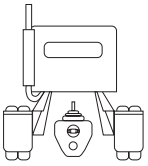

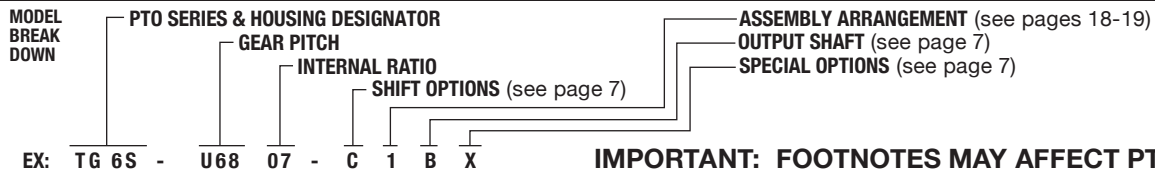


FORD TRANSMISSION						RIGHT SIDE ONLY (LEFT SIDE TURN PAGE)				
		TORQSHIFT (6R140 6-SPEED) 2011–2016 (Diesel Only) Super Duty F-250 – F-550 4x2 OR 4x4 AUTOMATIC				PTO DRIVE GEAR DATA: LOCATION: PLMF: PLV: RPM:				
6-BOLT TYPE										
SINGLE GEAR										
SINGLE SPEED MULTI GEAR	NO PTO OPENING - SEE OTHER SIDE									
SH SERIES										
CLUTCH SHIFT										
1 FWD. 1 REV.										
ADAPTER TO CHANGE ROTATION		No Adapter Available				REFER TO ADAPTER GEAR ASSEMBLIES IN INDEX				

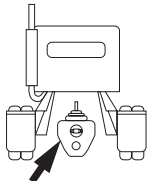

8-BOLT TYPE										
SINGLE SPEED MULTI GEAR										
1 FWD. 1 REV.										



IMPORTANT: FOOTNOTES MAY AFFECT PTO SELECTION

FOOTNOTES:

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

FORD TRANSMISSION							LEFT SIDE ONLY (RIGHT SIDE TURN PAGE)						
	SUPER DUTY CHASSIS F-250—F-550 TORQSHIFT (6R140 6-SPEED) <i>2011 -2016 (Diesel Only)</i> 4x2 OR 4x4 AUTOMATIC Footnotes (1, 2, 5, 6, 7, 8)					FORD 6-BOLT OPENING							
						PTO DRIVE GEAR DATA: 52T 12.09P 20° PA Spur LOCATION: Front PLMF: 3.439 PLV: 1,126 FPM RPM: 1,000							
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 SPEED MULTI GEAR	FR6Q-F1209-D3BX FR6Q-F1209-D3NX	2, 3 2, 4	Opp Opp	127 127						Included Included	Power Power	200 (2) 200 (2)	38 38

FOOTNOTES:

- 1 Engine driven direct drive PTO gear.
- 2 Rating shown is for stationary applications only. For Mobile applications the PTO torque rating is 120 lb.ft. for continuous or intermittent duty. For switchable stationary to mobile, order with feature option "B".
- 3 Remote mount 1¼" Rd keyed output Shaft. Remote shaft is only usable on 4x2 chassis.
- 4 Direct Mount Pump Output - see charts below for hydraulic pump applications. Max pump RPM shown at 0 in.Hg.
- 5 PTO output torque rating is based on the maximum available torque from the transmission.
- 6 Optional overspeed protection, order SPD-1001, sold separately.
- 7 The use of the Muncie Power FR6Q and PF Series PTO/Pump combination with Ford "Live Drive" can be used successfully on mobile applications including snow & ice control central hydraulic systems. Please request and review Muncie Power document IN10-12 for important information.
- 8 Available with Muncie Start®; Special Feature Code "6" for stationary applications, "7" for switchable stationary to mobile.

