

The Passive Entry Passive Start (PEPS) controls vehicle functions. This consists of a PK (Passive Key), an ECU (Electronic Control Unit) with passive ferrite antennas. The ECU transmits information to the PK through a 125kHz ASK carrier and the PK transmits information to the ECU through an RF FSK carrier (315MHz). The passive antennae are used to transmit the 125kHz. The system allows for Passive Start and Entry as well as control of other in vehicle operations. Passive entry is initiated by lifting a door handle. The ECU will then generate a 125kHz field, which the PK will read and respond back to the ECU via an RF response (315MHz).