

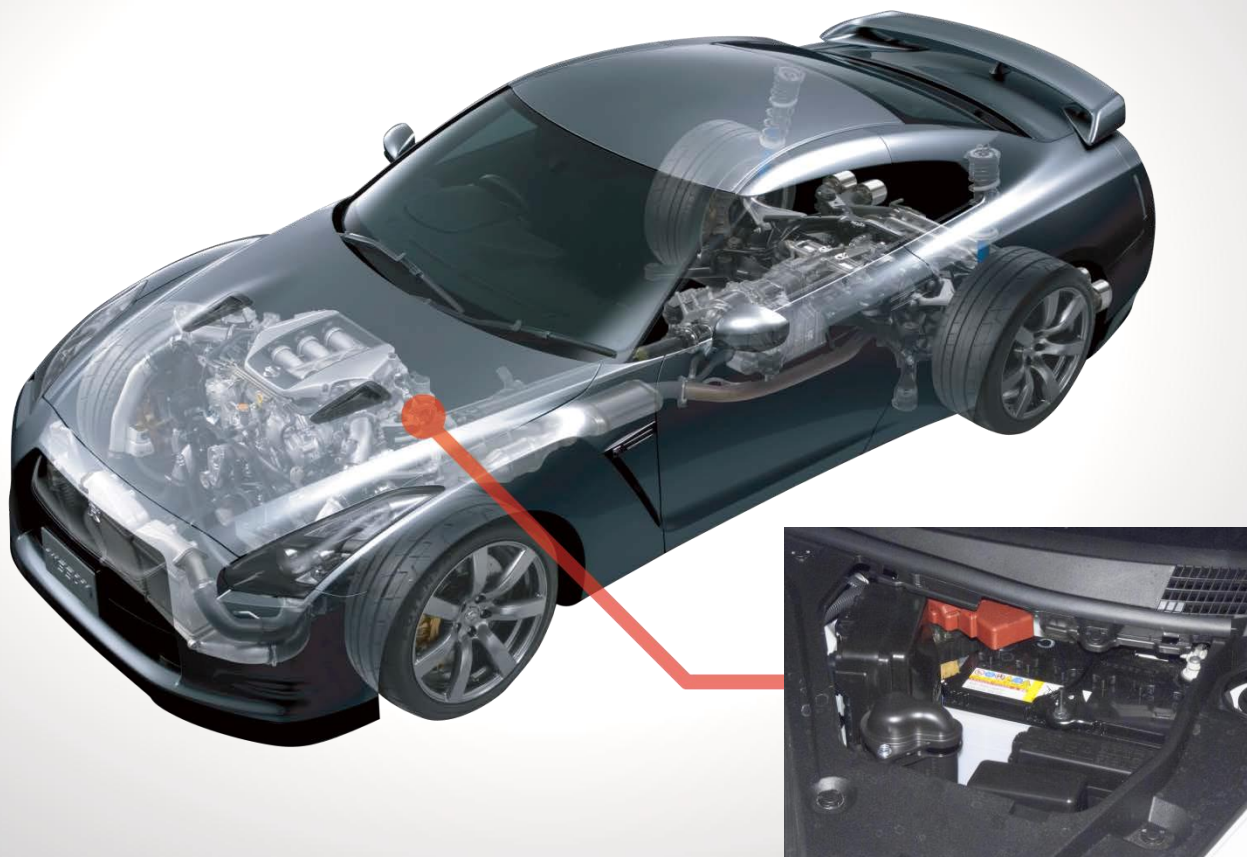


**Genuine Nissan Parts**

**Battery**

# Battery

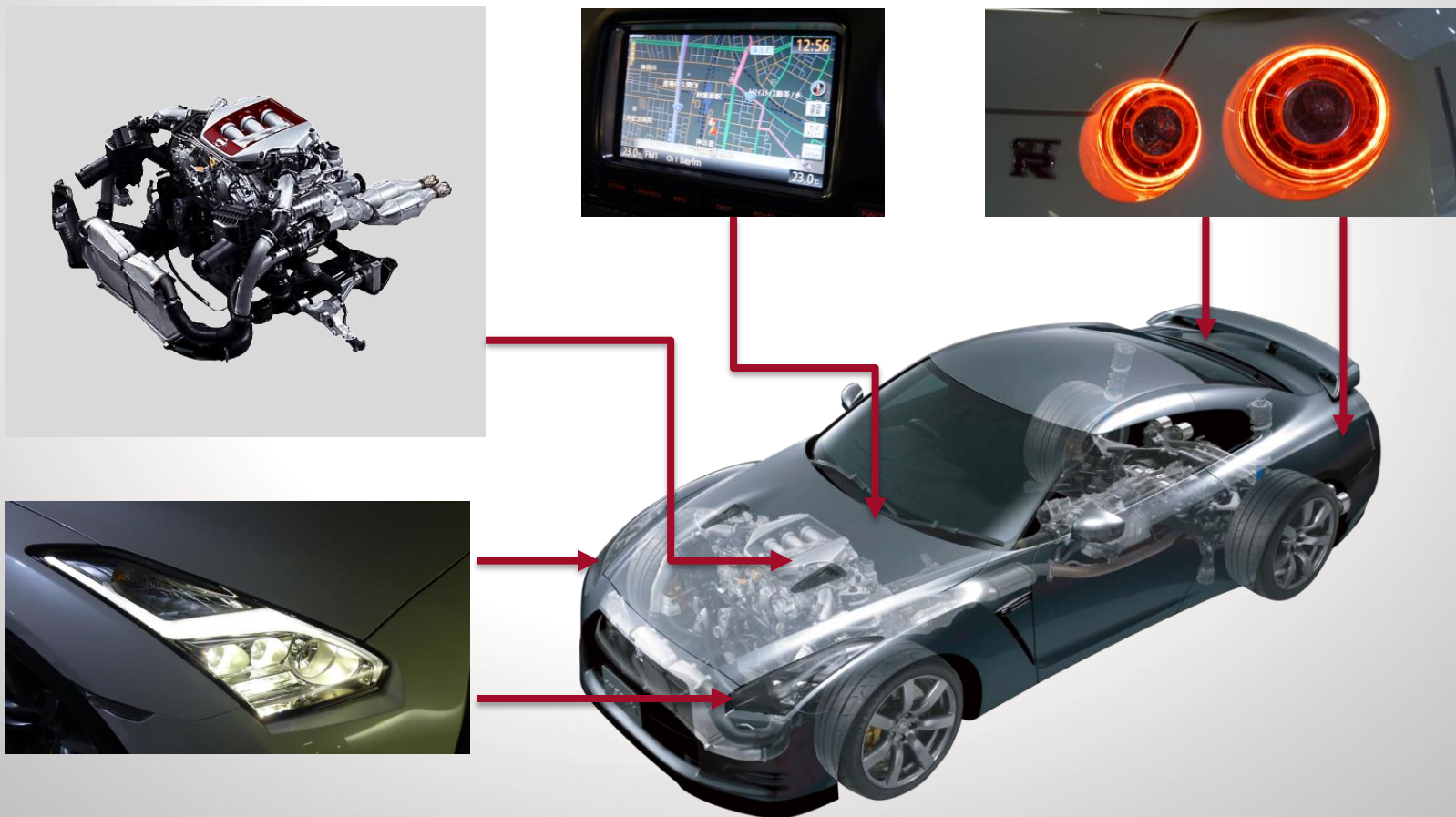
## Parts Location



# Battery

## Major Functionality

The battery is used to start the engine and to supply electric power to the electric components.



