

# E46 M3 S54 Engine

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**BMW E46 M3 S54 3.2L Engine Parts & Accessories - ECS Tuning**  
BMW E46 M3 S54 3.2L Dropout Engine Motor Complete Swap 2001-2006. Returns Accepted. Genuine OEM part. From a 2003 BMW M3 with 70000 miles.  
Buy Used BMW S54 Engines Online on UsedBMWEEngines.us  
The BMW M54 is a naturally aspirated straight-6 petrol engine produced from 2000 to 2006. It was released in the E53 X5 and is the replacement for the M52 engine. The S54 is the equivalent high performance engine, used in the E46 M3, the Z3 M Coup é /Roadster and the E85 Z4 M. The BMW M56 SULEV engine (sold in several states of the United States) is based on the M54.  
Everything You Need To Know About The BMW S54 (E46 M3 engine) How to REPLACE ROD BEARINGS on a BMW E46 M3 (S54 Engine) BMW E46 M3 S54B32 Engine Block Assembly Did BMW M3 S54 engine survived? BMW E46 M3 S54 Engine Bay Reassembly Factory BMW Race Engine? s54 Teardown! Installing S54 Engine \u0026 Transmission Into My E46 Sedan! BMW E46 M3 S54 Engine Sound Fully Forged 3.3-litre S54, Widebody BMW E46 M3 Monster! All about the BMW E46 M3 S54 \u0026 What you need to know when buying one BMW M3 S54 Engine Sounds! HOW To Valve adjustment e46 m3 S54 JEZEBEL'S RETURN - S54 BMW M3 REBUILD PART 1 BMW S54 RACE ENGINE BUILD (SABA MOTORSPORT) - PART 1 JEZEBEL'S RETURN - S54 BMW M3 REBUILD PART 2 BMW E30 M3 with fully tuned S54 engine S54 Swapped BMW E30 - It's As Good As You Think Battle of the E46 M3's| Manuel and Diego [4K] How to Delete the Secondary Air Pump on any BMW E46 BMW E46 M3 S54 Valve Shim Replacement Example  
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~~RWHP Daily Driven BMW M3 Race Engines Part One S54 Rod Bearing Wear | Cause, Prevention, Solutions, Costs Fixing E46 M3 S54 Biggest Problem!~~  
~~How To Disassemble a BMW S54 Engine In Two Minutes (E46 M3 engine)~~  
~~New S54 Turbo Engine is running!~~ E46 M3 Compression test \*\* HOW TO GUIDE \*\* S54 engine Z4M BMW E46 M3 S54 Rattle Kit Repair \u0026 Sprocket Bolts DIY (S54 Vanos Rebuild- Part 4) BMW e30 S54 M3 engine swap Burnout Watch This Before Buying a BMW E46 M3  
Well, the subject in today ' s video engine swapped his E30 M3 removing the stock S14 4-cylinder engine with the S54 Straight-6 from the E46 M3. The BMW E30 M3 was a game-changer when it debuted in...  
**S54 3.4L Race Engine Rebuild | CarBahn Autoworks**  
BMW Parts BMW E46 M3 S54 3.2L Engine. On Sale; Free Shipping; Clearance; Trending; New Items; BMW E46 M3 S54 3.2L Engine Parts & Accessories Categories. Braking; Car Care; Climate Control; Drivetrain; **Factory BMW Race Engine? s54 Teardown! - YouTube**  
E46 M3 engine with power of 333 HP produced for North American. Differences between US E46 M3 and Euro version consist in two additional catalytic converters. Because of them S54 lost 10 HP. S54 was a little simplified for BMW Z3M. Its power decreased to 325 HP (Euro version) and to 315 horsepower (US version).  
The 3 Most Common BMW S54 Engine Problems | E46 M3 Problems  
BMW S54 Engine Electric Water Pump Conversion Plate E46 M3. This plate allows you to convert from the stock S54 water pump to an external electric water pump. This plate deletes the thermostat and the water pump and creates a port using an AN-16 O-Ring boss. This means you can use a variety of different...  
**BMW E46 M3 engine | S54 specs, problems, tuning, etc.**

