		FULL	EK IH	RANSM	RIGHT SIDE ONLY (BOTTOM OPENING TURN PAGE)				,				
MUNCIE			RTAO-10710B-AC, RTAO-12710B-AC, RTAO-14710B-AC, RTAO-16710B-AC, RTAO-10710B-AS, RTAO-12710B-AS, RTAO-14710B-AS, RTAO-16710B-AS Footnote (2, 3, 8)						SAE 6-BOLT OPENINGPTO DRIVE GEAR DATA:45T 6P 20° PA SpurLOCATION: FrontPLMF: 1.085PLV: 1854 FPMRPM: 944				
6-BOLT TYPE			FOOT NOTES	SHAFT ROTATION	EN HI	IGINE LO	REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTEI @ 1,000 RP Torque	
SINGLE GEAR													
Single Speed Multi Gear	TG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6806-C1BX TG6S-U6807-C1BX TG6S-U6808-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6812-C1BH TG6S-U6813-C1BH TG6S-U6815-C1BH		$1, 6, 9 \\ 1, 6$	Opp Opp Opp Opp Opp Opp Opp Opp Opp Opp	64 83 108 128 156 163 200 228 257 304					Included Included Included Included Included Included Included Included Included	Cable Cable Cable Cable Cable Cable Cable Cable Cable	285 270 245 230 230 205 210 207 184 155	54 51 47 44 44 39 40 39 35 29
SH SERIES	SH6S-U6005-E1BX SH6S-U6807-E1BX SH6S-U6809-E1BX SH6S-U6812-E1BX		6 6 6	Opp Opp Opp Opp	83 123 153 203					Included Included Included Included	Elec/Air Elec/Air Elec/Air Elec/Air	400 383 308 231	76 73 59 44
CLUTCH SHIFT	CS6S-U6003-E1BX CS6S-U6004-E1BX CS6S-U6005-E1BX CS6S-U6806-E1BX CS6S-U6807-E1BX CS6S-U6809-E1BX CS6S-U6809-E1BX		6 6 6	Орр Орр Орр Орр Орр Орр Орр	58 76 83 98 123 153 203					Included Included Included Included Included Included Included	Power Power Power Power Power Power	300 300 300 300 300 275 231	57 57 57 57 57 52 44
1 FWD. 1 REV.			4, 7 7	Орр Орр	47 96		47 96		23M60200S 23M60200S	20MK6602 20MK6602	Lever Lever	200 200	38 38
ADAPTER				40TU68	355-1				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				
8-BOLT TYPE			FOOT NOTES	SHAFT ROTATION	EN HI	IGINE LO	% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTEI @ 1,000 RP Torque	
SINGLE SPEED MULTI GEAR													
1 FWD. 1 REV.													
MODEL BREAK DOWN	GEAR PITCH GEAR PITCH INTERNAL RATIO SHIFT OPTIONS (see page 6) SPECIAL OPTIONS (see page 6)												
	6-BOLT TYPE SINGLE GEAR SINGLE SPEED MULTI GEAR SH SERIES CLUTCH SHIFT 1 FWD. 1 FWD. 1 REV. ADAPTER 8-BOLT TYPE SINGLE SPEED MULTI REV. 1 REV. 1 REV. 1 REV. 1 REV.	6-BOLT TYPE      MODEL N MODEL N        SINGLE GEAR      TG6S-U680 TG6S-U680 TG6S-U680 TG6S-U680 TG6S-U680 TG6S-U681        SINGLE SPEED MULTI GEAR      TG6S-U680 TG6S-U681        SH6S-U680 SH6S-U681      TG6S-U680 TG6S-U681        SH6S-U680 SH6S-U681      SH6S-U680 SH6S-U681        SH6S-U680 SH6S-U681      SH6S-U680 SH6S-U680        SH6S-U680 SH6S-U681      SH6S-U680 SH6S-U681        SH6S-U680 SH6S-U681      SH6S-U680 CS6S-U680 CS6S-U680        SH6S-U680 SH6S-U681      SH6S-U680 SH6S-U681        SHFT      CS6S-U600 CS6S-U680 CS6S-U680        SINGLE SPEED MULTI GEAR      RL6D-U680 RL6D-U680        1 FWD. 1 REV.      