

P R E S S R E L E A S E

Autoliv introduces high performance reversible seatbelt system

Shows significant advantages in multiple collision impacts

(Stockholm, Sweden, 15 June 2009) – – – Autoliv Inc. – the worldwide leader in automotive safety – presents a new safety system innovation at the 21st Conference Enhanced Safety of Vehicles (ESV) in Stuttgart, Germany. It is a new high performance reversible pre-pretensioner system for seatbelts that resets itself automatically after triggering. During a multiple collision impact, the high performance system will pull back the occupants during the usually softer first impact to allow more optimum protection from the airbags and seatbelts in secondary impacts.

The enhanced system is a pneumatically actuated reversible seatbelt pre-pretensioner. The belt pretensioning force comes from a compressed air motor and generates more than twice the tension forces provided by conventional electric pre-pretensioners. The higher force significantly improves the performance especially in multiple impact collisions. During the first impact, which can be relatively soft and without an airbag deployment, the occupant is pulled back into an up-right, safe position, thanks to the high force applied from the pneumatic pretensioner. With such a seatbelt system the occupant can be considerably better positioned for the second, more violent, impact when the airbag deploys for additional occupant protection.

Autoliv accident research data indicates that 25% of all accidents are of multiple impact nature. They result in a 3-times higher risk for significant injuries to vehicle occupants and a 4-times higher risk for fatal injuries.

Studies by Autoliv Research indicate that the average time-gap between the first and the second impact is approximately one second. Thanks to the higher force (300N) of the pneumatic system the pre-pretensioner needs only 0.36 seconds to pull the occupant back into a near upright position. The higher force will allow the seatbelt to pull back the occupant in 90% of the cases before a potential subsequent impact.

Interested participants can experience the performance of the pneumatic seatbelt pretensioner in a demo car at the ESV-conference. Two other pneumatically reversible safety functions are also shown in the demo-car: A hood lifter for pedestrian protection and a seatbelt buckle presenter which makes it easier to attach the belt when buckling up.

The ESV conference is the largest worldwide and most important congress on car safety and takes place every second year in different locations around the globe. The ESV program was founded in 1968 on the initiative of the U.S. National Highway Traffic Safety Administration (NHTSA) aiming to reduce the traffic fatalities.

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PRESS RELEASE

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About Autoliv

Autoliv Inc., the worldwide leader in automotive safety systems, develops and manufactures automotive safety systems for all major automotive manufacturers in the world. Together with its joint ventures, Autoliv has ~80 facilities with ~34,000 associates in 31 countries. In addition, the Company has 13 technical centers in 11 countries around the world, including 21 crash test tracks, more than any other automotive safety supplier. Sales in 2008 amounted to US \$6.5 billion. The Company's shares are listed on the New York Stock Exchange (NYSE: ALV) and its Swedish Depository Receipts on NASDAQ OMX Stockholm (SSE: ALIV SDB).

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