

Delphi Immobilizer Systems

Delphi immobilization systems are highly reliable theft deterrent systems. Using a transponder and an encrypted key code, the system authenticates users to enable or disable vehicle startup. Upon authentication, the ECM (engine control module) is released over a secure communication line to start the vehicle.

▶ Benefits

- High-level of security through two-way authentication algorithm
- Flexible packaging options
- Optimized system configuration to meet customer requirements
- Seamless integration with other vehicle systems and components

▶ Features

- Unique electronic coded key
 - Embedded radio frequency (RF) transponder
 - Communicates with immobilizer via 125 kHz carrier frequency
 - Stores secret key and performs other critical functions (user programmable 96-bit secret key)
 - Crypt code transponder stores secret key and transponder ID (factory-programmed 4-byte security code)
- Patented crypt code algorithm
- Optional system communication via K-line, LIN, LS-CAN or HS-CAN



Delphi Immobilizer System Components