



Bolt Torque Spec Chart for Chevy

Small Block Chevy

Fastener Type	Torque Spec
7/16 in. outer main cap bolt	65 ft.-lbs.
7/16 in. inner main cap bolt	70 ft.-lbs.
3/8 in. outer main cap bolt	40 ft.-lbs.
11/32 in. connecting rod bolt	38-44 ft.-lbs.
3/8 in. connecting rod bolt	40-45 ft.-lbs.
Cylinder head bolts	65 ft.-lbs.
Screw-in rocker arm studs	50 ft.-lbs.
Intake manifold bolts (cast iron heads)	30 ft.-lbs.
Oil pump bolt	60-70 ft.-lbs.
Cam sprocket bolts	18-20 ft.-lbs.
Harmonic damper bolt	60 ft.-lbs.
Flywheel/flexplate bolts	65 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Bell housing bolts	25 ft.-lbs.
Exhaust manifold bolts	25 ft.-lbs.

Xcessive Engines

4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Chevy

Big Block Chevy

Fastener Type	Torque Specs
Main cap bolt, 396-427 2-bolt	95 ft.-lbs.
Main cap bolt, 396-454 4-bolt (inner/outer)	110 ft.-lbs.
3/8 in. connecting rod bolt	50 ft.-lbs.
7/16 in. connecting rod bolt	67-73 ft.-lbs.
Cylinder head bolts, long	75 ft.-lbs.
Cylinder head bolts, short	65-68 ft.-lbs.
Screw-in rocker arm studs	50 ft.-lbs.
Intake manifold bolts (cast iron head)	25 ft.-lbs.
Oil pump bolt	65 ft.-lbs.
Cam sprocket bolts	20 ft.-lbs.
Harmonic damper bolt	85 ft.-lbs.
Flywheel/flexplate bolts	60 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Bell housing bolts	25 ft.-lbs.
Exhaust manifold bolts	20 ft.-lbs.

Xcessive Engines

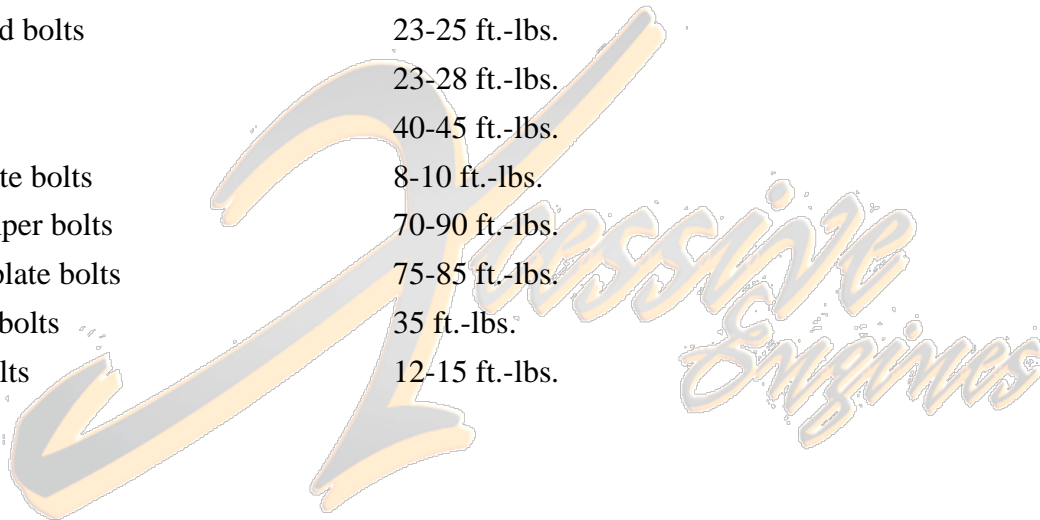
4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Ford

260, 289, 302

Fastener Type	Torque Spec
Main cap bolts	60-70 ft.-lbs.
Outer main cap bolts	35-40 ft.-lbs.
Connecting rod bolts	19-24 ft.-lbs. (40-45 ft.-lbs. for 289 HP Boss 302)
Cylinder head bolts	65-72 ft.-lbs.
Rocker arms	17-23 ft.-lbs.
Intake manifold bolts	23-25 ft.-lbs.
Oil pump bolt	23-28 ft.-lbs.
Cam bolts	40-45 ft.-lbs.
Cam thrust plate bolts	8-10 ft.-lbs.
Harmonic damper bolts	70-90 ft.-lbs.
Flywheel/flexplate bolts	75-85 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Front cover bolts	12-15 ft.-lbs.



