Yamaha Motor's Performance Damper for Use in LEXUS LC
- Contributing to a higher-driving comfort and steering stability -

IWATA, July 27, 2020 - Yamaha Motor Co., Ltd. (Tokyo: 7272) announced that the vehicle performance vibration damper - Yamaha Performance Damper - has been adopted for use in "LEXUS LC500 Convertible" models (released from July 15), and 2021 model year of "LEXUS LC500" (released from June 18).

The Yamaha Performance Damper will be installed in LEXUS models IS350/300, RC350/300, GS350 (2WD)/300, CT200h Version L/C-F SPORT, NX300h/300 F SPORT, ES350 Ultra Luxury・F SPORT (Overseas models)/ES300h Ultra Luxury (Overseas models) Version L-F SPORT, LX (Overseas models), RX450h/300 F SPORT, UX250h/200 (Option) making 10 models to date.

The Yamaha Performance Damper is a chassis damping component that is installed in the main structural areas of vehicles. It is a device designed to control and absorb minute distortions and vibrations, contributing to enhancements in stability and comfort in a wide variety of models. The Performance Damper was first used in a mass-production model in April 2004, from its basic concept development in 2000, and has achieved a cumulative production of 2 million units in January 2020.

Features of the Yamaha Performance Damper
Normally, when a passenger vehicle is in motion, micro distortions of less than 1mm occur in the body. A metal vehicle body has elastic characteristics and lacks damping force, meaning that external distortion energy is accumulated and released almost unchanged, repeating the cycle of distortion at a natural frequency. The Yamaha Performance Damper adds a damping element to the chassis, thereby absorbing the distortion energy and releasing it as heat. It curbs an excessive rate of distortion on the chassis, providing greater mobility and stability as well as superior maneuverability and driving comfort during normal driving and also at high speeds when the chassis is subjected to relatively high distortion.

For details relating to the Yamaha Performance Damper, please visit https://www.yamaha-motor.co.jp/pd/