

Unmatched Allison Reliability

Where You Need It The Most



Pupil Transport Series™





Industry-Leading Reliability

Student safety starts with durable and reliable transportation. When we introduced automatic transmissions, we immediately revolutionized school bus transportation by adding unmatched reliability to driver and student comfort. Allison fully automatic transmissions are built to last and require minimal service—meaning not only lower maintenance costs, but also more time on the road. School buses experience reduced downtime, allowing them to safely transport children to and from school.

Allison transmissions are designed to deliver unrivaled reliability and durability while helping to protect vehicle drivelines. By engineering and manufacturing reliable, fully automatic transmissions and propulsion systems, our customers experience reduced downtime. That is why Allison transmissions are the preferred choice for school and shuttle buses.

Today, nearly all large school buses in the U.S. are equipped with Allison transmissions. And thanks to superior reliability, durability and improved safety, a growing number of school systems around the world rely on Allison.





All Allison Pupil Transport Series™ transmissions come with industry leading transmission coverage.¹

¹ Please consult your Allison Sales Representative or an Allison Authorized Distributor/Dealer for more information. Details are subject to change.



Fully Automatic Advantage

Our patented Continuous Power Technology™ delivers smoother, seamless, full-power shifts and superior acceleration and startability. Each shift is made automatically when appropriate, allowing drivers to precisely manage performance and exercise superior vehicle control.

More Control

Allison offers several model choices, giving you ultimate control over selecting the features and power you need. Purchasing the right automatic transmission to transport your students is an important decision. With an Allison, not only are you choosing the industry leader, but you are choosing the transmission that has been proven for decades to work in the school bus industry.

Driver Benefits

Once behind the wheel of an Allison fully automatic-equipped vehicle, drivers are more alert and in tune with the vehicle, leading to increased driver retention and better safety records. Even experienced drivers benefit from more precise, safer handling and improved comfort.

Web-based and on-site training is available. To discuss further training, please contact your Allison Distributor.

Integral Retarder¹

The integral retarder available on an Allison transmission sets it apart from automated manual transmissions (AMTs). It helps the vehicle to slow down with less wear on the braking system. This results in greater control, maneuverability and optimized driving performance that will get you to your destination safely while minimizing brake usage.

Fail-Safe

Each Allison transmission is equipped with fail-safe controls. In the rare event of a failure, the transmission is designed to stay in gear, which allows it to continue operation, allowing the driver to move the vehicle to safety. With manual and AMTs, a vehicle could be stuck in place until help can arrive.

Prognostics

Allison prognostics monitor various operating parameters to determine and alert when service is due. This eliminates unnecessary fluid and filter changes and provides maximum transmission protection.

The Power Of The Torque Converter

Allison's torque converter smoothly multiplies engine torque, delivering more power to the wheels. By multiplying the engine power, drivers get increased performance, faster acceleration and greater operational flexibility. An Allison fully automatic transmission increases power while an automated manual transmission (AMT) loses power with every shift. An Allison Automatic eliminates power interrupts so you can accomplish more, even with a smaller engine.

Automatic Versus Automated Manual

While the manual clutch pedal is gone in an automated manual transmission (AMT), a mechanical clutch still facilitates the vehicle's launch. This mechanical clutch will wear and eventually burn out and need traditional maintenance and replacement, which means a vehicle spends more time being repaired and less time on the road.

Automated manual transmissions do not benefit from engine torque multiplication because engine torque must be controlled or limited to extend the life of the starting clutch, which limits vehicle performance.

Allison Automatics are unique because our patented torque converter experiences very little wear and our transmissions require only periodic fluid and filter changes to maintain peak performance. When maintenance is required, the Allison is easy to service, which gets your vehicle back on the road as soon as possible.





FUELSENSE® 2.0 with DynActive™ Shifting

Features

FuelSense® 2.0 presents new and upgraded FuelSense® features to provide even more precise balancing of fuel economy and performance:

DynActive™ Shifting—This new innovative shift scheduling uses an algorithm to choose the most efficient shift point, based on your specifications, vehicle and environmental parameters. Older shifting technologies use shift schedules with fixed shift points.

