

<b>2001-2010 Duramax Torque Specifications</b>		
<b>Part</b>	<b>Standard</b>	<b>Metric</b>
A/C Compressor Bolt	37 lb ft	50 N•m
Air Cleaner Outlet Duct Clamp	71 lb in	8 N•m
Air Conditioning Compressor/Power Steering Pump Bracket Bolt	34 lb ft	46 N•m
Air Inlet Tube Nut	18 lb ft	25 N•m
Battery Cable Bracket Bolt	106 lb in	12 N•m
Battery Cable Bracket Nut	71 lb in	8 N•m
Bypass Pipe Bolt	18 lb ft	25 N•m
Camshaft Gear Bolt	173 lb ft	234 N•m
Camshaft Position Sensor Bolt	89 lb in	10 N•m
Camshaft Position Sensor Exciter Ring Bolt	80 lb in	9 N•m
Camshaft Thrust Plate Bolt	16 lb ft	22 N•m
Charged Air Cooler Bolt	15 lb ft	21 N•m
Charged Air Cooler Clamp	71 lb in	8 N•m
Connecting Rod Cap Bolt - Angular Tightening Method		
1st Step	47 lb ft	64 N•m
2nd Step	30 deg	30 deg
3rd Step	30 deg	30 deg
Coolant Pipe Bolt and Nut	18 lb ft	25 N•m
Coolant Tube to Water Pump Nut	18 lb ft	25 N•m
Cooling Fan Pulley	30 lb ft	41 N•m
Crankshaft Balancer Bolt		
1st Step	74 lb ft	100 N•m
2nd Step	105 deg	105 deg
Crankshaft Bearing Cap Bolt		
1st Step	72 lb ft	98 N•m
2nd Step	97 lb ft	132 N•m
3rd Step	30 deg	30 deg
Crankshaft Bearing Cap Bolt - Angular Tightening Method		
1st Step	74 lb ft	100 N•m
2nd Step	90 deg	90 deg
Crankshaft Bearing Cap Side Bolt	52 lb ft	70 N•m
Crankshaft Position Sensor Bolt	89 lb in	10 N•m
Crankshaft Position Sensor Spacer Bolt	89 lb in	10 N•m
Crossmember Bolt	74 lb ft	100 N•m
Cylinder Head M12 Bolt - Angular Tightening Method		
1st Step	37 lb ft	50 N•m
2nd Step	59 lb ft	80 N•m
3rd Step	60 deg	60 deg
4th Step	60 deg	60 deg
Cylinder Head M8 Bolt	18 lb ft	25 N•m
Drive Belt Tensioner Pulley Bolt	37 lb ft	50 N•m
EGR Bracket	18 lb ft	25 N•m
EGR Bracket Bolt	18 lb ft	25 N•m



EGR Bracket to Cooler Bolt	18 lb ft	25 N•m
Electrical Harness Bracket Bolt	89 lb in	10 N•m
Engine Block Coolant Plug	13 lb ft	18 N•m
Engine Block Ground Bolt	25 lb ft	34 N•m
Engine Mount Through Bolt to Frame	55 lb ft	75 N•m
Engine Mount to Block Bolts	43 lb ft	58 N•m
Engine Mount to Frame Bolt	48 lb ft	65 N•m
Engine Shield Bolt	15 lb ft	20 N•m
Exhaust Heat Shield Nut	89 lb in	10 N•m
Exhaust Manifold Bolt/Nut	28 lb ft	38 N•m
Exhaust Manifold Heat Shield Bolts	89 lb in	10 N•m
Exhaust Outlet Clamp	11 lb ft	15 N•m
Exhaust Outlet Heat Shield Bolts	89 lb in	10 N•m
Exhaust Pipe Bracket Nut	39 lb ft	53 N•m
Exhaust Pipe Clamp	39 lb ft	53 N•m
Exhaust Pipe Heat Shield Bolts	89 lb in	10 N•m
Fan Pulley Bracket Bolt	37 lb ft	50 N•m
Flywheel Bolt - Angular Tightening Method		
1st Step	58 lb ft	79 N•m
2nd Step	60 deg	60 deg
3rd Step	60 deg	60 deg
Flywheel Housing Bolt	60 lb ft	80 N•m
Flywheel Housing to Upper Oil Pan Bolt	37 lb ft	50 N•m
Front Engine Cover Bolt	18 lb ft	25 N•m
Fuel Filter Bracket Bolt	22 lb ft	30 N•m
Fuel Injection Control Module Bolt	15 lb ft	20 N•m
Fuel Injection Control Module Bracket Bolt	15 lb ft	21 N•m
Fuel Injection Control Module Connector Bolt	89 lb in	10 N•m
Fuel Injection Control Module Connector Bracket Bolt	15 lb ft	21 N•m
Fuel Injection Control Module Cooler Eye Bolt	20 lb ft	27 N•m
Fuel Injection Pipe Nut	30 lb ft	41 N•m
Fuel Injector Bracket Bolt	22 lb ft	30 N•m
Fuel Inlet Pipe Bracket Bolt	15 lb ft	21 N•m
Fuel Injection Pump Assembly to Cylinder Block Bolt	18 lb ft	25 N•m
Fuel Injection Pump to Bracket Bolt	20 lb ft	28 N•m
Fuel Injection Pump Drive Gear Nut	52 lb ft	70 N•m
Fuel Line Bracket Nut	15 lb ft	21 N•m
Fuel Pressure Relief Valve	74 lb ft	100 N•m
Fuel Temperature Sensor	16 lb ft	22 N•m
Fuel Pipes Bracket Bolt	18 lb ft	25 N•m
Fuel Rail Assembly Bolt	18 lb ft	25 N•m
Fuel Rail Balance Pipe Bolt	15 lb ft	21 N•m
Generator Bracket Bolt and Nut	37 lb ft	50 N•m
Generator Positive Cable Nut	80 lb in	9 N•m
Glow Plug	13 lb ft	18 N•m

