

TORQUE VALUES (FOR XPAG/XPEG ENGINES)

<u>ENGINE</u>	<u>LBFT</u>
GUDGEON PIN CLAMP BOLT	25 LBFT
ROD BIG END BOLTS	25 LBFT
MAIN BEARING CAP NUTS	63 LBFT
FLYWHEEL TO CRANKSHAFT BOLTS	50 LBFT
CLUTCH PRESSURE PLATE BOLTS	19 LBFT
OIL PICKUP PIPE TO SUMP BOLTS	6 LBFT
CAMSHAFT LOCATING PLATE BOLTS	6 LBFT
CAMSHAFT SPROCKET BOLT	50 LBFT
TIMING CHAIN TENSIONER BOLTS	6 LBFT
SUMP TO BLOCK BOLTS	19 LBFT
TIMING CHAIN COVER BOLTS	19 LBFT
CRANKSHAFT PULLEY BOLT	50 LBFT
CYLINDER HEAD NUTS	50 LBFT
ROCKER TOWER BOLTS (8 MM)	16 LBFT
ROCKER TOWER BOLTS (10 MM)	43 LBFT
OIL PUMP TO BLOCK BOLTS	6 LBFT
<u>OTHER</u>	
WATER PUMP PULLEY NUT	10 LBFT
GENERATOR PULLEY NUT	35 LBFT
TRANSMISSION OUTPUT FLANGE NUT	65 LBFT
REAR AXEL HUB NUT	85 LBFT*
FRONT AXEL HUB NUT	40 - 70 LBFT
WHEEL LUG NUTS	50 LBFT

*Then to next closest cotter pin slot in nut

GENERIC TORQUE SETTINGS - "a Y Guide"

Size	tpi	thread	Grade 5 plain		Grade 8 Hi-Tensile	
			ft-lbs		ft-lbs	
			dry	lube	dry	lube
1/4	20	BSW	8	6	12	9
1/4	26	BSF	9	7	13	9.5
1/4	28	UNF	10	7.5	14	10
5/16	18	BSW	17	13	25	18
5/16	22	BSF	18.5	13.5	25	19.5
5/16	24	UNF	19	14	25	20
3/8	16	BSW	30	23	45	35
3/8	20	BSF	32.5	24	47.5	35
3/8	24	UNF	35	25	50	35
7/16	14	BSW	50	35	70	55
7/16	18	BSF	53.5	38.5	78	58
7/16	20	UNF	55	40	80	60
1/2	13	BSW	75	55	110	80
1/2	16	BSF	83	60	115	85
1/2	20	UNF	90	65	120	90
9/16	12	BSW	110	80	150	110
9/16	18	UNF	120	90	170	130
5/8	11	BSW	150	110	220	170
5/8	18	UNF	180	130	240	180
3/4	10	BSW	260	200	380	280
3/4	16	UNF	300	220	420	320

Y-TYPE SPECIFIC TORQUE SETTINGS

Wheel Nuts 50ft-lbs