# Battery

## Necessity of Replacement



**Dim lights**



**Engine does not start**

# Battery

## Factors of Battery Deterioration

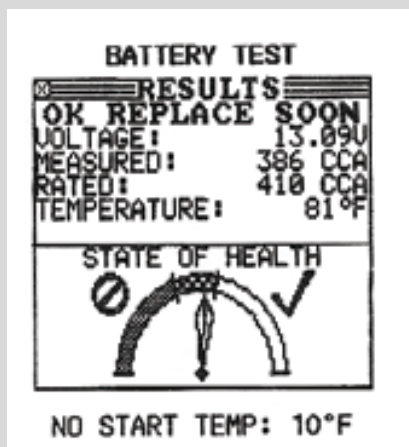


**Damage**

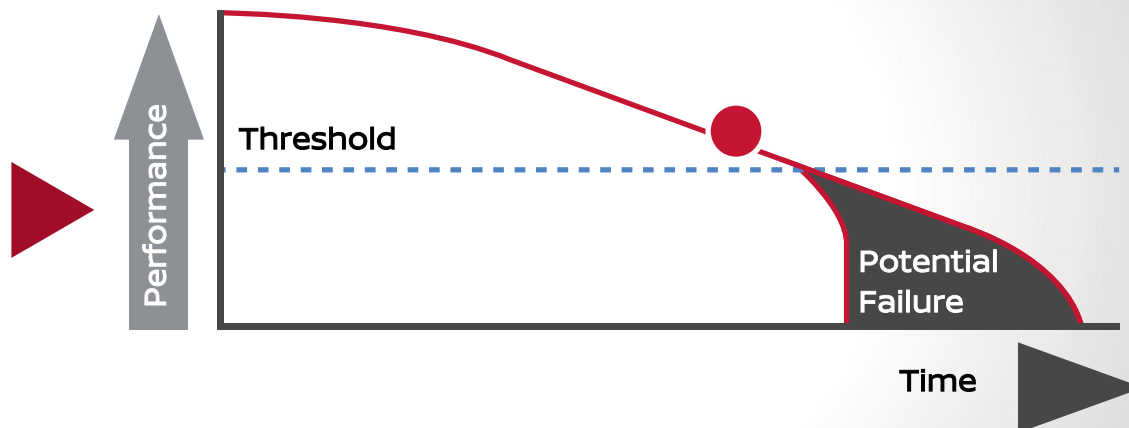
- Overcharging
- Excessive Discharging
- Sulfation
- Prolonged Discharge
- Usage Under Severe Condition
- Lack of Charge
- Faulty Charge System