Glow Plug Controller Bolt	89 lb in	10 N•m
Glow Plug Harness Bracket Bolt	89 lb in	10 N•m
Glow Plug Nut	18 lb in	2 N•m
Glow Plug Power Feed Nut	11 lb ft	15 N•m
Glow Plug Relay Assembly Bolt	89 lb in	10 N•m
Heater Outlet Pipe Bolt	18 lb ft	25 N•m
Heater Pipe Bolt	18 lb ft	25 N•m
Hood Hinge Bolt	18 lb ft	25 N•m
Idle Pulley Bolt	37 lb ft	50 N•m
Injector Bracket Bolt	16 lb ft	23 N•m
Intake Manifold Bolts/Nuts	18 lb ft	25 N•m
Oil Cooler Adapter Bolts	18 lb ft	25 N•m
Oil Cooler Adapter Nuts	18 lb ft	25 N•m
Oil Cooler Assembly Bolts	18 lb ft	25 N•m
Oil Cooler Adapter Stud	89 lb in	10 N•m
Oil Drain Plug	62 lb ft	84 N•m
Oil Fill Tube Bolt	18 lb ft	25 N•m
Oil Filter	18 lb ft	24 N•m
Oil Gallery Plugs	39 lb ft	53 N•m
Oil Level Indicator Tube Bolt	15 lb ft	21 N•m
Oil Level Sensor Bolt	89 lb in	10 N•m
Oil Level Sensor Harness Bolt	29 lb ft	40 N•m
Oil Pan Bolts/Nuts - Lower	89 lb in	10 N•m
Oil Pan Bolt - Upper	15 lb ft	20 N•m
Oil Pan Skid Plate Bolt	15 lb ft	20 N•m
Oil Pressure Sensor Unit	36 lb ft	49 N•m
Oil Pressure Relief Valve	29 lb ft	39 N•m
Oil Pump Bolt	15 lb ft	21 N•m
Oil Pump Driven Gear Nut	74 lb ft	100 N•m
Oil Pump Gear Cover Bolt	15 lb ft	21 N•m
Oil Pump Pipe and Screen Assembly Bolts and Nuts	18 lb ft	25 N•m
Piston Cooling Nozzle Eye Bolt	15 lb ft	21 N•m
Positive Cable Junction Block Bracket to Power Steering Pump Bolt	80 lb in	9 N•m
Positive Crankcase Ventilation Cover Screws	35 lb in	4 N•m
Positive Crankcase Ventilation Oil Separator Bracket Nut	18 lb ft	25 N•m
Power Steering Pump Bracket Bolt	37 lb ft	50 N•m
Power Steering Pump Bolt	37 lb ft	50 N•m
Rocker Arm Shaft Bracket Bolt	30 lb ft	41 N•m
Starter Motor Bolt	58 lb ft	78 N•m
Transmission Fill Tube Nut	13 lb ft	18 N•m
Thermostat Housing Bolts/Nuts	18 lb ft	25 N•m
Thermostat Cover Bolt	18 lb ft	25 N•m
Torque Converter Bolt	44 lb ft	60 N•m
Transmission Oil Cooler Clip Nut	80 lb in	9 N•m
Turbocharger Bolt	80 lb ft	108 N•m

Turbocharger Boost Sensor Bolt	89 lb in	10 N•m
Turbocharger Coolant Outlet Pipe Bracket Nut	89 lb in	10 N•m
Turbocharger Heat Shield Bolts	89 lb in	10 N•m
Turbocharger Oil Return Pipe Stud	89 lb in	10 N•m
Turbocharger Oil Supply Hose Eye Bolt	19 lb ft	26 N•m
Turbocharger Oil Return Pipe Bolts/Nuts	18 lb ft	25 N•m
Upper Oil Pan to Flywheel Housing Screws	15 lb ft	20 N•m
Valve Adjusting Nut	16 lb ft	22 N•m
Valve Lifter Holdown Bracket Bolt	97 lb in	11 N•m
Valve Rocker Arm Cover Bolt - Lower	89 lb in	10 N•m
Valve Rocker Arm Cover Bolt - Upper (Torque Twice)	71 lb in	8 N•m
Water Outlet Bolts	18 lb ft	25 N•m
Water Pump Bolt	18 lb ft	25 N•m
Water Pump Inlet Pipe Bolts	18 lb ft	25 N•m
<b>Chassis Torque Specs</b>		
Wheel Hub Assembly to Knuckle Bolts	133 lb ft	
Lower Ball Joint Nut	74 lb ft	
Upper Ball Joint Nut	37 lb ft	
Tie Rod End	46 lb ft	
Brake Caliper Bolts	80 lb ft	
Brake Caliper Bracket Bolts (to knuckle)	221 lb ft	
Lug Nuts	140 lb ft	
ABS Sensor Mounting Bolt	13 lb ft	18 N m
Axle Nut	177 lb ft	240 N m
Brake Hose Clip	106 lb in	12 N m