

# MY16 Harley-Davidson FOB

## Description of Operation

The Model Year 2016 Harley-Davidson FOB has two modes of operation, Passive Authentication and Remote Feature Activation.

Passive Authentication communication shall be initiated by a 125 KHz LF uplink from the Harley Body Control Module (BCM).

Remote Feature Activation shall be initiated by a button(s) on the FOB.

### **Passive Mode Authentication**

- a. The FOB shall receive a LF uplink signal from the BCM.
- b. The FOB will wake up if the uplink signal data matches the data in the FOB device.
- c. The FOB will check the challenge data on the uplink and send back a UHF response to the BCM if the data matches the data stored in the FOB.

### **Remote Feature Activation (Button Versions Only)**

- a. The FOB shall wake up when button activation is detected.
- b. Once awake the FOB will send encrypted messages to the BCM over the UHF downlink as long as the button is depressed but limited to 5 seconds.