

SAF-T-LINER®  
C2



BECAUSE EVERY MILE MATTERS™



LIFT HANDLE  
PUSH OUT TO OPEN



## A bus that goes beyond

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State-of-the-art BusWise® Technologies. Zonar® remote fleet management. The ultra-efficient DD5™ engine. These are just a few of the innovations that define the Saf-T-Liner® C2 from Thomas Built Buses.

Why do we constantly challenge ourselves, pushing beyond what we thought possible, to create the most advanced and intelligent school bus innovations on the market?

One word: **safety.**

Ever since we began manufacturing school buses, safety has been our guiding star. It's a force that drives all of us, from the engineers who designed the C2 to the technicians who build quality and care into each bus we make.

Safety is the reason smart innovation is at the heart of every aspect of the C2. Our enhanced visibility gives drivers added confidence on the road. Our efficient engines reliably transport kids to and from school. Our sustainable manufacturing helps improve the safety of the environment. All in a bus that reduces the total cost of ownership, allowing school districts to offer the safest transportation possible for years to come.

The C2 is built for the children of today – and the children of tomorrow. We're driven to protect them every step of the way, because it's children who drive the future.



# Designed with drivers in mind

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It's a fact: the more confident and alert bus drivers feel, the more safely they drive. That's why we designed the C2 to be the most ergonomic and intuitive driving experience possible – with enhanced visibility, driver-friendly design and state-of-the-art technology.

## DRIVER-FRIENDLY DESIGN

Drivers come in all shapes and sizes. The C2 was designed for all of them, with a flexible, ergonomic driver environment including additional legroom and optional adjustable pedals, telescoping steering wheel and tilt.



## THE C2'S DRIVER-FRIENDLY FEATURES INCLUDE:



A non-reflective instrument panel with easy-to-read and LED-backlit gauges



Automotive-style temperature controls



A multiplex-wired Smart Switch system designed to meet drivers' switch preferences without re-wiring



Switches placed at optimum angles for easy access and use



## ENHANCED VISIBILITY



25% improved visibility  
versus the typical Type C bus

The C2 looks different because it is different. It was designed for maximum visibility and safety. The panoramic view, low sloping hood, low instrument panel and A-pillar windows result in the largest visibility footprint in the Type C category. The C2 also features large passenger windows that are easy to remove in case of an emergency.



A pre- and post-trip inspection switch to light up around the bus to make driver's job easier



Additional storage options, including overhead storage as standard

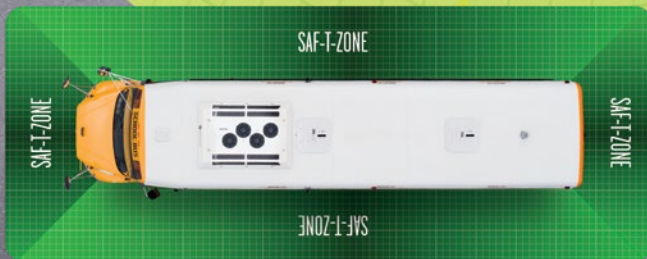


Stairwell can be coated with corrosion protection treatment with an LED light feature added



A wheel cut up to 55\* degrees for enhanced maneuverability. Bumpers are also available with corrosion protection.

\*depending on tire size



The PV360<sup>®</sup> multi-camera provides a 360° view of virtually everything surrounding the C2.

# Innovation was never more intelligent

When we originally launched the C2, we set a new standard for the school bus industry, and we work to set higher standards every day. From our fleet-wide telematics system to our PV360® 360° camera, every component of the Saf-T-Liner C2 represents the most advanced technology available.

## BUSWISE® TECHNOLOGIES

BusWise Technologies is a suite of advanced technologies combining the latest innovations in safety, efficiency, serviceability and fleet management. The system is customizable, allowing you to select the tools that fit your needs and budget.

### SAFETY

Enhanced driver awareness of surroundings helps ensure child safety. Features include:

- The PV360 360° camera
- The Mobileye N.V. warning system to prevent forward collision, pedestrian collision and lane departure
- A speed limit indicator and headway monitoring function

### EFFICIENCY

Remotely monitor every C2 in your fleet with Zonar web-based data management. The system can be customized with real-time alerts that monitor driver behaviors such as speeding or hard acceleration and keep track of other critical functions to improve your fleet's efficiency.

