

The Passive Entry Passive Start (PEPS) controls vehicle functions. This consists of a CID (Customer Identification Device), an ECU (Electronic Control Unit) with passive ferrite antennas.

The ECU transmits information to the CID through a 125kHz ASK carrier and the CID transmits information to the ECU through an RF ASK carrier (315MHz for NA). The passive antennas are used to transmit the 125kHz. The system allows for Passive Start and Entry as well as control of other invehicle operations. Passive entry is initiated by lifting a door handle. The ECU will then generate a 125kHz field, which the CID will read and respond back to the ECU via an RF response (315MHz for NA)