



Innovative Vehicle Technology

PRESS RELEASE

Haldex AWD system presented by Volvo Car Corporation at Paris Motor Show 2000

Volvo Car Corporation presents Haldex AWD system as one of the key systems in a new concept car at this year's Paris Motor Show.

The car, presented by Volvo as "Volvo Performance Concept Car", is a study of a future high-performance car based on the new Volvo S60 with a strong focus on driving dynamics and safety.

The new Volvo S60 is the sportiest and most dynamic Volvo sedan ever. In parallel with the development of the standard Volvo S60 models, a Volvo NVE-team (Niche Vehicle Engineering Team) has worked on a concept study to identify and test technical solutions for a potential future high-performance model.

Haldex has, in close co-operation with Volvo, developed the driving dynamics of the car, utilising the unique qualities of the Haldex AWD system to optimise the driving characteristics of the car.

Haldex AWD-system is connected to the car's CAN communication system which means that it communicates on-line with other electronically controlled systems in the car to continuously optimise the all-wheel-drive performance of the car depending on the current driving conditions. The controllability of the Haldex AWD system provides the unique possibility to balance and control oversteering and understeering of the car with great precision and stability.

The Volvo Performance Concept Car is also equipped with an advanced active chassis system, FOUR-C (Continuously Controlled Chassis Concept). With the unique interaction between Haldex AWD-system and FOUR-C, Volvo has managed the co-operation between two individual systems to provide extraordinary advantages in the performance of the car.

Volvo selected Haldex as development partner for the concept car because of Haldex position as a market leader of advanced all-wheel-drive technology, both concerning AWD system performance and engineering development capability.

"In this application Volvo does not use the all-wheel-drive for enhanced off-road ability, but for advanced roadholding, dynamic stability and enhanced safety. This application confirms the potential with our AWD system" says Ulf Ahlén, President of Haldex Traction Systems, a division in the Haldex Group.

Haldex is a global supplier of proprietary products for trucks, cars and industrial vehicles, with special emphasis on performance & safety. The Group is listed on the Stockholm Stock Exchange and has yearly sales of 6 BSEK with 4,400 employees. The Group has sales companies in Europe, North & South America and Asia. Production takes place at 8 factories in Europe and 8 in the U.S. as well as in India and Brazil.

For further information contact Claes Warnander CEO, or Lennart Hammargren, CFO Haldex AB (phone +46 8 678 72 70).

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