Few enthusiasts will refute the majestic appeal of BMW's E46 M3 S54 powerplant. It featured individual throttle bodies, variable valve timing, 333 horsepower, and an 8,000 rpm redline. But like most race bread engines designed for street use, they had their own problems...especially as the mileage accrued.  
*BMW E46 M3 S54 Project Car | Turner Motorsport*  
The CarBahn Autoworks S54 3.4L race engine rebuild is balanced and blueprinted; it features a 93mm stroker crankshaft, CP centered-pin low-friction forged pistons, Carrillo forged connecting rods, and a racing Multi-Layer Steel (MLS) head gasket. Compression is raised to 12.5:1, and the increase in bore and stroke enlarges displacement to 3393cc.  
**BMW E46 M3 S54 3.2L Engine Support - ECS Tuning**  
The s54b32 is a high revving, high compression, solid lifter I6 straight from the factory. With 343 horsepower and 269lb-ft of torque, it really is no joke.....  
**BMW M54 - Wikipedia**  
(E21) 3-Series 1977-1983 (E30) 3-series 1984-1991 (E30) M3 1988-1991 (E36) 3-series 1992-1999 (E36) M3 1995-1999 (E46) 3-Series 1999-2005 (E46) M3 2001-2006 (E90) 3-Series Sedan 2006-2011 (E90) M3 Sedan 2008-2013 (E91) 3-Series Touring 2006-2013 (E92) 3-Series Coupe 2007-2013 (E92) M3 Coupe 2008-2013 (E93) 3-Series Convertible 2007-2013 (E93) M3 Convertible 2008-2013 (F30) 3-Series Sedan 2012 ...

BMW S54 - Page 1 - Lang Racing Development  
Password. Password must be at least 8 characters. Password must contain a lowercase letter, an uppercase letter, a digit and a special character (! @ # \$ % ^ & \*).

BMW S54 Engine | E46 M3 Engine | Specs, Reliability ...

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Finding a Real Solution to the BMW S54 Rod Bearing Failure ...

The E46 M3, first introduced in October 2000, was available with the 3.2-litre S54 M-tuned engine. It was available in coupé and convertible body styles. The M3's S54 engine has a redline of 8,000 rpm. As with most M engines, the S54 has 6 individual throttle bodies, in this case electronically operated (drive-by-wire throttle).

**BMW E30 M3 With E46 M3 Engine: Blasphemy Or Really Cool?**

This is, of course, is every automotive engineer's goal. The expense of doing this of course can mean that engine reliability can suffer. Every engine will have a weak point at which it will fail first, or at least most commonly. For the S54 this is the rod bearing. For another engine it might be the rod or the cylinder wall, or something else.

**2002 BMW E46 M3 S54 Engine 56k Miles! | eBay**

**Building a Bulletproof BMW S54 M3 Engine with Michael Essa**

**Everything You Need To Know About The BMW S54 (E46 M3 engine) How to REPLACE ROD BEARINGS on a BMW E46 M3 (S54 Engine) BMW E46 M3 S54B32 Engine Block Assembly Did BMW M3 S54 engine survived? BMW E46 M3 S54 Engine Bay Reassembly Factory BMW Race Engine? s54 Teardown! Installing S54 Engine \u0026 Transmission Into My E46 Sedan! BMW E46 M3 S54 Engine Sound Fully Forged**

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*E46 M3 S54 Engine*

Hello everyone, I have a S54 engine that I brought to rebuild for a turbo build but plans changed and I'm going a different route. I dissembled the engine and have it in separate pieces ready for the machine shop. Engine came out of a 2005 or 2006 e46 m3, can't remember the year, only had 90,xxx miles on it upon removal from the previous owner.

**E46 M3 S54 Engine - auto parts - by owner - vehicle ...**

BMW E46 M3 S54 3.2L Dropout Engine Motor Complete Manual Type Swap 2001-2006 (Fits: BMW

M3) \$6,499.99. \$350.00 shipping. or Best Offer. 18 watching. Engine 3.2L With Sequential Manual Gearbox Fits 03-06 BMW M3 362881 (Fits: BMW M3) \$3,520.00. \$200.00 shipping. BMW S55 Engine \$8800 After Core Refund F80 M3 F82 M4 Longblock.

*3.2L S54 Engine Motor Dropout Assembly Swap 11000304348 ...*

2002 BMW E46 M3 S54 Engine 56k Miles!.

Condition is "Used". Complete engine with accessories including: Intake manifold Power steering Alternator Engine mounts Harness. Video of the engine running is available! Freight shipping available! In excellent running condition, ready go be installed

*BMW 3 Series (E46) - Wikipedia*

Engine Platform: BMW S54: Production: 2000-2011: Cylinder Configuration: Inline-6: Valvetrain: DOHC, 4/Cylinder: Cylinder Alloy: Cast Iron: Piston Stroke (in.) 91mm: Cylinder bore (mm) 87mm: Compression Ratio: 11.5: Horsepower: US & Canada: 333hp - E46 M3 315hp - Z3M 330hp - Z4M: Horsepower per Liter: 97.0hp-102.6hp: Torque: US & Canada: 262lbft. - E46 M3 252lbft. - Z3M 262lbft. - Z4M