

Advanced Technical Information

Cayenne (9PA)

1302.2 9666

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This bulletin replaces bulletin ATI Grp 9 1302.1, dated Oct 16, 2023.

KESY Immobilizer Repairs on 1st Gen. Cayenne

Vehicle Type: **Cayenne, Cayenne S/Cayenne Turbo (9PA)**

Model Year: **As of 2003 up to 2010**

Concern: **KESY Immobilizer system functionality and component replacement**

Information: The 1st Generation Cayenne Immobilizer (KESY) system incorporates the following components:

- KESY Control Unit (mounted under the driver's side dashboard)
- DME Control Unit (mounted in the passenger's side cowl panel)
- ELV (steering column lock, integral to the steering column)
- Vehicle Key Remotes

If an immobilizer system component requires replacement, it is important the new component is taught successfully before performing any additional repairs.

If a component in the system fails or is replaced and not successfully taught then the vehicle will not start. If multiple components fail or are replaced simultaneously then it is extremely difficult to restore function to the system. Also, if a component is not successfully taught, create an extended logging file.

To ensure proper communication between the PIWIS Tester and the vehicle, switch the 4-way flashers on and depress the brake pedal (verify brake lights illuminate) during all KESY teaching operations. When making repairs to the KESY system it is extremely important to follow the directions on the PIWIS Tester II. Any directions involving insertion of the vehicle key, turning the key on or turning the key off must be followed exactly.

Note: When replacing the ELV (steering column), it is advisable to wait and not press [F12] when the message "ELV taught successfully." is displayed. Leave the PIWIS Tester at this screen for 10 minutes before pressing [F12].

After teaching a new component, the engine may start and stall. If this occurs, it is advised to lock the vehicle with the key remote and wait an additional 15 minutes before attempting to start the engine again.

Do not immediately dispose of original or suspected faulty components as they may be needed to restore immobilizer system functionality. Once system operation has been restored and all keys are taught, then faulty components may be disposed. Also, if the vehicle was previously repaired/ diagnosed by another workshop, request the components that were replaced.

Contact Technical Support via PRMS for additional support.

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