



Background

Gearshift Sound

○ Addition the sound

Operation + = Gearshift sound

Sense of unity UP

○ The point of issue

Background noise noticeability **UP** **Acc. feeling DOWN**

Gearshift sound noticeability **DOWN**

Purpose

○ Design gearshift sound for each stage

Gearshift sound Noticeability **UP**

Acc. Feeling UP

○ Sensitive balance design

Sensitive balance design

Gearshift operation feeling UP

Contents

Gearshift Sound for Each Stage

○ Considering driving noise change

SPL change

Freq. change

Gearshift Shock & Operation force

○ Design for gearshift sound change

Quiet x Low **Mid. x Mid.** **Loud x High**

Sensitive balanced design of gearshift sound, gearshift shock & operation force

Verified

○ Evaluation using DS

Verified under good conditions of

- sound,
- shock,
- force