RL6D-U680 RL6D-U680        SINGLE SPEED MULTI GEAR      PTO SER        MODEL MODEL DOWN      PTO SER        EX:      T G 6S -	AMUNICITY    PTO MODEL NUMBER      SINGLE GEAR    TG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6807-C1BH TG6S-U6807-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH      SH SERIES    SH6S-U6005-E1BX SH6S-U6807-E1BX SH6S-U6807-E1BX SH6S-U6807-E1BX SH6S-U6807-E1BX CS6S-U6807-E1BX SH6S-U6807-E1BX CS6S-U6807-E1	MUNICIPY    RTAO-10 RTAO-11      6-BOLT TYPE    PTO MODEL NUMBER    FOOT NOTES      SINGLE GEAR    TG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6805-C1BX TG6S-U6807-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6803-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX CS	SINGLE GEAR    TG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6806-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6813-C1BH TG6S-U6812-E1BX SH6S-U6005-E1BX SH6S-U6005-E1BX SH6S-U6809-E1BX CS6S-U6004-E1BX CS6S-U6004-E1BX CS6S-U6004-E1BX CS6S-U6004-E1BX CS6S-U6809-E1BX CS6S	BITAO-10710B-AS, RT/ RTAO-14710B-AS, RT/ Cotinute (2, 6-BOLT      PTO MODEL NUMBER      FOOT NOTES      SHAFT      EN Cotinute (2, 6-BOLT        SINGLE GEAR      TG85-U6804-C18X TG85-U6805-C18X      1, 6, 9 1, 6, 9      Opp      64 0        SINGLE GEAR      TG85-U6804-C18X TG85-U6805-C18X      1, 6, 9 1, 6, 9      Opp      108 0        SINGLE GEAR      TG85-U6807-C18X TG85-U6807-C18X      1, 6, 9 1, 6, 9      Opp      108 0        MULTI GEA-U6812-C18H      1, 6, 9 TG85-U6812-C18H      1, 6, 9 0pp      Opp      228 0        TG85-U6807-E18X SH65-U6812-C18H      1, 6, 9 TG85-U6807-E18X      Opp      230 0        SH      SH65-U6807-E18X SH65-U6807-E18X      0      Opp      233 0        SH      SH65-U6004-E18X SH65-U6807-E18X      0      Opp      78 0        SH      SH65-U6807-E18X SH65-U6807-E18X      0      0      98 0        CLUTCH      CS65-U6004-E18X SH65-U6807-E18X      0      0      99 153 0      99 153 0        CLUTCH      SH62-U6803-L38X SH65-U6807-E18X      6 0      0      99 123      99 163        CLUTCH      RL6D-U6803-L38X SH65-U6807-E18X CS65-U6807-E18X      6 0      0      1      <	TAO-10710B-AS, RTAO-12 RTAO-14710B-AS, RTAO-11 Footnote (2, 3, 8)      6-BOLT TYPE    PTO MODEL NUMBER    FOOT NOTES    SHAFT ROTATION    ENGINE HI      SINGLE SPEED MULTI GEAR    TG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6809-C1BX TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BH TG6S-U6812-C1BX TG6S-U6812-C1BX TG6S-U6812-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX CS6S-U680	RTAO-10710B-AS, RTAO-12710B RTAO-14710B-AS, RTAO-12710B RTAO-14710B-AS, RTAO-16710E