



Vehicle Keys

SYSTEM OVERVIEWS



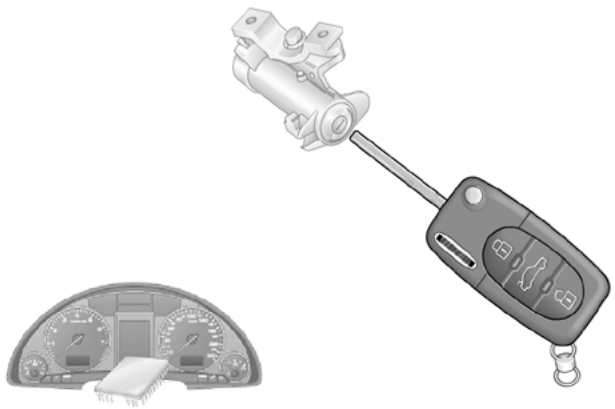


When working with the **Immobilizer System**, it is important to have all of the keys available.





Since the keys communicate with the **Immobilizer Control Module**, replacing components in the system may require the checking, adapting or replacing of vehicle keys.





If only one key is adapted, the remaining keys will not start the vehicle.





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- When replacing an **Instrument Cluster**, all keys must be present so that they can be adapted after the **Cluster** has been replaced. If only one key is adapted after replacing the **Instrument Cluster**, the rest of the keys will not start the vehicle.



Following are the guidelines for key adaptation/replacement in **Immobilizer Systems**.

- When installing a new **ECM**, it is not necessary to adapt the keys to the vehicle. However, after replacing the **ECM**, all keys should be checked to verify that they operate correctly.
- When replacing an **Instrument Cluster**, all keys must be present so that they can be adapted after the **Cluster** has been replaced. If only one key is adapted after replacing the **Instrument Cluster**, the rest of the keys will not start the vehicle.
- When replacing an **ECM** and an **Instrument Cluster** at the same time, all keys must be replaced.
- Whenever possible, avoid key replacement by adapting either the **ECM** or the **Instrument Cluster** before replacing the other part.