



Allison Transmission expands Torqmatic® transmission range

Indianapolis – In response to increased global demand for automatic transmission solutions for bus and coach applications, Allison Transmission has realigned its Torqmatic® product portfolio to include three new transmission models, each reflecting the hardware and software developments that offer fleets increased fuel efficiency.

Allison's new T1000, T2100 and T2200 fully automatic transmission models replace existing 1000, 2100 and 2200 models available for mini bus, midi bus and coach applications across Europe, Asia-Pacific, Australia and Latin America. The expansion of the Torqmatic product family provides customers with a complete range of Allison transmissions featuring the latest product enhancements, 5th Generation Electronic Controls and FuelSense® fuel-efficiency software.

“Allison engineers its products to deliver tailored vocational solutions to OEMs and end-customers around the world. The new T1000, T2100 and T2200 transmissions feature advanced technologies to deliver reliability and optimal fuel economy in bus and coach applications with engine ratings up to 201 kW (270 hp) and 780 N•m,” said Lawrence Love, executive director of Global Marketing at Allison Transmission.

Hardware Enhancements

The new T1000 and T2000 models feature a main transmission body designed for enhanced reliability and efficiency. Improved cooling flow has been achieved through a series of upgrades of internal components including the valve body. These changes enable the control system to continuously adjust transmission pressure for maximum fuel savings.

5th Generation Electronic Controls

Allison 5th Generation Electronic controls are engineered to match the new generation of global vehicle electrical-electronic architectures and for easy integration during the vehicle assembly process. This control system delivers optimal shift strategies for superior productivity and efficiency, in combination with software features that mitigate fuel consumption.

Containing enhanced End-of-Line programming and higher speed CAN bus compatibility, Allison engineers also focused on upgrading TCM hardware and software for faster, more precise processing capabilities. This generation of electronic controls provides two additional levels of acceleration management.

Embedded in the control module is a precise and responsive inclinometer, which provides accurate input for further refinement of shift schedules and fuel economy features. In addition, the system automatically selects between Economy and Performance shift schedules for further reductions in fuel consumption.

FuelSense

The FuelSense fuel-efficiency package, which incorporates 5th Generation controls, can deliver up to 20 percent fuel savings depending on duty cycle. Fleets opting for this solution can take advantage of **EcoCal** shift technology to keep engine speed at its most efficient level, **Dynamic Shift Sensing** to identify when low-engine speed shifts can be made based on vehicle load and



road conditions, **Neutral at Stop** to save fuel, reduce emissions, and enhance cooling when the vehicle is stationary, and **Acceleration Rate Management**, which controls engine fueling and moderates aggressive driving practices.

About Allison Transmission

Allison Transmission (NYSE: ALSN) is the world's largest manufacturer of fully automatic transmissions for medium- and heavy-duty commercial vehicles and is a leader in hybrid-propulsion systems for city buses. Allison transmissions are used in a variety of applications including refuse, construction, fire, distribution, bus, motorhomes, defense and energy. Founded in 1915, the company is headquartered in Indianapolis, Indiana, USA and employs approximately 2,700 people worldwide. With a market presence in more than 80 countries, Allison has regional headquarters in the Netherlands, China and Brazil with manufacturing facilities in the U.S., Hungary and India. Allison also has approximately 1,400 independent distributor and dealer locations worldwide. For more information, visit allisontransmission.com.

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