



Service Bulletin

File in Section: -

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PRELIMINARY INFORMATION

Subject: Tire Temperature Information on I/P Driver Information Center (DIC)

Models: 2014 Chevrolet Corvette
Condition/Concern

Customers may comment that within the instrument panel DIC there is an option to view tire temperatures. This selection may cause some confusion over the intended purpose of the information.



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Tire Temperature Information

The Tire Temperature information screen may display “COLD”, “WARM” or “HOT” as needed and allows drivers the ability to monitor the approximate temperature range of the tire tread. This indicator is calculated using an on-wheel mounted tire stem temperature sensor, along with readings of air temperature, vehicle speed, lateral force, steering/slip angles, braking use and engine torque. These data streams when used together allow the Corvette to accurately estimate the temperature of the tire tread.

Tire Temperature “COLD”

COLD is displayed on the DIC to indicate estimated tire tread temperatures of 46 degrees (8°C) or less. Tires that are cold offer less traction than tires that are warmer due to the tire tread compound being harder in cold temperatures. During times that the tire tread is indicated as COLD, the Anti-Lock Brakes, Traction and Stability Controls are recalibrated to take into account the available traction of COLD tires.

Note: When the vehicle is parked, the On-Wheel Tire Temp/Pressure Sensors do not broadcast data unless the air pressure drops over 6 kPa (1 psi) or the vehicle reaches 20 km/h (13 mph). This inactivity is to preserve battery life of the sensors. Due to this method of operation, it is possible for the vehicle DIC to display WARM briefly during cold weather when the vehicle is first started. Once the vehicle reaches 20 km/h (13 mph), correct information will be displayed.

Tire Temperature “WARM”

WARM is displayed on the DIC to indicate estimated tire tread temperatures of 47 degrees (8°C) to 139 degrees (60°C). The tires originally installed on the Corvette work fairly uniformly within this temperature range, and WARM will be the indication most frequently displayed. Anti-Lock Brakes, Traction and Stability Controls are recalibrated to take into account the available traction of WARM tires. Even a vehicle that has not been driven overnight may display WARM continuously unless cold weather driving is encountered.

Tire Temperature “HOT”

HOT is displayed on the DIC to indicate estimated tire tread temperatures of above 140 degrees (60°C). The tires originally installed on the Corvette are of a very high performance grade, and are designed to function well under extremely demanding driving. The indication of HOT confirms that the tire treads are heated to the point that they will develop maximum road adhesion. Temperatures in the HOT range are not usually achieved without aggressive driving practices even in high ambient air temperatures. Anti-Lock Brakes, Traction and Stability Controls are recalibrated to take into account the available traction of HOT tires.

Notice: The indication of HOT is not intended as a warning or caution to drivers.

How to Access the Tire Temperature Display on the DIC

To access the tire temperature information on the driver information center:

1. Activate the ignition to ON or START the vehicle.



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2. PUSH the LEFT arrow (1) on the steering wheel mounted controls to open the different data categories menu.



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3. Use the UP or DOWN (2) arrows to select the "Perf" category and PUSH "sel."
4. Using the DOWN arrow (2), scroll to the last information display option which is TIRE TEMP.