SAF-T-LINER®

C2

Thomas BUILT BUSES

BECAUSE EVERY MILE MATTERS℠

LIFT HANDLE
PUSH OUT TO OPEN

A bus that goes beyond

State-of-the-art safety technologies. Cutting-edge telematics solutions. The zero-emissions, all-electric Jouley. These are just a few of the innovations that define the Saf-T-Liner® C2 by 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 that 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.

It's a commitment that we know all school districts share. That's why we've also designed the C2 to reduce your total cost of ownership (TCO). Lower fuel, operational and investment costs over the lifetime of your buses enable you 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

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.

DRIVER-FRIENDLY FEATURES

A non-reflective instrument panel features easy-to-read, LED-backlit gauges

Saf-T-Zone Pedestrian Detection alerts warn drivers via tablet when pedestrians enter the danger zone

Intellipark parking brake technology helps prevent rollaway crashes due to drivers exiting their vehicles without setting the brake

A multiplex-wired Smart Switch system offers easy access to switches and is designed to meet drivers' preferences without re-wiring

ENHANCED VISIBILITY

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.

25% improved visibility versus the typical Type C bus

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 and 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

PV360 mirror display

The NS PV360® multi-camera provides a 360° view of virtually everything surrounding the C2.

Safety has never been so smart

Every Thomas Built bus is designed with the highest standards of safety in mind. The C2 is no different. We are committed to offering the smartest, most innovative technologies that enhance driver awareness, make school bus operation easier and keep kids safe every day.

SAF-T-ZONE™ PEDESTRIAN DETECTION

This system uses alerts and high-frequency radars to help drivers avoid pedestrian accidents in the front, back and passenger loading side of a bus.

NS PV360

The NS PV360 camera system provides a bird's-eye view around a school bus to help the driver monitor pedestrians, objects and vehicles. Unlike other 360-degree camera solutions, the NS PV360 stitches together video feeds from each camera into one easy-to-view interface.

WABCO ONGUARDACTIVE™

This radar-based collision mitigation system enables collision warning, active braking and adaptive cruise control.

AUTO-REVERSING DOORS

Auto-reversing doors allow the front entry doors to reopen automatically if they sense an obstruction or passenger.

BENDIX INTELLIPARK®

In addition to the egonomic benefits, Intellipark parking brake technology makes the bus even safer. When a driver exits the vehicle without setting the brake, Intellipark engages to help prevent a rollaway collision.

STAGE 2 LIGHTS SAFETY SYSTEM

This lighting feature enables the bus driver to activate exterior lights at the front of the bus in order to alert students when it is safe to cross the road.

ELECTRONIC STABILITY CONTROL

Standard on the C2, this automated system detects when a school bus is unstable and corrects its path before a driver has the chance to react. Since this technology can assess the stability of a bus better than drivers can, it reduces the risk of accidents in unexpected road conditions.

MOBILEYE N.V. WARNING SYSTEM

The Mobileye® N.V. warning system helps to prevent forward collision, pedestrian collision and lane departure by issuing driver alerts through audio, visual and haptic signals. The system also features a headway monitoring function that helps indicate a safe following distance, as well as a speed limit indicator that automatically reads speed limit signs along the road.

Higher performance meets lower maintenance

Diesel and electric. No matter what powers your Thomas Built buses, you can count on our proven, reliable engines and our commitment to delivering ultra-efficient performance, industry-leading uptime and less maintenance.

THE DETROIT DD5

This medium-duty engine maximizes uptime with unsurpassed efficiency, exceptional endurance, fewer regens and the longest maintenance intervals in the industry. The DD5 is available with Detroit Connect® Virtual Technician™ remote diagnostic service.

THE CUMMINS B6.7

The high-performance, fuel-efficient Cummins B6.7 is also available for the C2. When you add the Zonar telematics option, OTAir™ makes it easy to update engine parameters anytime, anywhere – without having to visit a Cummins-certified service location.

PROTERRA ALL-ELECTRIC POWERTRAIN

The Saf-T-Liner® C2 Jouley® utilizes a state-of-the-art, battery-electric powertrain from Proterra® that offers all the performance, reliability and sustainability that you expect from Thomas Built Buses. An industry-leading battery and electric transit bus manufacturer, Proterra has proven its battery technology over millions of real-world, transit miles.