### SERVICEABILITY

The average bus is in service for 20 years. Outfitting your fleet with advanced maintenance technology can help you avoid excessive upkeep and reduce costs over the years. With BusWise, you can identify issues before they become serious, as well as automate your routine maintenance and perform real-time monitoring such as tire pressure and engine temperature.

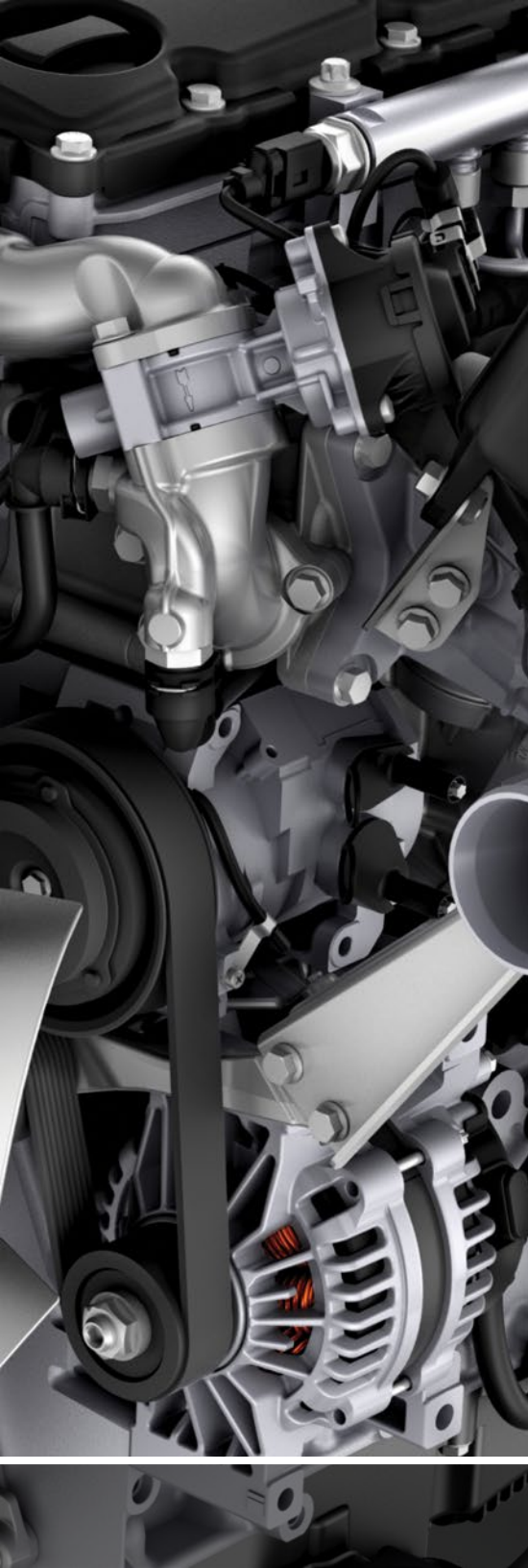


## ZONAR

Imagine being able to track the location, speed and fuel consumption of buses when they're on the road. This subscription-based system gives you real-time data on dozens of bus functions, allowing you to manage your fleet more efficiently than ever before.

Optional subscription services include instantaneous ridership reporting, so you know when each student enters or exits a bus, and driver performance monitoring, allowing you to train your drivers to be even better at their jobs.





# Higher performance meets lower maintenance

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From ultra-efficient engines to a proven, reliable transmission, Thomas Built Buses offers a variety of high-performance powertrain solutions for the Saf-T-Liner C2 designed to offer increased efficiency, uptime and performance.



## THE DETROIT™ DD5™

This medium-duty engine maximizes uptime with unsurpassed efficiency, exceptional endurance and the longest maintenance intervals in the industry. The DD5 is available with the Detroit Connect Virtual Technician.™ This subscription-based, remote diagnostic system instantly transmits data to the Detroit Customer Support Center, allowing C2 owners to make informed service decisions within minutes of an engine or after-treatment issue.



## CUMMINS ENGINES

Thomas Built Buses offers two Cummins® engine options for the C2. The Cummins B6.7 offers superior fuel economy and reliable performance. The B6.7N provides a compressed natural gas alternative for fleets utilizing CNG.



