

System Configurations / Components

The Harley Davison BCM system provides a secure method of allowing communications of commands between the Customer Identification Device (CID) and the BCM. Once the IGN/RUN switch is activated the BCM controller will initiate the uplink process that is a 125 KHZ transmission, if the operator carries a valid CID it will generate a 433.92MHZ or 315MHZ downlink in response to the incoming signal, the whole process takes around 100ms and it is intended to disable the security and immobilization function and allow the engine to start.

Security Module:

- Includes an LF transmitter and either a 315 MHz or 434 MHz UHF/RF Receiver
- Available in either an X-axis or Y-axis vehicle mounting configuration

The security module is the main component of a vehicle security system, which includes the following components:

- Security Module BCM
- LF Antenna Module
- Customer Identification Devices (CIDs) , Quantity = two.

The CID is delivered with a 434 MHz or a 315 MHz RF transmitter. The 315 MHz configuration is designed to comply with the anti-tamper and RF requirements of the Japanese market.

The BCM shall provide the Functions defined in the following table:

Function

- **Vehicle Turn Signal Operation**
- **Tip-Over Shut Down Safety Feature**
- **Vehicle Power Control**
- **Security Alarm & Immobilization**
- **UHF/LF Link**
- **Tire Pressure Monitoring**
- **HDLAN Serial Bus**
- **Feature Customization**