furnished	626ZDAX-3DA		Eng			7-A-062		Furnished
								630ZDAX-3DA		Eng			7-A-062		Furnished
								645ZDAX-3DA		Eng			7-A-062		Furnished

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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

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

January 2008

2050	T2070-A	T305	T308M
2060	T2070-B	T306	TX2060
T2050	T2070-F	T307	X2060
T2060	T2080	T307M	
T2070	T2080-B	T308	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

812XKDAX-*5	400	Eng	116				Furnished	100XRAHX-*3 (1)	125	Opp	179			328554-2X	Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	81			328564X	Furnished	221XCAHX-*3	250	Eng	80		7-A-032(P)(2)	328554-2X	Furnished
221ZEDAX-*5	250	Opp	90			328564X	Furnished	221XEAHX-*3	250	Eng	92			328554-2X	Furnished
221ZLDAX-*5	200	Opp	121			328564X	Furnished	221XLAHX-*3	200	Eng	124			328554-2X	Furnished
221ZPDAX-*5	200	Opp	146			328564X	Furnished	221XPAHX-*3	200	Eng	149			328554-2X	Furnished
442ZADAX-*5 (6)	250	Opp	71		7-A-062(P)	328481X	Furnished	221XCDAX-*3	250	Opp	81				Furnished
442ZCDAX-*5 (7)	250	Opp	90		7-A-062(P)	328481X	Furnished	221XEDAX-*3	250	Opp	90				Furnished
442ZFDAX-*5 (8)	250	Opp	112		7-A-062(P)	328481X	Furnished	221XLDAX-*3	200	Opp	121				Furnished
442ZHDAX-*5 (4)	250	Opp	130		7-A-062(P)	328481X	Furnished	221XPDAX-*3	200	Opp	146				Furnished
442ZLDAX-*5 (9)	250	Opp	144		7-A-062(P)	328481X	Furnished	442XFAHX-*3 (3)	250	Eng	111			328554-2X	Furnished
442ZQDAX-*5 (9)	225	Opp	156		7-A-062(P)	328481X	Furnished	442XHAHX-*3 (4)	250	Eng	130			328554-2X	Furnished
442ZRDAX-*5 (9)	225	Opp	180		7-A-062(P)	328481X	Furnished	442XLAHX-*3 (5)	250	Eng	144			328554-2X	Furnished
442ZSDAX-*5 (9)	200	Opp	214		7-A-062(P)	328481X	Furnished	442XQAHX-*3 (5)	225	Eng	155			328554-2X	Furnished
442ZUDAX-*5 (9)	195	Opp	255		7-A-062(P)	328481X	Furnished	442XRAHX-*3 (5)	225	Eng	179			328554-2X	Furnished
442ZWDAX-*5 (9)	175	Opp	301		7-A-062(P)	328481X	Furnished	442XSAHX-*3 (5)	200	Eng	213			328554-2X	Furnished
442ZXDAX-*5 (9)	140	Opp	356		7-A-062(P)	328481X	Furnished	442XUAHX-*3 (5)	195	Eng	254			328554-2X	Furnished
489ZADAX-*5 (6)	250	Opp	71				Furnished	442XWAHX-*3 (5)	175	Eng	298			328554-2X	Furnished
489ZCDAX-*5 (7)	250	Opp	90				Furnished	442XXAHX-*3 (5)	140	Eng	353			328554-2X	Furnished
489ZFDAX-*5 (8)	250	Opp	112				Furnished	442ZADAX-*3 (6)	250	Opp	71		7-A-062		Furnished
489ZHDAX-*5 (4)	250	Opp	130				Furnished	442ZCDAX-*3 (7)	250	Opp	90		7-A-062		Furnished
489ZLDAX-*5 (9)	250	Opp	144				Furnished	442ZFDAX-*3 (8)	250	Opp	112		7-A-062		Furnished
489ZQDAX-*5 (9)	225	Opp	156				Furnished	442ZHDAX-*3 (4)	250	Opp	130		7-A-062		Furnished
489ZRDAX-*5 (9)	225	Opp	180				Furnished	442ZLDAX-*3 (9)	250	Opp	144		7-A-062		Furnished
489ZSDAX-*5 (9)	200	Opp	214				Furnished	442ZQDAX-*3 (9)	225	Opp	156		7-A-062		Furnished
489ZUDAX-*5 (9)	195	Opp	255				Furnished	442ZRDAX-*3 (9)	225	Opp	180		7-A-062		Furnished
489ZWDAX-*5 (9)	175	Opp	301				Furnished	442ZSDAX-*3 (9)	200	Opp	214		7-A-062		Furnished
489ZXDAX-*5 (9)	140	Opp	356				Furnished	442ZUDAX-*3 (9)	195	Opp	255		7-A-062		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:** Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.**NOTE:** All the applications shown are for the front box.**NOTE:** The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.**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.

(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-1365
 (5) Input Gear Part No. 5-P-1004
 (6) Input Gear Part No. 5-P-1284

(7) Input Gear Part No. 5-P-1291
 (8) Input Gear Part No. 5-P-1085
 (9) Input Gear Part No. 5-P-1037

2050	T2070-A	T305	T308M
2060	T2070-B	T306	TX2060
T2050	T2070-F	T307	X2060
T2060	T2080	T307M	
T2070	T2080-B	T308	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

680ZFDAX-*5 (10)	375	Opp	112				Furnished	442ZWDAX-*3 (9)	175	Opp	301		7-A-062		Furnished
680ZQDAX-*5 (11)	375	Opp	156				Furnished	442ZXDAX-*3 (9)	140	Opp	356		7-A-062		Furnished
680ZSDAX-*5 (12)	325	Opp	214				Furnished	660ZFDAX-*3 (10)	375	Opp	112		7-A-062		Furnished
823XBDAX-*5 (13)	500	Opp	73				Furnished	660ZQDAX-*3 (11)	375	Opp	156		7-A-062		Furnished
823XMDAX-*5 (14)	500	Opp	129				Furnished	660ZSDAX-*3 (12)	325	Opp	214		7-A-062		Furnished
823XRDAX-*5 (15)	400	Opp	178				Furnished								
880XBDAX-*5 (16)	500	Opp	73				Furnished								
880XGDAX-*5 (17)	500	Opp	94				Furnished								
880XMDAX-*5 (18)	500	Opp	129				Furnished								
880XRDAX-*5 (19)	400	Opp	178				Furnished								
880XTDAX-*5 (20)	350	Opp	230				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	57			328481X	Furnished	230XADAX-*3	250	Opp	57				Furnished
230XBDAX-*5	250	Opp	74			328481X	Furnished	230XBDAX-*3	250	Opp	74				Furnished
230XDDAX-*5	250	Opp	86			328481X	Furnished	230XDDAX-*3	250	Opp	86				Furnished
230XKDX-*5 (21)	250	Opp	116			328481X	Furnished	230XKDX-*3 (21)	250	Opp	116				Furnished
230XQDAX-*5	250	Opp	154			328481X	Furnished	230XQDAX-*3	250	Opp	154				Furnished
236ZDDAX-*5 (9)	250	Opp	117		7-A-062(P)	328481X	Furnished	236XDAHX-*3 (5)	250	Eng	117		328554-2X		Furnished
236ZKDAX-*5 (9)	250	Opp	150		7-A-062(P)	328481X	Furnished	236XKAHX-*3 (5)	250	Eng	149		328554-2X		Furnished
236ZQDAX-*5 (9)	250	Opp	202		7-A-062(P)	328481X	Furnished	236XQAHX-*3 (5)	250	Eng	200		328554-2X		Furnished
236ZUDAX-*5 (9)	225	Opp	231		7-A-062(P)	328481X	Furnished	236XUAHX-*3 (5)	225	Eng	230		328554-2X		Furnished
885XBDAX-*5 (16)	500	Opp	73				Furnished	236ZDDAX-*3 (9)	250	Opp	117		7-A-062		Furnished
885XGDAX-*5 (17)	500	Opp	94				Furnished	236ZKDAX-*3 (9)	250	Opp	150		7-A-062		Furnished
885XMDAX-*5 (18)	500	Opp	129				Furnished	236ZQDAX-*3 (9)	250	Opp	202		7-A-062		Furnished
								236ZUDAX-*3 (9)	225	Opp	231		7-A-062		Furnished

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (22)	200	Opp	102	107		328481X	Furnished	340SFDAX-*5 (22)	200	Opp	102	107			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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: All the applications shown are for the front box.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(5) Input Gear Part No. 5-P-1004
(9) Input Gear Part No. 5-P-1037
(10) Input Gear Part No. 5-P-1330
(11) Input Gear Part No. 5-P-1331
(12) Input Gear Part No. 5-P-1332
(13) Input Gear Part No. 5-P-636

(14) Input Gear Part No. 5-P-637
(15) Input Gear Part No. 5-P-808
(16) Input Gear Part No. 5-P-1120
(17) Input Gear Part No. 5-P-1174
(18) Input Gear Part No. 5-P-1121
(19) Input Gear Part No. 5-P-1122

(20) Input Gear Part No. 5-P-1123
(21) Input Gear Part No. 5-P-843
(22) Input Gear Part No. 5-P-634

January 2008

2050	T2070-A	T305	T308M
2060	T2070-B	T306	TX2060
T2050	T2070-F	T307	X2060
T2060	T2080	T307M	
T2070	T2080-B	T308	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear FORWARD of Centerline 54 Teeth - SPUR PITCH LINE TO APERTURE FACE: .8100" (20.5700MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 54 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.

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 - FORWARD & REVERSE

863XBDAX-*5	500	Opp	73	90			Furnished	352XSAHX-*3 (5)	140	Eng	216	279		328554-2X	Furnished
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ONE SPEED - DUAL SHAFT

								452XSAHX-*3 (5)	140	Eng	216			328554-2X	Furnished
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GEARED ADAPTERS

628ZDAX-5DA		Eng					Furnished	626ZDAX-3DA		Eng			7-A-062		Furnished
								630ZDAX-3DA		Eng			7-A-062		Furnished
								645ZDAX-3DA		Eng			7-A-062		Furnished

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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: All the applications shown are for the front box.

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

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

January 2008

T2070-A	T307M
T2070-B	T308M
T2070-D	TM308M
T2080-B	
T2080-D	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)

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 % Hi Rev	Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine % Hi Rev	Filler Block	Adapter Assy.	Stud Kit
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ONE SPEED - SINGLE GEAR - MECHANICAL SHIFT

812XKDAX-*5	400	Eng	129			Furnished							
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	90	7-A-062(P)	328564X	Furnished	221XCDAX-*3	250	Opp	90	7-A-032		Furnished
221ZEDAX-*5	250	Opp	100	7-A-062(P)	328564X	Furnished	221XEDAX-*3	250	Opp	100	7-A-032		Furnished
221ZLDAX-*5	200	Opp	134	7-A-062(P)	328564X	Furnished	221XLDAX-*3	200	Opp	134	7-A-032		Furnished
221ZPDAX-*5	200	Opp	162	7-A-062(P)	328564X	Furnished	221XPDAX-*3	200	Opp	162	7-A-032		Furnished
442ZADAX-*5 (1)	250	Opp	78	7-A-032(P)	310778X	Furnished	442ZADAX-*3 (1)	250	Opp	78	7-A-140		Furnished
442ZCDAX-*5 (2)	250	Opp	100	7-A-032(P)	310778X	Furnished	442ZCDAX-*3 (2)	250	Opp	100	7-A-140		Furnished
442ZFDAX-*5 (3)	250	Opp	124	7-A-032(P)	310778X	Furnished	442ZFDAX-*3 (3)	250	Opp	124	7-A-140		Furnished
442ZHDAX-*5 (4)	250	Opp	144	7-A-032(P)	310778X	Furnished	442ZHDAX-*3 (4)	250	Opp	144	7-A-140		Furnished
442ZLDAX-*5 (5)	250	Opp	161	7-A-032(P)	310778X	Furnished	442ZLDAX-*3 (5)	250	Opp	161	7-A-140		Furnished
442ZQDAX-*5 (5)	225	Opp	173	7-A-032(P)	310778X	Furnished	442ZQDAX-*3 (5)	225	Opp	173	7-A-140		Furnished
442ZRDAX-*5 (5)	225	Opp	200	7-A-032(P)	310778X	Furnished	442ZRDAX-*3 (5)	225	Opp	200	7-A-140		Furnished
442ZSDAX-*5 (5)	200	Opp	238	7-A-032(P)	310778X	Furnished	442ZSDAX-*3 (5)	200	Opp	238	7-A-140		Furnished
442ZUDAX-*5 (5)	195	Opp	284	7-A-032(P)	310778X	Furnished	442ZUDAX-*3 (5)	195	Opp	284	7-A-140		Furnished
442ZWDAX-*5 (5)	175	Opp	334	7-A-032(P)	310778X	Furnished	442ZWDAX-*3 (5)	175	Opp	334	7-A-140		Furnished
442ZXDAX-*5 (5)	140	Opp	395	7-A-032(P)	310778X	Furnished	442ZXDAX-*3 (5)	140	Opp	395	7-A-140		Furnished
489ZADAX-*5 (1)	250	Opp	78	8-A-062		328170-190X	660ZFDAX-*3 (6)	375	Opp	124	7-A-140		Furnished
489ZCDAX-*5 (2)	250	Opp	100	8-A-062		328170-190X	660ZQDAX-*3 (7)	375	Opp	173	7-A-140		Furnished
489ZFDAX-*5 (3)	250	Opp	124	8-A-062		328170-190X	660ZSDAX-*3 (8)	325	Opp	238	7-A-140		Furnished
489ZHDAX-*5 (4)	250	Opp	144	8-A-062		328170-190X							
489ZLDAX-*5 (5)	250	Opp	161	8-A-062		328170-190X							
489ZQDAX-*5 (5)	225	Opp	173	8-A-062		328170-190X							
489ZRDAX-*5 (5)	225	Opp	200	8-A-062		328170-190X							
489ZSDAX-*5 (5)	200	Opp	238	8-A-062		328170-190X							
489ZUDAX-*5 (5)	195	Opp	284	8-A-062		328170-190X							
489ZWDAX-*5 (5)	175	Opp	334	8-A-062		328170-190X							
489ZXDAX-*5 (5)	140	Opp	395	8-A-062		328170-190X							

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: On the R.H. side the 328554-2X adapter can be used with an "AH" P.T.O. to change rotation.

NOTE: All speeds shown are with the main transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, divide the speeds shown by the following percentages: 1st. = 8.76, 2nd. = 5.995, 3rd. = 2.895, 4th. = 1.674, Reverse = 8.99

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(1) Input Gear Part No. 5-P-1284
 (2) Input Gear Part No. 5-P-1291
 (3) Input Gear Part No. 5-P-1085
 (4) Input Gear Part No. 5-P-1365
 (5) Input Gear Part No. 5-P-1037
 (6) Input Gear Part No. 5-P-1330

(7) Input Gear Part No. 5-P-1331
 (8) Input Gear Part No. 5-P-1332

T2070-A	T307M
T2070-B	T308M
T2070-D	TM308M
T2080-B	
T2080-D	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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

680ZFDAX-*5 (6)	375	Opp	124		8-A-062		328170-190X								
680ZQDAX-*5 (7)	375	Opp	173		8-A-062		328170-190X								
680ZSDAX-*5 (8)	325	Opp	238		8-A-062		328170-190X								
823XBDAX-*5 (9)	500	Opp	81				Furnished								
823XMDAX-*5 (10)	500	Opp	143				Furnished								
823XRDAX-*5 (11)	400	Opp	198				Furnished								
880XBDAX-*5 (12)	500	Opp	81				Furnished								
880XGDAX-*5 (13)	500	Opp	104				Furnished								
880XMDAX-*5 (14)	500	Opp	143				Furnished								
880XRDAX-*5 (15)	400	Opp	198				Furnished								
880XTDAX-*5 (16)	350	Opp	255				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	63		7-A-062(P)	328481X	Furnished	230XADAX-*3	250	Opp	63		7-A-032		Furnished
230XBDAX-*5	250	Opp	82		7-A-062(P)	328481X	Furnished	230XBDAX-*3	250	Opp	82		7-A-032		Furnished
230XDDAX-*5	250	Opp	95		7-A-062(P)	328481X	Furnished	230XDDAX-*3	250	Opp	95		7-A-032		Furnished
230XKDAX-*5 (17)	250	Opp	128		7-A-062(P)	328481X	Furnished	230XKDAX-*3 (17)	250	Opp	128		7-A-032		Furnished
230XQDAX-*5 (18)	250	Opp	171		7-A-062(P)	328481X	Furnished	230XQDAX-*3 (18)	250	Opp	171		7-A-032		Furnished
236ZDDAX-*5 (5)	250	Opp	130		7-A-032(P)	310778X	Furnished	236ZDDAX-*3 (5)	250	Opp	130		7-A-140		Furnished
236ZKDAX-*5 (5)	250	Opp	166		7-A-032(P)	310778X	Furnished	236ZKDAX-*3 (5)	250	Opp	166		7-A-140		Furnished
236ZQDAX-*5 (5)	250	Opp	224		7-A-032(P)	310778X	Furnished	236ZQDAX-*3 (5)	250	Opp	224		7-A-140		Furnished
236ZUDAX-*5 (5)	225	Opp	257		7-A-032(P)	310778X	Furnished	236ZUDAX-*3 (5)	225	Opp	257		7-A-140		Furnished
885XBDAX-*5 (12)	500	Opp	81				Furnished								
885XGDAX-*5 (13)	500	Opp	104				Furnished								
885XMDAX-*5 (14)	500	Opp	143				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (19)	200	Opp	113	119	7-A-062(P)	328481X	Furnished	340SFDAX-*5 (19)	200	Opp	113	119	7-A-062		Furnished
863XBDAX-*5	500	Opp	81	100			Furnished	352XSAHX-*3 (20)	140	Eng	240	310		328554-2X	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:** On the R.H. side the 328554-2X adapter can be used with an "AH" P.T.O. to change rotation.**NOTE:** All speeds shown are with the main transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, divide the speeds shown by the following percentages: 1st. = 8.76, 2nd. = 5.995, 3rd. = 2.895, 4th. = 1.674, Reverse = 8.99**NOTE:** The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.**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.

(5) Input Gear Part No. 5-P-1037
 (6) Input Gear Part No. 5-P-1330
 (7) Input Gear Part No. 5-P-1331
 (8) Input Gear Part No. 5-P-1332
 (9) Input Gear Part No. 5-P-636
 (10) Input Gear Part No. 5-P-637

(11) Input Gear Part No. 5-P-808
 (12) Input Gear Part No. 5-P-1120
 (13) Input Gear Part No. 5-P-1174
 (14) Input Gear Part No. 5-P-1121
 (15) Input Gear Part No. 5-P-1122
 (16) Input Gear Part No. 5-P-1123

(17) Input Gear Part No. 5-P-843
 (18) Input Gear Part No. 5-P-844
 (19) Input Gear Part No. 5-P-634
 (20) Input Gear Part No. 5-P-1004

January 2008

T2070-A	T307M
T2070-B	T308M
T2070-D	TM308M
T2080-B	
T2080-D	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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 - DUAL SHAFT

452XSAHX-3 (20) 140 Eng 240 328554-2X Furnished

GEARED ADAPTERS

628ZDAX-5DA	Eng			Furnished	626ZDAX-3DA	Eng	7-A-062	Furnished
630ZDAX-3DA	Eng	7-A-062		Furnished	630ZDAX-3DA	Eng	7-A-062	Furnished
645ZDAX-3DA	Eng	7-A-062		Furnished				

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: On the R.H. side the 328554-2X adapter can be used with an "AH" P.T.O. to change rotation.

