



MODEL NO. CONSTRUCTION CHART

TG 6S - U68 07 - C 1 B X

PTO TYPE

Single Speed, Double Gear	HC, PZ, SH, TG
Single Speed, Double Gear, Constant Drive	CD
Clutch Shift	CS/HS
1 & 1 Reversible, Low Speed	RL
SAE 8-Bolt Double Gear, Single Speed	82
Ford Automatic	FA, FR
Rear Countershaft	RS

MOUNTING

ISO 4-Bolt Standard	4S
SAE 6-Bolt Standard Mount	6S
SAE 6-Bolt Deep Mount	6D
SAE 6-Bolt Non-Standard	6N
SAE 6-Bolt w/29TK3863 (for N56)	6A
SAE 6-Bolt Standard, Metric Stud Kit	6B
SAE 6-Bolt Deep Mount, Metric Stud Kit	6C
SAE 6-Bolt Standard, Less Drag Brake (CS6 only)	6G
SAE/ISO 6-Bolt Standard, w/Dowel Holes	6F
SAE 8-Bolt Standard, Less Drag Brake (CS8 only)	8G
SAE 8-Bolt Standard Mount	8S
SAE 8-Bolt Deep Mount	8D
SAE 8-Bolt Standard, Metric Stud Kit	8B
SAE 8-Bolt Deep Mount, Metric Stud Kit	8C
SAE 8-Bolt Extra Deep Mount	8M
Allison 10-Bolt, Heavy Duty	10 or 11
Allison 10-Bolt	24 or 25
Ford 4x2	62
Ford 4x4	64 or 67
Ford (6-Speed)	6Q

TRANSMISSION GEAR

Aisin	8.46P 20° PA Spur	I84
Allison	10.16P LH	A10
Allison	6.86P 20° PA Spur	A67/A69
Clark	5.7P 25° PA 37.7° RH	C57
Clark	6.10P 25° PA 18.68 LH	C60
Clark	6.10P 25° PA 32.28 RH	C61
Clark	7P 25° PA 30.78 RH	C70
Clark	7.61P 18.49° PA, 23.22 RH	C76
Eaton	8.048P 20° PA 28.9 LH	E80
Ford	14.2P 15.9° PA 18° RH	F14
Ford	14.2P 17.9° PA SPUR	F15
Ford	12.09P 20° PA SPUR	F12
Fuller	10.1P 20° PA Spur	F10
Fuller	10.1P 21.5° PA Spur	F11
Fuller	6.1P 20.5° PA 29° RH	F61
Fuller	6.27P 22.5° PA Spur	F62
Fuller	6.35P 20° PA 22° RH	F63
Fuller	6.5P 20° PA 23° RH	F65
Fuller	6.65P 20° PA 21.5° RH	F66
Fuller	6.0P 20° PA Spur	F68
Fuller	7.0P 23° PA 26° RH	F70
Fuller	7.5P 22° PA 15° RH	F75
Fuller	8.38P 18° PA 33.1° RH	F84
Fuller	8.5P 21° PA Spur	F85
G.M.C.	7P 20° PA 30° RH	G70*
G.M.C.	7.34P 20° PA 24° RH	G73
Getrag	8.46P 17.5° PA RH	G85
I.H.C.	6.54P 18.47° PA 23.45 RH	H65
Isuzu	8P 20° PA 15° RH	I80
Isuzu	8.46P 20° PA Spur	I85
Mack	6.48P 17.65° PA Spur	M65
Mercedes	8.04P 17.5° PA 26.97° RH	M80
Mercedes	8.38P 17.5° PA 24.97° RH	M83
Mercedes	9.41P 18° PA 26.47° RH	D94
Mitsubishi	7.58P 20° PA 28.17° RH	M76
Mitsubishi	7.58P 20° PA 30° RH	M78
Mitsubishi	8.67P 22.5° PA 11.65° LH	M89
New Process	6P 20° PA 17.68 RH	N60
New Process	7P 20° PA 30.49 LH	N70
New Process	8.11P 20° PA 33.5 RH	N81
New Venture	10.40P 20° PA 34.5° RH	N10
New Venture	7.94P 22.5° PA 30° LH	N78
New Venture	7.94P 22.5° PA 30° RH	N79
New Venture	7.99P 22.19° PA 29° RH	N80
Nissan	5.64P 20° PA Spur	N56
Nissan	9.27P 20° PA 25° LH	N92
Renault	6.77P 22.5° PA 23.87° RH	R68
Spicer	6P 17.5° PA 26.17 RH	S60
Spicer	6P 17.5° PA 22.25° RH	S61
Spicer	6.2P 20° PA 23.15° RH	S63
Spicer	6P or 6/8P 20° PA Spur Deep Reach	S68
Spicer	7P 17.5° PA 28.07 RH	S70
Spicer	7P 17.5° PA 18° RH	S71
Spicer	7P 20° PA 20° LH	S72*
Spicer	7P 22.5° PA 19° RH	S73
Spicer	8.10P 20° PA Spur	S80
Spicer	8.99P 20° PA Spur	S89
Tremec	6.1P 25° PA 30.4° RH	T61
Tremec	8.1P 20° PA 29.47° LH	T81
Tremec	8.19P 20° PA 29.9° RH	T82
Universal	5 or 5/7P 20° Spur	U57
Universal	6P 20° Spur, Full Addendum	U60
Universal	6P 25° PA Spur	U62
Universal	6P 17.50° PA Spur	U67
Universal	6P or 6/8P 20° Spur	U68

