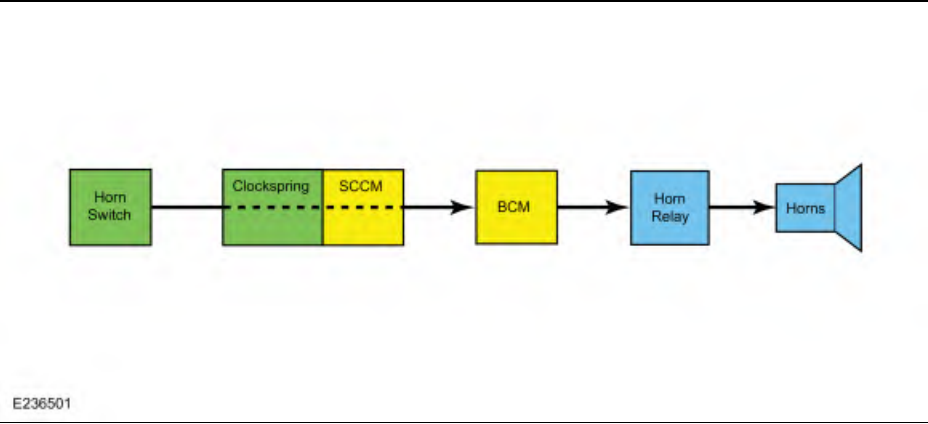


Horn - System Operation and Component Description

System Operation

System Diagram - Vehicles without Adaptive Steering



Item	Description
1	BCM
2	Horn Switch
3	Horns
4	Horn Relay
5	Clockspring
6	SCCM

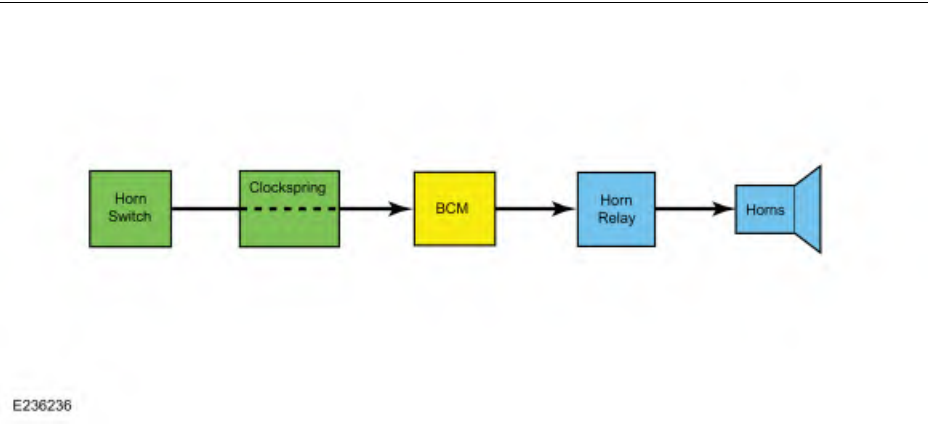
Horn Operation

The BCM sends a signal to the horn switch through the SCCM and the clockspring.

The horn switch uses sets of contacts separated by springs. The lower set is connected to ground and the upper set is connected to the horn signal circuit. When the driver airbag is pressed into the steering wheel, it pushes down on the upper set of contacts, collapsing the springs, into the lower set of contacts. When the contacts touch, it signal from the BCM is completed to ground through the clockspring, indicating a request to sound the horn to the BCM.

The BCM then grounds the horn relay coil to energize the horn relay. When energized, the horn relay provides voltage to the horn, activating the horns.

System Diagram - Vehicles with Adaptive Steering



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Component Description

Horn

The horn assembly consists of 2 horns (different notes) attached to a bracket. They are not serviced separately.

Clockspring

The clockspring is the interface between the BCM and the horn switch contacts. It allows the steering wheel to rotate while maintaining circuit integrity with the electrically monitored/activated components mounted to the steering wheel.

BCM

The BCM controls the horn activation based on input from horn switch contacts and other features.

The BCM requires PMI when replaced. Additionally, carry out the parameter reset procedure and program at least 2 keys.
