

Subject Highlander Stop & Start replacement battery information		Market USA
Service Category Power Source/Network	Section Battery/Charging	
Applicability Highlander with Stop & Start		

APPLICABLE VEHICLES

2017-2019

Highlander

CONDITION

Some 2017, 2018 and 2019 model year Highlanders are equipped with an engine Stop & Start system.

It is important to use part number 28800-31550 when Stop & Start equipped Highlanders need battery replacement. There is no recommended Trustart battery that is applicable for Stop & Start Highlanders.

The Stop & Start equipped battery is specially designed for deep discharges, and it is of a design called enhanced flooded battery (EFB). Characteristics of EFB type batteries are the ability to quickly discharge, and recharge.

RECOMMENDATIONS

Use the correct battery, part number 28800-31550.

When testing batteries for Stop and Start equipped Highlanders use the battery type “enhanced flooded” or “EFB” using the battery tester. If you are not sure if the Highlander is equipped with Stop & Start functionality there are several ways to identify them.

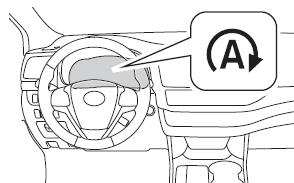
1. Stop & Start equipped vehicles have a Stop & Start Indicator light and a button on the dash to turn the system off temporarily, it looks like this:

Stop & Start Engine System (if equipped)

The Stop & Start Engine System stops and restarts the engine according to the brake pedal operation and other operations when the vehicle is stopped.

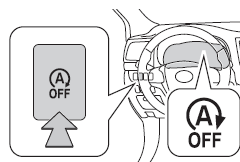
Stopping the engine

While driving with the shift lever in D, depress the brake pedal, and stop the vehicle.



Disabling the Stop & Start Engine System

Press the Stop & Start Engine System cancel switch to disable the system.



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2. Stop & Start is standard equipment on V6 Highlander LE PLUS, XLE, SE, and Limited models.
3. You can also identify the correct battery by looking at the battery label, which should have the part number 28800-31550. The battery manufacturer "GS Yuasa" can be seen on the front of the battery in raised letters, and on the battery label. It also has screw type vent caps, not press in vent caps.

LINK REFERENCES

This Tech Tip does not contain any link references