

Notable Fact: The 6.6L Duramax V8 is produced by DMAX, a joint venture between GM and Isuzu in Moraine, Ohio. The Duramax block and heads are poured at the Defiance GM Powertrain foundry in Defiance, Ohio. This engine was initially installed in 2001 model year Chevy and GMC trucks and has been an option since then in pickups, vans and medium-duty trucks.

TECH SPECS

Configuration:	V8
Displacement:	6.6L (402.7 CID, 6599 cc)
Cylinder Bore:	4.06 inch (103 mm)
Piston Stroke:	3.90 inch (99 mm)
Cylinder Block Alloy:	Iron
Cylinder Head Alloy:	Aluminum
Valvetrain:	OHV, 4 valve/cylinder
Horsepower:	250-397
Torque:	460-765
Compression Ratio:	16.8:1 (LBZ, LMM, LML), 17.5:1 (LB7, LLY)
Production Numbers:	2,000,000
Head Fasteners/Cylinder:	6

**Duramax 6.6L
 Turbo Diesel V8 32V**

2001-Present GM Trucks

- Silverado 2500 HD
- Sierra 2500 HD
- Silverado 3500 HD
- Sierra 3500 HD

2006-Present GM Vans

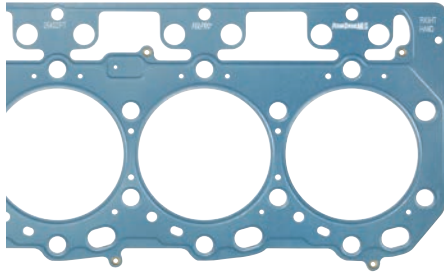
- Express 2500 HD
- Savana 2500 HD
- Express 3500 HD
- Savana 3500 HD



**EXPANDED
 ENGINE AND SEALING
 TECHNOLOGIES
 FOR TOUGH TRUCKS**

GASKET COVERAGE

INNOVATION



Fel-Pro® PermaTorque® MLS head gaskets for the 6.6L Duramax engine simplify the complex system of OE gasket grades by providing 2 thicknesses covering all repair needs. 26401 PT and 26402 PT accommodate all model years and OE grades "A," "B" and "C" overbored blocks, while 26405 PT and 26406 PT are .010" thicker to accommodate blocks that have been bored and decked.

These gaskets feature the patented LaserWeld™ stopper layer that precisely controls the compression of the sealing embossments and minimizes head lift. Their proprietary rubber coating is optimized for high-stress turbo diesel applications and helps seal surface finishes as rough as 60 Ra.

Description	2001-2004	2004-2010	2011+
Head Set	HSU 26269	HSU 26269-1	HSU 26269-3
Conversion Set	CS 26269	CS 26269	CS 26269-2
Head Gasket	26401 PT (Left) 26402 PT (Right) 26405 PT (Left, +.010" Thick) 26406 PT (Right, +.010" Thick)	26401 PT (Left) 26402 PT (Right) 26405 PT (Left, +.010" Thick) 26406 PT (Right, +.010" Thick)	26401 PT (Left) 26402 PT (Right) 26405 PT (Left, +.010" Thick) 26406 PT (Right, +.010" Thick)
Head Bolts	ES 72344	ES 72344	ES 72344
Valve Cover	VS 50622 R (Injector to VC Seals Incl.) VS 50822 R (Complete Set)	VS 50821 R (Complete Set) VS 50681 (Lower) VS 50684 R (Upper)	VS 50681 (2011, Lower) VS 50813 R (2011, Upper)
Intake Manifold	MS 96541 (Lower) 72762 (Plenum)	MS 96541 (2005, Lower) 72946 (Plenum, Upper)	73009 (Plenum)
Exhaust Manifold	MS 96543	MS 96543 (2004, VIN 1) MS 96788	MS 96788 (2011)
Oil Pan	OS 30748 (Lower)	OS 30748 (Lower)	OS 30838 (Lower)
Timing Cover	TCS 45055 (Crankshaft Front Seal Set) TCS 46193 (Crankshaft Front Seal)	TCS 45055 (Crankshaft Front Seal Set) TCS 46193 (Crankshaft Front Seal)	TCS 45055 (2011, Crankshaft Front Seal Set) TCS 46193 (Crankshaft Front Seal)
Valve Stem Seals	SS 72916	SS 72916	SS 72551
Rear Main Seal	BS 40683	BS 40683	BS 40683 (2011)
Water Pump	35756 (Mounting O-ring) 35758 (Pipe to Pump) ES 71347 (Water Pump Installation Set)	35756 (Mounting O-ring) 35758 (Pipe to Pump) ES 71347 (Water Pump Installation Set)	35756 (2011, Mounting O-ring) 35758 (2011, Pipe to Pump) ES 71347 (2011, Water Pump Installation Set)
Thermostat Housing Seal	35757 (Gasket) 35759 (O-ring)	35757 (Gasket) 35759 (O-ring)	35757 (2011, Gasket) 35759 (2011, O-ring)

ENGINE COVERAGE

TECHNOLOGY



Sealed Power® intake valves for the Duramax 6.6L feature material upgrades containing more chrome, silicon and nickel than traditional valves. These heavy duty materials ensure superior durability and resistance to corrosion and high heat.

Description	2001-2004	2004-2010	2011+
Pistons	Q4 2016	Q4 2016	Q4 2016
Rings	E-996K E-996K .50MM E-996K 1.00MM	E-996K E-996K .50MM E-996K 1.00MM	E-996K (2011-2012) E-996K .50MM (2011-2012) E-996K 1.00MM (2011-2012)
Engine Bearings	7429M (Mains) 7429M 10 (Mains, .010" Undersize) 7429M 20 (Mains, .020" Undersize) 4996F (Crankshaft Thrust Washer Set) 8-4995P (Rods) 8-4995P 10 (Rods, .010" Undersize) 8-4995P 20 (Rods, .020" Undersize)	7429M (Mains) 7429M 10 (Mains, .010" Undersize) 7429M 20 (Mains, .020" Undersize) 4996F (Crankshaft Thrust Washer Set) 8-4995P (Rods) 8-4995P 10 (Rods, .010" Undersize) 8-4995P 20 (Rods, .020" Undersize)	7429M (Mains) 7429M 10 (Mains, .010" Undersize) 7429M 20 (Mains, .020" Undersize) 4996F (Crankshaft Thrust Washer Set) 8-4995P (Rods) 8-4995P 10 (Rods, .010" Undersize) 8-4995P 20 (Rods, .020" Undersize)
Valves	V-4692 (Exhaust) V-4691 (Intake)	V-4692 (Exhaust) V-4691 (Intake)	V-4738 (Exhaust) V-4737 (Intake)
Valvetrain	VK-247 (Valve Spring Retainer Keeper)	VK-247 (Valve Spring Retainer Keeper)	VK-247 (Valve Spring Retainer Keeper)
Timing Kit	N/A	N/A	N/A
Oil Pump	N/A	N/A	N/A