Footnote (2,3,8)      6-BOLT TYPE    PTO MODEL NUMBER    FOOT NOTES    SHAFT ROTATION    ENGINE%      SINGLE GEAR    IG6S-U6804-C1BX TG6S-U6805-C1BX TG6S-U6807-C1BX TG6S-U6807-C1BX TG6S-U6807-C1BX TG6S-U6807-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BX TG6S-U6808-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6818-C1BH TG6S-U6809-E1BX SH6S-U6809-E1BX SH6S-U6809-E1BX CS6S-U6003-L3BX T T COPP S8 COPP	RTAO-10710B-AS, RTAO-12710B-AS, RTAO-14710B-AS, RTAO-16710B-AS, RTAO-14710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, RTAO-16710B-AS, ROUTED B-AS, ROUTED B-AS, RTAO-16710B-AS, ROUTED B-AS, RTAO-16710B-AS, ROUTED B-AS, ROUTED B-AS, ROUTED B-AS, RTAO-16710B-AS, ROUTED SHIFT OFTORDS (SEE PAGE 6) UPD SECONATOR ROUTED SHIFT D-TORD ROUTED SHAFT D- SHIFT OFTORD S(SE PAGE 6) UPD SECONATOR	HUMBER      RTAO-10710B-AS, RTAO-12710B-AS, RTAO-12710A, RTANGREMENT (RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710B-AS, RTAO-12710A, RTANGREMENT (RTAO-12710A, RTANGREMENT (RTAO-12710A, RTANGREMENT (RTAO-12710A, RTANGREMENT (RTAO-12710A, RTANGREMENT (RTA	BITAO -10710B-AS, RTAO-12710B-AS, RTAO-14710B-AS, RTAO-16710B-AS, RTAO-14710B-AS, RTAO-17710B, RTATION      RTAO-14710B-AS, RTAO-14710B-AS, RTAO-14710B-AS, RTAO-17710B, RTAO-177100, RTAO-17710B, RTAO-17710B, RTAO-17710B, RTAO-17710B,	RTAO-10710B-AS, RTAO-12710B-AS, RTAO-1470P-AS, RTAO-16710B-AS, Footnote (2, 3, 8)      40.7 FP 20 PA 5000 PLV: 1854 FPM      PLM:: 1.065 RPM:: 944        G-BOLT TYPE      ODEL NUMBER MODEL NUMBER      FOOT INTER      SHAFT INTER      ENGINE%: INCLE REAL      ADAPTER      SPACER      STUD KIT      SHIT TYPE        SINGLE GEAR      Included      Cable      Included      Cable      Included      Cable        SINGLE GEAR      TGSS-UB804-C1BX      1, 6, 9      Opp      64      Included      Cable        SINGLE GEAR      TGSS-UB804-C1BX      1, 6, 9      Opp      64      Included      Cable        SINGLE GEAR      TGSS-UB804-C1BX      1, 6, 9      Opp      63      Included      Cable        SINGLE FORS-UB804-C1BX      1, 6, 9      Opp      128      Included      Cable      Included      Cable        TGSS-UB804-C1BX      1, 6, 9      Opp      230      Included      Cable      Included      Cable        TGSS-UB804-C1BX      1, 6, 9      Opp      230      Included      Cable      Included      Cable        SHEEL UB807-E1BX      6      Opp      23	RTAO-10710B-AS, RTAO-12710B-AS, RTAO-14710B-AS, RTAO-14710B-AS, Footnote (2, 3, 8)      Strift P2/07 PA Spar LOCATORS.      PLME: 1.055 PMEM: 944        G-BOLT TYPE      MODEL NUMBER MODEL      NOTES INVERS      SHAFT      ENGINE% INVERS      ADAPTER      SPACER      STUD KIT      SHIFT PME      Immunol Induced        SINGLE      I      I      I      I      Immunol Rest      Imm