Xcessive Engines

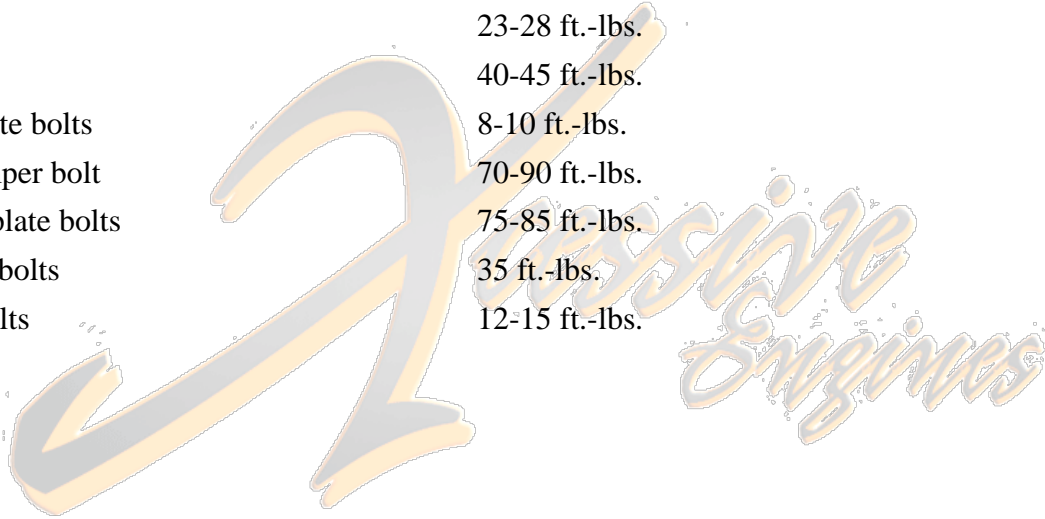
4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Ford

351W

Fastener Type	Torque Specs
Main cap bolts	95-105 ft.-lbs.
Connecting rod bolts	40-45 ft.-lbs.
Cylinder head bolts	90-100 ft.-lbs.
Rocker arms	17-23 ft.-lbs.
Intake manifold bolts	23-25 ft.-lbs.
Oil pump bolt	23-28 ft.-lbs.
Cam bolts	40-45 ft.-lbs.
Cam thrust plate bolts	8-10 ft.-lbs.
Harmonic damper bolt	70-90 ft.-lbs.
Flywheel/flexplate bolts	75-85 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Front cover bolts	12-15 ft.-lbs.



Xcessive Engines

4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Ford

351C, 351M

Fastener Type	Torque Spec
Main cap bolts	95-105 ft.-lbs.
Connecting rod bolts	40-45 ft.-lbs. (45-50 ft.-lbs. for Boss 351C)
Cylinder head bolts (follow factory torque sequence)	105 ft.-lbs. (125 ft.-lbs. for Boss 351C)
Rocker arms (non-adjustable)	18-22 ft.-lbs.
5/16 in. intake manifold bolts	21-25 ft.-lbs.
3/8 in. intake manifold bolts	28-33 ft.-lbs.
Oil pump bolt	25 ft.-lbs.
Cam bolts	40-45 ft.-lbs.
Cam thrust plate bolts	9-12 ft.-lbs.
Harmonic damper bolt	70-90 ft.-lbs.
Flywheel/Flexplate bolts	75-85 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Front cover bolts	12-18 ft.-lbs.

Xcessive Engines

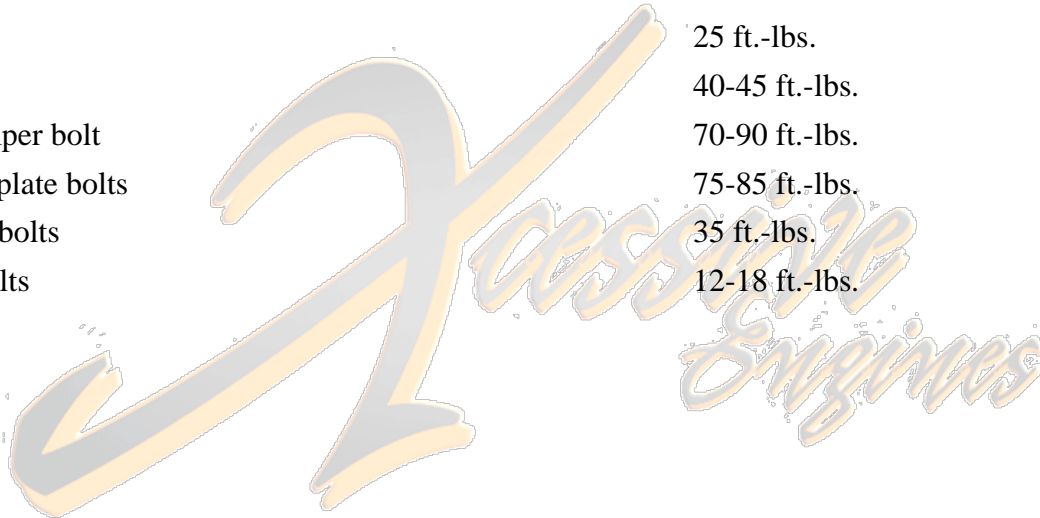
4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Ford

