

Torque Specs

For Harley Davidson

Engine	Toque Value
Crank Pin Nut	
Pinion Gear Nut	180-210 Foot Pounds
Oil Pump Cover Bolts	35-45 Foot Pounds
Oil Pump Manifold Screws	90-120 Inch Pounds
Tappet Guide Bolts	70-80 Inch Pounds
Rocker Cover	9-12 Foot Pounds
5/16 Inch Bolts	
1/4 Inch Bolts	15-18 Foot Pounds
Upper Engine Mounting Bracket:	10-13 Foot Pounds
To Cylinder Heads	
To Frame	28-35 Foot Pounds
Gearcase Cover Screws	28-32 Foot Pounds
Cam / Nosecone Cover Screws	90-120 Inch Pounds
Timer Screws (Inner Cover And	90-120 Inch Pounds
Sensor Plate)	15-30 Inch Pounds
Tappet Screen Plug	90-120 Inch Pounds
Spark Plug	18-22 Foot Pounds
Transmission Side Cover Bolts	10-12 Foot Pounds
Crankcase Bolts	Tighten In Star Pattern From Bottom
Step 1	10 Foot Pounds
Step 2	15-17 Foot Pounds
Intake Manifold Flange Capscrew	15-17 Foot Pounds
Primary Cover Screws	9-10 Foot Pound
Compensating Sprocket Nut	150-165 Foot Pounds
Transmission Sprocket Nut	110-120 Foot Pounds
Transmission Sprocket Locking	7-9 Foot Pounds
Screw	70-80 Foot Pounds
Clutch Hub Nut	

Chassis & Suspension	Toque Value
Front Axle Nut	50 Foot Pounds
Rear Axle Nut	60-65 Foot Pounds
Front Brake Disc Screws	16-18 Foot Pounds
Rear Brake Disc Screws	
Allen Screws	23-27 Foot Pounds
T-45 Torx	30-45 Foot Pounds
Rear Wheel Sprocket Bolts	
Laced Wheel	45-55 Foot Pounds
Cast Wheel	55-65 Foot Pounds
Front Brake Caliper Mounting Screws	25-30 Foot Pounds
Rear Brake Caliper Mounting Screws	15-20 Foot Pounds
Blake Bleeder Nipples	32-40 Inch Pounds
Brake Line Banjo Fittings	17-22 Foot Pounds
Front Fender Mounting Bracket Bolts	12-18 Foot Pounds
Pivot Shaft	70 Foot Pounds
Rear Master Cylinder Mounting Nut	30-40 Foot Pounds
Triple Tree Pinch Bolts	27-32 Foot Pounds
Fork Stem Nut	35-40 Foot Pounds
Rear Shock Absorber	
Upper Stud Acorn Nut	25-40 foot pounds
Bottom Bolt	25-40 foot pounds

Fastener Size - Torque Ft. Lbs.
#8 - 14 in. lbs.
#10 - 22 in. lbs.
1/4 " - 10 ft. lbs.
5/16" - 19 ft. lbs.
3/8" - 33 ft. lbs.
7/16" - 54 ft. lbs.
1/2" - 58 ft. lbs.
9/16" - 114
5/8" - 154

* This table is based upon Grade 5 fasteners, generally used Harley-Davidson motorcycles.