

Automated Is Not Automatic



The Advantages Of An Allison Automatic



Compare Allison Automatics To AMTs

Transmission Definition

Allison Automatics vs. Automated Manual Transmissions (AMTs)

A hydraulic torque converter couples the engine to a planetary-gear transmission providing uninterrupted, continuous power shifts.

AMTs use a standard manual gearbox with electrical or pneumatic clutch actuation resulting in torque interrupts and loss of power during shifts.

Productivity

Allison Automatics vs. Automated Manual Transmissions (AMTs)

Allison Automatics use our torque converter to keep the transmission continuously connected to the engine's maximum available output during each shift. The full-power shifts provide superior vehicle acceleration, allowing more work to be done in less time. Allison's customizable FuelSense® technology balances vehicle performance and fuel efficiency.

AMTs require a reduction of engine throttle at each shift causing torque interrupts. These interrupts result in more shifts and lower vehicle speeds, requiring more time to do the same job.

Maneuverability

Allison Automatics vs. Automated Manual Transmissions (AMTs)

Allison's torque converter creates an infinitely variable gear ratio allowing drivers to easily manage power to the wheels. Using just the accelerator pedal, drivers can control vehicle speed to smoothly creep with precision, maneuver more easily and have more control on grades. Allison Automatics provide the added benefit of protecting the driveline from shock, reducing vehicle wear and tear.

Without a torque converter, AMTs cannot deliver power to the wheels smoothly, creating more opportunities for spinning tires and inefficient operation. AMTs attempt to mimic the inherent capabilities of an Allison Automatic by promoting features such as Urge to Move, Creep Mode, Power Launch, Hill Assist and Blended Pedal at the expense of clutch wear and driveline failures.

Comfort

Allison Automatics vs. Automated Manual Transmissions (AMTs)

Allison Automatics provide Continuous Power Technology™ for maximum available engine output during shifting. This creates smoother, seamless, full-power shifts, providing superior driver and passenger comfort.

AMTs have torque interrupts at each shift, resulting in more frequent, harder shifts and increased discomfort.

Driver Recruitment and Retention

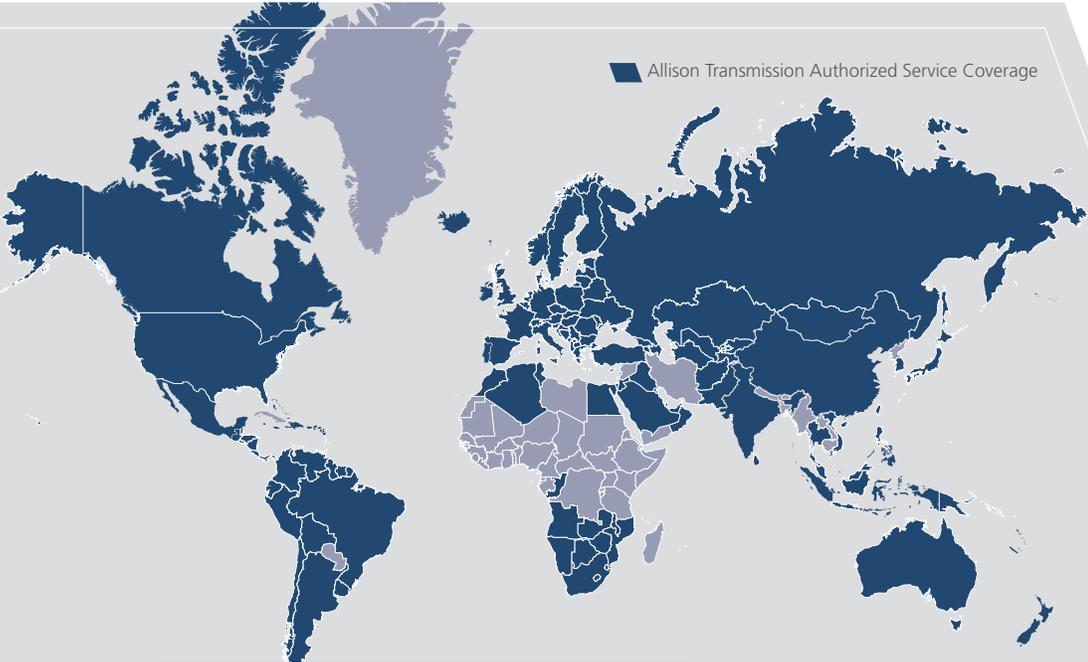
Allison Automatics vs. Automated Manual Transmissions (AMTs)

Allison Automatics reduce driver fatigue, increase driver retention and provide a more controllable environment for the driver and vehicle. One pedal operation allows the driver to easily maneuver the vehicle so attention can be focused on the job at hand.

AMTs add automatic-like features that attempt to mimic what an Allison transmission does inherently and automatically. AMT torque interrupts require more driver attention during vehicle maneuvers, reducing driver focus. AMTs also increase driver fatigue and provide a less controllable environment for the driver and the vehicle.

Allison Total Economic Value

Allison Automatic features inherently provide more revenue opportunities, better driver capability, less maintenance costs, higher vehicle resale value and better vehicle uptime compared to automated manual transmissions (AMTs).



■ Allison Transmission Authorized Service Coverage

A World Of Support

From our headquarters in Indianapolis, Indiana, USA, to our manufacturing plants in Hungary and India, to approximately 1,400 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts™.

One Allison Way
Indianapolis, Indiana, USA 46222-3271

Information or specifications subject to
change without notice or obligation.

allisontransmission.com

SA8168EN (2018/06)

© 2018 Allison Transmission Inc.
All Rights Reserved.