SPECIAL FEATURES

A	Reversed Shift Cover (TG)
B	Special Lube Kit (CD10)
C	Pressure Lube, Pulse Generator, SPD-1001
D	Pulse Generator with SPD 1001
E	U60 Input Gear w/Standard Mounting Gasket Pack
F	Special Idler Plate (TG)
G	Special Lube Shaft (TG, CD10)
H	High Torque (TG)
I	Dual Terminal Indicator Switch (TG)
J	High Torque & Pressure Lube (TG)
M	Special Idler Plate (TG)
P	Pressure Lubrication (TG, CS 6/8, SH 6/8, 82)
Q	Special Idler Plate & High Torque (TG)
R	PTO Pulse Generator (CS, SH), No Pressure Lube
S	PTO Pulse Generator (CS, SH), Pressure Lube
T	High Torque with PTO Pulse Generator (TG)
U	Standard with PTO Pulse Generator (TG)
V	U60 w/Standard Gasket & Special Idler Plate (TG)
X	None
3	Special Lube Kit (CS, CD)

OUTPUT SHAFT

A	SAE "D" 1 1/4" 14 Spline (82)
B	1 1/2" Round, 3/16" Key (TG, CS, SH, CD, FA, FR, RL)
C	1410 Comp Flg. (CD, CS, SH, 82, 83)
D	SAE "B" Hydraulic Pump Flange (CD, CS10, 82)
E	SAE "C" Hydraulic Pump Flange (CS, SH, 82)
F	SAE "A" Hydraulic Pump Flange (TG)
G	Special Dana Mount (CS, SH, TG)
I	1" Round (GB10)
I	DIN 5462 (CS, SH, CD, TG, 82)
K	SAE "B" Hydraulic Pump Flange (CS, SH, TG)
L	SAE "B" with Round Shaft (TG)
L	Lowbox mounts (CS)
M	SAE "A" (TG)
N	6 Bolt Round (TG), Special (FR64)
P	SAE "B-B" 1" 15 Spline (CS, SH, TG, 82)
Q	SAE "A" Hydraulic Pump Flange (CS, SH, TG, FR)
R	SAE "A" Hydraulic Pump Flange (CD, TG)
S	SAE "B" Hydraulic Pump Flange (CS, SH, TG)
T	SAE "A" 3/4" 11 Spline (TG, FA, FR)
T	SAE "B" Hydraulic Pump Flange (one end) (82)
	SAE "C" Hydraulic Pump Flange (opp. end) (82)
U	SAE "C" Hydraulic Pump Flange (dual output) (82)
W	SAE "A" 3/4" 11 Spline (FA, FR)
X	1-1/2" 10 Spline (CD, CS10, 82, 83)
X	1.3 - 20T Spline (TG, CS20, CS6/8, SH)
Y	SAE "C" Hydraulic Pump Flange (CD)
Z	SAE "B" Hydraulic Pump Flange 1 1/4" 14 Spline (82, CD)
2	DIN 100 Companion Flange (TG, CS, SH, CD, 82)
6	SAE "B" 2-Bolt Special (CS, TG)
7	SAE "BB" 2-Bolt Special (CS, TG)

ASSEMBLY ARRANGEMENTS

1, 2, 3, 4 (See pages 16-17)

SHIFTER TYPES

A	Manual Air (12 Volt Light)	P	Air Shift, Less Activation Kit
B	Special (CS6B-I84, FA6B)	R	24V Hyd. Built-in Solenoid (CS6)
C	Cable	R	Double Acting Air - 82 Series
D	12V Hyd. Diesel (FR)	S	12V Hyd. Built-in Solenoid (CS6)
E	12V Elec/Air - All TG	S	12V Elec/Air (82)
F	24V Elec/Air - All TG	T	Air Shift Less Activation Kit (82)
F	12V Hyd. Gas (FR - 2011)	T	E-Hydra Shift (TG)
G	Spcl Elec/Air (TG-N56) (1995-98)	U	CS6 "S" Shift, Less Activation Kit
G	12V Hyd. Gas (FR)	V	Double Acting Elec/Air
H	12V Elec/Hyd - All CS-U60	X	None
J	24V Elec/Hyd - All CS-U60	Z	Special Rocker Switch (FA)
K	Manual Air (24 Volt Light)	Z	Special Cable Shift (TG)
L	Lever	4	Special Air Shift (TG)
M	Constant Mesh - Non-Shifttable	5	Special Elec/Air Shift (TG)
N	Spcl Elec/Air (TG-N56) (1999-01)	6	Special Lectra Shift (TG)

SPEED RATIO (RANGE)

03	0.25-0.34:1	09	0.85-0.94:1	15	1.45-1.54:1
04	0.35-0.44:1	10	0.95-1.04:1	16	1.55-1.64:1
05	0.45-0.54:1	11	1.05-1.14:1	17	1.65-1.74:1
06	0.55-0.64:1	12	1.15-1.24:1	18	1.75-1.84:1
07	0.65-0.74:1	13	1.25-1.34:1	19	1.85-1.94:1
08	0.75-0.84:1	14	1.35-1.44:1		

TRANSMISSION GEAR (cont.)

Universal	6P or 6/8P 20° Spur, Full Dedendum	X68
Universal	8P 20° PA Spur	U80
Warner	8.08P 20° PA 30° RH	W80
Warner	9.60P 20° PA 21.6° LH	W96
Warner	9.60P 20° PA 21.6° RH	W97
Zed F	10.36P 20° PA 28° RH	Z10
Zed F	9.24P 23° PA 36.05° LH	Z90
Zed F	9.24P 23° PA 36.05° RH	Z91
Zed F	9.23P 20° PA 36° RH	Z92
Zed F	9.23P 20° PA 36° LH	Z93
Zed F	9.96P 20° PA 28.5° RH	Z98
Zed F	9.96P 20° PA 28.5° LH	Z99
None	Less Input Gear	Kit

* Transmissions to which these gear pitches apply are obsolete. Contact Muncie for application information.