## DRIVEFORCE 8.0L

The DriveForce 8.0L Liquid Propane Gas engine is available for propane-based fleets.





**ALLISON TRANSMISSION**

The C2's ultra-efficient Allison transmission comes standard with Allison FuelSense®, a set of speed shift schedules designed to maintain optimum engine speed, as well as Dynamic Shift Sensing, which automatically adjusts the shift schedule for optimum fuel economy and performance.

**ZONAR TECHNOLOGIES**

The C2 is standard-equipped with Zonar Technologies, including Ground Traffic Control, a subscription-based application that remotely monitors driver behavior, such as hard braking and acceleration, to increase fleet efficiency.

C2 ENGINE OPTIONS	HORSEPOWER	TORQUE	MAINTENANCE INTERVALS
<b>Detroit DD5 Engine</b>	200 – 240 hp	560 – 660 lb-ft	Up to 45,000mi*/72,000km/1,500hrs/18mo
<b>Cummins B6.7</b>	200 – 260 hp	520 – 660 lb-ft	Up to 15,000mi/24,000km/500hrs/12mo
<b>Cummins B6.7N</b>	200 – 240 hp	520 – 560 lb-ft	Up to 15,000mi/24,000km/500hrs/6mo
<b>DriveForce 8.0L LPG</b>	339 hp	495 lb-ft	5,000mi/8,064km

\*Or either 18 months or 1,500 hours, whichever comes first.

**ADDITIONAL SAFETY FEATURES**

The C2's powertrain components also aid in school bus safety.

- The Detroit™ Connect system facilitates quick decision making when an engine problem occurs, such as allowing a driver to decide whether to continue driving or stop the bus.
- The Optional DD5 compression brake provides exceptional braking power, reducing excessive wear and tear on traditional brakes.
- Meritor WABCO Electronic Stability Control (ESC) intervenes automatically when sensing instability that could lead to rollover or loss of bus control.



## Reliability comes standard

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At Thomas Built Buses, we know that every school system wants to maximize its transportation budget. The design and build of the Saf-T-Liner C2 reflects our commitment to reducing your total cost of ownership by offering the most durable and reliable bus construction possible.

- A combination of adhesives and self-piercing rivets creates incredibly flexible joints with a strength that significantly exceeds FMVSS/CMVSS standards.
- Double-bolted body mounting clips strengthen the structural integrity of the body and chassis mating.
- Bonded windshield and stationary glass provide increased visibility and structural support.
- Our Saf-T-Net construction was designed to extend the life of the bus body and the safety of its passengers with extended roof bows and a rafter system that create a cage-like design. Extended roof bows go 3" below the floor line for enhanced durability in the event of a crash and reduces intrusion into the interior of the bus.
- Side skirt reinforcement provides additional protection from side impacts.



### **MULTIPLEX WIRING SYSTEM**

A multiplex wiring system makes it easier to diagnose electrical faults and add optional equipment. Onboard computers capture fault data and relay it to the instrument cluster in the dash, alerting the driver to any issues. Data can also be downloaded into Freightliner DiagnosticLink® software for diagnosis by a service technician.

All wires are colored and numbered for easy identification, and connections are mated to reduce guesswork. Technicians can't inadvertently plug the wrong connection into an outlet. Switches can be added or moved without reprogramming by a dealer. In short, your bus will spend less time in the shop and more time on the road.

### **ZONAR TECHNOLOGY**

The Zonar telematics system helps take the guesswork out of fault codes. It can provide up to five diagnostics at a time for 28 different body features on the bus, such as the stop sign/cross gate, DEF tank levels, lift activation and rear door status.

### **WARRANTY**

Thomas Built offers a base bumper-to-bumper warranty of three years or 50,000 miles on the Saf-T-Liner C2. This warranty covers the chassis, electrical and manual controls, safety equipment, assemblies and more. Normal wear items are excluded. Extended warranty packages are also available.

### **CORROSION PROTECTION**

Rust and corrosion can severely impact your bottom line. Our FleetShield™ protection program offers three specialized, high-performance coatings designed to protect the most vulnerable areas of your buses, such as bumpers, stepwells and fuel tanks. With FleetShield, you can customize protection, increase durability and reduce maintenance and repair costs.

