

Bmw e46 service manual

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What is the most common issue on the E46? S54 Engine Bearings This issue is seen on the E46 M3. The high-performance nature of the S54 inline-six engine puts a lot of stress on engine internals. Unfortunately, the engine bearings will wear out and need to be replaced at around 60k miles.

Is the BMW E46 manual? The Clubsport was offered with the 5/6-Speed manual, 6-Speed SMG, or 5-Speed Steptronic transmissions.

What does "service engine soon" mean on an E46 BMW? BMW's Service Engine Soon warning light is an indication that there is a problem with your vehicle's emission control system. It is easy to confuse this with the check-engine light, which means there is a problem with the engine and its connecting components.

How much oil does a BMW E46 5 speed manual transmission take? The gearbox on the BMW M3 E46 takes about 1.6 to 1.7 litres, so there is more than enough oil in this kit to perform the oil change.

What are the big three for an E46? The "Big 3" (BMW E46 M3) The BMW E46 M3 with the S54 engine is an incredibly powerful and capable vehicle, but it has some notable points of failure. You will often hear people talk about "The Big 3" when it comes to maintenance on your E46. The Big 3 includes rod bearings, a rebuilt VANOS, and subframe reinforcement.

How long will a BMW E46 last? I've personally seen numerous models surpass the 200,000 mile mark, like my own 236,000-mile E46 ZHP, while online we've seen some odometers surpass the 400,000 and 500,000-mile thresholds. But there hasn't been a time when I've heard of an example with mileage so high that it actually broke the odometer, until now.

What does E46 stand for? The "E" stands for "Entwicklung", the German word for development. The E46 is the body style for: The E46 is the body style for: 1999: 323i, 328i. 2000: All 323 & 328s. 2001+: All 325s, 330s, and the M3 Coupe and M3 Convertible (There are no plans for an E46 M3 Sedan nor Touring).

Is BMW E46 fast? In several of the subsequent runs, we see the car pushed beyond 260 kph, with its fastest speed nearing 280 kph in the clip. That's 174 mph, for what it's worth.

How much horsepower does a BMW E46 have? Production period: 2000 to 2006. In-line 6-cylinder engine with high speed concept. Max. output: 343 - 360 hp.

Can I drive a BMW with the check engine light on? The BMW check engine light indicates that there is something wrong with the vehicle. It's best to have your car checked immediately to avoid further damage. Driving with the car with the light on for an extended period can be very risky. Don't test your car's resolve!

Can I drive my BMW with the yellow engine light on? Generally, unless there are issues with your engine and you only have a solid amber-coloured EML, you can continue driving to your destination. Have your vehicle looked at by an expert as soon as possible to avoid risking further damage to your car.

Does service engine soon mean oil change? The "Check Engine" or "Service Engine Soon" light indicates there may be a repair or replacement of your engine or transmission. It means there is more than a routine repair or service requirement, and instead, a system failure to the fuel, transmission, ignition, or emissions.

When should I change my BMW manual transmission fluid? For most manual transmissions, you should change your fluid every 30,000 to 60,000 miles; for most automatic transmissions, you should change your fluid every 60,000 to 100,000 miles.

What is the recommended gear oil for BMW E46? If no label is present, the official recommendation is any GL-4 gear oil. Our favorite is the Red Line MTL. However, some transmissions will have an orange ATF label and you should use a Dexron III ATF fluid. The 1984-1986 325e/528e should have a green "Special Oil" label on the transmission.

How much diff fluid E46? Your rear differential will hold about one liter (M3 models 1.5 liters) of oil, but have a little more on hand in case you spill it. Keep in mind that when your car was serviced before, parts may have been replaced with different size fasteners used in the replacement.

What is so special about E46? Rowing through the gears is what this car is all about. So in a G80 it's out of place, but in a lighter, more nimble E46, it feels much better. The entire car is a bit notchy, so the transmission simply matches the feel.

Does E46 need premium? The fabled e39 and e46 cars from the early 2000s each featured 11.5 to 1 compression, which is some of the highest found in a street car. BMW recommends only using premium in these cars, as with all their cars, but it's models like these where you'll feel the effects most.

Does the E46 handle well? Really depends what you consider good handling. The E36 is much more connected to the road, but the E46 is refined and smooth. Both handle awesome, but if you want a car that feels more raw... the E36.

Why is the BMW E46 so expensive? Despite only being offered in two-door form, E46 M3s have tremendous variability in price driven by the many permutations in which it was available, and by the broad spectrum of condition and mileages in which they exist. This is a reflection of the model emerging as collectible cars, not merely enthusiast cars.

What is the rarest BMW E46? It's always uncommon to see an Individual BMW, yet seeing a Ruby Red Metallic E46 M3 is downright rare. Allegedly, only around 25 buyers were willing to spec their new E46 with Ruby Red through BMW Individual, and the left-hand-drive examples were in the single digits.

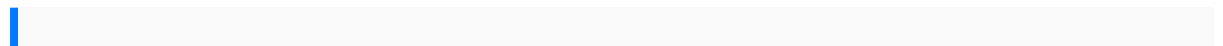
Can BMW last 250k miles? BMWs typically last between 200,000 and 250,000 miles. Of course this depends on how the vehicle is used, how often it's serviced and the particular model.

Do all E46 have subframe issues? Despite the beliefs of some, all E46 3-series BMW's are prone to cracking at and around the rear subframe mounts. No matter the shape, model or way it is driven, subframe cracks are inevitable.

What to check on E46? Verify the interior is tidy and maintained, and look for any indications of rust or damage. Mileage: The mileage on a BMW E46 can affect the car's value and reliability. Look for a car with low to moderate mileage, as high mileage can lead to more maintenance and repairs in the future.

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Are E46 prone to rust? Front wings will rust on E46s, cheap enough for new ones. My advice if you buy an E46, check the areas I have listed, remove side skirts, wax the sills-not Waxoil, Bilthamber. Might be worth reading my silver 330d thread for an idea of where E46s rust.



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