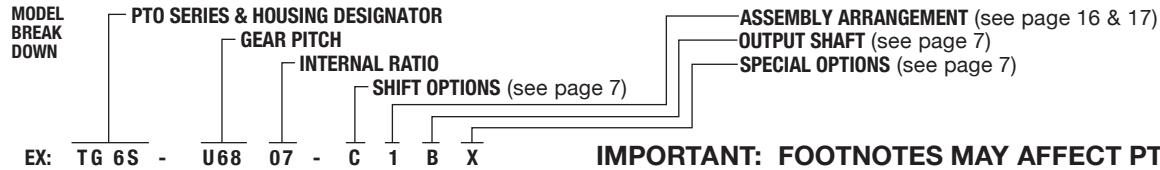


CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MACK TRANSMISSION								RIGHT SIDE ONLY (LEFT SIDE TURN PAGE)				
	<b>T310M<sup>1</sup>, T310MLR<sup>2</sup></b> (This Page is for Rear Box Openings) Footnote (3, 6)							SAE 6-BOLT OPENING				
								PTO DRIVE GEAR DATA:				
								49T 6.48P 17.5° PA Spur				
								LOCATION: Front			PLMF: 1.055	
								PLV: 1308 FPM			RPM: 612	
6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE%			ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO	
				HI	LO	REV					TORQUE	HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG6S-M6504-C1BX	4	Opp	42				23M60062S	Included	Cable	285	54
	TG6S-M6505-C1BX	4	Opp	54				23M60062S	Included	Cable	270	51
	TG6S-M6506-C1BX	4	Opp	70				23M60062S	Included	Cable	245	47
	TG6S-M6507-C1BX	4	Opp	83				23M60062S	Included	Cable	230	44
	TG6S-M6508-C1BX	4	Opp	102				23M60062S	Included	Cable	230	44
	TG6S-M6509-C1BX	4	Opp	106				23M60062S	Included	Cable	205	39
	TG6S-M6512-C1BH	4	Opp	130				23M60062S	Included	Cable	210	40
	TG6S-M6513-C1BH	4	Opp	148				23M60062S	Included	Cable	210	40
	TG6S-M6515-C1BH	4	Opp	167				23M60062S	Included	Cable	195	37
	TG6S-M6518-C1BH	4	Opp	198				23M60062S	Included	Cable	175	33
SH SERIES	SH6S-M6505-E1BX		Opp	54				23M60062S	Included	Elec/Air	400	76
	SH6S-M6507-E1BX		Opp	81				23M60062S	Included	Elec/Air	400	76
	SH6S-M6509-E1BX		Opp	100				23M60062S	Included	Elec/Air	375	71
	SH6S-M6512-E1BX		Opp	133				23M60062S	Included	Elec/Air	325	62
CLUTCH SHIFT	CS6S-M6504-E1BX		Opp	51				23M60062S	Included	Power	300	57
	CS6S-M6505-E1BX		Opp	54				23M60062S	Included	Power	300	57
	CS6S-M6507-E1BX		Opp	81				23M60062S	Included	Power	300	57
	CS6S-M6509-E1BX		Opp	100				23M60062S	Included	Power	275	52
	CS6S-M6512-E1BX		Opp	133				23M60062S	Included	Power	275	52
1 FWD. 1 REV.	RL6D-M6503-L3BX	6, 7	Opp	30		30		23M60240S	20MK6603	Lever	200	38
	RL6D-M6505-L3BX	7	Opp	62		62		23M60240S	20MK6603	Lever	200	38
ADAPTER TO CHANGE ROTATION			40TM6500 + 23M61500 + 23M60450 + 20MK6631					REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

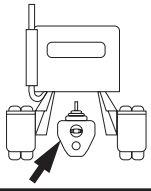

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE%			ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO	
				HI	LO	REV					TORQUE	HP
SINGLE SPEED MULTI GEAR												
1 FWD. 1 REV.												



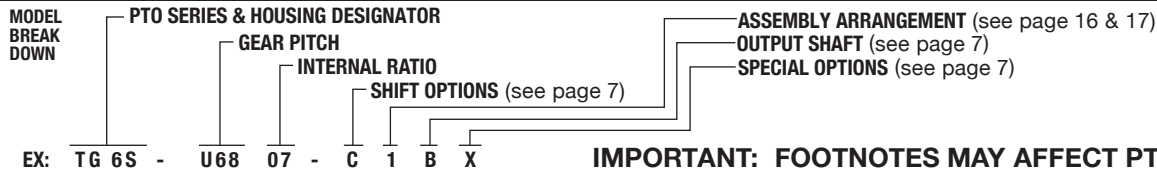
**IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION**

- FOOTNOTES:**
- T310M – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .22, 1st - .34, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.38. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.
  - T310MLR – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .14, 1st - .28, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.40. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.
  - The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an “upgraded option for PTO use. Use Main Box for PTO if option not included.
  - TG Series Input Gear: #03T34597 – Refer to kit program on pages 10 & 11.
  - RL Series with combined reduction gear box.
  - Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
  - Do not use for continuous duty applications.