Thomas Built Buses also implements several manufacturing practices to decrease corrosion, such as galvanizing the entire rear door and twice-priming all welds.

# The ultimate in customer support

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Keeping your buses up and running is vital to reducing costs and improving overall fleet management. At Thomas Built Buses, our customer service program is a multi-function tool designed to keep your buses in top condition. Whether you need repairs, parts, training or advice, our facilities and service are easily accessible. We are 100% committed to taking care of you.

## PLATINUM SUPPORT

Welcome to the ultimate Thomas Built Buses customer service experience – Platinum Support. This program begins with a rigorous dealer training program that focuses on best practices for rapid diagnosis, responsive turnaround and clear communication, ensuring that customers receive best-in-class service.

Our customers reap many benefits from Platinum Support, including reduced costs, fast repairs and timely communication. This reduces downtime and lowers vehicle lifecycle costs. When your dealership is Platinum Support certified, the service you receive will always reflect the Thomas Built culture of continuous improvement.

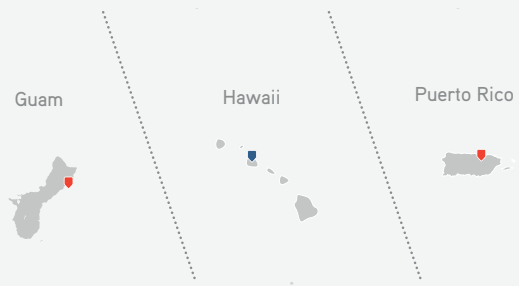


## CUSTOMER ASSISTANCE CENTER

If you have a service question, contact the Thomas Built Customer Assistance Center. Our dedicated bus technicians and engineers can provide information, connect you with a dealer with expertise in state-specific requirements or walk you step-by-step through the process. We're here to help, so please don't hesitate to contact us.

## PARTS AVAILABILITY

Parts availability is crucial to maximizing uptime. At Thomas Built Buses, we want buses back on the road as quickly as you do. For fast fulfillment, we have eight Parts Distribution Centers (PDCs) across the country. Our rigorous inventory management systems keep dealers stocked with need-it-now and mission-critical parts, and parts can typically be delivered to dealers within 24 hours if ordered before 4 p.m.



