

2008 audi tt cam follower manual

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Identifying and Troubleshooting Cam Follower Issues**

How to Tell if a Cam Follower is Bad

- **Unusual Noises:** Listen for ticking, rattling, or tapping coming from the engine, particularly at higher RPMs.
- **Power Loss:** A worn or damaged cam follower can cause the engine to lose power or run erratically.
- **Oil Leaks:** Excessive oil leaks around the cam follower may indicate a damaged seal.
- **Vibration:** A bad cam follower can cause the engine to vibrate noticeably.
- **Premature Wear:** Inspect the cam follower for signs of abnormal wear, such as pitting, scoring, or deformation.

How Often Should I Change my Cam Follower?

Cam follower replacement intervals vary depending on the engine type and usage. Generally, they should be replaced every 50,000 to 100,000 miles or as recommended by the vehicle manufacturer.

What Causes a Cam Follower to Fail?

- **Lack of Lubrication:** Insufficient oil supply can lead to premature wear and failure.
- **Excessive Loads:** Overloading the engine or using heavy springs can stress the cam follower.

- **Poor Maintenance:** Neglecting regular oil changes can cause contaminants to accumulate and damage the cam follower.
- **Manufacturing Defects:** Faulty materials or improperly machined components can lead to premature failure.
- **Aggressive Cam Profiles:** High-lift or performance cams can increase the loads on the cam follower, leading to failure.

What Does a Bad Cam Follower Sound Like?

A bad cam follower typically produces a ticking or rattling sound that increases with engine speed. The sound may be more noticeable during acceleration or deceleration.

What Does Bad Cam Sound Like?

A damaged camshaft can also cause unusual noises, such as:

- A lifter tick or tapping
- A grinding or scraping sound
- A loss of engine power
- Rough idle or stumbling

How Do You Tell if a Cam is Damaged?

- **Engine Noises:** Unusual noises coming from the camshaft area can indicate damage.
- **Timing Issues:** A bent or damaged camshaft can affect the timing of the engine.
- **Oil Pressure Drop:** A drop in oil pressure may be caused by worn or damaged camshaft bearings.
- **Visual Inspection:** Remove the camshaft cover to inspect the camshaft for signs of wear, scoring, or deformation.

How Long Do Cam Followers Last?

Cam followers typically last between 50,000 to 100,000 miles with proper maintenance and adequate lubrication. However, their lifespan can be affected by factors such as engine type, usage, and maintenance practices.

Why Do Cam Followers Spin?

Cam followers are designed to spin on their axis to distribute the load and reduce friction. This helps to prevent premature wear and extends their lifespan.

Is a Cam Follower the Same as a Lifter?

No, a cam follower and a lifter are not the same components. Cam followers are used in overhead cam engines, while lifters are used in pushrod-style engines. Both components play a similar role in transferring motion from the camshaft to the valves.

What Should be the Cam Follower Move with for High Speed Engine?

For high-speed engines, cam followers should move with low friction to minimize energy losses. Rolling element bearings or needle bearings are commonly used in such applications.

What is the Function of Cam Follower?

The function of a cam follower is to transfer motion from the camshaft to the follower, such as a valve or rocker arm, in an engine.

Is a Cam Follower a Bearing?

Yes, a cam follower is a type of bearing that allows for rotational motion while supporting a load.

What Type of Failure is Considered on Cam Camshaft?

Common camshaft failures include:

- Scoring or wear on the cam lobes
- Bent or damaged camshaft

- Worn camshaft bearings
- Loss of oil flow to the camshaft

How Do You Know if Your Cam is Bent?

Signs of a bent camshaft include:

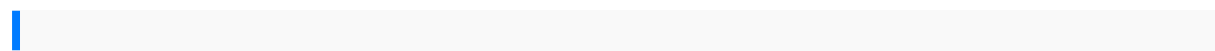
- Abnormal engine noises
- Timing issues
- Loss of engine power
- Backfiring or engine misfiring

What Does a Cam Follower Look Like?

Cam followers are typically cylindrical or disk-shaped components with a bearing surface on one end and a mounting point on the other. They may be made of various materials, such as steel, aluminum, or plastic.

How Do I Know if My Audi A4 B7 2.0 T Cam Follower is Bad?

- Listen for unusual noises, such as ticking or rattling, coming from the engine.
- Check for excessive oil leaks around the cam follower.
- Inspect the cam follower for signs of wear or damage.
- Consider the vehicle's mileage and maintenance history to determine if cam follower replacement may be warranted.



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