

# Unmatched Allison Reliability Where You Need It Most



The Allison Pupil Transport Series™





## Best In Class

Allison Transmission has built a reputation on its ability to manufacture transmissions that last. Allison Automatics are commercial-duty transmissions designed to withstand the rigors of heavy-duty usage and engineered to meet the demands of your particular fleet while providing outstanding value.

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## **A DUAL CLUTCH TRANSMISSION (DCT) IS NOT A SUITABLE ALTERNATIVE TO AN ALLISON FULLY AUTOMATIC TRANSMISSION**

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## Industry-Leading Heritage

Student safety starts with durable, reliable transportation. When we introduced our fully automatic transmission, we immediately revolutionized school bus transportation by adding unmatched reliability to driver and student comfort.

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

## Allison Automatics Offer FuelSense®

FuelSense® is the next generation in fuel-savings technology from Allison Transmission. It is a unique set of software and electronic controls that significantly improves fuel economy. Allison 5th Generation Electronic Controls are designed to increase fuel economy for the specific needs of a school bus.

## 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 precious cargo is an important decision. With an Allison, not only are you choosing the industry leader, you are choosing the transmission that has been proven for decades to work in the school bus industry.

Allison understands the importance of providing its customers with dependable and durable products that are easy and cost-effective to maintain year after year.

## Allison Advantages

- Continuous Power Technology™ increases performance and productivity in stop-and-go traffic, even with lower-rated engines
- Easy maintenance reduces downtime and costs with extended product life
- Helical gear design lowers noise emissions
- Greater safety and passenger comfort increase driver satisfaction
- Unmatched and proven reliability in school buses for decades
- The Allison Pupil Transport Series™ transmission comes with up to a five-year warranty

**Over 400,000 School Buses In Operation  
With An Allison Transmission**

# Allison Run Proven vs. DCT Unproven



PROVEN

## History *Allison Transmission*

Allison's fully automatic transmission was developed to deliver **reliable performance under the toughest, real-world conditions** from start-stop applications to heavy-duty hauling.

vs. **No History**

## *Dual Clutch Transmission*

The DCT was originally **designed for automobiles** to simulate the smooth start up of the fully automatic transmission. This manual transmission-based technology had limited success in automobiles and has **no real track record** in the commercial-duty workplace.

PROVEN

## Fail-Safe *Allison Transmission*

In the event of a failure, Allison's unique fail-safe controls are **designed to stay in gear**. This allows a vehicle to **continue operation** and get the driver, passengers and the school bus safely off the road.

vs. **Fail**

## *Dual Clutch Transmission*

In a DCT failure mode, the transmission defaults to neutral, potentially leaving the **driver, passengers and school bus stuck** in an **undesirable situation** waiting for a wrecker to remove the failed vehicle from the road.

PROVEN

## Effortless Starts *Allison Transmission*

Allison's torque converter smoothly multiplies high engine torque providing a **smooth, wear-free vehicle start up**.

vs. **Starting Clutch**

## *Dual Clutch Transmission*

DCTs rely on a clutch to start vehicle movement. This process is **very similar to a manual transmission** and is **not proven** in rigorous, high start-stop applications.

PROVEN

## Enhanced Productivity *Allison Transmission*

An Allison fully automatic transmission with torque converter **accelerates quicker** and delivers a higher average speed that translates **into more trips and better productivity**. Less downtime due to repair also ensures your school buses spend more time on the job.

vs. **Productivity Slips**

## *Dual Clutch Transmission*

A DCT **attempts to replicate** the reliable, smooth power of a fully automatic transmission. It does not multiply engine torque at start, and **power is interrupted** in top ranges, which **decreases performance**. A DCT's unproven technology could make your school bus fleet **unproductive** if it's in the shop instead of on the road.

PROVEN

## Fuel Economy *Allison Transmission*

Allison's innovative FuelSense® software and electronic controls have been proven **to increase fuel economy by up to 20%** depending on application and duty-cycle.

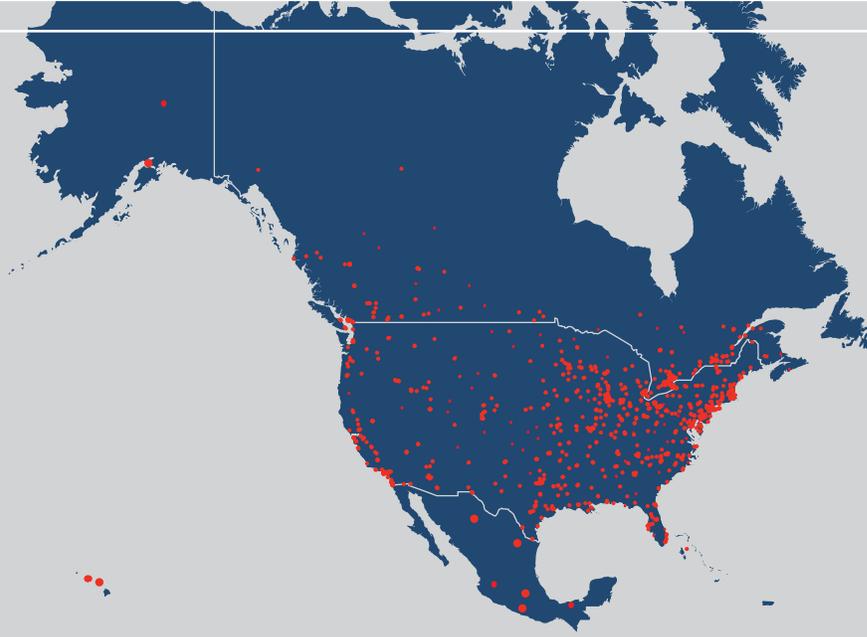
vs. **Fuelish**

## *Dual Clutch Transmission*

Based on analysis and testing of the DCT, **an Allison Automatic with FuelSense® is expected to deliver better fuel economy than a DCT** in real-world duty-cycles.

## Nothing Makes The Grade Like An Allison Automatic

The Dual Clutch Transmission (DCT) is the latest attempt to copy what an Allison already does ... provide reliable, powerful performance for commercial-duty start-stop cycles. Developed to act like a fully automatic transmission, the DCT is unproven to stand up under the stress and strain associated with school bus use.



## Allison Has You Covered

We provide a dense network of approximately 1,100 Allison Authorized Distributors and Dealers in North America, giving customers peace of mind that they can access convenient and responsive support when and where they need it.

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Indianapolis, Indiana, USA, 46222-3271*

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[allisontransmission.com](http://allisontransmission.com)

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