NOTE: All speeds shown are with the main transmission in 5th speed. For P.T.O. speeds with the main transmission in all other gears, divide the speeds shown by the following percentages: 1st. = 8.76, 2nd. = 5.995, 3rd. = 2.895, 4th. = 1.674, Reverse = 8.99

NOTE: The 812 Series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

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

January 2008

T2180	T318L
T2180-B	T318L21
T310-M	T318LR
T310-MLR	T318LR21
T310ME	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)

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

812XKDAX-*5	400	Eng	77				Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	54	7-A-062(P)	328564X	Furnished	221XCDAX-*3	250	Opp	54	7-A-032	Furnished
221ZEDAX-*5	250	Opp	59	7-A-062(P)	328564X	Furnished	221XEDAX-*3	250	Opp	59	7-A-032	Furnished
221ZLDAX-*5	200	Opp	80	7-A-062(P)	328564X	Furnished	221XLDAX-*3	200	Opp	80	7-A-032	Furnished
221ZPDAX-*5	200	Opp	97	7-A-062(P)	328564X	Furnished	221XPDAX-*3	200	Opp	97	7-A-032	Furnished
442ZADAX-*5 (1)	250	Opp	47	7-A-032(P)	310778X	Furnished	442ZADAX-*3 (1)	250	Opp	47	7-A-140	Furnished
442ZCDAX-*5 (2)	250	Opp	60	7-A-032(P)	310778X	Furnished	442ZCDAX-*3 (2)	250	Opp	60	7-A-140	Furnished
442ZFDAX-*5 (3)	250	Opp	74	7-A-032(P)	310778X	Furnished	442ZFDAX-*3 (3)	250	Opp	74	7-A-140	Furnished
442ZHDAX-*5 (4)	250	Opp	86	7-A-032(P)	310778X	Furnished	442ZHDAX-*3 (4)	250	Opp	86	7-A-140	Furnished
442ZLDAX-*5 (5)	250	Opp	96	7-A-032(P)	310778X	Furnished	442ZLDAX-*3 (5)	250	Opp	96	7-A-140	Furnished
442ZQDAX-*5 (5)	225	Opp	103	7-A-032(P)	310778X	Furnished	442ZQDAX-*3 (5)	225	Opp	103	7-A-140	Furnished
442ZRDAX-*5 (5)	225	Opp	120	7-A-032(P)	310778X	Furnished	442ZRDAX-*3 (5)	225	Opp	120	7-A-140	Furnished
442ZSDAX-*5 (5)	200	Opp	142	7-A-032(P)	310778X	Furnished	442ZSDAX-*3 (5)	200	Opp	142	7-A-140	Furnished
442ZUDAX-*5 (5)	195	Opp	169	7-A-032(P)	310778X	Furnished	442ZUDAX-*3 (5)	195	Opp	169	7-A-140	Furnished
442ZWDAX-*5 (5)	175	Opp	199	7-A-032(P)	310778X	Furnished	442ZWDAX-*3 (5)	175	Opp	199	7-A-140	Furnished
442ZXDAX-*5 (5)	140	Opp	236	7-A-032(P)	310778X	Furnished	442ZXDAX-*3 (5)	140	Opp	236	7-A-140	Furnished
489ZADAX-*5 (1)	250	Opp	47	8-A-062	328170-190X		660ZFDAX-*3 (6)	375	Opp	74	7-A-140	Furnished
489ZCDAX-*5 (2)	250	Opp	60	8-A-062	328170-190X		660ZQDAX-*3 (7)	375	Opp	103	7-A-140	Furnished
489ZFDAX-*5 (3)	250	Opp	74	8-A-062	328170-190X		660ZSDAX-*3 (8)	325	Opp	142	7-A-140	Furnished
489ZHDAX-*5 (4)	250	Opp	86	8-A-062	328170-190X							
489ZLDAX-*5 (5)	250	Opp	96	8-A-062	328170-190X							
489ZQDAX-*5 (5)	225	Opp	103	8-A-062	328170-190X							
489ZRDAX-*5 (5)	225	Opp	120	8-A-062	328170-190X							
489ZSDAX-*5 (5)	200	Opp	142	8-A-062	328170-190X							
489ZUDAX-*5 (5)	195	Opp	169	8-A-062	328170-190X							
489ZWDAX-*5 (5)	175	Opp	199	8-A-062	328170-190X							
489ZXDAX-*5 (5)	140	Opp	236	8-A-062	328170-190X							

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.

CAUTION: Mack Does Not approve P.T.O. operations with the Range Selector in the "HI" position. Damage to the transmission synchroizers may occur.

NOTE: This application is for the rear box only. For front box applications, see application no. MAK-23.

NOTE: All speeds shown are with the transmission in 7th speed, or direct, and rear box in neutral. For speeds with main box in all the gear positions available, see the P.T.O. speed chart on this page.

NOTE: With main box in reverse, the direction of rotation on the P.T.O. output shaft will change.

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.

(1) Input Gear Part No. 5-P-1284
 (2) Input Gear Part No. 5-P-1291
 (3) Input Gear Part No. 5-P-1085
 (4) Input Gear Part No. 5-P-1365
 (5) Input Gear Part No. 5-P-1037
 (6) Input Gear Part No. 5-P-1330

(7) Input Gear Part No. 5-P-1331
 (8) Input Gear Part No. 5-P-1332

T2180	T318L
T2180-B	T318L21
T310-M	T318LR
T310-MLR	T318LR21
T310ME	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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

680ZFDAX-*5 (6)	375	Opp	74		8-A-062		328170-190X								
680ZQDAX-*5 (7)	375	Opp	103		8-A-062		328170-190X								
680ZSDAX-*5 (8)	325	Opp	142		8-A-062		328170-190X								
823XBDAX-*5	500	Opp	48				Furnished								
823XMDAX-*5 (9)	500	Opp	86				Furnished								
823XRDAX-*5 (10)	400	Opp	118				Furnished								
880XBDAX-*5 (11)	500	Opp	48				Furnished								
880XGDAX-*5 (12)	500	Opp	62				Furnished								
880XMDAX-*5 (13)	500	Opp	86				Furnished								
880XRDAX-*5 (14)	400	Opp	118				Furnished								
880XTDAX-*5 (15)	350	Opp	152				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	38		7-A-062(P)	328481X	Furnished	230XADAX-*3	250	Opp	38		7-A-032		Furnished
230XBDAX-*5	250	Opp	49		7-A-062(P)	328481X	Furnished	230XBDAX-*3	250	Opp	49		7-A-032		Furnished
230XDDAX-*5	250	Opp	57		7-A-062(P)	328481X	Furnished	230XDDAX-*3	250	Opp	57		7-A-032		Furnished
230XKDAX-*5 (16)	250	Opp	77		7-A-062(P)	328481X	Furnished	230XKDAX-*3 (16)	250	Opp	77		7-A-032		Furnished
230XQDAX-*5 (17)	250	Opp	102		7-A-062(P)	328481X	Furnished	230XQDAX-*3 (17)	250	Opp	102		7-A-032		Furnished
236ZDDAX-*5 (5)	250	Opp	78		7-A-032(P)	310778X	Furnished	236ZDDAX-*3 (5)	250	Opp	78		7-A-140		Furnished
236ZKDAX-*5 (5)	250	Opp	100		7-A-032(P)	310778X	Furnished	236ZKDAX-*3 (5)	250	Opp	100		7-A-140		Furnished
236ZQDAX-*5 (5)	250	Opp	134		7-A-032(P)	310778X	Furnished	236ZQDAX-*3 (5)	250	Opp	134		7-A-140		Furnished
236ZUDAX-*5 (5)	225	Opp	153		7-A-032(P)	310778X	Furnished	236ZUDAX-*3 (5)	225	Opp	153		7-A-140		Furnished
885XBDAX-*5 (11)	500	Opp	48				Furnished								
885XGDAX-*5 (12)	500	Opp	62				Furnished								
885XMDAX-*5 (13)	500	Opp	86				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (18)	200	Opp	68	71	7-A-062(P)	328481X	Furnished	340SFDAX-*5 (18)	200	Opp	68	71	7-A-062		Furnished
863XBDAX-*5	500	Opp	48	60			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.

CAUTION: Mack Does Not approve P.T.O. operations with the Range Selector in the "HI" position. Damage to the transmission synchronizers may occur.

NOTE: This application is for the rear box only. For front box applications, see application no. MAK-23.

NOTE: All speeds shown are with the transmission in 7th speed, or direct, and rear box in neutral. For speeds with main box in all the gear positions available, see the P.T.O. speed chart on this page.

NOTE: With main box in reverse, the direction of rotation on the P.T.O. output shaft will change.

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.

(5) Input Gear Part No. 5-P-1037
 (6) Input Gear Part No. 5-P-1330
 (7) Input Gear Part No. 5-P-1331
 (8) Input Gear Part No. 5-P-1332
 (9) Input Gear Part No. 5-P-637
 (10) Input Gear Part No. 5-P-808

(11) Input Gear Part No. 5-P-1120
 (12) Input Gear Part No. 5-P-1174
 (13) Input Gear Part No. 5-P-1121
 (14) Input Gear Part No. 5-P-1122
 (15) Input Gear Part No. 5-P-1123
 (16) Input Gear Part No. 5-P-843

(17) Input Gear Part No. 5-P-844
 (18) Input Gear Part No. 5-P-634

January 2008

T2180	T318L
T2180-B	T318L21
T310-M	T318LR
T310-MLR	T318LR21
T310ME	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: .6670" (16.9400MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 49 Teeth - SPUR PITCH LINE TO APERTURE FACE: 1.0550" (26.8000MM)

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			

GEARED ADAPTERS

628ZDAX-5DA	Eng	8-A-062	328170-190X	626ZDAX-3DA	Eng	7-A-140	Furnished
				630ZDAX-3DA	Eng	7-A-140	Furnished
				645ZDAX-3DA	Eng	7-A-140	Furnished

Available P.T.O. Output Shaft Speeds With Rear Box in Neutral

Transmission Shifter & Selection Location				Multiplication Factor	Transmission Shifter & Selection Location				Multiplication Factor
LO	LO	LO		0.2755	5	HI	HI		0.5146
LO	HI	LO		0.3250	6	LO	HI		0.6097
1	LO	LO		0.4363	6	HI	HI		0.7197
1	HI	LO		0.5146	7	LO	HI		0.8482
2	LO	LO		0.6097	7	HI	HI		1.0000
2	HI	LO		0.7197	8	LO	HI		1.1910
3	LO	LO		0.8482	8	HI	HI		1.4040
3	HI	LO		1.0000	REV	HI	HI		0.1547
4	LO	LO		1.1910	REV	LO	HI		0.1305
4	HI	LO		1.4040	REV	LO	LO		0.1547
5	LO	HI		0.4363	REV	HI	LO		0.1305

EXAMPLE: Main Box in 4 HI LO with 442ZQDAX on Rear Box with output speed of 103% x 1.404 = 144.6%

CAUTION: P.T.O. operations not permitted by Mack in "HI" selector range (shaded area).

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.

CAUTION: Mack Does Not approve P.T.O. operations with the Range Selector in the "HI" position. Damage to the transmission synchroizers may occur.

NOTE: This application is for the rear box only. For front box applications, see application no. MAK-23.

NOTE: All speeds shown are with the transmission in 7th speed, or direct, and rear box in neutral. For speeds with main box in all the gear positions available, see the P.T.O. speed chart on this page.

NOTE: With main box in reverse, the direction of rotation on the P.T.O. output shaft will change.

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.

T2130	T313LR21
T2130-B	
T313L	
T313L21	
T313LR	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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

812XKDAX-*5	400	Eng	65				Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	45	7-A-062(P)	328564X	Furnished	221XCDAX-*3	250	Opp	45	7-A-032	Furnished
221ZEDAX-*5	250	Opp	50	7-A-062(P)	328564X	Furnished	221XEDAX-*3	250	Opp	50	7-A-032	Furnished
221ZLDAX-*5	200	Opp	68	7-A-062(P)	328564X	Furnished	221XLDAX-*3	200	Opp	68	7-A-032	Furnished
221ZPDAX-*5	200	Opp	82	7-A-062(P)	328564X	Furnished	221XPDAX-*3	200	Opp	82	7-A-032	Furnished
442ZADAX-*5 (1)	250	Opp	40	7-A-032(P)	310778X	Furnished	442ZADAX-*3 (1)	250	Opp	40	7-A-140	Furnished
442ZCDAX-*5 (2)	250	Opp	51	7-A-032(P)	310778X	Furnished	442ZCDAX-*3 (2)	250	Opp	51	7-A-140	Furnished
442ZFDAX-*5 (3)	250	Opp	63	7-A-032(P)	310778X	Furnished	442ZFDAX-*3 (3)	250	Opp	63	7-A-140	Furnished
442ZHDAX-*5 (4)	250	Opp	73	7-A-032(P)	310778X	Furnished	442ZHDAX-*3 (4)	250	Opp	73	7-A-140	Furnished
442ZLDAX-*5 (5)	250	Opp	81	7-A-032(P)	310778X	Furnished	442ZLDAX-*3 (5)	250	Opp	81	7-A-140	Furnished
442ZQDAX-*5 (5)	225	Opp	88	7-A-032(P)	310778X	Furnished	442ZQDAX-*3 (5)	225	Opp	88	7-A-140	Furnished
442ZRDAX-*5 (5)	225	Opp	101	7-A-032(P)	310778X	Furnished	442ZRDAX-*3 (5)	225	Opp	101	7-A-140	Furnished
442ZSDAX-*5 (5)	200	Opp	121	7-A-032(P)	310778X	Furnished	442ZSDAX-*3 (5)	200	Opp	121	7-A-140	Furnished
442ZUDAX-*5 (5)	195	Opp	144	7-A-032(P)	310778X	Furnished	442ZUDAX-*3 (5)	195	Opp	144	7-A-140	Furnished
442ZWDAX-*5 (5)	175	Opp	169	7-A-032(P)	310778X	Furnished	442ZWDAX-*3 (5)	175	Opp	169	7-A-140	Furnished
442ZXDAX-*5 (5)	140	Opp	200	7-A-032(P)	310778X	Furnished	442ZXDAX-*3 (5)	140	Opp	200	7-A-140	Furnished
489ZADAX-*5 (1)	250	Opp	40	8-A-062	328170-190X		660ZFDAX-*3 (6)	375	Opp	63	7-A-140	Furnished
489ZCDAX-*5 (2)	250	Opp	51	8-A-062	328170-190X		660ZQDAX-*3 (7)	375	Opp	88	7-A-140	Furnished
489ZFDAX-*5 (3)	250	Opp	63	8-A-062	328170-190X		660ZSDAX-*3 (8)	325	Opp	121	7-A-140	Furnished
489ZHDAX-*5 (4)	250	Opp	73	8-A-062	328170-190X							
489ZLDAX-*5 (5)	250	Opp	81	8-A-062	328170-190X							
489ZQDAX-*5 (5)	225	Opp	88	8-A-062	328170-190X							
489ZRDAX-*5 (5)	225	Opp	101	8-A-062	328170-190X							
489ZSDAX-*5 (5)	200	Opp	121	8-A-062	328170-190X							
489ZUDAX-*5 (5)	195	Opp	144	8-A-062	328170-190X							
489ZWDAX-*5 (5)	175	Opp	169	8-A-062	328170-190X							
489ZXDAX-*5 (5)	140	Opp	200	8-A-062	328170-190X							

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 main transmission in 4th., 10th., or 11th speed, and rear box in neutral. For speeds with main transmission in other gears, multiply speeds shown as follows: 1st. = .323; 2nd., 6th. & 7th. = .515; 3rd., 8th., & 9th. = .720; 5th., 12th., & 13th = 1.405.

NOTE: With main box in reverse the direction of rotation on the P.T.O. output shaft will change.

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.

(1) Input Gear Part No. 5-P-1284
 (2) Input Gear Part No. 5-P-1291
 (3) Input Gear Part No. 5-P-1085
 (4) Input Gear Part No. 5-P-1365
 (5) Input Gear Part No. 5-P-1037
 (6) Input Gear Part No. 5-P-1330

(7) Input Gear Part No. 5-P-1331
 (8) Input Gear Part No. 5-P-1332

T2130 T313LR21
T2130-B
T313L
T313L21
T313LR

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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

680ZFDAX-*5 (6)	375	Opp	63		8-A-062		328170-190X
680ZQDAX-*5 (7)	375	Opp	88		8-A-062		328170-190X
680ZSDAX-*5 (8)	325	Opp	121		8-A-062		328170-190X
823XBDAX-*5 (9)	500	Opp	41				Furnished
823XMDAX-*5 (10)	500	Opp	73				Furnished
823XRDAX-*5 (11)	400	Opp	100				Furnished
880XBDAX-*5 (12)	500	Opp	41				Furnished
880XGDAX-*5 (13)	500	Opp	53				Furnished
880XMDAX-*5 (14)	500	Opp	73				Furnished
880XRDAX-*5 (15)	400	Opp	100				Furnished
880XTDAX-*5 (16)	350	Opp	129				Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	32		7-A-062(P)	328481X	Furnished	230XADAX-*3	250	Opp	32		7-A-032		Furnished
230XBDAX-*5	250	Opp	42		7-A-062(P)	328481X	Furnished	230XBDAX-*3	250	Opp	42		7-A-032		Furnished
230XDDAX-*5	250	Opp	48		7-A-062(P)	328481X	Furnished	230XDDAX-*3	250	Opp	48		7-A-032		Furnished
230XKDAX-*5 (17)	250	Opp	65		7-A-062(P)	328481X	Furnished	230XKDAX-*3 (17)	250	Opp	65		7-A-032		Furnished
230XQDAX-*5 (18)	250	Opp	87		7-A-062(P)	328481X	Furnished	230XQDAX-*3 (18)	250	Opp	87		7-A-032		Furnished
236ZDDAX-*5 (5)	250	Opp	66		7-A-032(P)	310778X	Furnished	236ZDDAX-*3 (5)	250	Opp	66		7-A-140		Furnished
236ZKDAX-*5 (5)	250	Opp	84		7-A-032(P)	310778X	Furnished	236ZKDAX-*3 (5)	250	Opp	84		7-A-140		Furnished
236ZQDAX-*5 (5)	250	Opp	113		7-A-032(P)	310778X	Furnished	236ZQDAX-*3 (5)	250	Opp	113		7-A-140		Furnished
236ZUDAX-*5 (5)	225	Opp	130		7-A-032(P)	310778X	Furnished	236ZUDAX-*3 (5)	225	Opp	130		7-A-140		Furnished
885XBDAX-*5 (12)	500	Opp	41				Furnished								
885XGDAX-*5 (13)	500	Opp	53				Furnished								
885XMDAX-*5 (14)	500	Opp	73				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (19)	200	Opp	57	60	7-A-032(P)	328481X	Furnished	340SFDAX-*5 (19)	200	Opp	57	60	7-A-062		Furnished
863XBDAX-*5	500	Opp	41	51			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: All speeds shown are with the main transmission in 4th., 10th., or 11th speed, and rear box in neutral. For speeds with main transmission in other gears, multiply speeds shown as follows: 1st. = .323; 2nd., 6th. & 7th. = .515; 3rd., 8th., & 9th. = .720; 5th., 12th., & 13th = 1.405.

NOTE: With main box in reverse the direction of rotation on the P.T.O. output shaft will change.

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.

(5) Input Gear Part No. 5-P-1037
(6) Input Gear Part No. 5-P-1330
(7) Input Gear Part No. 5-P-1331
(8) Input Gear Part No. 5-P-1332
(9) Input Gear Part No. 5-P-636
(10) Input Gear Part No. 5-P-637

(11) Input Gear Part No. 5-P-808
(12) Input Gear Part No. 5-P-1120
(13) Input Gear Part No. 5-P-1174
(14) Input Gear Part No. 5-P-1121
(15) Input Gear Part No. 5-P-1122
(16) Input Gear Part No. 5-P-1123

(17) Input Gear Part No. 5-P-843
(18) Input Gear Part No. 5-P-844
(19) Input Gear Part No. 5-P-634

January 2008

T2130	T313LR21
T2130-B	
T313L	
T313LR21	
T313LR	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.8000MM)

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			

GEARED ADAPTERS

628ZDAX-5DA	Eng	8-A-062	328170-190X	626ZDAX-3DA	Eng	7-A-140	Furnished
				630ZDAX-3DA	Eng	7-A-140	Furnished
				645ZDAX-3DA	Eng	7-A-140	Furnished

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 main transmission in 4th., 10th., or 11th speed, and rear box in neutral. For speeds with main transmission in other gears, multiply speeds shown as follows: 1st. = .323; 2nd., 6th. & 7th. = .515; 3rd., 8th., & 9th. = .720; 5th., 12th., & 13th = 1.405.

NOTE: With main box in reverse the direction of rotation on the P.T.O. output shaft will change.

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.