CAUTION: MAXIMUM OUTPUT SHAFT SPEED NOT TO EXCEED 2,500 RPM.

MACK TRANSMISSION								LEFT SIDE ONLY (RIGHT SIDE TURN PAGE)				
 <p style="text-align: center;"><b>T310M<sup>1</sup>, T310MLR<sup>2</sup></b> (This Page is for Rear Box Openings) Footnote (3, 6)</p>								SAE 8-BOLT OPENING				
								PTO DRIVE GEAR DATA:				
								49T 6.48P 17.5° PA Spur	PLMF: .667			
								LOCATION: Front	RPM: 612			
								PLV: 1308 FPM				
6-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE%			ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO	
				HI	LO	REV					TORQUE	HP
SINGLE GEAR												
SINGLE SPEED MULTI GEAR	TG8S-M6504-C3BX	4	Opp	42				23M80062	Included	Cable	285	54
	TG8S-M6505-C3BX	4	Opp	54				23M80062	Included	Cable	270	51
	TG8S-M6506-C3BX	4	Opp	70				23M80062	Included	Cable	245	47
	TG8S-M6507-C3BX	4	Opp	83				23M80062	Included	Cable	230	44
	TG8S-M6508-C3BX	4	Opp	102				23M80062	Included	Cable	230	44
	TG8S-M6509-C3BX	4	Opp	106				23M80062	Included	Cable	205	39
	TG8S-M6512-C3BH	4	Opp	130				23M80062	Included	Cable	210	40
	TG8S-M6513-C3BH	4	Opp	148				23M80062	Included	Cable	210	40
	TG8S-M6515-C3BH	4	Opp	167				23M80062	Included	Cable	195	37
	TG8S-M6518-C3BH	4	Opp	198				23M80062	Included	Cable	175	33
SH SERIES	SH8S-M6505-E3BX		Opp	54				23M80062	Included	Elec/Air	400	76
	SH8S-M6507-E3BX		Opp	81				23M80062	Included	Elec/Air	400	76
	SH8S-M6509-E3BX		Opp	100				23M80062	Included	Elec/Air	375	71
	SH8S-M6512-E3BX		Opp	133				23M80062	Included	Elec/Air	325	62
CLUTCH SHIFT	CS8S-M6504-E3BX		Opp	51				23M80062	Included	Power	300	57
	CS8S-M6505-E3BX		Opp	54				23M80062	Included	Power	300	57
	CS8S-M6507-E3BX		Opp	81				23M80062	Included	Power	300	57
	CS8S-M6509-E3BX		Opp	100				23M80062	Included	Power	275	52
	CS8S-M6512-E3BX		Opp	133				23M80062	Included	Power	275	52
1 FWD. 1 REV.	RL8S-M6503-L3BX	6, 7	Opp	30		30		23M80062	Included	Lever	200	38
	RL8S-M6505-L3BX	7	Opp	62		62		23M80062	Included	Lever	200	38
ADAPTER TO CHANGE ROTATION			No Adapter Available					REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

8-BOLT TYPE	PTO MODEL NUMBER	FOOT NOTES	SHAFT ROTATION	ENGINE%			ADAPTER	SPACER	STUD KIT	SHIFT TYPE	INTERMITTENT RATING @ 1,000 RPM OF PTO	
				HI	LO	REV					TORQUE	HP
SINGLE SPEED MULTI GEAR	828S-M6508-L3CX		Opp	72				23M80062	Included	Lever	450	85
	828S-M6510-L3CX		Opp	95				23M80062	Included	Lever	410	78
	828S-M6513-L3CX		Opp	127				23M80062	Included	Lever	375	71
	828S-M6519-L3CX		Opp	168				23M80248	20MK8814	Lever	300	57
1 FWD. 1 REV.												



**IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION**

**FOOTNOTES:**

- T310M – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .22, 1st - .34, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.38. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.
- T310MLR – Speed shown is with transmission in 4th gear. To calculate engine % with selector in other gears, multiply speed shown by the following: for Lo gear - .14, 1st - .28, 2nd - .52, 3rd - .72, 4th - 1.00, 5th - 1.40. Rotation of PTO output is reversed when transmission selector is in reverse. Multiply speeds by .88.
- The neutral select is a covered switch located on the dash, and is needed for stationary operation. This is an “upgraded option for PTO use. Use Main Box for PTO if option not included.
- TG Series Input Gear: #03T34597 – Refer to kit program on pages 10 & 11.
- RL Series with combined reduction gear box.
- Mack supplied transmission oil pump should not be installed on this opening. Forward opening should be used for oil pump.
- Do not use for continuous duty applications.