

## Press Release

Aug 15, 2018 | ID: 236062

# Polestar software upgrade delivers more rear-wheel torque in all-wheel drive Volvos

Volvo Cars, the premium car maker, has introduced a new Polestar-developed software upgrade that increases torque distribution to the rear wheels of Volvo cars equipped with all-wheel drive (AWD), for more dynamic driving.

The optimisation software, developed by Volvo Car Group's new electric performance brand Polestar, increases the amount and frequency of torque distributed to the rear wheels, improving steering with enhanced turn-in, better control and engagement when cornering, and improved traction when pulling away, delivering a more engaging drive.

"We are always fine-tuning the driving experience of Volvo cars and this upgrade makes the all-wheel drive both smoother and more dynamic," said Henrik Green, senior vice president of research and development at Volvo Cars.

The AWD optimisation is engaged simply by selecting the Dynamic drive mode, or when Electronic Stability Control is disengaged.

The new rear-wheel torque distribution feature adds another optimisation area to the latest Polestar software upgrade. The five existing areas include sharper throttle response, faster off-throttle response, quicker gear changes, optimised gearshift points and in-corner gear holding, as well as increased engine output.

The Polestar AWD optimisation will be available for petrol and diesel models of Volvo 90 Series, 60 Series and XC40 cars, from August 2018 onwards.

Notes to editors:

Applicable to all new Volvo cars built on SPA and CMA architecture from model year 2019 onwards and which feature all-wheel drive (excluding plug-in hybrid variants).

Plug-in hybrid models including T8 Twin Engine and T6 Twin Engine derivatives, which feature an electric rear axle drive (ERAD) system that utilises electric power only on the rear wheels, already provide a rear-drive bias and do not require further AWD optimisation.

In Europe, Polestar optimisation software is WLTP-compliant and forms part of the Certificate of Compliance.

Polestar optimisations retain all Volvo factory warranties and are manufacturer approved.

---

### **Volvo Car Group in 2017**

*For the 2017 financial year, Volvo Car Group recorded an operating profit of 14,061 MSEK (11,014 MSEK in 2016). Revenue over the period amounted to 210,912 MSEK (180,902 MSEK). For the full year 2017, global sales reached a record 571,577 cars, an increase of 7.0 per cent versus 2016. The results underline the comprehensive transformation of Volvo Cars' finances and*

operations in recent years, positioning the company for its next growth phase.

### **About Volvo Car Group**

*Volvo has been in operation since 1927. Today, Volvo Cars is one of the most well-known and respected car brands in the world with sales of 571,577 cars in 2017 in about 100 countries. Volvo Cars has been under the ownership of the Zhejiang Geely Holding (Geely Holding) of China since 2010. It formed part of the Swedish Volvo Group until 1999, when the company was bought by Ford Motor Company of the US. In 2010, Volvo Cars was acquired by Geely Holding.*

*In 2017, Volvo Cars employed on average approximately 38,000 (30,400) full-time employees. Volvo Cars head office, product development, marketing and administration functions are mainly located in Gothenburg, Sweden. Volvo Cars head office for China is located in Shanghai. The company's main car production plants are located in Gothenburg (Sweden), Ghent (Belgium), Chengdu and Daqing (China), while engines are manufactured in Skövde (Sweden) and Zhangjiakou (China) and body components in Olofström (Sweden).*

### **Keywords:**

Technology, Press Releases, Connectivity, Electrification, Polestar

---

Descriptions and facts in this press material relate to Volvo Cars' international car range. Described features might be optional. Vehicle specifications may vary from one country to another and may be altered without prior notification.

## Related Images



[More Images >](#)

[media.volvocars.com >](http://media.volvocars.com)

[volvocars.com >](http://volvocars.com)

Copyright © 2025 Volvo Car Corporation (or its affiliates or licensors).