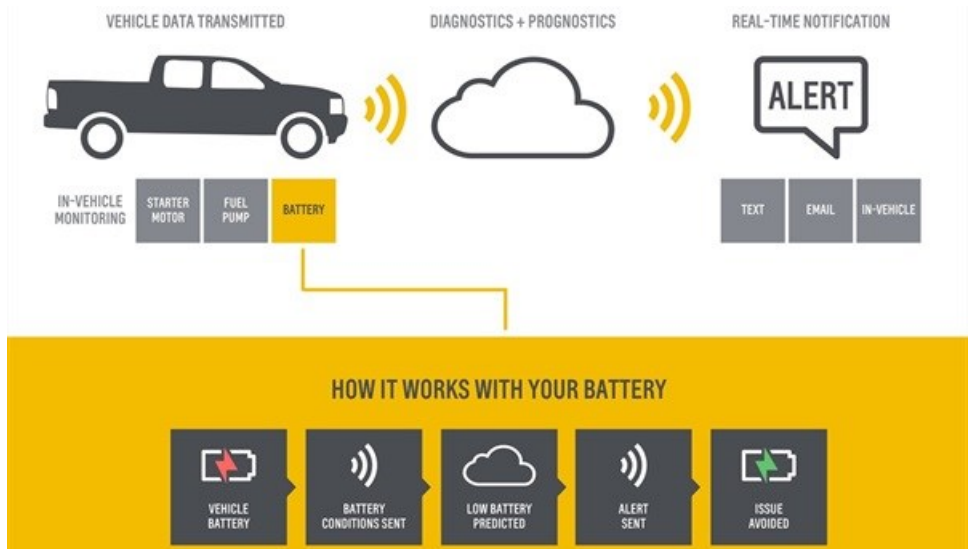# Chevrolet offers predictive maintenance tech

Chevrolet has introduced predictive technology that allows a driver's vehicle to warn them about a potential maintenance need before it occurs.

The technology is similar in concept to that on the Boeing 787, which can send in-flight messages to ground crews alerting them of parts needing inspection before the plane arrives. For Chevrolet drivers who opt-in to the service, OnStar Proactive Alerts continually monitors the health of the vehicle's starter motor, fuel pump and 12-volt battery. If anomalies are detected, OnStar will notify drivers to take their vehicle in for service, reducing unexpected repairs.

The service, is available now for OnStar subscribers who own a 2016 Chevy Silverado, Tahoe, Suburban, Corvette and Equinox. Proactive Alerts collects a small batch of data each time the vehicle is started, and monitors it on an ongoing basis. Then, the system analyses and refines billions of pieces of data, accumulated across the fleet of vehicles. If the data indicates a particular vehicle's component is not performing as expected, the system will automatically send the driver a message through an in-vehicle notification, and either an email or text message based on customer preference.

Saving time

"Accuracy is the key to our prediction algorithms," Holland said. "We will be able to inform dealer service departments so they can spend less time testing for a condition we have already diagnosed. They can replace the necessary part quicker and minimise the amount of time a customer's vehicle is at the dealership," said Steve Holland, chief technologist for Vehicle Health Management at General Motors.

Proactive Alerts is offered with all OnStar service plans on eligible models, including the OnStar Basic Plan that comes standard for five years on new Chevrolet vehicles. In the future, plans are in place for Proactive Alerts to monitor additional vehicle components and expand to other Chevrolet models.

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