

VW Engines

What 1.8T engine codes were used, and when?

Early MKIV 1.8T engines use an AWD engine code. This engine does not have Variable Valve Timing (VVT).

VW added VVT for the 2000 and 2001 model years (AWW), and modified the engine again in 2002 (engine code AWP).

What 2.0L engine codes were used in MKIV cars?

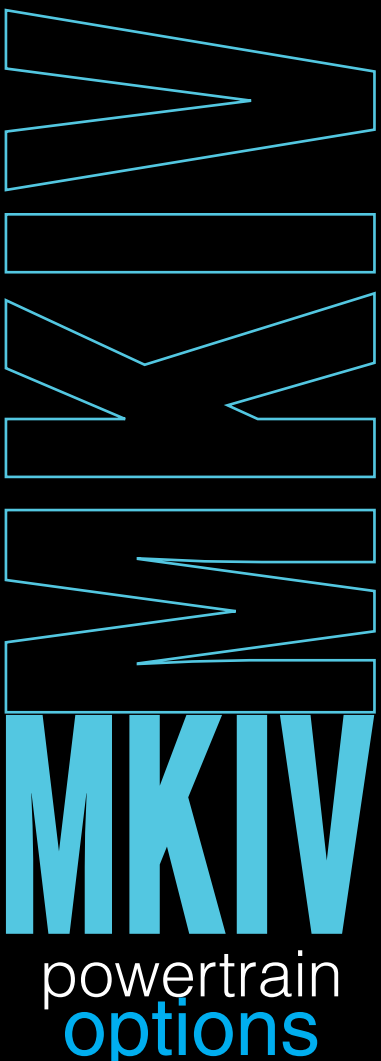
The MKIV 2.0L base engine came in several flavors. Engine codes used with the 2.0L include: AEG, AVH, AZG, BBW, and BEV.

How do I identify my 1.8T or 2.0L engine?

- 1) **Look at the engine number, stamped in the block.** The number should be located on the block at the seam between the engine and transaxle bell housing, in the area near the oil filter flange.
- 2) **Remove the engine cover.** Then check the three letters stamped in the boss for the front engine lift point. **Caution:** Some re-manufactured or new heads may have no marking whatsoever.
- 3) **Look for the factory sticker on the upper timing belt cover.**
- 4) **Check for the presence of a VVT (Variable Valve Timing) mechanism.** AWW and AWP engines both have a VVT camshaft timing mechanism located on the outside of the cylinder head on the transmission side of the engine. AWD engines do not have VVT.
- 5) **Trunk Sticker**
Look inside the spare tire well for a sticker with critical vehicle data, including the engine code.



MKIV trunk sticker with AWP code displayed.



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VR6 VW Engines

What VR6 engine codes were used, and when?

Both 12V and 24V VR6 2.8L engines were used in MKIVs. The VR6 was discontinued in the Jetta in 2005.

The 3.2L version of the VR6 was used only in the 2004 R32.

Engine codes for VR6 engines:

- 12V - **AFP**
- 24V - **BDF**
- 3.2L - **BJS**

Applications:

- **1999-2001** - 12V VR6 (except 2001 Jetta GLI 24V VR6)
- **2002+** - 24V VR6
- **2004** - R32 BJS engine
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How do I identify my VR6 engine?

1) Engine Sticker

There should be a factory sticker attached to the right vertical face of the valve cover, near the fuel lines. (The 12V VR6 has DIS (waste spark) ignition with external plug wires; the 24V VR6 has coil-on-plug ignition, with one ignition coil per cylinder.)

2) Trunk Sticker

Look inside the spare tire well for a sticker with the engine code.

3) Engine marking

- Up to production 06.26.99, the engine number is stamped on the left side of the engine block, in the area beneath the timing chain tensioner.
- From 06.27.99, the number is stamped on the right side of the engine block near the crank pulley.



transmissions transmissions transmissions transmissions

02J

The VW 02J transaxle used in MKIV cars is descended from a long line of transaxles dating back to the MKI. In VW cars, the 02J is a 5-speed transaxle, available with multiple final drive and individual gear ratios, depending on the application.

This cable-shift transaxle is commonly found in standard trim vehicles, with the 02M reserved for diesels and high performance gas engines.

02M

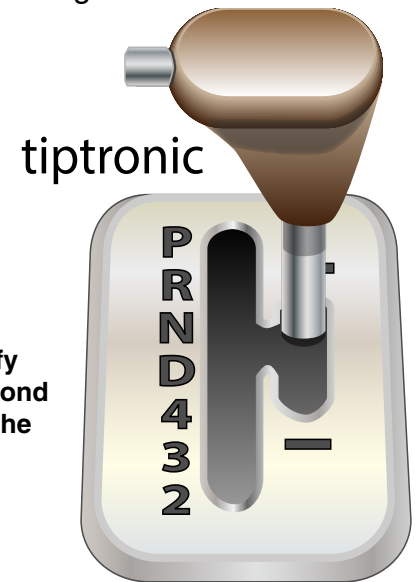
The VW 02M transaxle has a unique design that combines a traditional input shaft with two output shafts, each with a different final drive ratio. Combining individual gear ratios with two final drive ratios improves acceleration at low speeds, while providing a lower overall output ratio for improved fuel economy in the upper gears.

The cable shift 02M was added as an option in 2002 and used with torque-rich engines in performance models like the 337, 20AE, and Jetta GLI.

automatics

VW MKIV 4 and 5-speed automatics are both fully automatic transmissions.

Tiptronic versions of the 5-speed can be operated as a fully automatic transmission or shifted manually by a simple fore and aft motion at the gear shift lever.



Tiptronic are easy to identify due to the presence of a second selector gate to the right of the traditional PRND432 gate.



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