429-460

Fastener Type	Torque Spec
Main cap bolts	95-105 ft.-lbs.
Connecting rod bolts	40-45 ft.-lbs.
Cylinder head bolts	140 ft.-lbs.
Rocker arms (non-adjustable)	18-22 ft.-lbs.
Intake manifold bolts	25-30 ft.-lbs.
Oil pump bolt	25 ft.-lbs.
Cam bolts	40-45 ft.-lbs.
Harmonic damper bolt	70-90 ft.-lbs.
Flywheel/Flexplate bolts	75-85 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Front cover bolts	12-18 ft.-lbs.



Xcessive Engines

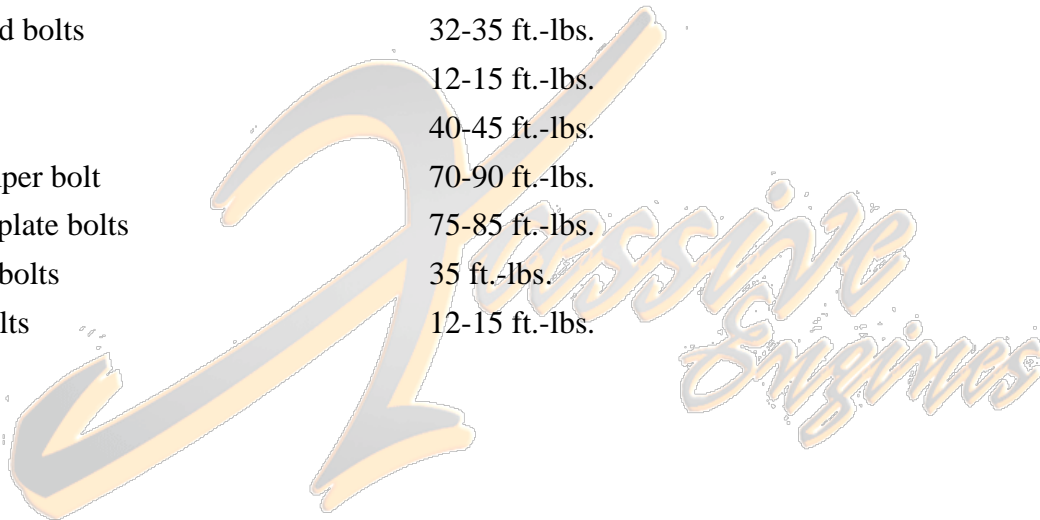
4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com



Bolt Torque Spec Chart for Ford

360, 390, 406, 427, 428 FE

Fastener Type	Torque Spec
Main cap bolts	95-105 ft.-lbs.
Cross bolts for 406 and 427	40 ft.-lbs.
Connecting rod bolts	40-45 ft.-lbs. (53-58 ft.-lbs. for 406 and 427)
Cylinder head bolts	80-90 ft.-lbs. (100-110 ft.-lbs. for 1963-67 427)
Rocker arm shaft bolts	40-45 ft.-lbs.
Intake manifold bolts	32-35 ft.-lbs.
Oil pump bolt	12-15 ft.-lbs.
Cam bolts	40-45 ft.-lbs.
Harmonic damper bolt	70-90 ft.-lbs.
Flywheel/flex plate bolts	75-85 ft.-lbs.
Pressure plate bolts	35 ft.-lbs.
Front cover bolts	12-15 ft.-lbs.



Xcessive Engines

4401 SW 75th Avenue Bay 11 Miami, FL 33155 ** Mail To: 8714 NW 153rd Terrace Miami Lakes, FL 33018
Tel.: (866) 919-9527 ** (305) 206-6102 Fax: (888) 812-4081
www.xcessiveinc.com ** info@xcessiveinc.com