T2050-C	T2080-D
T2060-C	
T2070-C	
T2070-D	
T2080-C	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

48 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.9770" (24.8200MM)

TRANSMISSION GEAR DATA:

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

48 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.2520" (31.8000MM)

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

812ZKAHX-*3	400	Eng	112		8-A-165		328170-115X
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442ZAAHX-*5 (2)	250	Opp	66		7-A-032	328481X	Furnished	221ZCAHX-*3	250	Opp	75		7-A-062 7-A-032 (1)		Furnished
442ZCAHX-*5 (3)	250	Opp	84		7-A-032	328481X	Furnished	221ZEAHX-*3	250	Opp	86		7-A-032		Furnished
442ZFAHX-*5 (4)	250	Opp	104		7-A-032	328481X	Furnished	221ZLAHX-*3	200	Opp	116		7-A-032		Furnished
442ZHAHX-*5 (5)	250	Opp	121		7-A-032	328481X	Furnished	221ZPAHX-*3	200	Opp	140		7-A-032		Furnished
442ZLAHX-*5 (6)	250	Opp	134		7-A-032	328481X	Furnished	442ZAAHX-*3 (2)	250	Opp	66		7-A-032		Furnished
442ZQAHX-*5 (6)	225	Opp	145		7-A-032	328481X	Furnished	442ZCAHX-*3 (3)	250	Opp	84		7-A-032		Furnished
442ZRAHX-*5 (6)	225	Opp	167		7-A-032	328481X	Furnished	442ZFAHX-*3 (4)	250	Opp	104		7-A-032		Furnished
442ZSAHX-*5 (6)	200	Opp	199		7-A-032	328481X	Furnished	442ZHAHX-*3 (5)	250	Opp	121		7-A-032		Furnished
442ZUAHX-*5 (6)	195	Opp	237		7-A-032	328481X	Furnished	442ZLAHX-*3 (6)	250	Opp	134		7-A-032		Furnished
442ZWAHX-*5 (6)	175	Opp	279		7-A-032	328481X	Furnished	442ZQAHX-*3 (6)	225	Opp	145		7-A-032		Furnished
442ZKAHX-*5 (6)	140	Opp	330		7-A-032	328481X	Furnished	442ZRAHX-*3 (6)	225	Opp	167		7-A-032		Furnished
823ZBAHX-*3 (10)	500	Opp	71		8-A-700		328170-133X	442ZSAHX-*3 (6)	200	Opp	199		7-A-032		Furnished
823ZDAHX-*3 (11)	500	Opp	84		8-A-700		328170-133X	442ZUAHX-*3 (6)	195	Opp	237		7-A-032		Furnished
823ZGAHX-*3 (12)	500	Opp	91		8-A-700		328170-133X	442ZWAHX-*3 (6)	175	Opp	279		7-A-032		Furnished
823ZJAHX-*3 (13)	500	Opp	107		8-A-700		328170-133X	442ZXAHX-*3 (6)	140	Opp	330		7-A-032		Furnished
823ZMAHX-*3 (14)	500	Opp	126		8-A-700		328170-133X	660ZFAHX-*3 (7)	375	Opp	104		7-A-032		Furnished
823ZRAHX-*3 (15)	400	Opp	173		8-A-700		328170-133X	660ZQAHX-*3 (8)	375	Opp	145		7-A-032		Furnished
880ZBAHX-*3 (16)	500	Opp	71		8-A-700		328170-133X	660ZSAHX-*3 (9)	325	Opp	199		7-A-032		Furnished
880ZDAHX-*3 (17)	500	Opp	84		8-A-700		328170-133X								
880ZGAHX-*3 (18)	500	Opp	91		8-A-700		328170-133X								
880ZJAHX-*3 (19)	500	Opp	107		8-A-700		328170-133X								
880ZMAHX-*3 (20)	500	Opp	126		8-A-700		328170-133X								
880ZQAHX-*3 (21)	450	Opp	147		8-A-700		328170-133X								
880ZRAHX-*3 (22)	400	Opp	173		8-A-700		328170-133X								
880ZTAHX-*3 (23)	350	Opp	223		8-A-700		328170-133X								

Continued Next Page

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

(1) Filler block furnished with P.T.O. but not required
 (2) Input Gear Part No. 5-P-1280
 (3) Input Gear Part No. 5-P-1287
 (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-1242
 (8) Input Gear Part No. 5-P-1246
 (9) Input Gear Part No. 5-P-1322
 (10) Input Gear Part No. 5-P-285
 (11) Input Gear Part No. 5-P-971
 (12) Input Gear Part No. 5-P-980

(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-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

T2050-C	T2080-D
T2060-C	
T2070-C	
T2070-D	
T2080-C	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

48 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.9770" (24.8200MM)

TRANSMISSION GEAR DATA:

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

48 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.2520" (31.8000MM)

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)

236ZDAH-X*5 (6)	250	Opp	109		7-A-032	328481X	Furnished	236ZDAH-X*3 (6)	250	Opp	109		7-A-032		Furnished
236ZKAHX*5 (6)	250	Opp	139		7-A-032	328481X	Furnished	236ZKAHX*3 (6)	250	Opp	139		7-A-032		Furnished
236ZQAHX*5 (6)	250	Opp	187		7-A-032	328481X	Furnished	236ZQAHX*3 (6)	250	Opp	187		7-A-032		Furnished
236ZUAHX*5 (6)	225	Opp	215		7-A-032	328481X	Furnished	236ZUAHX*3 (6)	225	Opp	215		7-A-032		Furnished
885ZBAHX*3 (16)	500	Opp	71		8-A-700		328170-133X								
885ZGAHX*3 (18)	500	Opp	91		8-A-700		328170-133X								
885ZJAHX*3 (19)	500	Opp	107		8-A-700		328170-133X								
885ZMAHX*3 (20)	500	Opp	126		8-A-700		328170-133X								

ONE SPEED - FORWARD & REVERSE

352ZSAHX*3 (6)	140	Opp	202	261	7-A-032		Furnished
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ONE SPEED - DUAL SHAFT

452ZSAHX*3 (6)	140	Opp	202		7-A-032		Furnished
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GEARED ADAPTERS

626ZDAX-3DA		Eng			7-A-032		Furnished
630ZDAX-3DA		Eng			7-A-062		Furnished
645ZDAX-3DA		Eng			7-A-062		Furnished

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

(6) Input Gear Part No. 5-P-1004
 (16) Input Gear Part No. 5-P-1100
 (18) Input Gear Part No. 5-P-1135
 (19) Input Gear Part No. 5-P-1102
 (20) Input Gear Part No. 5-P-1103

January 2008

T2060-A
T306G

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

40 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.9280" (48.9700MM)

TRANSMISSION GEAR DATA:

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

40 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

2.2040" (55.9800MM)

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

290KFHUX-*5 (1)	180	Opp	80		7-A-093 (2)	328564X	7170-3X	290KFHUX-*3 (1)	180	Opp	80		7-A-270		7170-4X
290KLHUX-*5 (3)	180	Opp	94		7-A-093	328564X	7170-3X	290KLHUX-*3 (3)	180	Opp	94		7-A-270		7170-4X
290KQHUX-*5 (4)	180	Opp	124		7-A-093	328564X	7170-3X	290KQHUX-*3 (4)	180	Opp	124		7-A-270		7170-4X
290KUHUX-*5 (5)	180	Opp	149		7-A-093	328564X	7170-3X	290KUHUX-*3 (5)	180	Opp	149		7-A-270		7170-4X

NOTE: The "XK" flange cannot be used with the "L" and "U" ratio because of interference with the transmission.

- (1) Input Gear Part No. 5-P-1221
(2) Filler block furnished with P.T.O.
(3) Input Gear Part No. 5-P-1222
(4) Input Gear Part No. 5-P-1223
(5) Input Gear Part No. 5-P-1224

January 2008

T2110-B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.7970MM)

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

812XKDAX-*5	400	Eng	77				Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5 (1)	250	Opp	54	7-A-062(P)	328564X	Furnished	221XCDAX-*3 (1)	250	Opp	54	7-A-032	Furnished
221ZEDAX-*5 (1)	250	Opp	59	7-A-062(P)	328564X	Furnished	221XEDAX-*3 (1)	250	Opp	59	7-A-032	Furnished
221ZLDAX-*5 (1)	200	Opp	80	7-A-062(P)	328564X	Furnished	221XLDAX-*3 (1)	200	Opp	80	7-A-032	Furnished
221ZPDAX-*5 (1)	200	Opp	97	7-A-062(P)	328564X	Furnished	221XPDAX-*3 (1)	200	Opp	97	7-A-032	Furnished
442ZADAX-*5 (2)	250	Opp	47	7-A-032(P)	310778X	Furnished	442ZADAX-*3 (2)	250	Opp	47	7-A-140	Furnished
442ZCDAX-*5 (3)	250	Opp	60	7-A-032(P)	310778X	Furnished	442ZCDAX-*3 (3)	250	Opp	60	7-A-140	Furnished
442ZFDAX-*5 (4)	250	Opp	74	7-A-032(P)	310778X	Furnished	442ZFDAX-*3 (4)	250	Opp	74	7-A-140	Furnished
442ZHDAX-*5 (5)	250	Opp	86	7-A-032(P)	310778X	Furnished	442ZHDAX-*3 (5)	250	Opp	86	7-A-140	Furnished
442ZLDAX-*5 (6)	250	Opp	96	7-A-032(P)	310778X	Furnished	442ZLDAX-*3 (6)	250	Opp	96	7-A-140	Furnished
442ZQDAX-*5 (6)	225	Opp	103	7-A-032(P)	310778X	Furnished	442ZQDAX-*3 (6)	225	Opp	103	7-A-140	Furnished
442ZRDAX-*5 (6)	225	Opp	120	7-A-032(P)	310778X	Furnished	442ZRDAX-*3 (6)	225	Opp	120	7-A-140	Furnished
442ZSDAX-*5 (6)	200	Opp	142	7-A-032(P)	310778X	Furnished	442ZSDAX-*3 (6)	200	Opp	142	7-A-140	Furnished
442ZUDAX-*5 (6)	195	Opp	169	7-A-032(P)	310778X	Furnished	442ZUDAX-*3 (6)	195	Opp	169	7-A-140	Furnished
442ZWDAX-*5 (6)	175	Opp	199	7-A-032(P)	310778X	Furnished	442ZWDAX-*3 (6)	175	Opp	199	7-A-140	Furnished
442ZXDAX-*5 (6)	140	Opp	236	7-A-032(P)	310778X	Furnished	442ZXDAX-*3 (6)	140	Opp	236	7-A-140	Furnished
489ZFDAX-*5 (4)	250	Opp	74	8-A-062	328170-190X	660ZFDAX-*3 (7)	375	Opp	74	7-A-140	Furnished	
489ZHDAX-*5 (5)	250	Opp	86	8-A-062	328170-190X	660ZQDAX-*3 (8)	375	Opp	103	7-A-140	Furnished	
489ZLDAX-*5 (6)	250	Opp	96	8-A-062	328170-190X	660ZSDAX-*3 (9)	325	Opp	142	7-A-140	Furnished	
489ZQDAX-*5 (6)	225	Opp	103	8-A-062	328170-190X							
489ZRDAX-*5 (6)	225	Opp	120	8-A-062	328170-190X							
489ZSDAX-*5 (6)	200	Opp	142	8-A-062	328170-190X							
489ZUDAX-*5 (6)	195	Opp	169	8-A-062	328170-190X							
489ZWDAX-*5 (6)	175	Opp	199	8-A-062	328170-190X							
489ZXDAX-*5 (6)	140	Opp	236	8-A-062	328170-190X							
680ZFDAX-*5 (7)	375	Opp	74	8-A-062	328170-190X							
680ZQDAX-*5 (8)	375	Opp	103	8-A-062	328170-190X							

Continued Next Page

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** For PTO output speeds on the T2110B Main Section, see Mack application MAK-24.**NOTE:** The Rear Section P.T.O. speeds are shown with the Main Section in 5th gear or Direct and the Rear Section in Neutral.**NOTE:** For all other Main Section gear shift positions use the following multiplication factors to determine your PTO output speeds: 1st gear = .255, 2nd & 7th gear = .450, 3rd & 8th gear = .590, 4th & 9th gear = .629 and 6th & 11th gear = 1.067.

(1) Input Gear Part No. 5-P-633
 (2) Input Gear Part No. 5-P-1284
 (3) Input Gear Part No. 5-P-1291
 (4) Input Gear Part No. 5-P-1085
 (5) Input Gear Part No. 5-P-1365
 (6) Input Gear Part No. 5-P-1037

(7) Input Gear Part No. 5-P-1330
 (8) Input Gear Part No. 5-P-1331
 (9) Input Gear Part No. 5-P-1332

T2110-B

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.6670" (16.9400MM)

TRANSMISSION GEAR DATA:

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

49 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0550" (26.7970MM)

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

680ZSDAX-*5 (9)	325	Opp	142		8-A-062		328170-190X								
823XBDAX-*5	500	Opp	48				Furnished								
823XMDAX-*5 (10)	500	Opp	86				Furnished								
823XRDAX-*5 (11)	400	Opp	118				Furnished								
880XBDAX-*5 (12)	500	Opp	48				Furnished								
880XGDAX-*5 (13)	500	Opp	62				Furnished								
880XMDAX-*5 (14)	500	Opp	86				Furnished								
880XRDAX-*5 (15)	400	Opp	118				Furnished								
880XTDAX-*5 (16)	350	Opp	152				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XKDAX-*5 (17)	250	Opp	77		7-A-062(P)	328481X	Furnished	230XKDAX-*3 (17)	250	Opp	77		7-A-032		Furnished
230XQDAX-*5 (18)	250	Opp	102		7-A-062(P)	328481X	Furnished	230XQDAX-*3 (18)	250	Opp	102		7-A-032		Furnished
236ZDDAX-*5 (6)	250	Opp	78		7-A-032(P)	310778X	Furnished	236ZDDAX-*3 (6)	250	Opp	78		7-A-140		Furnished
236ZKDAX-*5 (6)	250	Opp	100		7-A-032(P)	310778X	Furnished	236ZKDAX-*3 (6)	250	Opp	100		7-A-140		Furnished
236ZQDAX-*5 (6)	250	Opp	134		7-A-032(P)	310778X	Furnished	236ZQDAX-*3 (6)	250	Opp	134		7-A-140		Furnished
236ZUDAX-*5 (6)	225	Opp	153		7-A-032(P)	310778X	Furnished	236ZUDAX-*3 (6)	225	Opp	153		7-A-140		Furnished
885XBDAX-*5 (12)	500	Opp	48				Furnished								
885XGDAX-*5 (13)	500	Opp	62				Furnished								
885XMDAX-*5 (14)	500	Opp	86				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (19)	200	Opp	68	71	7-A-062(P)	328481X	Furnished	340SFDAX-*3 (19)	200	Opp	68	71	7-A-062		Furnished
863XBDAX-*5	500	Opp	48	60			Furnished								

GEARED ADAPTERS

628ZDAX-5DA	Eng		8-A-062		328170-190X	626ZDAX-3DA	Eng		7-A-140		Furnished
						630ZDAX-3DA	Eng		7-A-140		Furnished
						645ZDAX-3DA	Eng		7-A-140		Furnished

CAUTION: 660/680 Series: Applications above 1500 RPM, contact Chelsea Technical Service for approval.**NOTE:** For PTO output speeds on the T2110B Main Section, see Mack application MAK-24.**NOTE:** The Rear Section P.T.O. speeds are shown with the Main Section in 5th gear or Direct and the Rear Section in Neutral.**NOTE:** For all other Main Section gear shift positions use the following multiplication factors to determine your PTO output speeds: 1st gear = .255, 2nd & 7th gear = .450, 3rd & 8th gear = .590, 4th & 9th gear = .629 and 6th & 11th gear = 1.067.

(6) Input Gear Part No. 5-P-1037
 (9) Input Gear Part No. 5-P-1332
 (10) Input Gear Part No. 5-P-637
 (11) Input Gear Part No. 5-P-808
 (12) Input Gear Part No. 5-P-1120
 (13) Input Gear Part No. 5-P-1174

(14) Input Gear Part No. 5-P-1121
 (15) Input Gear Part No. 5-P-1122
 (16) Input Gear Part No. 5-P-1123
 (17) Input Gear Part No. 5-P-843
 (18) Input Gear Part No. 5-P-844
 (19) Input Gear Part No. 5-P-634

January 2008

T310
T310-M
T310ME

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0800" (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

812XKDAX-*5	400	Eng	95				Furnished	100XRAHX-*3 (1)	125	Opp	148			328554-2X	Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCDAX-*5	250	Opp	66			328564X	Furnished	221XCAHX-*3	250	Eng	65		7-A-032(P)(2)	328554-2X	Furnished
221ZEDAX-*5	250	Opp	73			328564X	Furnished	221XEAHX-*3	250	Eng	75			328554-2X	Furnished
221ZLDAX-*5	200	Opp	98			328564X	Furnished	221XLAHX-*3	200	Eng	102			328554-2X	Furnished
221ZPDAX-*5	200	Opp	120			328564X	Furnished	221XPAHX-*3	200	Eng	123			328554-2X	Furnished
442ZADAX-*5 (6)	250	Opp	57		7-A-062(P)	328481X	Furnished	221XCDAX-*3	250	Opp	66				Furnished
442ZCDAX-*5 (7)	250	Opp	74		7-A-062(P)	328481X	Furnished	221XEDAX-*3	250	Opp	73				Furnished
442ZFDAX-*5 (8)	250	Opp	92		7-A-062(P)	328481X	Furnished	221XLDAX-*3	200	Opp	98				Furnished
442ZHDAX-*5 (9)	250	Opp	107		7-A-062(P)	328481X	Furnished	221XPDAX-*3	200	Opp	120				Furnished
442ZLDAX-*5 (10)	250	Opp	119		7-A-062(P)	328481X	Furnished	442XFAHX-*3 (3)	250	Eng	91			328554-2X	Furnished
442ZQDAX-*5 (10)	225	Opp	128		7-A-062(P)	328481X	Furnished	442XHAHX-*3 (4)	250	Eng	107			328554-2X	Furnished
442ZRDAX-*5 (10)	225	Opp	149		7-A-062(P)	328481X	Furnished	442XLAHX-*3 (5)	250	Eng	118			328554-2X	Furnished
442ZSDAX-*5 (10)	200	Opp	178		7-A-062(P)	328481X	Furnished	442XQAHX-*3 (5)	225	Eng	128			328554-2X	Furnished
442ZUDAX-*5 (10)	195	Opp	212		7-A-062(P)	328481X	Furnished	442XRAHX-*3 (5)	225	Eng	148			328554-2X	Furnished
442ZWDAX-*5 (10)	175	Opp	250		7-A-032(P)	328481X	Furnished	442XSAHX-*3 (5)	200	Eng	177			328554-2X	Furnished
442ZXDAX-*5 (10)	140	Opp	296		7-A-062(P)	328481X	Furnished	442XUAHX-*3 (5)	195	Eng	211			328554-2X	Furnished
489ZADAX-*5 (6)	250	Opp	57				Furnished	442XWAHX-*3 (5)	175	Eng	248			328554-2X	Furnished
489ZCDAX-*5 (7)	250	Opp	74				Furnished	442XXAHX-*3 (5)	140	Eng	294			328554-2X	Furnished
489ZFDAX-*5 (8)	250	Opp	92				Furnished	442ZADAX-*3 (6)	250	Opp	57		7-A-093		Furnished
489ZHDAX-*5 (9)	250	Opp	107				Furnished	442ZCDAX-*3 (7)	250	Opp	74		7-A-093		Furnished
489ZLDAX-*5 (10)	250	Opp	119				Furnished	442ZFDAX-*3 (8)	250	Opp	92		7-A-093		Furnished
489ZQDAX-*5 (10)	225	Opp	128				Furnished	442ZHDAX-*3 (9)	250	Opp	107		7-A-093		Furnished
489ZRDAX-*5 (10)	225	Opp	149				Furnished	442ZLDAX-*3 (10)	250	Opp	119		7-A-093		Furnished
489ZSDAX-*5 (10)	200	Opp	178				Furnished	442ZQDAX-*3 (10)	225	Opp	128		7-A-093		Furnished
489ZUDAX-*5 (10)	195	Opp	212				Furnished	442ZRDAX-*3 (10)	225	Opp	149		7-A-093		Furnished
489ZWDAX-*5 (10)	175	Opp	250				Furnished	442ZSDAX-*3 (10)	200	Opp	178		7-A-093		Furnished
489ZXDAX-*5 (10)	140	Opp	296				Furnished	442ZUDAX-*3 (10)	195	Opp	212		7-A-093		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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(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-1284