## FOOTNOTES:

1 TG Series Input Gear #03T34284 - refer to kit program on pages 10 &11.

2 Direct mount pumps will not clear bulge on right side unless adapter is used. However, there is pump clearance for direct mounting the PKS-Series pump to a TG6S-U68\*\*-C1SX for pumps up to the PKS1-15-02BPBB. The 17GPM requires a S68 gear (03T94243), 23M60200S and 20MK6603.

3 For vehicles with spring hanger interference use the 40TU6855-1 adapter. Not applicable for direct mount pumps. Refer to adapter gear assemblies in the table of contents for additional space requirements.

4 RL Series with combined reduction gear box. ("03"Ratio).

5 Typical adapter used to clear frame interference. 40TU6845-1 & 40TU6830-1 are also available options. Chassis with clutch slave cylinder located at bottom of transmission, the 40TU6830-1 is recommended.

6 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M60200S and stud kit 20MK6603 (20TK4433 for SH or CS).

7 Do not use for continuous duty applications.

8 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 22 of the General Information section.

9 Some chassis may interfere with indicator switch on air shift PTOs. Order TG-RPS separately.

		FULL	ER TR	ANSM	BOTTOM OPENING ONLY (RIGHT SIDE TURN PAGE)			<u> </u>						
				10B-AC					SAE 8-BOLT OPENING					
		R	AO-107	10B-AC 10B-AS 710B-AS Footn	, RT/ 6, RT/	40-1 A0-1	2710	B-AS,	PTO DRIVE GEAR DATA: 47T 6P 20° PA Spur LOCATION: Front PLMF: .810 PLV: 1936 FPM RPM: 944					
6-BOLT TYPE		-	FOOT NOTES	SHAFT ROTATION	EN HI	IGINE LO	% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTEI @ 1,000 RP TORQUE	NT RATING M OF PTO HP	
SINGLE GEAR														
SINGLE SPEED MULTI GEAR	TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68 TG8S-U68	05-C1BX 06-C1BX 07-C1BX 08-C1BX 09-C1BX 12-C1BH 13-C1BH 15-C1BH	1, 5 1, 5 1, 5 1, 5 1, 5 1, 5 1, 5 1, 5	Opp Opp Opp Opp Opp Opp Opp Opp Opp	67 87 113 134 164 171 210 239 269 318					Included Included Included Included Included Included Included Included Included	Cable Cable Cable Cable Cable Cable Cable Cable Cable	285 270 245 230 230 205 210 199 176 148	54 51 47 44 39 40 38 34 28	
SH SERIES	SH8S-U6005-E1BX SH8S-U6807-E1BX SH6S-U6809-E1BX SH8S-U6812-E1BX SH8S-U6813-E1BX		5 5 5 5	Opp Opp Opp Opp Opp	83 123 153 212 246					Included Included Included Included Included	Elec/Air Elec/Air Elec/Air Elec/Air Elec/Air	400 366 295 221 200	76 70 56 42 38	
CLUTCH SHIFT	CS8S-U6003-E1BX CS8S-U6004-E1BX CS8S-U6005-E1BX CS8S-U6806-E1BX CS8S-U6807-E1BX CS8S-U6809-E1BX CS8S-U6814-E1BX		5 5 5 5	Орр Орр Орр Орр Орр Орр Орр Орр	61 80 87 103 128 160 212 265					Included Included Included Included Included Included Included	Power Power Power Power Power Power Power	300 300 300 300 300 275 221 178	57 57 57 57 57 57 52 42 34	
1 FWD. 1 REV.	RL8S-U6803-L3BX RL8S-U6805-L3BX		4, 6 6	Opp Opp	49 101		49 101		23M80032 23M80032	Included Included	Lever Lever	200 200	38 38	
ADAPTE	R TO CHANGE R	OTATION	3	40TU688	6-1 + 23	M80500	) + 23M8	30062 + 20MK8817	REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX					
8-BOLT TYPE		_	FOOT NOTES	SHAFT ROTATION	EN HI	IGINE LO	% REV	ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTE @ 1,000 RP Torque		
SINGLE SPEED MULTI GEAR	828S-U68 828S-U68 828S-U68 828S-U68 828S-U68 828S-U68 828S-U68 828S-U68	08-L1CX 09-L1CX 10-L1CX 12-L1CX 13-L1CX 13-L1CX 15-L1CX		Орр Орр Орр Орр Орр Орр Орр Орр	62 98 121 130 150 174 190 234				(2) 23M80062 23M80248	Included Included Included Included Included Included 20MK8817	Lever Lever Lever Lever Lever Lever Lever	500 450 388 362 313 271 248 202	95 85 74 69 60 52 47 38	
1 FWD. 1 REV.														
MODEL Break Down	GEAR PITCH								MBLY ARRANGEMENT (see pages 18-19) UT SHAFT (see page 6) IAL OPTIONS (see page 6)					
EX: $\overrightarrow{IG}$ 65 - $\overrightarrow{U68}$ 07 - $\overrightarrow{C}$ 1 B X IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION														

## FOOTNOTES:

1 TG Series Input Gear #03T34284 - refer to kit program on pages 10 &11.

2 Vehicles with setback front axles and direct mount pumps may find better clearance with a "3" assembly PTO. Also, clearance of air tanks is improved on

International chassis. Transmissions with clutch assist cylinder on bottom of transmission are best with the "1" arrangement PTO. 3 When using the 40TU6886-1 adapter to change rotation - change TG Series, CS Series, SH Series, and RL Series to 6-bolt PTO housing (G6S, CS6S, SH6S, and RL6D respectively.) Add 23M60200S + 20MK6603 for RL Series on PTO side of adapter.

4 RL Series with combined reduction gear box. ("03"Ratio).

5 Optional: U68 Input Gear can be replaced by S68 Input Gear to obtain output speed 92% of speed shown. Add spacer 23M80190 and stud kit 20MK8808.

6 Do not use for continuous duty applications.

7 PTO torque rating shown is maximum calculated PTO rating which will not exceed the 500 lb.ft. rating set by Eaton for their transmissions with roller bearings. Refer to Eaton bulletin TMIB-0127. Maximum PTO torque must not exceed this rating or the PTO rating shown on page 22 of the General Information section.