# Battery

## Battery Lifetime

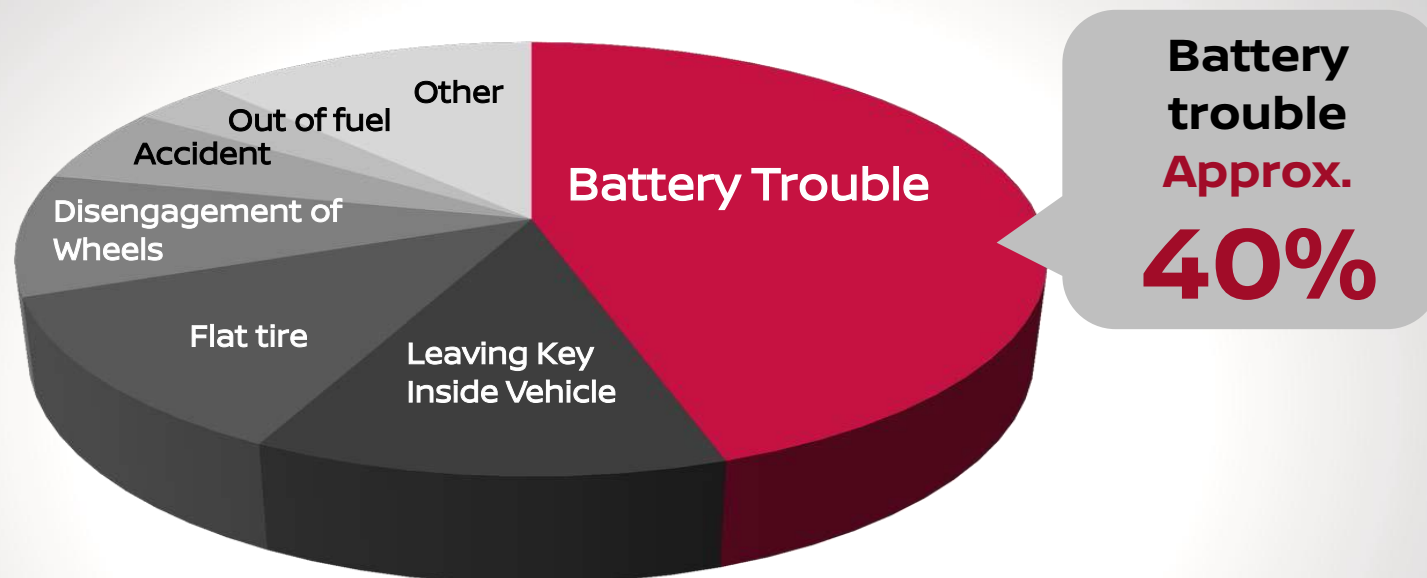


Reference: Midtronics, Inc.,  
EXP-800 product catalog



# Battery

## Ratio of troubles that occur on roads (Japan)



Battery trouble accounts for majority of roadside incidents in Japan. Approximately 40% of roadside assistance involve battery related trouble.

There are two major causes of excessive battery discharge; namely heavy use of air conditioning and audio system. Both cases accelerate battery deterioration.

