

When the ignition is in the ON mode, the BCM activates the run/start relay to provide voltage to the vehicle electrical systems and communicates the ignition mode to the other modules by sending an ignition status message over the CAN.

When the vehicle enters ON mode, multiple indicators in the IPC prove out and the IPC displays the gear selection and the vehicle mileage.

START

If the brake pedal is applied when the START/STOP button is pressed, the vehicle temporarily goes into the START mode so long as a valid programmed key is detected within the vehicle.

In addition to activating the run/start relay, the BCM communicates the ignition mode to the other modules by sending an ignition status message over the CAN.

After the ignition has completed the vehicle start sequence, the ignition mode returns to ON and the ignition mode indicator in the ignition switch illuminates steadily.

The engine can be started from any ignition mode.

DESCRIPTION AND OPERATION > STEERING WHEEL AND COLUMN ELECTRICAL COMPONENTS - SYSTEM OPERATION AND COMPONENT DESCRIPTION > NETWORK MESSAGE CHART - HEATED STEERING WHEEL

HSWM Network Input Messages

Broadcast Message	Originating Module	Message Purpose
Engine power status	PCM	This message indicates to the HSWM whether the engine is running.
Ignition status	BCM	Indicates which ignition mode is active.
Transport mode	BCM	Message is used to reduce the drain on the battery during long periods when the vehicle is not used, such as shipping from the factory to the dealership.
Steering wheel heat request	FCIM	Message is used to activate the heated steering wheel function when the touchscreen button is pressed on the FDIM, or when the conditions are met to activate the heated steering wheel (and heated seats) during a remote start.

FCIM Module Network Input Messages

Broadcast Message	Originating Module	Message Purpose
Heated steering wheel button	APIM	This message informs the FCIM