(7) Input Gear Part No. 5-P-1291
(8) Input Gear Part No. 5-P-1085
(9) Input Gear Part No. 5-P-1365
(10) Input Gear Part No. 5-P-1037

T310
T310-M
T310ME

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0800" (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 - TWO GEAR - MECHANICAL SHIFT

680ZFDAX-*5 (11)	375	Opp	92				Furnished	442ZWDAX-*3 (10)	175	Opp	250		7-A-093		Furnished
680ZQDAX-*5 (12)	375	Opp	128				Furnished	442ZXDAX-*3 (10)	140	Opp	296		7-A-093		Furnished
680ZSDAX-*5 (13)	325	Opp	178				Furnished	660ZFDAX-*3 (11)	375	Opp	92		7-A-062		Furnished
823XBDAX-*5	500	Opp	59				Furnished	660ZQDAX-*3 (12)	375	Opp	128		7-A-062		Furnished
823XMDAX-*5 (14)	500	Opp	106				Furnished	660ZSDAX-*3 (13)	325	Opp	178		7-A-062		Furnished
823XRDAX-*5 (15)	400	Opp	148				Furnished								
880XBDAX-*5 (16)	500	Opp	59				Furnished								
880XGDAX-*5 (17)	500	Opp	76				Furnished								
880XMDAX-*5 (18)	500	Opp	106				Furnished								
880XRDAX-*5 (19)	400	Opp	148				Furnished								
880XTDAX-*5 (20)	350	Opp	191				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*5	250	Opp	46		328481X	Furnished	230XADAX-*3	250	Opp	46					Furnished
230XBDAX-*5	250	Opp	60		328481X	Furnished	230XBDAX-*3	250	Opp	60					Furnished
230XDDAX-*5	250	Opp	70		328481X	Furnished	230XDDAX-*3	250	Opp	70					Furnished
230XKDX-*5 (21)	250	Opp	96		328481X	Furnished	230XKDX-*3 (21)	250	Opp	95					Furnished
230XQDAX-*5 (22)	250	Opp	127		328481X	Furnished	230XQDAX-*3 (22)	250	Opp	127					Furnished
236ZDDAX-*5 (10)	250	Opp	96		7-A-062(P)	328481X	Furnished	236XDAHX-*3 (5)	250	Eng	95		328554-2X		Furnished
236ZKDAX-*5 (10)	250	Opp	124		7-A-062(P)	328481X	Furnished	236XKAHX-*3 (5)	250	Eng	123		328554-2X		Furnished
236ZQDAX-*5 (10)	250	Opp	167		7-A-032(P)	328481X	Furnished	236XQAHX-*3 (5)	250	Eng	166		328554-2X		Furnished
236ZUDAX-*5 (10)	225	Opp	192		7-A-062(P)	328481X	Furnished	236XUAHX-*3 (5)	225	Eng	190		328554-2X		Furnished
885XBDAX-*5 (16)	500	Opp	59			Furnished	236ZDDAX-*3 (10)	250	Opp	96		7-A-093			Furnished
885XGDAX-*5 (17)	500	Opp	76			Furnished	236ZKDAX-*3 (10)	250	Opp	124		7-A-093			Furnished
885XMDAX-*5 (18)	500	Opp	106			Furnished	236ZQDAX-*3 (10)	250	Opp	167		7-A-093			Furnished
							236ZUDAX-*3 (10)	225	Opp	192		7-A-093			Furnished

ONE SPEED - FORWARD & REVERSE

340SFDAX-*5 (23)	200	Opp	83	90	328481X	Furnished	340SFDAX-*5 (23)	200	Opp	83	90				Furnished
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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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

(5) Input Gear Part No. 5-P-1004
(10) Input Gear Part No. 5-P-1037
(11) Input Gear Part No. 5-P-1330
(12) Input Gear Part No. 5-P-1331
(13) Input Gear Part No. 5-P-1332
(14) Input Gear Part No. 5-P-637

(15) Input Gear Part No. 5-P-808
(16) Input Gear Part No. 5-P-1120
(17) Input Gear Part No. 5-P-1174
(18) Input Gear Part No. 5-P-1121
(19) Input Gear Part No. 5-P-1122
(20) Input Gear Part No. 5-P-1123

(21) Input Gear Part No. 5-P-P-843
(22) Input Gear Part No. 5-P-P-844
(23) Input Gear Part No. 5-P-634

January 2008

T310
T310-M
T310ME

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

53 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0800" (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 - FORWARD & REVERSE

863XBDAX-*5	500	Opp	59	75			Furnished	352XSAHX-*3 (5)	140	Eng	179	234		328554-2X	Furnished
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ONE SPEED - DUAL SHAFT

								452XSAHX-*3 (5)	140	Eng	179			328554-2X	Furnished
--	--	--	--	--	--	--	--	-----------------	-----	-----	-----	--	--	-----------	-----------

GEARED ADAPTERS

628ZDAX-5DA		Eng					Furnished	626ZDAX-3DA		Eng			7-A-062		Furnished
								630ZDAX-3DA		Eng			7-A-062		Furnished
								645ZDAX-3DA		Eng			7-A-062		Furnished

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: Using the 328554-2X adapter will permit P.T.O. installation on trucks with set back front axle.

NOTE: The 812 series with a direct mount pump flange or a universal joint larger than the 1000 series will interfere with the reverse idler bulge.

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.

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

January 2008

TM308
TM309

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

54 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

0.8100" (20.5700MM)

TRANSMISSION GEAR DATA:

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

54 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.

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

442ZFDAX-*6 (1)	250	Opp	94		7-A-062(P)	328481X	Furnished	442ZFDAX-*4 (1)	250	Opp	94		7-A-062		Furnished
442ZHDAX-*6 (2)	250	Opp	109		7-A-062(P)	328481X	Furnished	442ZHDAX-*4 (2)	250	Opp	109		7-A-062		Furnished
442ZLDAX-*6 (3)	250	Opp	121		7-A-062(P)	328481X	Furnished	442ZLDAX-*4 (3)	250	Opp	121		7-A-062		Furnished
442ZQDAX-*6 (3)	225	Opp	130		7-A-062(P)	328481X	Furnished	442ZQDAX-*4 (3)	225	Opp	130		7-A-062		Furnished
489ZFDAX-*6 (1)	250	Opp	94				Furnished	660ZFDAX-*4 (4)	375	Opp	94		7-A-062		Furnished
489ZHDAX-*6 (2)	250	Opp	109				Furnished	660ZQDAX-*4 (5)	375	Opp	130		7-A-062		Furnished
489ZLDAX-*6 (3)	250	Opp	121				Furnished								
489ZQDAX-*6 (3)	225	Opp	130				Furnished								
680ZFDAX-*6 (4)	375	Opp	94				Furnished								
680ZQDAX-*6 (5)	375	Opp	130				Furnished								
880XBDAX-*6 (6)	500	Opp	61				Furnished								
880XGDAX-*6 (7)	500	Opp	78				Furnished								
880XMDAX-*6 (8)	500	Opp	108				Furnished								
880XRDAX-*6 (9)	400	Opp	150				Furnished								
880XTDAX-*6 (10)	350	Opp	193				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XADAX-*6 (11)	250	Opp	48			328481X	Furnished	230XADAX-*4 (11)	250	Opp	48				Furnished
230XBDAX-*6 (12)	250	Opp	62			328481X	Furnished	230XBDAX-*4 (12)	250	Opp	62				Furnished
230XDDAX-*6 (13)	250	Opp	72			328481X	Furnished	230XDDAX-*4 (13)	250	Opp	72				Furnished
230XKDX-*6 (14)	250	Opp	97			328481X	Furnished	230XKDX-*4 (14)	250	Opp	97				Furnished
230XQDAX-*6 (15)	250	Opp	129			328481X	Furnished	230XQDAX-*4 (15)	250	Opp	129				Furnished
236ZDDAX-*6 (3)	250	Opp	98		7-A-062(P)	328481X	Furnished	236ZDDAX-*4 (3)	250	Opp	98		7-A-062		Furnished
885XBDAX-*6 (6)	500	Opp	61				Furnished								
885XGDAX-*6 (7)	500	Opp	78				Furnished								
885XMDAX-*6 (8)	500	Opp	108				Furnished								

ONE SPEED - FORWARD & REVERSE

340SFDAX-*4 (16)	200	Opp	85	90		328481X	Furnished	340SFDAX-*4 (16)	200	Opp	85	90			Furnished
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Caution: Do not use geared adapters with 442 "A" and "C" ratios.

Caution: Do not install any P.T.O. models with a sliding input gear, the input gear does not shift completely out of mesh.

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

Note: The 54 tooth gear in the transmission is located rearward of the verticle center line by .320.

Note: The 442/489 "R", "S", "U", "W", "X" ratios and 880 "R" and "T" ratiios cannot be mounted on this transmission because the OD of the ratio gear will interfere with the OD of the 54 tooth P.T.O. drive gear in the transmission.

- (1) Input Gear Part No. 5-P-1085
(2) Input Gear Part No. 5-P-1365
(3) Input Gear Part No. 5-P-1037
(4) Input Gear Part No. 5-P-1330
(5) Input Gear Part No. 5-P-1331
(6) Input Gear Part No. 5-P-1120

- (7) Input Gear Part No. 5-P-1174
(8) Input Gear Part No. 5-P-1121
(9) Input Gear Part No. 5-P-1122
(10) Input Gear Part No. 5-P-1123
(11) Input Gear Part No. 5-P-1370
(12) Input Gear Part No. 5-P-1371

- (13) Input Gear Part No. 5-P-1372
(14) Input Gear Part No. 5-P-843
(15) Input Gear Part No. 5-P-844
(16) Input Gear Part No. 5-P-634

January 2008

TM308
TM309

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 8-Bolt Opening Gear REAR of Centerline 54 Teeth - SPUR PITCH LINE TO APERTURE FACE: 0.8100" (20.5700MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear REAR of Centerline 54 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.

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 - FORWARD & REVERSE

863XBDAX-*4 (17)	500	Opp	61	75			Furnished								
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GEARED ADAPTERS

628ZDAX-6DA	Eng				Furnished	626ZDAX-4DA	Eng	Furnished
						630ZDAX-4DA	Eng	Furnished
						645ZDAX-4DA	Eng	Furnished

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

Caution: Do not install any P.T.O. models with a sliding input gear, the input gear does not shift completely out of mesh.

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

Note: The 54 tooth gear in the transmission is located rearward of the verticle center line by .320.

Note: The 442/489 "R", "S","U","W", "X" ratios and 880 "R" and "T" ratiios cannot be mounted on this transmission because the OD of the ratio gear will interfere with the OD of the 54 tooth P.T.O. drive gear in the transmission.



MERCEDES



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.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product and/or system options for further investigation by users having technical expertise. It is important that you analyze all aspects of your application and review the information concerning the product or system in the current product catalog. Due to the variety of operating conditions and applications for these products or systems, the user, through its own analysis and testing, is solely responsible for making the final selection of the products and systems and assuring that all performance, safety and warning requirements of the application are met.

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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MERCEDES TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
G33	M/B-7	5	R43
G56 (See DDG-2 for Dodge/Sterling Trucks)	M/B-8	6	L52
G60	M/B-5	6	R45
G85	M/B-6	6	R53
MBT520-6DA (AGS - Automated Gear Shift)	M/B-5	6	R45
MBT520S-6D	M/B-5	6	R45
MBT660-6OA (AGS - Automated Gear Shift)	M/B-6	6	R53
MBT660S-6O	M/B-6	6	R53



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

G60
MBT520-6DA
MBT520S-6D

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

45 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.4240" (36.1696MM)

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 - MECHANICAL SHIFT

442ZLJGX-*4 (1)	250	Opp	54	7170-72X
442ZQJGX-*4 (1)	225	Opp	58	7170-72X
442ZRJGX-*4 (1)	225	Opp	67	7170-72X
442ZSJGX-*4 (1)	200	Opp	79	7170-72X
442ZUJGX-*4 (1)	195	Opp	95	7170-72X
442ZWJGX-*4 (1)	175	Opp	111	7170-72X
442ZXJGX-*4 (1)	140	Opp	132	7170-72X

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDJGX-*4 (1)	250	Opp	44	7170-72X
236ZKJGX-*4 (1)	250	Opp	56	7170-72X
236ZQJGX-*4 (1)	250	Opp	75	7170-72X
236ZUJGX-*4 (1)	225	Opp	86	7170-72X

NOTE: P.T.O. opening on the right side only.

(1) Input Gear Part No. 5-P-1256

January 2008

G85
MBT660-60A
MBT660S-60

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

53 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

1.3380" (33.9852MM)

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 - MECHANICAL SHIFT

442GLJHX-*4 (1)	250	Opp	84	Furnished
442GQJHX-*4 (1)	225	Opp	90	Furnished
442GRJHX-*4 (1)	225	Opp	104	Furnished
442GSJHX-*4 (1)	200	Opp	124	Furnished
442GUJHX-*4 (1)	195	Opp	148	Furnished
442GWJHX-*4 (1)	175	Opp	174	Furnished
442GXJHX-*4 (1)	140	Opp	206	Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236GDJHX-*4 (1)	250	Opp	68	Furnished
236GKJHX-*4 (1)	250	Opp	86	Furnished
236GQJHX-*4 (1)	250	Opp	117	Furnished
236GUJHX-*4 (1)	225	Opp	134	Furnished

ONE SPEED - FORWARD & REVERSE

352GSJHX-*4 (1)	140	Opp	126	163	Furnished
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ONE SPEED - DUAL SHAFT

452GSJHX-*6 (1)	140	Opp	126	Furnished
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NOTE: P.T.O. mount right side only

(1) Input Gear Part No. 5-P-1257

January 2008

G33

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

43 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

0.9589" (24.3600MM)

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 - MECHANICAL SHIFT

442KLKCX-*3 (1)	250	Opp	56	7-A-165(T)	7170-79X
442KQKCX-*3 (1)	225	Opp	60	7-A-165(T)	7170-79X
442KRKCX-*3 (1)	225	Opp	69	7-A-165(T)	7170-79X
442KSKCX-*3 (1)	200	Opp	83	7-A-165(T)	7170-79X
442KUKCX-*3 (1)	195	Opp	98	7-A-165(T)	7170-79X
442KWKCX-*3 (1)	175	Opp	116	7-A-165(T)	7170-79X
442KXXCX-*3 (1)	140	Opp	137	7-A-165(T)	7170-79X

(1) Input Gear Part No. 5-P-1341

January 2008

G56

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

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

52 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:**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

442LLKH-X*6 (1)	250	Opp	67					7170-72X
442LQKH-X*6 (1)	225	Opp	72					7170-72X
442LRKH-X*6 (1)	225	Opp	84					7170-72X
442LSKH-X*6 (1)	200	Opp	100					7170-72X
442LUKH-X*6 (1)	195	Opp	119					7170-72X
442LWKH-X*6 (1)	175	Opp	140					7170-72X
442LXKH-X*6 (1)	140	Opp	165					7170-72X

(1) Input Gear Part No. 5-P-1343

January 2008

Notes

January 2008



MERITOR



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MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
M-11F10A-E11	RKW-1	10	B45-R45
M-11F10A-S11	RKW-1	10	B45-R45
M-11F9A-E11	RKW-1	9	B45-R45
M-11F9A-S11	RKW-1	9	B45-R45
M-11G10A-D11	RKW-1	10	B45-R45
M-11G10A-E11	RKW-1	10	B45-R45
M-11G10A-M11	RKW-1	10	B45-R45
M-11G10A-S11	RKW-1	10	B45-R45
M-11G9A-D11	RKW-1	9	B45-R45
M-11G9A-E11	RKW-1	9	B45-R45
M-11G9A-M11	RKW-1	9	B45-R45
M-11G9A-S11	RKW-1	9	B45-R45
M-12F10A-E12	RKW-1	10	B45-R45
M-12F10A-S12	RKW-1	10	B45-R45
M-12F9A-E12	RKW-1	9	B45-R45
M-12F9A-S12	RKW-1	9	B45-R45
M-12G10A-D12	RKW-1	10	B45-R45
M-12G10A-E12	RKW-1	10	B45-R45
M-12G10A-M12	RKW-1	10	B45-R45
M-12G10A-S12	RKW-1	10	B45-R45
M-12G9A-D12	RKW-1	9	B45-R45
M-12G9A-E12	RKW-1	9	B45-R45
M-12G9A-M12	RKW-1	9	B45-R45
M-12G9A-S12	RKW-1	9	B45-R45
M-13F10A-E13	RKW-1	10	B45-R45
M-13F10A-S13	RKW-1	10	B45-R45
M-13F9A-E13	RKW-1	9	B45-R45
M-13F9A-S13	RKW-1	9	B45-R45
M-13G10A-D13	RKW-1	10	B45-R45
M-13G10A-E13	RKW-1	10	B45-R45
M-13G10A-M13	RKW-1	10	B45-R45
M-13G10A-S13	RKW-1	10	B45-R45
M-13G9A-D13	RKW-1	9	B45-R45
M-13G9A-E13	RKW-1	9	B45-R45
M-13G9A-M13	RKW-1	9	B45-R45
M-13G9A-S13	RKW-1	9	B45-R45



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
M-13Z12A-A13 (Rear Mount PTO)	ZFM-5	12	R14
M-14F10A-E14	RKW-1	10	B45-R45
M-14F10A-M16	RKW-1	10	B45-R45
M-14F10A-S14	RKW-1	10	B45-R45
M-14F10A-S15	RKW-1	10	B45-R45
M-14F9A-E14	RKW-1	9	B45-R45
M-14F9A-S14	RKW-1	9	B45-R45
M-14G10A-D14	RKW-1	10	B45-R45
M-14G10A-E14	RKW-1	10	B45-R45
M-14G10A-E16	RKW-1	10	B45-R45
M-14G10A-M14	RKW-1	10	B45-R45
M-14G10A-M16	RKW-1	10	B45-R45
M-14G10A-S14	RKW-1	10	B45-R45
M-14G9A-D14	RKW-1	9	B45-R45
M-14G9A-E14	RKW-1	9	B45-R45
M-14G9A-M14	RKW-1	9	B45-R45
M-14G9A-S14	RKW-1	9	B45-R45
M-15F10A-E15	RKW-1	10	B45-R45
M-15F10A-S15	RKW-1	10	B45-R45
M-15G10A-D15	RKW-1	10	B45-R45
M-15G10A-E15	RKW-1	10	B45-R45
M-15G10A-M15	RKW-1	10	B45-R45
M-15G10A-S15	RKW-1	10	B45-R45
MO-11F10A-S11	RKW-2	10	B45-R45
MO-11F10C-E11	RKW-4	10	B45-R45
MO-11F10C-S11	RKW-4	10	B45-R45
MO-11F9B-E11	RKW-3	9	B45-R45
MO-11F9B-S11	RKW-3	9	B45-R45
MO-11G10A-D11	RKW-2	10	B45-R45
MO-11G10A-E11	RKW-2	10	B45-R45
MO-11G10A-M11	RKW-2	10	B45-R45
MO-11G10A-S11	RKW-2	10	B45-R45
MO-11G10C-D11	RKW-4	10	B45-R45
MO-11G10C-E11	RKW-4	10	B45-R45
MO-11G10C-M11	RKW-4	10	B45-R45
MO-11G10C-S11	RKW-4	10	B45-R45



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.