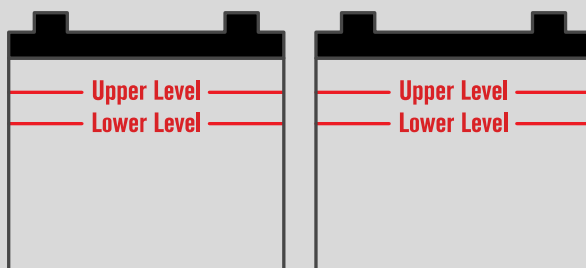


# Battery

## Inspection Method



### Liquid Level Check



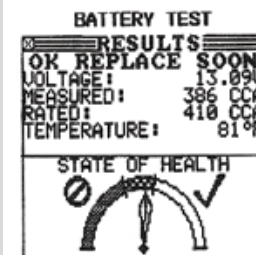
**BAD!**

**GOOD!**

### Performance Diagnosis



Quick Test  
by Battery  
Tester



NO START TEMP: 10°F

Reference: Midtronics, Inc.,  
EXP-800 product catalog

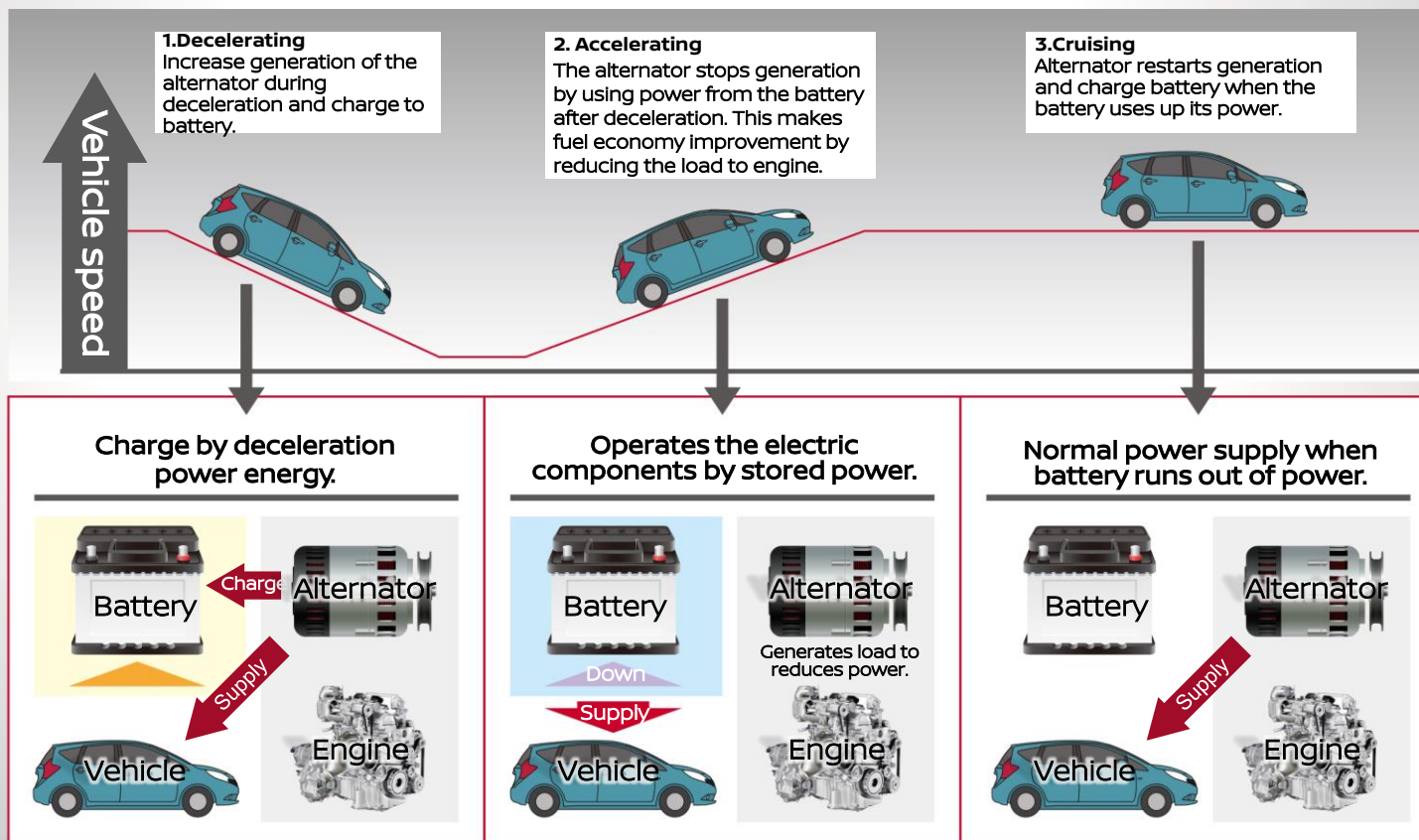


# Battery

## Charging Control System

Enables charging in a short period of time.

Endures frequently repeated charge and discharge cycles.



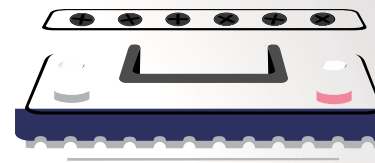
← Flow of energy [Image of power]

# Battery

## GENUINE NISSAN PARTS YOU CAN RELY ON

### Genuine Nissan Parts that meet Nissan's demanding standards

**Genuine Nissan Replacement Batteries\* are designed to meet your vehicle's original specifications. Plus your Nissan dealer has the knowledge and equipment to test your battery before it fails, so you can travel in confidence.**



**\*Recommended battery will vary by country.**