Neutral at Stop—This feature trims fuel consumption and emissions by reducing or eliminating the load on the engine when the vehicle is stopped. There are two versions of Neutral at Stop:

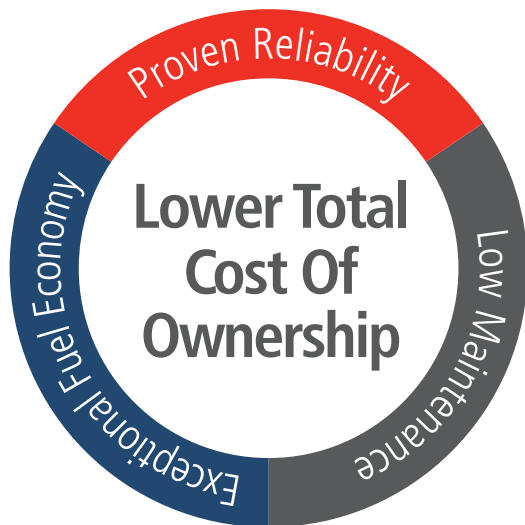
- Standard – Provides partial (first-level) neutral at stop.
- Premium – Provides full neutral at stop and a new, low-speed coasting capability.

Both versions lock the output while stopped to prevent rollback.

Acceleration Rate Management—A feature that mitigates aggressive driving by automatically controlling engine torque. Newly updated, in addition to five levels of control, it provides more precision by limiting vehicle acceleration to a customized calibrated rate.







The Best Route To Lower Cost Of Ownership

A fully automatic transmission from Allison, a trusted brand around the world, is the best way to keep your fleet on the road while reducing total cost of ownership. With extended periods between maintenance and a proven track record of reliability, Allison puts you in control of your fleet and of your budget. Additionally, you can experience an increase in fuel economy thanks to FuelSense®. Finally, Allison Automatics with Continuous Power Technology™ not only reduce vehicle wear and tear, but provide a safer, smoother and more comfortable rider and driver experience. From the route to the bottom line, Allison puts you in control.



SCHOOL BUS

EMERGENCY EXIT

STOP

WHEN

CA EXEMPT
1068186

0201

RED LIGHTS FLASH



The Allison Promise

Provide the most reliable and
valued propulsion solutions in
the world to enable our customers
to work more efficiently.

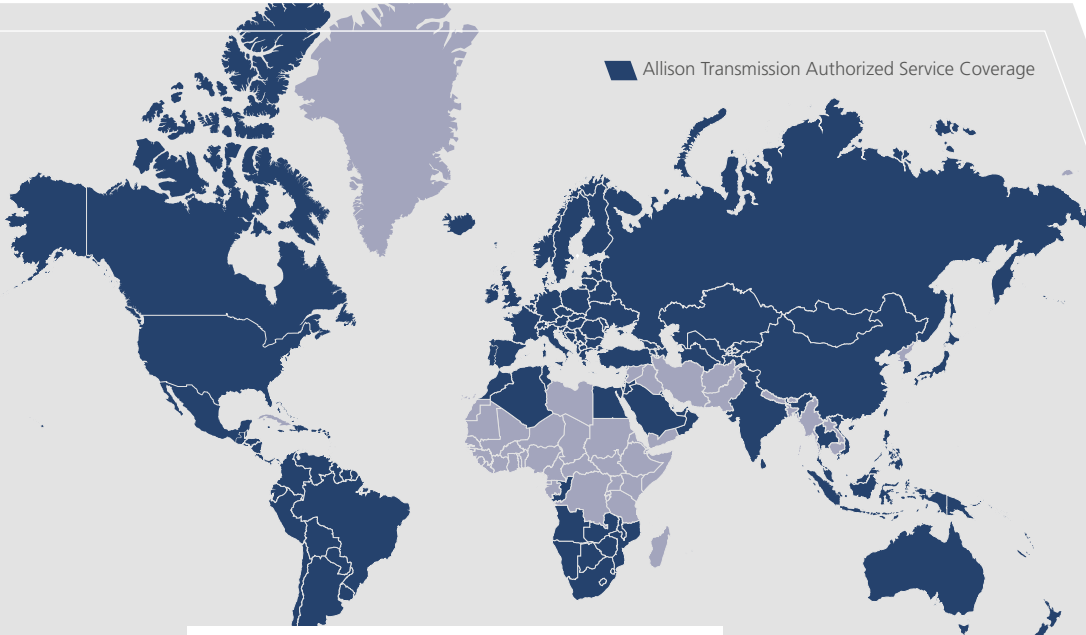
Quality

Customer Focus

Integrity

Innovation

Teamwork



■ 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™.

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allisontransmission.com

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