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
MO-11G9B-D11	RKW-3	9	B45-R45
MO-11G9B-E11	RKW-3	9	B45-R45
MO-11G9B-M11	RKW-3	9	B45-R45
MO-11G9B-S11	RKW-3	9	B45-R45
MO-12F10A-E12	RKW-2	10	B45-R45
MO-12F10A-S12	RKW-2	10	B45-R45
MO-12F10C-E12	RKW-4	10	B45-R45
MO-12F10C-S12	RKW-4	10	B45-R45
MO-12F9A-E12	RKW-2	9	B45-R45
MO-12F9A-S12	RKW-2	9	B45-R45
MO-12F9B-E12	RKW-3	9	B45-R45
MO-12F9B-S12	RKW-3	9	B45-R45
MO-12G10A-D12	RKW-2	10	B45-R45
MO-12G10A-E12	RKW-2	10	B45-R45
MO-12G10A-M12	RKW-2	10	B45-R45
MO-12G10A-S12	RKW-2	10	B45-R45
MO-12G10C-D12	RKW-4	10	B45-R45
MO-12G10C-E12	RKW-4	10	B45-R45
MO-12G10C-M12	RKW-4	10	B45-R45
MO-12G10C-S12	RKW-4	10	B45-R45
MO-12G9A-D12	RKW-2	9	B45-R45
MO-12G9A-E12	RKW-2	9	B45-R45
MO-12G9A-M12	RKW-2	9	B45-R45
MO-12G9A-S12	RKW-2	9	B45-R45
MO-12G9B-D12	RKW-3	9	B45-R45
MO-12G9B-E12	RKW-3	9	B45-R45
MO-12G9B-M12	RKW-3	9	B45-R45
MO-12G9B-S12	RKW-3	9	B45-R45
MO-13F10A-E13	RKW-2	10	B45-R45
MO-13F10A-S13	RKW-2	10	B45-R45
MO-13F10C-E13	RKW-4	10	B45-R45
MO-13F10C-S13	RKW-4	10	B45-R45
MO-13F9A-E13	RKW-2	9	B45-R45
MO-13F9A-S13	RKW-2	9	B45-R45
MO-13F9B-E13	RKW-3	9	B45-R45
MO-13F9B-S13	RKW-3	9	B45-R45



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
MO-13G10A-D13	RKW-2	10	B45-R45
MO-13G10A-E13	RKW-2	10	B45-R45
MO-13G10A-M13	RKW-2	10	B45-R45
MO-13G10A-S13	RKW-2	10	B45-R45
MO-13G10C-D13	RKW-4	10	B45-R45
MO-13G10C-E13	RKW-4	10	B45-R45
MO-13G10C-M13	RKW-4	10	B45-R45
MO-13G10C-S13	RKW-4	10	B45-R45
MO-13G9A-D13	RKW-2	9	B45-R45
MO-13G9A-E13	RKW-2	9	B45-R45
MO-13G9A-M13	RKW-2	9	B45-R45
MO-13G9A-S13	RKW-2	9	B45-R45
MO-13G9B-D13	RKW-3	9	B45-R45
MO-13G9B-E13	RKW-3	9	B45-R45
MO-13G9B-M13	RKW-3	9	B45-R45
MO-13G9B-S13	RKW-3	9	B45-R45
MO-14F10A-E14	RKW-2	10	B45-R45
MO-14F10A-E16	RKW-2	10	B45-R45
MO-14F10A-M16	RKW-2	10	B45-R45
MO-14F10A-S14	RKW-2	10	B45-R45
MO-14F10A-S16	RKW-2	10	B45-R45
MO-14F10C-E14	RKW-4	10	B45-R45
MO-14F10C-E16	RKW-4	10	B45-R45
MO-14F10C-M16	RKW-4	10	B45-R45
MO-14F10C-S14	RKW-4	10	B45-R45
MO-14F10C-S16	RKW-4	10	B45-R45
MO-14F9A-E14	RKW-2	9	B45-R45
MO-14F9A-S14	RKW-2	9	B45-R45
MO-14F9B-E14	RKW-3	9	B45-R45
MO-14F9B-S14	RKW-3	9	B45-R45
MO-14G10A-D14	RKW-2	10	B45-R45
MO-14G10A-E14	RKW-2	10	B45-R45
MO-14G10A-E16	RKW-2	10	B45-R45
MO-14G10A-M14	RKW-2	10	B45-R45
MO-14G10A-M16	RKW-2	10	B45-R45
MO-14G10A-S14	RKW-2	10	B45-R45



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.

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
MO-14G10A-S16	RKW-2	10	B45-R45
MO-14G10C-D14	RKW-4	10	B45-R45
MO-14G10C-E14	RKW-4	10	B45-R45
MO-14G10C-E16	RKW-4	10	B45-R45
MO-14G10C-M14	RKW-4	10	B45-R45
MO-14G10C-M16	RKW-4	10	B45-R45
MO-14G10C-S14	RKW-4	10	B45-R45
MO-14G10C-S16	RKW-4	10	B45-R45
MO-14G9A-D14	RKW-2	9	B45-R45
MO-14G9A-E14	RKW-2	9	B45-R45
MO-14G9A-M14	RKW-2	9	B45-R45
MO-14G9A-S14	RKW-2	9	B45-R45
MO-14G9B-D14	RKW-3	9	B45-R45
MO-14G9B-E14	RKW-3	9	B45-R45
MO-14G9B-M14	RKW-3	9	B45-R45
MO-14G9B-S14	RKW-3	9	B45-R45
MO-14Z12A-A14 (Rear Mount PTO)	ZFM-6	12	R14
MO-15F10A-E15	RKW-2	10	B45-R45
MO-15F10A-S15	RKW-2	10	B45-R45
MO-15F10C-E15	RKW-4	10	B45-R45
MO-15F10C-S15	RKW-4	10	B45-R45
MO-15F9B-E15	RKW-3	9	B45-R45
MO-15F9B-S15	RKW-3	9	B45-R45
MO-15G10A-D15	RKW-2	10	B45-R45
MO-15G10A-E15	RKW-2	10	B45-R45
MO-15G10A-M15	RKW-2	10	B45-R45
MO-15G10A-S15	RKW-2	10	B45-R45
MO-15G10C-D15	RKW-4	10	B45-R45
MO-15G10C-E15	RKW-4	10	B45-R45
MO-15G10C-M15	RKW-4	10	B45-R45
MO-15G10C-S15	RKW-4	10	B45-R45
MO-15G9B-D15	RKW-3	9	B45-R45
MO-15G9B-E15	RKW-3	9	B45-R45
MO-15G9B-M15	RKW-3	9	B45-R45
MO-15G9B-S15	RKW-3	9	B45-R45
MO-15Z16A-A15 (Rear Mount PTO)	ZFM-7	12	R14



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
MO-16F10A-E16	RKW-2	10	B45-R45
MO-16F10A-S16	RKW-2	10	B45-R45
MO-16F10C-E16	RKW-4	10	B45-R45
MO-16F10C-E18	RKW-4	10	B45-R45
MO-16F10C-M18	RKW-4	10	B45-R45
MO-16F10C-S16	RKW-4	10	B45-R45
MO-16F10C-S18	RKW-4	10	B45-R45
MO-16G10A-D16	RKW-2	10	B45-R45
MO-16G10A-E16	RKW-2	10	B45-R45
MO-16G10A-M16	RKW-2	10	B45-R45
MO-16G10A-S16	RKW-2	10	B45-R45
MO-16G10C-D16	RKW-4	10	B45-R45
MO-16G10C-E16	RKW-4	10	B45-R45
MO-16G10C-E18	RKW-4	10	B45-R45
MO-16G10C-M16	RKW-4	10	B45-R45
MO-16G10C-M18	RKW-4	10	B45-R45
MO-16G10C-S16	RKW-4	10	B45-R45
MO-16G10C-S18	RKW-4	10	B45-R45
RD10-145A	RKW-1	10	B45-R45
RE10-115A	RKW-1	10	B45-R45
RE10-125A	RKW-1	10	B45-R45
RE10-135A	RKW-1	10	B45-R45
RE10-145A	RKW-1	10	B45-R45
RE10-155A	RKW-1	10	B45-R45
RE9-115A	RKW-1	9	B45-R45
RE9-125A	RKW-1	9	B45-R45
RE9-135A	RKW-1	9	B45-R45
RE9-145A	RKW-1	9	B45-R45
RE9-155A	RKW-1	9	B45-R45
REO9-115B	RKW-3	9	B45-R45
REO9-125A	RKW-2	9	B45-R45
REO9-125B	RKW-3	9	B45-R45
REO9-135A	RKW-2	9	B45-R45
REO9-135B	RKW-3	9	B45-R45
REO9-145A	RKW-2	9	B45-R45
REO9-145B	RKW-3	9	B45-R45

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.



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
REO9-155B	RKW-3	9	B45-R45
REX10-115A	RKW-2	10	B45-R45
REX10-115C	RKW-4	10	B45-R45
REX10-125A	RKW-2	10	B45-R45
REX10-125C	RKW-4	10	B45-R45
REX10-135A	RKW-2	10	B45-R45
REX10-135C	RKW-4	10	B45-R45
REX10-145A	RKW-2	10	B45-R45
REX10-145C	RKW-4	10	B45-R45
REX10-155A	RKW-2	10	B45-R45
REX10-155C	RKW-4	10	B45-R45
REX10-165A	RKW-2	10	B45-R45
REX10-165C	RKW-4	10	B45-R45
REX9-115B	RKW-3	9	B45-R45
REX9-115R	RKW-3	9	B45-R45
REX9-125A	RKW-2	9	B45-R45
REX9-125B	RKW-3	9	B45-R45
REX9-125R	RKW-3	9	B45-R45
REX9-135A	RKW-2	9	B45-R45
REX9-135B	RKW-3	9	B45-R45
REX9-135R	RKW-3	9	B45-R45
REX9-145A	RKW-2	9	B45-R45
REX9-145B	RKW-3	9	B45-R45
REX9-145R	RKW-3	9	B45-R45
REX9-155B	RKW-3	9	B45-R45
RM10-115A	RKW-1	10	B45-R45
RM10-125A	RKW-1	10	B45-R45
RM10-135A	RKW-1	10	B45-R45
RM10-145A	RKW-1	10	B45-R45
RM10-155A	RKW-1	10	B45-R45
RM9-115A	RKW-1	9	B45-R45
RM9-125A	RKW-1	9	B45-R45
RM9-135A	RKW-1	9	B45-R45
RM9-145A	RKW-1	9	B45-R45
RM9-155A	RKW-1	9	B45-R45
RMO13-145A	RKW-1	13	B45-R45



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
RMO9-115A	RKW-2	9	B45-R45
RMO9-115B	RKW-3	9	B45-R45
RMO9-125A	RKW-2	9	B45-R45
RMO9-125B	RKW-3	9	B45-R45
RMO9-135A	RKW-2	9	B45-R45
RMO9-135B	RKW-3	9	B45-R45
RMO9-145A	RKW-2	9	B45-R45
RMO9-145B	RKW-3	9	B45-R45
RMO9-155B	RKW-3	9	B45-R45
RMX10-115A	RKW-2	10	B45-R45
RMX10-115C	RKW-4	10	B45-R45
RMX10-125A	RKW-2	10	B45-R45
RMX10-125C	RKW-4	10	B45-R45
RMX10-135A	RKW-2	10	B45-R45
RMX10-135C	RKW-4	10	B45-R45
RMX10-145A	RKW-2	10	B45-R45
RMX10-145C	RKW-4	10	B45-R45
RMX10-155A	RKW-2	10	B45-R45
RMX10-155C	RKW-4	10	B45-R45
RMX10-165A	RKW-2	10	B45-R45
RMX10-165C	RKW-4	10	B45-R45
RMX9-115B	RKW-3	9	B45-R45
RMX9-115R	RKW-2	9	B45-R45
RMX9-125A	RKW-2	9	B45-R45
RMX9-125B	RKW-3	9	B45-R45
RMX9-125R	RKW-2	9	B45-R45
RMX9-135A	RKW-2	9	B45-R45
RMX9-135B	RKW-3	9	B45-R45
RMX9-135R	RKW-2	9	B45-R45
RMX9-145A	RKW-2	9	B45-R45
RMX9-145B	RKW-3	9	B45-R45
RMX9-145R	RKW-2	9	B45-R45
RMX9-155B	RKW-3	9	B45-R45
RS10-115A	RKW-1	10	B45-R45
RS10-125A	RKW-1	10	B45-R45
RS10-135A	RKW-1	10	B45-R45



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.

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
RS10-145A	RKW-1	10	B45-R45
RS10-155A	RKW-1	10	B45-R45
RS9-115A	RKW-1	9	B45-R45
RS9-125A	RKW-1	9	B45-R45
RS9-135A	RKW-1	9	B45-R45
RS9-145A	RKW-1	9	B45-R45
RS9-155A	RKW-1	9	B45-R45
RSO9-115B	RKW-3	9	B45-R45
RSO9-125B	RKW-3	9	B45-R45
RSO9-135B	RKW-3	9	B45-R45
RSO9-145B	RKW-3	9	B45-R45
RSO9-155B	RKW-3	9	B45-R45
RSX10-115A	RKW-2	10	B45-R45
RSX10-115C	RKW-4	10	B45-R45
RSX10-125A	RKW-2	10	B45-R45
RSX10-125C	RKW-4	10	B45-R45
RSX10-135A	RKW-2	10	B45-R45
RSX10-135C	RKW-4	10	B45-R45
RSX10-145A	RKW-2	10	B45-R45
RSX10-145C	RKW-4	10	B45-R45
RSX10-155A	RKW-2	10	B45-R45
RSX10-155C	RKW-4	10	B45-R45
RSX10-165A	RKW-2	10	B45-R45
RSX10-165C	RKW-4	10	B45-R45
RSX9-115B	RKW-3	9	B45-R45
RSX9-115C	RKW-3	9	B45-R45
RSX9-115R	RKW-3	9	B45-R45
RSX9-125A	RKW-2	9	B45-R45
RSX9-125B	RKW-3	9	B45-R45
RSX9-125C	RKW-3	9	B45-R45
RSX9-125R	RKW-2	9	B45-R45
RSX9-135A	RKW-2	9	B45-R45
RSX9-135B	RKW-3	9	B45-R45
RSX9-135C	RKW-3	9	B45-R45
RSX9-135R	RKW-2	9	B45-R45
RSX9-145A	RKW-2	9	B45-R45



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

MERITOR TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
RSX9-145B	RKW-3	9	B45-R45
RSX9-145C	RKW-3	9	B45-R45
RSX9-145R	RKW-2	9	B45-R45
RSX9-155B	RKW-3	9	B45-R45
RSX9-155C	RKW-3	9	B45-R45

 **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.

M-11F10A-E11	M-11G10A-E11	M-11G9A-M11	M-12F9A-S12	M-12G9A-D12	M-13F10A-S13	M-13G10A-M13	M-13G9A-S13
M-11F10A-S11	M-11G10A-M11	M-11G9A-S11	M-12G10A-D12	M-12G9A-E12	M-13F9A-E13	M-13G10A-S13	M-14F10A-E14
M-11F9A-E11	M-11G10A-S11	M-12F10A-E12	M-12G10A-E12	M-12G9A-M12	M-13F9A-S13	M-13G9A-D13	M-14F10A-M16
M-11F9A-S11	M-11G9A-D11	M-12F10A-S12	M-12G10A-M12	M-12G9A-S12	M-13G10A-D13	M-13G9A-E13	M-14F10A-S14
M-11G10A-D11	M-11G9A-E11	M-12F9A-E12	M-12G10A-S12	M-13F10A-E13	M-13G10A-E13	M-13G9A-M13	M-14F10A-S15

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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	142		7-A-032(P)	328481X	Furnished	100XRAHX-*3 (1)	125	Eng	142				Furnished
812XKAHX-*3	400	Eng	95				Furnished								

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*3	250	Opp	63		7-A-032(P)(2)	328564X	Furnished	221XCAHX-*3	250	Opp	63		7-A-032 (2)		Furnished
221ZEAHX-*3	250	Opp	73			328564X	Furnished	221XEAHX-*3	250	Opp	73				Furnished
221ZLAHX-*3	200	Opp	98			328564X	Furnished	221XLAHX-*3	200	Opp	98				Furnished
221ZPAHX-*3	200	Opp	119			328564X	Furnished	221XPAHX-*3	200	Opp	118				Furnished
442ZAAHX-*3 (4)	250	Opp	56			328564X	Furnished	442XBAHX-*3 (3)	250	Eng	56		REQUIRED		Furnished
442ZCAHX-*3 (5)	250	Opp	71			328564X	Furnished	442XAAHX-*3 (4)	250	Opp	56				Furnished
442ZFAHX-*3 (6)	250	Opp	88			328564X	Furnished	442XCAHX-*3 (5)	250	Opp	71				Furnished
442ZHAHX-*3 (7)	250	Opp	102			328564X	Furnished	442XFAHX-*3 (6)	250	Opp	88				Furnished
442ZLAHX-*3 (8)	250	Opp	114			328564X	Furnished	442XHAHX-*3 (7)	250	Opp	102				Furnished
442ZQAHX-*3 (8)	225	Opp	123			328564X	Furnished	442XLAHX-*3 (8)	250	Opp	114				Furnished
442ZRAHX-*3 (8)	225	Opp	142			328564X	Furnished	442XQAHX-*3 (8)	225	Opp	123				Furnished
442ZSAHX-*3 (8)	200	Opp	169			328564X	Furnished	442XRAHX-*3 (8)	225	Opp	142				Furnished
442ZUAHX-*3 (8)	195	Opp	202			328564X	Furnished	442XSAHX-*3 (8)	200	Opp	169				Furnished
442ZWAHX-*3 (8)	175	Opp	237			328564X	Furnished	442XUAHX-*3 (8)	195	Opp	201				Furnished
442ZXAHX-*3 (8)	140	Opp	281			328564X	Furnished	442XWAHX-*3 (8)	175	Opp	237				Furnished
489XAAHX-*3 (4)	250	Opp	56				Furnished	442XXAHX-*3 (8)	140	Opp	280				Furnished
489XCAHX-*3 (5)	250	Opp	71				Furnished	660XFAHX-*3 (9)	375	Opp	88				Furnished
489XFAHX-*3 (6)	250	Opp	88				Furnished	660XQAHX-*3 (10)	375	Opp	123				Furnished
489XHAHX-*3 (7)	250	Opp	102				Furnished	660XSAHX-*3 (11)	325	Opp	169				Furnished
489XLAHX-*3 (8)	250	Opp	114				Furnished								
489XQAHX-*3 (8)	225	Opp	123				Furnished								
489XRAHX-*3 (8)	225	Opp	142				Furnished								
489XSAHX-*3 (8)	200	Opp	169				Furnished								
489XUAHX-*3 (8)	195	Opp	202				Furnished								
489XWAHX-*3 (8)	175	Opp	237				Furnished								
489XXAHX-*3 (8)	140	Opp	281				Furnished								

Continued Next Page

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, 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:** The 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.**NOTE:** Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.**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

January 2008

M-11F10A-E11	M-11G10A-E11	M-11G9A-M11	M-12F9A-S12	M-12G9A-D12	M-13F10A-S13	M-13G10A-M13	M-13G9A-S13
M-11F10A-S11	M-11G10A-M11	M-11G9A-S11	M-12G10A-D12	M-12G9A-E12	M-13F9A-E13	M-13G10A-S13	M-14F10A-E14
M-11F9A-E11	M-11G10A-S11	M-12F10A-E12	M-12G10A-E12	M-12G9A-M12	M-13F9A-S13	M-13G9A-D13	M-14F10A-M16
M-11F9A-S11	M-11G9A-D11	M-12F10A-S12	M-12G10A-M12	M-12G9A-S12	M-13G10A-D13	M-13G9A-E13	M-14F10A-S14
M-11G10A-D11	M-11G9A-E11	M-12F9A-E12	M-12G10A-S12	M-13F10A-E13	M-13G10A-E13	M-13G9A-M13	M-14F10A-S15

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

680XFAHX-*3 (9)	375	Opp	88					Furnished							
680XQAHX-*3 (10)	375	Opp	123					Furnished							
680XSAHX-*3 (11)	325	Opp	169					Furnished							
823XBAHX-*3 (12)	500	Opp	60					Furnished							
823XJAHX-*3 (13)	500	Opp	91					Furnished							
823XMAHX-*3 (14)	500	Opp	107					Furnished							
823XRAHX-*3 (15)	400	Opp	147					Furnished							
823XTKTX-*3 (16)	350	Opp	177		8-A-165 (2)			Furnished							
880XBAHX-*3 (17)	500	Opp	60					Furnished							
880XDAHX-*3 (18)	500	Opp	71					Furnished							
880XGAHX-*3 (19)	500	Opp	77					Furnished							
880XJAHX-*3 (20)	500	Opp	91					Furnished							
880XMAHX-*3 (21)	500	Opp	107					Furnished							
880XQAHX-*3 (22)	450	Opp	125					Furnished							
880XRAHX-*3 (23)	400	Opp	147					Furnished							
880XTAHX-*3 (24)	350	Opp	189					Furnished							

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

230XAAJX-*3	250	Opp	46			328481X	Furnished	230XAAJX-*3	250	Opp	46				Furnished
230XBAJX-*3	250	Opp	60			328481X	Furnished	230XBAJX-*3	250	Opp	60				Furnished
230XDAJX-*3	250	Opp	70			328481X	Furnished	230XDAJX-*3	250	Opp	70				Furnished
230XKAJX-*3	250	Opp	94			328481X	Furnished	230XKAJX-*3	250	Opp	94				Furnished
230XQAJX-*3	250	Opp	125			328481X	Furnished	230XQAJX-*3	250	Opp	125				Furnished
230XUAJX-*3	225	Opp	201			328481X	Furnished	230XUAJX-*3	225	Opp	200				Furnished
236ZDAHX-*3 (8)	250	Opp	92			328564X	Furnished	236ZDAHX-*3 (8)	250	Opp	92				Furnished
236ZKAHX-*3 (8)	250	Opp	118			328564X	Furnished	236ZKAHX-*3 (8)	250	Opp	118				Furnished
236ZQAHX-*3 (8)	250	Opp	159			328564X	Furnished	236ZQAHX-*3 (8)	250	Opp	159				Furnished
236ZUAHX-*3 (8)	225	Opp	183			328564X	Furnished	236ZUAHX-*3 (8)	225	Opp	182				Furnished
885XBAHX-*3 (17)	500	Opp	60				Furnished								
885XGAHX-*3 (19)	500	Opp	77				Furnished								

Continued Next Page

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, 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: The 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.

