



## 46 Zirconium inserts in brake piston (ceramic brakes only)

46 23 40 2069078/1 January 5, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi Models	2006 – 2023	All	Ceramic Brakes

## Condition

### Customer states:

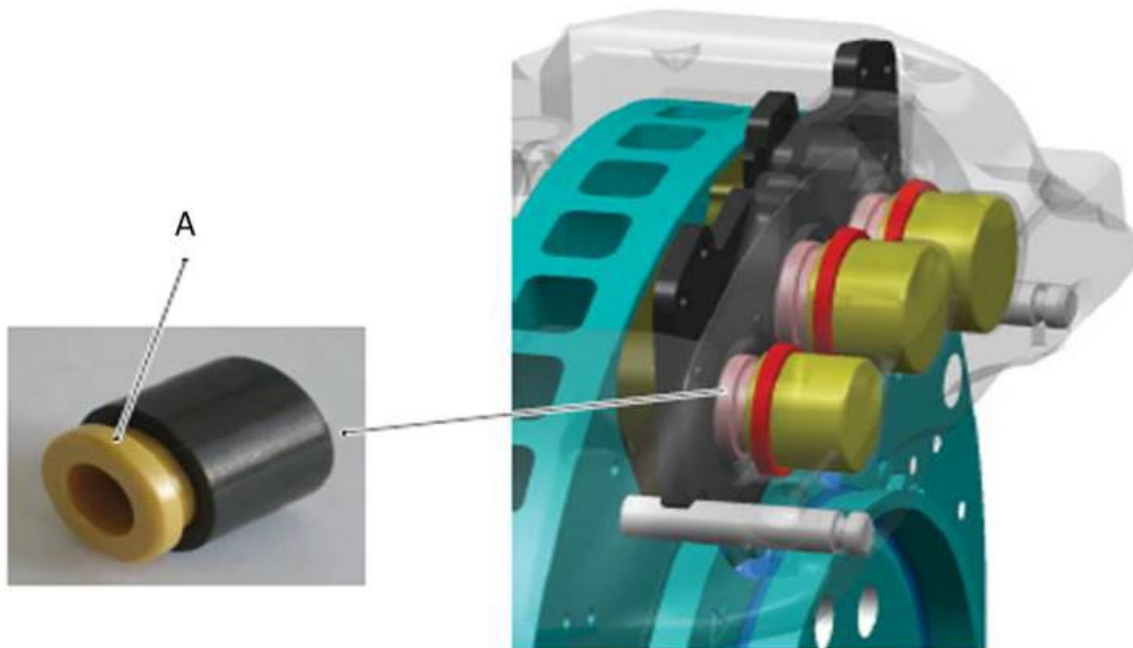
- No customer concerns, it is found during diagnostic work.

### Workshop findings:

- When working on the brake calipers (when replacing the brake pads), it is noticed that the zirconium inserts are not firmly attached to the brake piston. The zirconium inserts are loose (can be turned/moved).

## Technical Background

To prevent the brake pads' high temperatures from being transferred to the brake piston and thereby also to the seals and brake fluid, insulators known as zirconium inserts are used on the ceramic brake system. (Figure 1 - item A).



**Figure 1:** Zirconium inserts for the ceramic brake system.



## Production Solution

Not applicable.

## Service

- Fit zirconium insert back into brake piston.
- It is neither necessary nor justified to replace the brake caliper.
- The brake system's functions are not affected.

## Warranty

This TSB is informational only and not applicable to any Audi warranty.

## Additional Information

All part and service references provided in this TSB (**2069078**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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