



Truck RV Series™



Confidence on
the Open Road

Proven Reliability

Allison transmissions are designed to deliver unrivaled durability and smooth operation for driver comfort and ease. Each transmission selects the optimum shift points based on load and terrain to automatically enhance fuel savings or add more power when needed.

Startability

Our 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.

Maintenance Made Easy

A fully automatic transmission from Allison is the best way to keep your vehicle 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.

Drive With Confidence

Today's drivers are less familiar with operating manual transmissions. This is not a problem with an Allison Automatic. Even experienced drivers can benefit from better focus, more precise handling and improved comfort. Once behind the wheel, drivers are more alert and in tune with the vehicle, leading to improved operation.

Comprehensive Coverage

All Allison Truck RV Series™ models offer two-year Standard Warranty with 100% parts and labor. An additional three years of Extended Coverage is also available. Coverage may vary by model and details is subject to change. Please contact your Allison Sales Representative or an Allison Authorized Dealer or Distributor for more information.



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 and faster acceleration. An Allison fully automatic transmission increases power, while a manual or 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.

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.

Manual and 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 experience 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.

Allison Transmission Truck RV Series™

Ratings

Model	Serial Number	Ratio	Max Input Power ¹	Max Input Torque	Max Input w/SEM Torque Limiting ^{1,2}	Max Turbine Torque ³	MAX GVW	MAX GCW
			hp (kW)	lb-ft (N•m)	lb-ft (N•m)	lb-ft (N•m)	lbs (kg)	lbs (kg)
3000 TRV	6510	Close Ratio	310 (231)	950 (1288)	N/A	1700 (2305)	—	40,000 (18,144)
3200 TRV	6510	Close Ratio	450 (336)	1200 (1627)	1250 (1695)	1700 (2305)	—	—
4000 TRV	6510	Close Ratio	600 (447)	1850 (2508)	N/A	2800 (3795)	52,000 (23,587)	72,000 (32,659)

1 Gross ratings as defined by ISO 1585 or SAE J1995. 2 SEM = engine controls with Shift Energy Management.
3 Turbine torque limit based on iSCAAN standard deductions.

Truck RV Series™ Features and Advantages

Shift Energy Management (SEM) torque limiting
Ratings up to 450 hp/1250 lb-ft on 3200 TRV.

Prognostics
Eliminates unnecessary oil and filter changes by monitoring various operating parameters to determine and alert when a specific maintenance function is required.

Neutral At Stop
Automatically eliminates the load on the engine when the vehicle is at a full stop to save fuel and reduce overall vehicle emissions.

Acceleration Rate Management
Mitigates aggressive driving by controlling engine torque based on the vehicle’s grade and load.

EcoCal
Provides lower shift points to get into lock up as soon as possible, providing necessary performance without shift cycling.

Truck RV Series™

Allison Truck RV Series™ automatic transmissions are specifically designed to provide more power and more performance for truck recreational vehicles.

Typical Vehicle Applications

Truck-Based Recreational Vehicles
Class 6–8 Type C Motorhomes



3000 TRV,
3200 TRV



4000 TRV

Keep Your TRV Going in the Right Direction

Allison's prognostic features are built into every transmission, making it even easier to maintain your vehicle. This software takes the guesswork and hassle out of scheduling routine vehicle maintenance to save you time and money while providing maximum protection for the transmission.

Calibrated to the vehicle's particular operating requirements, Allison prognostics monitor various operating parameters to determine and alert when service is due. When you use Allison approved TES 668® transmission fluid, you get maximum protection and operational performance.



Total Cost of Ownership

When you factor in all lifecycle costs (vehicle purchase price, fuel, tires, preventive maintenance, component repair and resale value) an Allison Automatic-equipped vehicle costs less per mile* to operate than a comparable competitively equipped vehicle.

*Fuel savings based on duty-cycle; results may vary. Baseline for comparison is a comparable Allison product with 4th Generation Controls and no fuel economy features.

Automatically Fuel Efficient

FuelSense® 2.0 with DynActive® Shifting is the next generation in fuel savings from Allison Transmission. It is a unique set of software and electronic controls that improves fuel economy. Allison 6th Generation Electronic Controls are designed to increase fuel economy for the specific needs of any application and feature easy-to-read graphic displays that show both text and symbols.

A World of Support

From our headquarters in Indianapolis, Indiana, USA, to our manufacturing plants in Hungary and India to approximately 1,600 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support they 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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