Pump Selection Example:

- a. First you need to know the flow and pressure requirement of your application.
- b. Next find the closest pump output flow from the chart that is based on the most appropriate engine speed for your application. Follow the grid up to the top to read the basic pump series and size. This is the pump that will give you the flow you desire.
- c. If your system required 8 GPM to operate. Then you would look for 8 GPM in the columns. Finding the first one under the pump PF4-502 would give you a pump which will deliver the 8 GPM you require at an engine speed of 1,300 RPM. You would also get 8 GPM if you select the PF4-368 pump, but you would need to operate the engine at 1,800 RPM.
- d. After you have selected the Pump Series and size the complete pump model number can be ordered.

The PF Series would follow the form of: **PF4-***-16QSRL**.

NOTE: PF Series pump shown because chassis envelope limitations prevent the use of larger pump frame sizes on 4x4 chassis.

APPROXIMATE PUMP OUTPUT FLOW* AND MAXIMUM PRESSURE

ENGINE SPEED	PF4-870 2.01 cu.in./Rev		PF4-818 1.83 cu.in./Rev		PF4-714 1.71 cu.in./Re		PF4-606 1.4 cu.in./Rev		PF4-502 1.16 cu.in./Rev		PF4-424 0.98 cu. n./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	9.9	2,320	9.0	2,900	8.4	2,900	6.9	3,625	5.7	3,625	4.8	3,625
1,000	11.1	2,320	10.0	2,900	9.4	2,900	7.7	3,625	6.4	3,625	5.4	3,625
1,100	12.2	2,320	11.0	2,900	10.3	2,900	8.5	3,625	7.0	3,625	5.9	3,625
1,200	13.3	2,320	12.0	2,900	11.2	2,900	9.2	3,625	7.7	3,625	6.5	3,625
1,300	14.4	2,320	13.0	2,900	12.2	2,900	10.0	3,625	8.3	3,625	7.0	3,625
1,500	16.6	2,320	15.0	2,900	14.1	2,900	11.5	3,625	9.6	3,625	8.1	3,625
1,700	18.8	2,320	17.1	2,900	15.9	2,900	13.1	3,625	10.8	3,625	9.2	3,625
1,900	21.0	2,320	19.1	2,900	17.8	2,900	14.6	3,625	12.1	3,625	10.2	3,625
2,100									13.4	3,625	11.3	3,625
2,300									14.7	3,625	12.4	3,625
2,500												

EXCEEDS
MAX RPM

ENGINE SPEED	PF4-368 0.85 cu.in./Rev		PF4-290 0.73 cu.in./Rev		PF4-264 0.61 cu.in./Rev		PF4-212 0.49 cu.in./Rev		PF4-160 0.37cu.in./Rev	
	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI	GPM	MAX. PSI
900	4.2	3,625	3.6	3,625	3.0	3,625	2.4	3,625	1.8	3,625
1,000	4.7	3,625	4.0	3,625	3.4	3,625	2.7	3,625	2.0	3,625
1,100	5.1	3,625	4.4	3,625	3.7	3,625	3.0	3,625	2.2	3,625
1,200	5.6	3,625	4.8	3,625	4.0	3,625	3.2	3,625	2.4	3,625
1,300	6.1	3,625	5.2	3,625	4.4	3,625	3.5	3,625	2.6	3,625
1,500	7.0	3,625	6.0	3,625	5.0	3,625	4.0	3,625	3.1	3,625
1,700	7.9	3,625	6.8	3,625	5.7	3,625	4.6	3,625	3.5	3,625
1,900	8.9	3,625	7.6	3,625	6.4	3,625	5.1	3,625	3.9	3,625
2,100	9.8	3,625	8.4	3,625	7.0	3,625	5.7	3,625	4.3	3,625
2,300	10.7	3,625	9.2	3,625	7.7	3,625	6.2	3,625	4.7	3,625

PLEASE NOTE:

If you are accustomed to ordering a hydraulic pump based on the pump model number, you may be ordering a pump larger than you require when you apply that pump to this application.

To calculate the PTO output speed:

Engine speed × 127% = PTO output speed. Example: Engine speed of 1,400 RPM would yield the following:

1,400 × 1.27 = 1,778 RPM PTO

A 6 GPM pump (like the PF4-606) would deliver a theoretical output flow of: Disp × RPM/231

1.4 × 1,778/231 = 10.7 GPM

* Theoretical Flow Shown.

Speed shown for pump at 0 in.Hg. vacuum.