**DEALER SERVICE CENTERS**

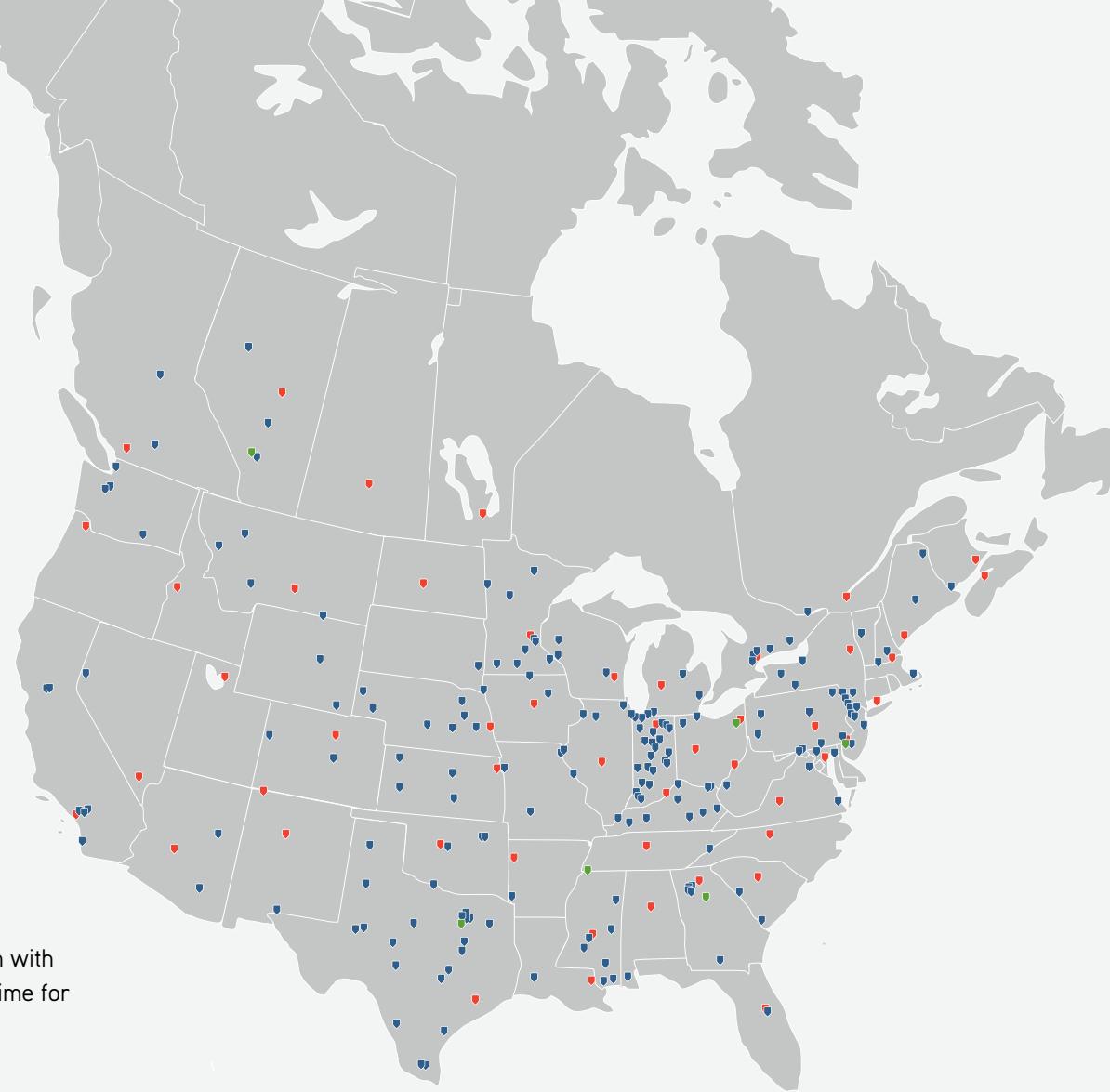
We have close to 250 dealer/service locations throughout the U.S. and Canada, and we're always ready to handle any service request, no matter how small.

**THOMAS BUS INSTITUTE**

Our training certification courses offer hands-on training and 28 credit hours of continuing education in less than a week. Participating technicians will return to your operation with knowledge and expertise that can dramatically increase uptime for your fleet.

**FINANCING**

Whether you own and operate one bus or an entire fleet, Daimler Truck Financial has a financial solution for you. Our dedicated and experienced financing staff can help ease your budgetary concerns and assist you with acquiring the buses you need today. Our quick and simple process allows you to focus on providing safe, reliable transportation.



- Dealer Headquarters
- Parts/Service
- Parts Distribution Centers

# The real deal: total cost of ownership

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The purchase price of a bus is only the beginning. Multiple factors determine your total cost of ownership. It's vital to weigh all associated costs before making your purchase decision, especially when you consider that many school systems keep buses for up to 20 years. The Saf-T-Liner C2 can reduce your total cost of ownership in the following ways:



## FUEL COSTS

The C2's engine and transmission are designed to keep your bus operating at extremely efficient levels. The Detroit™ DD5™ engine offers superior fuel efficiency, and the Cummins® B6.7 engine combined with the Allison Transmission FuelSense® system helps drivers maintain optimum engine speed, better manage shift points and improve vehicle performance. Thomas also incorporates weight-reducing construction techniques, including the use of adhesives and welding. Customers also have the option of activating Zonar® service, a subscription-based telematics system that assists with driver training to minimize hard braking and acceleration.



## OPERATIONAL COSTS

A Zonar system can also help reduce operational costs by alerting technicians to maintenance issues so they know exactly what services are needed when a bus returns to the shop. Thomas Built buses are constructed with easy access to engine and fluids, making repairs and maintenance far more efficient. Our state-of-the-art corrosion protection options can also significantly decrease operational expenses over the years.



## INVESTMENT COSTS

Daimler Truck Financial can help you reduce your total cost of ownership by replacing older buses with newer, more efficient models, which will decrease fuel and maintenance costs over the long term.

For a total cost of ownership assessment, visit our website at <https://thomasbuiltbuses.com/bus-advisor/cost-of-ownership/> and contact your dealer to discuss your specific needs.





Because every mile matters.<sup>SM</sup>

**Daimler Truck Financial**

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