NOTE: Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.

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
(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-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

M-11F10A-E11	M-11G10A-E11	M-11G9A-M11	M-12F9A-S12	M-12G9A-D12	M-13F10A-S13	M-13G10A-M13	M-13G9A-S13
M-11F10A-S11	M-11G10A-M11	M-11G9A-S11	M-12G10A-D12	M-12G9A-E12	M-13F9A-E13	M-13G10A-S13	M-14F10A-E14
M-11F9A-E11	M-11G10A-S11	M-12F10A-E12	M-12G10A-E12	M-12G9A-M12	M-13F9A-S13	M-13G9A-D13	M-14F10A-M16
M-11F9A-S11	M-11G9A-D11	M-12F10A-S12	M-12G10A-M12	M-12G9A-S12	M-13G10A-D13	M-13G9A-E13	M-14F10A-S14
M-11G10A-D11	M-11G9A-E11	M-12F9A-E12	M-12G10A-S12	M-13F10A-E13	M-13G10A-E13	M-13G9A-M13	M-14F10A-S15

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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)

885XJAHX-*3 (20)	500	Opp	91				Furnished								
885XMAHX-*3 (21)	500	Opp	107				Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (25)	200	Opp	77	81	7-A-140(P)(2) 7-A-032(P)	328481X	Furnished	340XFAHX-*5 (25)	200	Opp	77	81	7-A-140 (2)		Furnished
352ZSAHX-*3 (8)	140	Opp	171	222		328564X	Furnished	352XSAHX-*3 (8)	140	Opp	171	221			Furnished
863XBAHX-*5	500	Opp	60	74			Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (8)	140	Opp	171			328481X	Furnished	452XSAHX-*3 (8)	140	Opp	171				Furnished
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GEARED ADAPTERS

628XAHX-3AH							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.**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 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.**NOTE:** Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.**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
 (20) Input Gear Part No. 5-P-1102
 (21) Input Gear Part No. 5-P-1103
 (25) Input Gear Part No. 5-P-581

January 2008

MO-11F10A-S11	MO-12F10A-E12	MO-12G10A-E12	MO-12G9A-M12	MO-13F9A-S13	MO-13G9A-D13	MO-14F10A-E16	MO-14F9A-S14
MO-11G10A-D11	MO-12F10A-S12	MO-12G10A-M12	MO-12G9A-S12	MO-13G10A-D13	MO-13G9A-E13	MO-14F10A-M16	MO-14G10A-D14
MO-11G10A-E11	MO-12F9A-E12	MO-12G10A-S12	MO-13F10A-E13	MO-13G10A-E13	MO-13G9A-M13	MO-14F10A-S14	MO-14G10A-E14
MO-11G10A-M11	MO-12F9A-S12	MO-12G9A-D12	MO-13F10A-S13	MO-13G10A-M13	MO-13G9A-S13	MO-14F10A-S16	MO-14G10A-E16
MO-11G10A-S11	MO-12G10A-D12	MO-12G9A-E12	MO-13F9A-E13	MO-13G10A-S13	MO-14F10A-E14	MO-14F9A-E14	MO-14G10A-M14

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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	191		7-A-032(P)	328481X	Furnished	100XRAHX-*3 (1)	125	Eng	191				Furnished
812XKAHX-*3	400	Eng	127				Furnished								

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221ZCAHX-*3	250	Opp	85		7-A-032(P)(2)	328564X	Furnished	221XCAHX-*3	250	Opp	85		7-A-032 (2)		Furnished
221ZEAHX-*3	250	Opp	98			328564X	Furnished	221XEAHX-*3	250	Opp	98				Furnished
221ZLAHX-*3	200	Opp	132			328564X	Furnished	221XLAHX-*3	200	Opp	132				Furnished
221ZPAHX-*3	200	Opp	159			328564X	Furnished	221XPAHX-*3	200	Opp	159				Furnished
442ZAAHX-*3 (4)	250	Opp	75			328564X	Furnished	442XBAHX-*3 (3)	250	Eng	75		REQUIRED		Furnished
442ZCAHX-*3 (5)	250	Opp	96			328564X	Furnished	442XAAHX-*3 (4)	250	Opp	75				Furnished
442ZFAHX-*3 (6)	250	Opp	118			328564X	Furnished	442XCAHX-*3 (5)	250	Opp	96				Furnished
442ZHAHX-*3 (7)	250	Opp	137			328564X	Furnished	442XFAHX-*3 (6)	250	Opp	118				Furnished
442ZLAHX-*3 (8)	250	Opp	153			328564X	Furnished	442XHAHX-*3 (7)	250	Opp	137				Furnished
442ZQAHX-*3 (8)	225	Opp	165			328564X	Furnished	442XLAHX-*3 (8)	250	Opp	153				Furnished
442ZRAHX-*3 (8)	225	Opp	191			328564X	Furnished	442XQAHX-*3 (8)	225	Opp	165				Furnished
442ZSAHX-*3 (8)	200	Opp	227			328564X	Furnished	442XRAHX-*3 (8)	225	Opp	191				Furnished
442ZUAHX-*3 (8)	195	Opp	270			328564X	Furnished	442XSAHX-*3 (8)	200	Opp	227				Furnished
442ZWAHX-*3 (8)	175	Opp	318			328564X	Furnished	442XUAHX-*3 (8)	195	Opp	270				Furnished
442ZXAHX-*3 (8)	140	Opp	376			328564X	Furnished	442XWAHX-*3 (8)	175	Opp	318				Furnished
489XAAHX-*3 (4)	250	Opp	75				Furnished	442XXAHX-*3 (8)	140	Opp	376				Furnished
489XCAHX-*3 (5)	250	Opp	96				Furnished	660XFAHX-*3 (9)	375	Opp	118				Furnished
489XFAHX-*3 (6)	250	Opp	118				Furnished	660XQAHX-*3 (10)	375	Opp	165				Furnished
489XHAHX-*3 (7)	250	Opp	137				Furnished	660XSAHX-*3 (11)	325	Opp	227				Furnished
489XLAHX-*3 (8)	250	Opp	153				Furnished								
489XQAHX-*3 (8)	225	Opp	165				Furnished								
489XRAHX-*3 (8)	225	Opp	191				Furnished								
489XSAHX-*3 (8)	200	Opp	227				Furnished								
489XUAHX-*3 (8)	195	Opp	270				Furnished								
489XWAHX-*3 (8)	175	Opp	318				Furnished								
489XXAHX-*3 (8)	140	Opp	376				Furnished								

Continued Next Page

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 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 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.

NOTE: Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.

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

January 2008

MO-11F10A-S11	MO-12F10A-E12	MO-12G10A-E12	MO-12G9A-M12	MO-13F9A-S13	MO-13G9A-D13	MO-14F10A-E16	MO-14F9A-S14
MO-11G10A-D11	MO-12F10A-S12	MO-12G10A-M12	MO-12G9A-S12	MO-13G10A-D13	MO-13G9A-E13	MO-14F10A-M16	MO-14G10A-D14
MO-11G10A-E11	MO-12F9A-E12	MO-12G10A-S12	MO-13F10A-E13	MO-13G10A-E13	MO-13G9A-M13	MO-14F10A-S14	MO-14G10A-E14
MO-11G10A-M11	MO-12F9A-S12	MO-12G9A-D12	MO-13F10A-S13	MO-13G10A-M13	MO-13G9A-S13	MO-14F10A-S16	MO-14G10A-E16
MO-11G10A-S11	MO-12G10A-D12	MO-12G9A-E12	MO-13F9A-E13	MO-13G10A-S13	MO-14F10A-E14	MO-14F9A-E14	MO-14G10A-M14

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

680XFAHX-*3 (9)	375	Opp	118					Furnished							
680XQAHX-*3 (10)	375	Opp	165					Furnished							
680XSAHX-*3 (11)	325	Opp	227					Furnished							
823XBAHX-*3 (12)	500	Opp	80					Furnished							
823XJAHX-*3 (13)	500	Opp	122					Furnished							
823XMAHX-*3 (14)	500	Opp	143					Furnished							
823XRAHX-*3 (15)	400	Opp	197					Furnished							
823XTKTX-*3 (16)	350	Opp	239		8-A-165 (2)			Furnished							
880XBAHX-*3 (17)	500	Opp	80					Furnished							
880XDAHX-*3 (18)	500	Opp	95					Furnished							
880XGAHX-*3 (19)	500	Opp	104					Furnished							
880XJAHX-*3 (20)	500	Opp	122					Furnished							
880XMAHX-*3 (21)	500	Opp	143					Furnished							
880XQAHX-*3 (22)	450	Opp	167					Furnished							
880XRAHX-*3 (23)	400	Opp	197					Furnished							
880XTAHX-*3 (24)	350	Opp	254					Furnished							

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDAHX-*3 (8)	250	Opp	124		328564X	Furnished	230XAAJX-*3	250	Opp	62		Furnished
236ZKAHX-*3 (8)	250	Opp	159		328564X	Furnished	230XBAJX-*3	250	Opp	81		Furnished
236ZQAHX-*3 (8)	250	Opp	214		328564X	Furnished	230XDAJX-*3	250	Opp	93		Furnished
236ZUAHX-*3 (8)	225	Opp	244		328564X	Furnished	230XKAJX-*3	250	Opp	126		Furnished
885XBAHX-*3 (17)	500	Opp	80			Furnished	230XQAJX-*3	250	Opp	168		Furnished
885XGAHX-*3 (19)	500	Opp	104			Furnished	230XUAJX-*3	225	Opp	269		Furnished
885XJAHX-*3 (20)	500	Opp	122			Furnished	236XDAHX-*3 (8)	250	Opp	124		Furnished
885XMAHX-*3 (21)	500	Opp	143			Furnished	236XKAHX-*3 (8)	250	Opp	159		Furnished
							236XQAHX-*3 (8)	250	Opp	214		Furnished
							236XUAHX-*3 (8)	225	Opp	244		Furnished

Continued Next Page**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 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 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.**NOTE:** Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.**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

(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-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

MO-11F10A-S11	MO-12F10A-E12	MO-12G10A-E12	MO-12G9A-M12	MO-13F9A-S13	MO-13G9A-D13	MO-14F10A-E16	MO-14F9A-S14
MO-11G10A-D11	MO-12F10A-S12	MO-12G10A-M12	MO-12G9A-S12	MO-13G10A-D13	MO-13G9A-E13	MO-14F10A-M16	MO-14G10A-D14
MO-11G10A-E11	MO-12F9A-E12	MO-12G10A-S12	MO-13F10A-E13	MO-13G10A-E13	MO-13G9A-M13	MO-14F10A-S14	MO-14G10A-E14
MO-11G10A-M11	MO-12F9A-S12	MO-12G9A-D12	MO-13F10A-S13	MO-13G10A-M13	MO-13G9A-S13	MO-14F10A-S16	MO-14G10A-E16
MO-11G10A-S11	MO-12G10A-D12	MO-12G9A-E12	MO-13F9A-E13	MO-13G10A-S13	MO-14F10A-E14	MO-14F9A-E14	MO-14G10A-M14

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

340XFAHX-*5 (25)	200	Opp	103	108	7-A-140(P)(2) 7-A-032(P)	328481X	Furnished	340XFAHX-*5 (25)	200	Opp	103	108	7-A-140 (2)		Furnished
352ZSAHX-*3 (8)	140	Opp	230	298		328564X	Furnished	352XSAHX-*3 (8)	140	Opp	230	298			Furnished
863XBAHX-*5	500	Opp	80	100			Furnished								

GEARED ADAPTERS

628XAHX-3AH	Furnished	626XAHX-3AH 630XAHX-3AH 645XAHX-3AH	Furnished Furnished 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 output shaft speed, 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: The 100 Series Output Shaft will Interfer with the Bulge on the Right Side of the Transmission. Use the Adapter shown (626XAHX-3XX) to space the 100 Series out from the Transmission to Clear the Bulge.

NOTE: Two Gear P.T.O.s with Direct Mount Pumps may Not Clear the Transmission Bulge on the Right Side. Check for Clearance Before Mounting the P.T.O. and Pump.

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

January 2008

MO-11F9B-E11	MO-11G9B-S11	MO-12G9B-M12	MO-13G9B-E13	MO-14G9B-D14	MO-15F9B-S15	RE09-115B	REX9-115B
MO-11F9B-S11	MO-12F9B-E12	MO-12G9B-S12	MO-13G9B-M13	MO-14G9B-E14	MO-15G9B-D15	RE09-125B	REX9-115R
MO-11G9B-D11	MO-12F9B-S12	MO-13F9B-E13	MO-13G9B-S13	MO-14G9B-M14	MO-15G9B-E15	RE09-135B	REX9-125B
MO-11G9B-E11	MO-12G9B-D12	MO-13F9B-S13	MO-14F9B-E14	MO-14G9B-S14	MO-15G9B-M15	RE09-145B	REX9-125R
MO-11G9B-M11	MO-12G9B-E12	MO-13G9B-D13	MO-14F9B-S14	MO-15F9B-E15	MO-15G9B-S15	RE09-155B	REX9-135B

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

442ZAAHX-*3 (3)	250	Opp	64			328564X	Furnished	221XCAHX-*3	250	Eng	73		7-A-032(P)(1)	329138X	Furnished
442ZCAHX-*3 (4)	250	Opp	82			328564X	Furnished	221XEAHX-*3	250	Eng	84			329138X	Furnished
442ZFAHX-*3 (5)	250	Opp	101			328564X	Furnished	221XLAHX-*3	200	Eng	113			329138X	Furnished
442ZHAHX-*3 (6)	250	Opp	117			328564X	Furnished	221XPAHX-*3	200	Eng	136			329138X	Furnished
442ZLAHX-*3 (7)	250	Opp	131			328564X	Furnished	442XBAHX-*3 (2)	250	Eng	64		REQUIRED		Furnished
442ZQAHX-*3 (7)	225	Opp	141			328564X	Furnished	442XAAHX-*3 (3)	250	Opp	64				Furnished
442ZRAHX-*3 (7)	225	Opp	163			328564X	Furnished	442XCAHX-*3 (4)	250	Opp	82				Furnished
442ZSAHX-*3 (7)	200	Opp	194			328564X	Furnished	442XFAHX-*3 (5)	250	Opp	101				Furnished
489XAAHX-*3 (3)	250	Opp	64				Furnished	442XHAHX-*3 (6)	250	Opp	117				Furnished
489XCAHX-*3 (4)	250	Opp	82				Furnished	442XLAHX-*3 (7)	250	Opp	131				Furnished
489XFAHX-*3 (5)	250	Opp	101				Furnished	442XQAHX-*3 (7)	225	Opp	141				Furnished
489XHAHX-*3 (6)	250	Opp	117				Furnished	442XRAHX-*3 (7)	225	Opp	163				Furnished
489XLAHX-*3 (7)	250	Opp	131				Furnished	442XSAHX-*3 (7)	200	Opp	194				Furnished
489XQAHX-*3 (7)	225	Opp	141				Furnished	660XFAHX-*3 (8)	375	Opp	101				Furnished
489XRAHX-*3 (7)	225	Opp	163				Furnished	660XQAHX-*3 (9)	375	Opp	141				Furnished
489XSAHX-*3 (7)	200	Opp	194				Furnished	660XSAHX-*3 (10)	325	Opp	194				Furnished
680XFAHX-*3 (8)	375	Opp	101				Furnished								
680XQAHX-*3 (9)	375	Opp	141				Furnished								
680XSAHX-*3 (10)	325	Opp	194				Furnished								
823XBAHX-*3 (11)	500	Opp	69				Furnished								
823XJAHX-*3 (12)	500	Opp	104				Furnished								
823XMAHX-*3 (13)	500	Opp	122				Furnished								
823XRAHX-*3 (14)	400	Opp	169				Furnished								
823XTKTX-*3 (15)	350	Opp	205		8-A-165(P)(1)		Furnished								
880XBAHX-*3 (16)	500	Opp	69				Furnished								
880XDAHX-*3 (17)	500	Opp	82				Furnished								
880XGAHX-*3 (18)	500	Opp	89				Furnished								
880XJAHX-*3 (19)	500	Opp	104				Furnished								
880XMAHX-*3 (20)	500	Opp	122				Furnished								
880XQAHX-*3 (21)	450	Opp	143				Furnished								

Continued Next Page**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:** Use constant mesh P.T.O.s only on this application.**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:** Two gear P.T.O.s with direct mount pumps may not clear the transmission bulge on the right side. Check for clearance before mounting the P.T.O. and pump.**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) Filler block furnished with P.T.O.

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

(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-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

January 2008

MO-11F9B-E11	MO-11G9B-S11	MO-12G9B-M12	MO-13G9B-E13	MO-14G9B-D14	MO-15F9B-S15	REO9-115B	REX9-115B
MO-11F9B-S11	MO-12F9B-E12	MO-12G9B-S12	MO-13G9B-M13	MO-14G9B-E14	MO-15G9B-D15	REO9-125B	REX9-115R
MO-11G9B-D11	MO-12F9B-S12	MO-13F9B-E13	MO-13G9B-S13	MO-14G9B-M14	MO-15G9B-E15	REO9-135B	REX9-125B
MO-11G9B-E11	MO-12G9B-D12	MO-13F9B-S13	MO-14F9B-E14	MO-14G9B-S14	MO-15G9B-M15	REO9-145B	REX9-125R
MO-11G9B-M11	MO-12G9B-E12	MO-13G9B-D13	MO-14F9B-S14	MO-15F9B-E15	MO-15G9B-S15	REO9-155B	REX9-135B

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

880XRAHX-*3 (22)	400	Opp	169				Furnished								
880XTAHX-*3 (23)	350	Opp	218				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDAHX-*3 (7)	250	Opp	106			328564X	Furnished	230XAAJX-*3	250	Opp	53				Furnished
236ZKAHX-*3 (7)	250	Opp	135			328564X	Furnished	230XBAJX-*3	250	Opp	69				Furnished
885XBAHX-*3 (16)	500	Opp	69				Furnished	230XDAJX-*3	250	Opp	80				Furnished
885XGAHX-*3 (18)	500	Opp	89				Furnished	230XKAJX-*3	250	Opp	108				Furnished
885XJAHX-*3 (19)	500	Opp	104				Furnished	230XQAJX-*3	250	Opp	144				Furnished
885XMAHX-*3 (20)	500	Opp	122				Furnished	230XUAJX-*3	225	Opp	231				Furnished
								236XDAHX-*3 (7)	250	Opp	106				Furnished
								236XKAHX-*3 (7)	250	Opp	135				Furnished

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (24)	200	Opp	88	93	7-A-140(P)(1) 7-A-032(P)	328481X	Furnished	340XFAHX-*5 (24)	200	Opp	88	93	7-A-140 (1)		Furnished
352ZSAHX-*3 (7)	140	Opp	197	255		328564X	Furnished	352XSAHX-*3 (7)	140	Opp	197	255			Furnished
863XBAHX-*5	500	Opp	69	85			Furnished								

GEARED ADAPTERS

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

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

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: Two gear P.T.O.s with direct mount pumps may not clear the transmission bulge on the right side. Check for clearance before mounting the P.T.O. and pump.

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

(22) Input Gear Part No. 5-P-1104
(23) Input Gear Part No. 5-P-1105
(24) Input Gear Part No. 5-P-581

January 2008

MO-11F10C-E11	MO-11G10C-S11	MO-12G10C-M12	MO-13G10C-E13	MO-14F10C-M16	MO-14G10C-E16	MO-15F10C-E15	MO-15G10C-S15
MO-11F10C-S11	MO-12F10C-E12	MO-12G10C-S12	MO-13G10C-M13	MO-14F10C-S14	MO-14G10C-M14	MO-15F10C-S15	MO-16F10C-E16
MO-11G10C-D11	MO-12F10C-S12	MO-13F10C-E13	MO-13G10C-S13	MO-14F10C-S16	MO-14G10C-M16	MO-15G10C-D15	MO-16F10C-E18
MO-11G10C-E11	MO-12G10C-D12	MO-13F10C-S13	MO-14F10C-E14	MO-14G10C-D14	MO-14G10C-S14	MO-15G10C-E15	MO-16F10C-M18
MO-11G10C-M11	MO-12G10C-E12	MO-13G10C-D13	MO-14F10C-E16	MO-14G10C-E14	MO-14G10C-S16	MO-15G10C-M15	MO-16F10C-S16

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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	184			328481X	Furnished	100XRAHX-*3 (1)	125	Eng	184		7-A-2000		7170-46X
812XKAHX-*3	400	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	82		7-A-032 (2)		Furnished
221ZEAHX-*3	250	Opp	95			328564X	Furnished	221XEAHX-*3	250	Opp	95				Furnished
221ZLAHX-*3	200	Opp	127			328564X	Furnished	221XLAHX-*3	200	Opp	127				Furnished
221ZPAHX-*3	200	Opp	154			328564X	Furnished	221XPAHX-*3	200	Opp	154				Furnished
442ZAAHX-*3 (4)	250	Opp	72			328564X	Furnished	442XBAHX-*3 (3)	250	Eng	72		REQUIRED		Furnished
442ZCAHX-*3 (5)	250	Opp	92			328564X	Furnished	442XAAHX-*3 (4)	250	Opp	72				Furnished
442ZFAHX-*3 (6)	250	Opp	114			328564X	Furnished	442XCAHX-*3 (5)	250	Opp	92				Furnished
442ZHAHX-*3 (7)	250	Opp	132			328564X	Furnished	442XFAHX-*3 (6)	250	Opp	114				Furnished
442ZLAHX-*3 (8)	250	Opp	148			328564X	Furnished	442XHAHX-*3 (7)	250	Opp	132				Furnished
442ZQAHX-*3 (8)	225	Opp	159			328564X	Furnished	442XLAHX-*3 (8)	250	Opp	148				Furnished
442ZRAHX-*3 (8)	225	Opp	184			328564X	Furnished	442XQAHX-*3 (8)	225	Opp	159				Furnished
442ZSAHX-*3 (8)	200	Opp	219			328564X	Furnished	442XRAHX-*3 (8)	225	Opp	184				Furnished
442ZUAHX-*3 (8)	195	Opp	261			328564X	Furnished	442XSAHX-*3 (8)	200	Opp	219				Furnished
442ZWAHX-*3 (8)	175	Opp	307			328564X	Furnished	442XUAHX-*3 (8)	195	Opp	261				Furnished
442ZXAHX-*3 (8)	140	Opp	363			328564X	Furnished	442XWAHX-*3 (8)	175	Opp	307				Furnished
489XAAHX-*3 (4)	250	Opp	72				Furnished	442XXAHX-*3 (8)	140	Opp	363				Furnished
489XCAHX-*3 (5)	250	Opp	92				Furnished	660XFAHX-*3 (9)	375	Opp	114				Furnished
489XFAHX-*3 (6)	250	Opp	114				Furnished	660XQAHX-*3 (10)	375	Opp	159				Furnished
489XHAHX-*3 (7)	250	Opp	132				Furnished	660XSAHX-*3 (11)	325	Opp	219				Furnished
489XLAHX-*3 (8)	250	Opp	148				Furnished								
489XQAHX-*3 (8)	225	Opp	159				Furnished								
489XRAHX-*3 (8)	225	Opp	184				Furnished								
489XSAHX-*3 (8)	200	Opp	219				Furnished								
489XUAHX-*3 (8)	195	Opp	261				Furnished								
489XWAHX-*3 (8)	175	Opp	307				Furnished								
489XXAHX-*3 (8)	140	Opp	363				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.

(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

MO-11F10C-E11	MO-11G10C-S11	MO-12G10C-M12	MO-13G10C-E13	MO-14F10C-M16	MO-14G10C-E16	MO-15F10C-E15	MO-15G10C-S15
MO-11F10C-S11	MO-12F10C-E12	MO-12G10C-S12	MO-13G10C-M13	MO-14F10C-S14	MO-14G10C-M14	MO-15F10C-S15	MO-16F10C-E16
MO-11G10C-D11	MO-12F10C-S12	MO-13F10C-E13	MO-13G10C-S13	MO-14F10C-S16	MO-14G10C-M16	MO-15G10C-D15	MO-16F10C-E18
MO-11G10C-E11	MO-12G10C-D12	MO-13F10C-S13	MO-14F10C-E14	MO-14G10C-D14	MO-14G10C-S14	MO-15G10C-E15	MO-16F10C-M18
MO-11G10C-M11	MO-12G10C-E12	MO-13G10C-D13	MO-14F10C-E16	MO-14G10C-E14	MO-14G10C-S16	MO-15G10C-M15	MO-16F10C-S16

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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

680XFAHX-*3 (9)	375	Opp	114				Furnished								
680XQAHX-*3 (10)	375	Opp	159				Furnished								
680XSAHX-*3 (11)	325	Opp	219				Furnished								
823XTKTX-*3 (12)	350	Opp	230		8-A-165 (2)		Furnished								
880XBAHX-*3 (13)	500	Opp	78				Furnished								
880XDAHX-*3 (14)	500	Opp	92				Furnished								
880XGAHX-*3 (15)	500	Opp	100				Furnished								
880XJAHX-*3 (16)	500	Opp	118				Furnished								
880XMAHX-*3 (17)	500	Opp	138				Furnished								
880XQAHX-*3 (18)	450	Opp	162				Furnished								
880XRAHX-*3 (19)	400	Opp	191				Furnished								
880XTAHX-*3 (20)	350	Opp	245				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236ZDAH-X*3 (8)	250	Opp	120			328564X	Furnished	230XAAJX-*3	250	Opp	60				Furnished
236ZKAHX-*3 (8)	250	Opp	153			328564X	Furnished	230XBAJX-*3	250	Opp	78				Furnished
236ZQAHX-*3 (8)	250	Opp	206			328564X	Furnished	230XDAJX-*3	250	Opp	90				Furnished
236ZUAHX-*3 (8)	225	Opp	236			328564X	Furnished	230XKAJX-*3	250	Opp	122				Furnished
885XBAHX-*3 (13)	500	Opp	78				Furnished	230XQAJX-*3	250	Opp	162				Furnished
885XGAHX-*3 (15)	500	Opp	100				Furnished	230XUAJX-*3	225	Opp	260				Furnished
885XJAHX-*3 (16)	500	Opp	118				Furnished	236XDAH-X*3 (8)	250	Opp	120				Furnished
885XMAHX-*3 (17)	500	Opp	138				Furnished	236XKAHX-*3 (8)	250	Opp	153				Furnished
								236XQAHX-*3 (8)	250	Opp	206				Furnished
								236XUAHX-*3 (8)	225	Opp	236				Furnished

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (21)	200	Opp	100	105	7-A-140 (2) 7-A-032	328481X	Furnished	340XFAHX-*5 (21)	200	Opp	100	105	7-A-140 (2)		Furnished
352XSAHX-*3 (8)	140	Opp	222	287		328481X	Furnished	352XSAHX-*3 (8)	140	Opp	222	287			Furnished
863XBAHX-*5	500	Opp	78	96			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.
(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-1395

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

January 2008

MO-11F10C-E11	MO-11G10C-S11	MO-12G10C-M12	MO-13G10C-E13	MO-14F10C-M16	MO-14G10C-E16	MO-15F10C-E15	MO-15G10C-S15
MO-11F10C-S11	MO-12F10C-E12	MO-12G10C-S12	MO-13G10C-M13	MO-14F10C-S14	MO-14G10C-M14	MO-15F10C-S15	MO-16F10C-E16
MO-11G10C-D11	MO-12F10C-S12	MO-13F10C-E13	MO-13G10C-S13	MO-14F10C-S16	MO-14G10C-M16	MO-15G10C-D15	MO-16F10C-E18
MO-11G10C-E11	MO-12G10C-D12	MO-13F10C-S13	MO-14F10C-E14	MO-14G10C-D14	MO-14G10C-S14	MO-15G10C-E15	MO-16F10C-M18
MO-11G10C-M11	MO-12G10C-E12	MO-13G10C-D13	MO-14F10C-E16	MO-14G10C-E14	MO-14G10C-S16	MO-15G10C-M15	MO-16F10C-S16

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening Gear FORWARD of Centerline

45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8100" (20.5740MM)

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 - DUAL SHAFT

452XSAHX-*3 (8)	140	Opp	222		328481X	Furnished	452XSAHX-*3 (8)	140	Opp	222					Furnished
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GEARED ADAPTERS

628XAHX-3AH						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.

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

January 2008

M-13Z12A-A13

REAR SIDE ONLY

TRANSMISSION GEAR DATA:

REAR 4-Bolt Opening Gear NON-STANDARD of Centerline

14 Teeth - INVOL

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

522XTACX-*.*	258	Eng	110				Furnished
522XVACX-*.*	258	Eng	139				Furnished

WARNING: Any attempt to bypass transmission control may result in damage to Freedomline Transmissions.

CAUTION: P.T.O. installers must ensure that P.T.O.s are integrated in a manner that permits proper transmission control of P.T.O. engagement and disengagement.**NOTE:** Freedomline Transmissions must control P.T.O. engagement. The "F" shift option provides a ZF Meritor approved 12v / Air Shift Kit and wiring harness to connect to the transmission (ZMTEC) controller.**NOTE:** Order installation kit 328388-82X (12v / Air w/ wiring harness) to connect a 522 Series with the "H" shift option, or contact ZF Meritor (800-535-5560) for other wiring considerations or ZMTEC software questions.

January 2008

MO-14Z12A-A14

REAR SIDE ONLY

TRANSMISSION GEAR DATA:

REAR 4-Bolt Opening Gear NON-STANDARD of Centerline

14 Teeth - INVOL

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

522XTACX-**-	258	Eng	183					Furnished
522XVACX-**-	258	Eng	230					Furnished

WARNING: Any attempt to bypass transmission control may result in damage to Freedomline Transmissions.

CAUTION: P.T.O. installers must ensure that P.T.O.s are integrated in a manner that permits proper transmission control of P.T.O. engagement and disengagement.

NOTE: Freedomline Transmissions must control P.T.O. engagement. The "F" shift option provides a ZF Meritor approved 12v / Air Shift Kit and wiring harness to connect to the transmission (ZMTEC) controller.

NOTE: Order installation kit 328388-82X (12v / Air w/ wiring harness) to connect a 522 Series with the "H" shift option, or contact ZF Meritor (800-535-5560) for other wiring considerations or ZMTEC software questions.

MO-15Z16A-A15

REAR SIDE ONLY

TRANSMISSION GEAR DATA:

REAR 4-Bolt Opening Gear NON-STANDARD of Centerline

14 Teeth - INVOL

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

522XTACX-**-*	258	Eng	150				Furnished
522XVACX-**-*	258	Eng	189				Furnished



MITSUBISHI



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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MITSUBISHI TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
M4	MTB-1	4	L37
M5	MTB-1	5	L37
M5S5 (Manual)	MTB-1	5	L37
M6	MTB-1	6	L37
M6S5 (Manual)	MTB-1	5	L37
M6S6 (Manual)	MTB-1	6	L37
M8S2X5 (Manual)	MTB-2	10	L29
M8S2X5 (10.060/1.0 ratio after 4/94)	MTB-5	10	L29
M8S5 (Model FM-557)	MTB-3	8	L28
M8S6 (Manual)	MTB-3	6	L28
M8S6 (7.814/.894 ratio after 4/94)	MTB-4	6	L28
MO35A4	AIS-1	4	L58
MO35S5 (FE Model)	MTB-6	5	L35
MO35S6 (Same as MO35S5 except counter shaft speed is faster)	MTB-11	5	L35
MO36A6 (Aisin model MY600)	AIS-2	6	L69
MO36S5	MTB-10	5	L40
MO36S6	MTB-10	6	L40
MO6OS5 (FK-617 Model)	MTB-9	5	L35
MO6OS6-D (FM-617 Model - 1996)	MTB-7	6	L41
MO6OS6-OD (FM-617 Model - 1997)	MTB-9	6	L35
MO6OS6A	MTB-9	6	L35
MO7OS6-D (FM-657 Model)	MTB-7	6	L41



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

Transmission P.T.O. Driver & Apertures (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

A443E
A445
MO35A4

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)

243AGKUP-*5 (1)	85	Opp	140				Furnished
270AAKUP-*5 (2)	210	Eng	55				Furnished
270ABKUP-*5 (3)	163	Eng	71				Furnished
270ADKUP-*5 (4)	139	Eng	82				Furnished
270AKKUP-*5 (5)	104	Eng	111				Furnished
270AQKUP-*5 (6)	78	Eng	130				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: To mount the 243 Series or 270 Series a revision to the 6 bolt aperture face had to be made so the input gear of the PTO did not interfere with the transmission case. The revised transmission case will have a serial number of 8D3394 or higher.

- (1) Input Gear Part No. 5-P-1352
- (2) Input Gear Part No. 5-P-1353
- (3) Input Gear Part No. 5-P-1354
- (4) Input Gear Part No. 5-P-1355
- (5) Input Gear Part No. 5-P-1356
- (6) Input Gear Part No. 5-P-1359

January 2008

MY600
MO36A6

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

69 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)

243AGKUP-*5 (1)	65	Opp	167		7-A-032		Furnished
270AAKUP-*5 (2)	167	Eng	65		7-A-032		Furnished
270ABKUP-*5 (3)	129	Eng	85		7-A-032		Furnished
270ADKUP-*5 (4)	112	Eng	98		7-A-032		Furnished
270AKKUP-*5 (5)	82	Eng	132		7-A-032		Furnished
270AQKUP-*5 (6)	78	Eng	155		7-A-032		Furnished

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

- (1) Input Gear Part No. 5-P-1352
(2) Input Gear Part No. 5-P-1353
(3) Input Gear Part No. 5-P-1354
(4) Input Gear Part No. 5-P-1355
(5) Input Gear Part No. 5-P-1356
(6) Input Gear Part No. 5-P-1359

January 2008

M4	M6S6
M5	
M5S5	
M6	
M6S5	

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

37 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.3503" (59.6970MM)

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	90			328997X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XEAHX-*5	250	Eng	46			328997X	Furnished								
221XLAHX-*5	200	Eng	62			328997X	Furnished								
221XPAHX-*5	200	Eng	75			328997X	Furnished								
442XFAHX-*5 (2)	250	Eng	56			328997X	Furnished								
442XHAHX-*5 (3)	250	Eng	65			328997X	Furnished								
442XLAHX-*5 (4)	250	Eng	72			328997X	Furnished								
442XQAHX-*5 (4)	225	Eng	78			328997X	Furnished								
442XRAHX-*5 (4)	225	Eng	90			328997X	Furnished								
442XSAHX-*5 (4)	200	Eng	107			328997X	Furnished								
442XUAHX-*5 (4)	195	Eng	128			328997X	Furnished								
442XWAHX-*5 (4)	175	Eng	150			328997X	Furnished								
442XXAHX-*5 (4)	140	Eng	178			328997X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*5 (4)	250	Eng	58			328997X	Furnished								
236XKAHX-*5 (4)	250	Eng	75			328997X	Furnished								
236XQAHX-*5 (4)	250	Eng	101			328997X	Furnished								
236XUAHX-*5 (4)	225	Eng	116			328997X	Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (5)	200	Eng	49	51	7-A-140(P)(6)	328997X	Furnished								
352XSAHX-*5 (4)	140	Eng	108	140		328997X	Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (4)	140	Eng	108			328997X	Furnished								
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NOTE: Adapter assembly shown 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-1077
 (3) Input Gear Part No. 5-P-1364
 (4) Input Gear Part No. 5-P-1004
 (5) Input Gear Part No. 5-P-581
 (6) Filler block furnished with P.T.O.

January 2008

M8S2X5

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

29 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

-1.3711" (-34.8300MM)

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	Eng	63			329022X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (2)	250	Opp	39			329022X	Furnished								
442XHAHX-*6 (3)	250	Opp	45			329022X	Furnished								
442XLAHX-*6 (4)	250	Opp	50			329022X	Furnished								
442XQAHX-*6 (4)	225	Opp	54			329022X	Furnished								
442XRAHX-*6 (4)	225	Opp	63			329022X	Furnished								
442XSAHX-*6 (4)	200	Opp	75			329022X	Furnished								
442XUAHX-*6 (4)	195	Opp	89			329022X	Furnished								
442XWAHX-*6 (4)	175	Opp	105			329022X	Furnished								
442XXAHX-*6 (4)	140	Opp	124			329022X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (4)	250	Opp	41			329022X	Furnished								
236XKAHX-*6 (4)	250	Opp	52			329022X	Furnished								
236XQAHX-*6 (4)	250	Opp	71			329022X	Furnished								
236XUAHX-*6 (4)	225	Opp	81			329022X	Furnished								

ONE SPEED - FORWARD & REVERSE

352XSAHX-*6 (4)	140	Opp	76	98		329022X	Furnished								
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ONE SPEED - DUAL SHAFT

452XSAHX-*6 (4)	140	Opp	76			329022X	Furnished								
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NOTE: Adapter assembly shown is required to convert the non-standard opening to a standard S.A.E. 6-bolt opening. The negative sign (-) indicates the gear protrudes beyond the aperture face.

NOTE: The P.T.O. speeds shown are with the transmission in high range. For P.T.O. speeds with the transmission in low range, multiply the speeds shown by 1.226.

- (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

January 2008

M8S5
M8S6

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

28 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.2730" (32.3340MM)

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	Eng	61					329072X	Furnished						
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (2)	250	Opp	38					329072X	Furnished						
442XHAHX-*6 (3)	250	Opp	44					329072X	Furnished						
442XLAHX-*6 (4)	250	Opp	49					329072X	Furnished						
442XQAHX-*6 (4)	225	Opp	53					329072X	Furnished						
442XRAHX-*6 (4)	225	Opp	61					329072X	Furnished						
442XSAHX-*6 (4)	200	Opp	73					329072X	Furnished						
442XUAHX-*6 (4)	195	Opp	87					329072X	Furnished						
442XWAHX-*6 (4)	175	Opp	102					329072X	Furnished						
442XXAHX-*6 (4)	140	Opp	121					329072X	Furnished						

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (4)	250	Opp	40					329072X	Furnished						
236XKAHX-*6 (4)	250	Opp	51					329072X	Furnished						
236XQAHX-*6 (4)	250	Opp	68					329072X	Furnished						
236XUAHX-*6 (4)	225	Opp	79					329072X	Furnished						

ONE SPEED - FORWARD & REVERSE

352XSAHX-*6 (4)	140	Opp	74	95				329072X	Furnished						
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ONE SPEED - DUAL SHAFT

452XSAHX-*6 (4)	140	Opp	74					329072X	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

M8S6

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

L.H. 10-Bolt Opening Gear NON-STANDARD of Centerline

28 Teeth - L.H. HELIX

PITCH LINE TO APERTURE FACE:

1.2930" (32.8422MM)

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	Eng	61			329211X	Furnished
-----------------	-----	-----	----	--	--	---------	-----------

ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (2)	250	Opp	38			329211X	Furnished
442XHAHX-*6 (3)	250	Opp	44			329211X	Furnished
442XLAHX-*6 (4)	250	Opp	49			329211X	Furnished
442XQAHX-*6 (4)	225	Opp	53			329211X	Furnished
442XRAHX-*6 (4)	225	Opp	61			329211X	Furnished
442XSAHX-*6 (4)	200	Opp	73			329211X	Furnished
442XUAHX-*6 (4)	195	Opp	87			329211X	Furnished
442XWAHX-*6 (4)	175	Opp	102			329211X	Furnished
442XXAHX-*6 (4)	140	Opp	121			329211X	Furnished

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (4)	250	Opp	40			329211X	Furnished
236XKAHX-*6 (4)	250	Opp	51			329211X	Furnished
236XQAHX-*6 (4)	250	Opp	68			329211X	Furnished
236XUAHX-*6 (4)	225	Opp	79			329211X	Furnished

ONE SPEED - FORWARD & REVERSE

352XSAHX-*6 (4)	140	Opp	74	95		329211X	Furnished
-----------------	-----	-----	----	----	--	---------	-----------

ONE SPEED - DUAL SHAFT

452XSAHX-*6 (4)	140	Opp	74			329211X	Furnished
-----------------	-----	-----	----	--	--	---------	-----------

(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

M8S2X5

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

L.H. 10-Bolt Opening Gear NON-STANDARD of Centerline

29 Teeth - L.H. HELIX

PITCH LINE TO APERTURE FACE:

1.3920" (35.3568MM)

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	Eng	63			329210X	Furnished								
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XFAHX-*6 (2)	250	Opp	39			329210X	Furnished								
442XHAHX-*6 (3)	250	Opp	45			329210X	Furnished								
442XLAHX-*6 (4)	250	Opp	50			329210X	Furnished								
442XQAHX-*6 (4)	225	Opp	54			329210X	Furnished								
442XRAHX-*6 (4)	225	Opp	63			329210X	Furnished								
442XSAHX-*6 (4)	200	Opp	75			329210X	Furnished								
442XUAHX-*6 (4)	195	Opp	89			329210X	Furnished								
442XWAHX-*6 (4)	175	Opp	105			329210X	Furnished								
442XXAHX-*6 (4)	140	Opp	124			329210X	Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*6 (4)	250	Opp	41			329210X	Furnished								
236XKAHX-*6 (4)	250	Opp	52			329210X	Furnished								
236XQAHX-*6 (4)	250	Opp	71			329210X	Furnished								
236XUAHX-*6 (4)	225	Opp	81			329210X	Furnished								

ONE SPEED - FORWARD & REVERSE

352XSAHX-*6 (4)	140	Opp	76	98		329210X	Furnished								
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ONE SPEED - DUAL SHAFT

452XSAHX-*6 (4)	140	Opp	76			329210X	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

MO35S5

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

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

35 Teeth - L.H. HELIX

PITCH LINE TO APERTURE FACE:

0.9820" (24.9428MM)

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

447CXHAX-*4 (1)	140	Eng	57	Furnished
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NOTE: The P.T.O. drive gear in the transmission protrudes above the P.T.O. mounting surface by .982".**NOTE:** The 6 bolt P.T.O. mounting pad on the transmission is not a standard SAE 6 bolt pad.

(1) Input Gear Part No. 5-P-1220

January 2008

MO6OS6-D
MO7OS6-D

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

41 Teeth - R.H. HELIX

PITCH LINE TO APERTURE FACE:

2.3900" (60.7060MM)

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

429GQHBX-*5 (1) 175 Opp 100 Furnished

NOTE: The 6 bolt opening on this transmission is not a standard SAE 6 bolt pad.

(1) Input Gear Part No. 5-P-1229

January 2008

MO6OS5
MO6OS6-OD
MO6OS6A

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:

2.5000" (63.5000MM)

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

429GQHDx-*5 (1) 175 Opp 82 Furnished

NOTE: The 6 bolt P.T.O. mounting pad on the transmission is not a standard SAE 6 bolt pad.

(1) Input Gear Part No. 5-P-1228

January 2008

MO36S5
MO36S6

LEFT SIDE ONLY

TRANSMISSION GEAR DATA:

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

40 Teeth - L.H. HELIX

PITCH LINE TO APERTURE FACE:

1.4720" (37.3880MM)

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

447CXHAX-*4 (1) 140 Eng 72 7-A-500(P) 7170-6X

NOTE: The 7-A-500 spacer and 7170-6X stud kit does not come with the 447C Series and must be ordered separately. The spacer is required to go between the P.T.O. and the adapter that is furnished with the P.T.O. and the stud kit is required to mount the P.T.O. thru the spacer to the adapter.

NOTE: The 40 tooth P.T.O. drive gear in the transmission protrudes above the P.T.O. aperture face by 1.472"

NOTE: The 6 bolt pad on this transmission is not a standard S.A.E. 6 bolt mounting pad.

(1) Input Gear Part No. 5-P-1220

January 2008

MO35S6

LEFT SIDE ONLY**TRANSMISSION GEAR DATA:**

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

35 Teeth - L.H. HELIX

PITCH LINE TO APERTURE FACE:

0.9820" (24.9428MM)

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

447CXHAX-*4 (1) 140 Eng 69 Furnished

NOTE: The P.T.O. drive gear in this transmission protrudes above the P.T.O. aperture face by .982".**NOTE:** The 6 bolt mount pad is not a standard SAE 6 bolt mounting pad.

(1) Input Gear Part No. 5-P-1220

January 2008

Notes



El Poder de Mover

**NEW
PROCESS**



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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NEW PROCESS TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
NP-203 (Transfer Case)	NPG-20	2	L32-R32
441-RTJ	NPG-6	5	L23-R19
541	NPG-5	5	L23-R20
541-12	NPG-6	5	L23-R19
541-15	NPG-6	5	L23-R19
541-16	NPG-6	5	L23-R19
541-C	NPG-5	5	L23-R20
541-CL	NPG-7	5	L23-R20
541-DD12	NPG-6	5	L23-R19
541-DD12A	NPG-6	5	L23-R19
541-DD13	NPG-5	5	L23-R20
541-DD14	NPG-5	5	L23-R20
541-DD15	NPG-6	5	L23-R19
541-DD15A	NPG-6	5	L23-R19
541-DD16	NPG-6	5	L23-R19
541-DD16A	NPG-6	5	L23-R19
541-DD17	NPG-6	5	L23-R19
541-DD17A	NPG-6	5	L23-R19
541-DD17B	NPG-6	5	L23-R19
541-DD18	NPG-6	5	L23-R19
541-DD18A	NPG-6	5	L23-R19
541-DD22B	NPG-6	5	L23-R19
541-DD23B	NPG-6	5	L23-R19
541-DG21	NPG-5	5	L23-R20
541-FD1	NPG-5	5	L23-R20
541-FD2	NPG-5	5	L23-R20
541-FD23B	NPG-7	5	L23-R20
541-FL1	NPG-6	5	L23-R19
541-FL2	NPG-6	5	L23-R19
541-FO1	NPG-5	5	L23-R20
541-FO2	NPG-5	5	L23-R20
541-GD11	NPG-5	5	L23-R20
541-GD22	NPG-5	5	L23-R20
541-GD23	NPG-7	5	L23-R20
541-GD24	NPG-7	5	L23-R20
541-GD24B	NPG-7	5	L23-R20



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

NEW PROCESS TRANSMISSION INDEX

Transmission Make and Model	P.T.O. Appl. Number	Number Forward Speeds	Teeth in P.T.O. Driver
541-GD25	NPG-7	5	L23-R20
541-GL	NPG-7	5	L23-R20
541-GO	NPG-5	5	L23-R20
542-CD	NPG-5	5	L23-R20
542-CL	NPG-7	5	L23-R20
542-CO	NPG-5	5	L23-R20
542-DD	NPG-5	5	L23-R20
542-DL	NPG-6	5	L23-R19
542-DO	NPG-5	5	L23-R20
542-FD	NPG-5	5	L23-R20
542-FL	NPG-6	5	L23-R19
542-FO	NPG-5	5	L23-R20
542-GD	NPG-5	5	L23-R20
542-GL	NPG-7	5	L23-R20
542-GO	NPG-5	5	L23-R20

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.



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

541	541-FD1	541-GD22	542-DO
541-C	541-FD2	541-GO	542-FD
541-DD13	541-FO1	542-CD	542-FO
541-DD14	541-FO2	542-CO	542-GD
541-DG21	541-GD11	542-DD	542-GO

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

23 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0750" (27.3100MM)

TRANSMISSION GEAR DATA:

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

20 Teeth - HELIX

PITCH LINE TO APERTURE FACE:

.9390" (23.8500MM)

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	42				Furnished	100XRAWX-*3 (2)	125	Eng	45		7-A-187		8000-4X
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Eng	19		7-A-032 (3)		Furnished	442KLAWX-*3 (4)	250	Opp	33		7-A-187		7170-4X
221XEAHX-*5	250	Eng	21				Furnished	442KQAWX-*3 (4)	225	Opp	36		7-A-187		7170-4X
221XLAHX-*5	200	Eng	29				Furnished	442KRAWX-*3 (4)	225	Opp	42		7-A-187		7170-4X
221XPAHX-*5	200	Eng	35				Furnished	442KSAWX-*3 (4)	200	Opp	50		7-A-187		7170-4X
442XBAHX-*5 (5)	250	Eng	16				Furnished	442KUAWX-*3 (4)	195	Opp	59		7-A-187		7170-4X
442XFAHX-*5 (6)	250	Eng	26				Furnished	442KWAWX-*3 (4)	175	Opp	70		7-A-187		7170-4X
442XHAHX-*5 (7)	250	Eng	30				Furnished	442KXAWX-*3 (4)	140	Opp	82		7-A-187		7170-4X
442XLAHX-*5 (8)	250	Eng	33				Furnished								
442XQAHX-*5 (8)	225	Eng	36				Furnished								
442XRAHX-*5 (8)	225	Eng	42				Furnished								
442XSAHX-*5 (8)	200	Eng	50				Furnished								
442XUAHX-*5 (8)	195	Eng	59				Furnished								
442XWAHX-*5 (8)	175	Eng	70				Furnished								
442XXAHX-*5 (8)	140	Eng	82				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*5 (8)	250	Eng	27				Furnished								
236XKAHX-*5 (8)	250	Eng	35				Furnished								
236XQAHX-*5 (8)	250	Eng	47				Furnished								
236XUAHX-*5 (8)	225	Eng	53				Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (9)	200	Eng	23	24	7-A-140 (3)		Furnished	352XSAWX-*3 (4)	140	Opp	50	65	7-A-187		7170-4X
352XSAHX-*5 (8)	140	Eng	50	65			Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (8)	140	Eng	50				Furnished	452XSAWX-*3 (4)	140	Opp	50		7-A-187		7170-4X
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GEARED ADAPTERS

626XAHX-4AH							Furnished	626KAWX-3GZ					7-A-187		7170-4X
630XAHX-4AH							Furnished	630KAWX-3GZ					7-A-187		7170-4X
645XAHX-4AH							Furnished	645KAWX-3GZ					7-A-187		7170-4X

CAUTION: Do Not Use a Geared Adapter with the 442XBAH Ratio. Final P.T.O. Output Shaft Rotation Must be "Engine".

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Gear and Shaft Kit No. KXA-2-P-566
 (3) Filler block furnished with P.T.O.
 (4) Input Gear Part No. 5-P-1009
 (5) Input Gear Part No. 5-P-1418
 (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-581

441-RTJ	541-DD12A	541-DD17	541-DD22B	542-FL
541-12	541-DD15	541-DD17A	541-DD23B	
541-15	541-DD15A	541-DD17B	541-FL1	
541-16	541-DD16	541-DD18	541-FL2	
541-DD12	541-DD16A	541-DD18A	542-DL	

LEFT SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

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

23 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0750" (27.3100MM)

TRANSMISSION GEAR DATA:

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

19 Teeth - HELIX

PITCH LINE TO APERTURE FACE:

1.0500" (26.6700MM)

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	35				Furnished	100XRAWX-*3 (2)	125	Eng	37				Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Eng	16		7-A-032 (3)		Furnished	442XLAWX-*3 (8)	250	Opp	27		7-A-062		Furnished
221XEAHX-*5	250	Eng	18				Furnished	442XQAWX-*3 (8)	225	Opp	29		7-A-062		Furnished
221XLAHX-*5	200	Eng	24				Furnished	442XRAWX-*3 (8)	225	Opp	34		7-A-062		Furnished
221XPAHX-*5	200	Eng	30				Furnished	442XSAWX-*3 (8)	200	Opp	40		7-A-062		Furnished
442XBAHX-*5 (4)	250	Eng	14				Furnished	442XUAWX-*3 (8)	195	Opp	48		7-A-062		Furnished
442XFAHX-*5 (5)	250	Eng	22				Furnished	442XWAWX-*3 (8)	175	Opp	56		7-A-062		Furnished
442XHAHX-*5 (6)	250	Eng	26				Furnished	442XXAWX-*3 (8)	140	Opp	66		7-A-062		Furnished
442XLAHX-*5 (7)	250	Eng	28				Furnished								
442XQAHX-*5 (7)	225	Eng	31				Furnished								
442XRAHX-*5 (7)	225	Eng	35				Furnished								
442XSAHX-*5 (7)	200	Eng	42				Furnished								
442XUAHX-*5 (7)	195	Eng	50				Furnished								
442XWAHX-*5 (7)	175	Eng	59				Furnished								
442XXAHX-*5 (7)	140	Eng	70				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*5 (7)	250	Eng	23				Furnished								
236XKAHX-*5 (7)	250	Eng	29				Furnished								
236XQAHX-*5 (7)	250	Eng	40				Furnished								
236XUAHX-*5 (7)	225	Eng	46				Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (9)	200	Eng	19	20	7-A-140 (3)		Furnished	352XSAWX-*3 (8)	140	Opp	41	52	7-A-062		Furnished
352XSAHX-*5 (7)	140	Eng	43	55			Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (7)	140	Eng	43				Furnished	452XSAWX-*3 (8)	140	Opp	41		7-A-062		Furnished
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GEARED ADAPTERS

626XAHX-4AH							Furnished	626XAWX-3GZ		Eng			7-A-062		Furnished
630XAHX-4AH							Furnished	630XAWX-3GZ		Eng			7-A-062		Furnished
645XAHX-4AH							Furnished	645XAWX-3GZ		Eng			7-A-062		Furnished

CAUTION: Do Not Use a Geared Adapter with the 442XBAH Ratio. Final P.T.O. Output Shaft Rotation Must be "Engine".

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Gear and Shaft Kit No. KXA-2-P-566
 (3) Filler block furnished with P.T.O.
 (4) Input Gear Part No. 5-P-1418
 (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-1009
 (9) Input Gear Part No. 5-P-581

541-CL	541-GD25
541-FD23B	541-GL
541-GD23	542-CL
541-GD24	542-GL
541-GD24B	

LEFT SIDE ONLY	RIGHT SIDE ONLY
TRANSMISSION GEAR DATA: L.H. 6-Bolt Opening Gear FORWARD of Centerline 23 Teeth - SPUR PITCH LINE TO APERTURE FACE: 1.0750" (27.3100MM)	TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening Gear FORWARD of Centerline 20 Teeth - HELIX PITCH LINE TO APERTURE FACE: .9390" (23.8500MM)

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	35				Furnished	100XRAWX-*3 (2)	125	Eng	39		7-A-187		8000-4X
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

221XCAHX-*5	250	Eng	16		7-A-032 (3)		Furnished	442KLAWX-*3 (4)	250	Opp	28		7-A-187		7170-4X
221XEAHX-*5	250	Eng	18				Furnished	442KQAWX-*3 (4)	225	Opp	31		7-A-187		7170-4X
221XLAHX-*5	200	Eng	24				Furnished	442KRAWX-*3 (4)	225	Opp	35		7-A-187		7170-4X
221XPAHX-*5	200	Eng	30				Furnished	442KSAWX-*3 (4)	200	Opp	42		7-A-187		7170-4X
442XBAHX-*5 (5)	250	Eng	14				Furnished	442KUAWX-*3 (4)	195	Opp	50		7-A-187		7170-4X
442XFAHX-*5 (6)	250	Eng	22				Furnished	442KWAWX-*3 (4)	175	Opp	59		7-A-187		7170-4X
442XHAHX-*5 (7)	250	Eng	26				Furnished	442KXAWX-*3 (4)	140	Opp	70		7-A-187		7170-4X
442XLAHX-*5 (8)	250	Eng	28				Furnished								
442XQAHX-*5 (8)	225	Eng	31				Furnished								
442XRAHX-*5 (8)	225	Eng	35				Furnished								
442XSAHX-*5 (8)	200	Eng	42				Furnished								
442XUAHX-*5 (8)	195	Eng	50				Furnished								
442XWAHX-*5 (8)	175	Eng	59				Furnished								
442XXAHX-*5 (8)	140	Eng	70				Furnished								

ONE SPEED - TWO GEAR - POWERSHIFT (AIR)

236XDAHX-*5 (8)	250	Eng	23				Furnished								
236XKAHX-*5 (8)	250	Eng	29				Furnished								
236XQAHX-*5 (8)	250	Eng	40				Furnished								
236XUAHX-*5 (8)	225	Eng	46				Furnished								

ONE SPEED - FORWARD & REVERSE

340XFAHX-*5 (9)	200	Eng	19	20	7-A-140 (3)		Furnished	352XSAWX-*3 (4)	140	Opp	43	55	7-A-187		7170-4X
352XSAHX-*5 (8)	140	Eng	43	55			Furnished								

ONE SPEED - DUAL SHAFT

452XSAHX-*3 (8)	140	Eng	43				Furnished	452XSAWX-*3 (4)	140	Opp	43		7-A-187		7170-4X
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GEARED ADAPTERS

626XAHX-4AH							Furnished	626KAWX-3GZ					7-A-187		7170-4X
630XAHX-4AH							Furnished	630KAWX-3GZ					7-A-187		7170-4X
645XAHX-4AH							Furnished	645KAWX-3GZ					7-A-187		7170-4X

CAUTION: Do Not Use a Geared Adapter with the 442XBAH Ratio. Final P.T.O. Output Shaft Rotation Must be "Engine".

(1) Gear and Shaft Kit No. KXA-2-P-565
 (2) Gear and Shaft Kit No. KXA-2-P-566
 (3) Filler block furnished with P.T.O.
 (4) Input Gear Part No. 5-P-1009
 (5) Input Gear Part No. 5-P-1418
 (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-581

NP-203

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:

1.0850" (27.5600MM)

TRANSMISSION GEAR DATA:

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

32 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

100XRBKX-*3 (1)	125	Eng	121				Furnished	100XRBKX-*3 (1)	125	Eng	121				Furnished
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ONE SPEED - TWO GEAR - MECHANICAL SHIFT

442XLBKX-*3 (2)	250	Opp	93				Furnished	442XLBKX-*3 (2)	250	Opp	93				Furnished
442XQBKX-*3 (2)	225	Opp	100				Furnished	442XQBKX-*3 (2)	225	Opp	100				Furnished
442XRBKX-*3 (2)	225	Opp	116				Furnished	442XRBKX-*3 (2)	225	Opp	116				Furnished
442XSBKX-*3 (2)	200	Opp	138				Furnished	442XSBKX-*3 (2)	200	Opp	138				Furnished
442XUBKX-*3 (2)	195	Opp	164				Furnished	442XUBKX-*3 (2)	195	Opp	164				Furnished
442XWBKX-*3 (2)	175	Opp	193				Furnished	442XWBKX-*3 (2)	175	Opp	193				Furnished
442XXBKX-*3 (2)	140	Opp	228				Furnished	442XXBKX-*3 (2)	140	Opp	228				Furnished

NOTE: 203 Model is available with aperture on right or left side. However, all models will have only one (1) opening. Chevrolet Blazer has L.H. Opening.**NOTE:** Speeds shown are with main transmission in direct drive. Reverse and all ratios of transmission are available through P.T.O. by shifting of main transmission.(1) Gear and Shaft Kit No. KXA-2-P-574
(2) Input Gear Part No. 5-P-1018

January 2008



Podcast Moves

**NEW
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