ALLISON TRANSMISSION

The C2's ultra-efficient Allison transmission comes standard with Dynamic Shift Sensing that automatically adjusts the shift schedule for optimum fuel economy and performance. It is also available with optional Allison FuelSense® technology, a set of speed shift schedules designed to maintain optimum engine speed.

OPTIONAL TELEMATICS SOLUTIONS FOR GREATER VISIBILITY AND CONTROL

For school bus fleets, the right data can help you increase efficiency, prevent downtime and keep costs low over the life of your school buses. Fortunately, getting the right data is easy with the right innovative, state-of-the-art telematics solutions.

Detroit Connect Virtual Technician Remote Diagnostic Service

Detroit Connect gives you greater visibility into your DD5-equipped C2s. This optional service allows you to remotely monitor a bus's engine in real time, automate routine maintenance and make informed service decisions within minutes of a fault event.

Zonar telematics

Optional on the C2, Zonar web-based data management enables you to remotely track the location, speed, fuel consumption and other critical functions of your buses. The system can also be customized to monitor driver behaviors such as speeding, excessive idling or hard acceleration to improve your fleet's efficiency.

POWERTRAIN OFFERINGS	HORSEPOWER	TORQUE	MAINTENANCE INTERVALS
DIESEL			
Detroit DD5 Engine	200 – 240 hp	560 – 660 lb-ft	Up to 45,000mi*/72,000km/1,500hrs/18mo
Cummins B6.7	200 – 260 hp	520 – 660 lb-ft	Up to 20,000mi/32,000km/750hrs/18mo
ELECTRIC			
Proterra Electric Powertrain	295 peak/181 continuous	1822 ft/lbs peak / 1200 ft/lbs continuous	Annual inspection**

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

**Specific maintenance needs may vary based on results of annual inspection

Jouley: the future of electric, right on schedule

The all-electric, zero-emissions Saf-T-Liner C2 Jouley is purpose-built for school districts that are ready to run greener today. Built on the same dependable chassis as the Saf-T-Liner C2, Jouley is engineered to move future generations for years to come—while also providing a quiet, safe ride, low operating costs and easy maintenance over the long term.

SAFETY MEETS SUSTAINABILITY

Jouely's all-electric design isn't just good for the planet. Beyond limiting exposure to emissions and improving air quality for all, Jouley has been extensively tested for safety. On Jouley, safety and sustainability come standard.

PROVEN PROTERRA BATTERY TECHNOLOGY

Every mile matters. That's why we partnered with Proterra, an industry leader that has proven its battery and drivetrain technology over millions of real-world, transit miles. Equipped with Proterra technology, Jouley provides the strong performance and superior range that districts need to move sustainability forward.

NAVIGATING THE ROAD TO ELECTRIC

It's easy to see your electric future, but it can be a challenge to get moving. We have your back. Thomas Built EV specialists at the Electric Bus Authority can help you navigate the twists and turns of electrification, including infrastructure, financing, operations and beyond. For the latest product updates and advice about going electric, visit the Thomas Built Buses website.

KEY SPECS	
Operating range	138 miles
Nominal charge time (with 60Kw DC charging station)	2-3 hours
Battery storage capacity	226 kWh
Peak horsepower	295 hp
Passenger capacity	Up to 81

STANDARD FEATURES

- DC fast charging for quick, efficient charging
- Telematics system for real-time fleet tracking, management and vehicle diagnostics
- Intellipark parking brake technology
- Saf-T-Anchor Removable Seat (S.T.A.R.S.) mounting system
- Bilateral vehicle-to-grid (V2G) capabilities

SCHOOL BUS
ELECTRIC BUS AUTHORITY
THOMAS BUILT BUSES
SM
JOULEY

Reliability comes standard

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.

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.

We also implement several manufacturing practices to decrease corrosion, such as galvanizing the entire rear door and twice-priming all welds. The optional severe-duty wire harness utilizes a braided shield for increased abrasion resistance. It also eliminates water traps that can lead to wire corrosion due to salt water.

The ultimate in customer support

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.

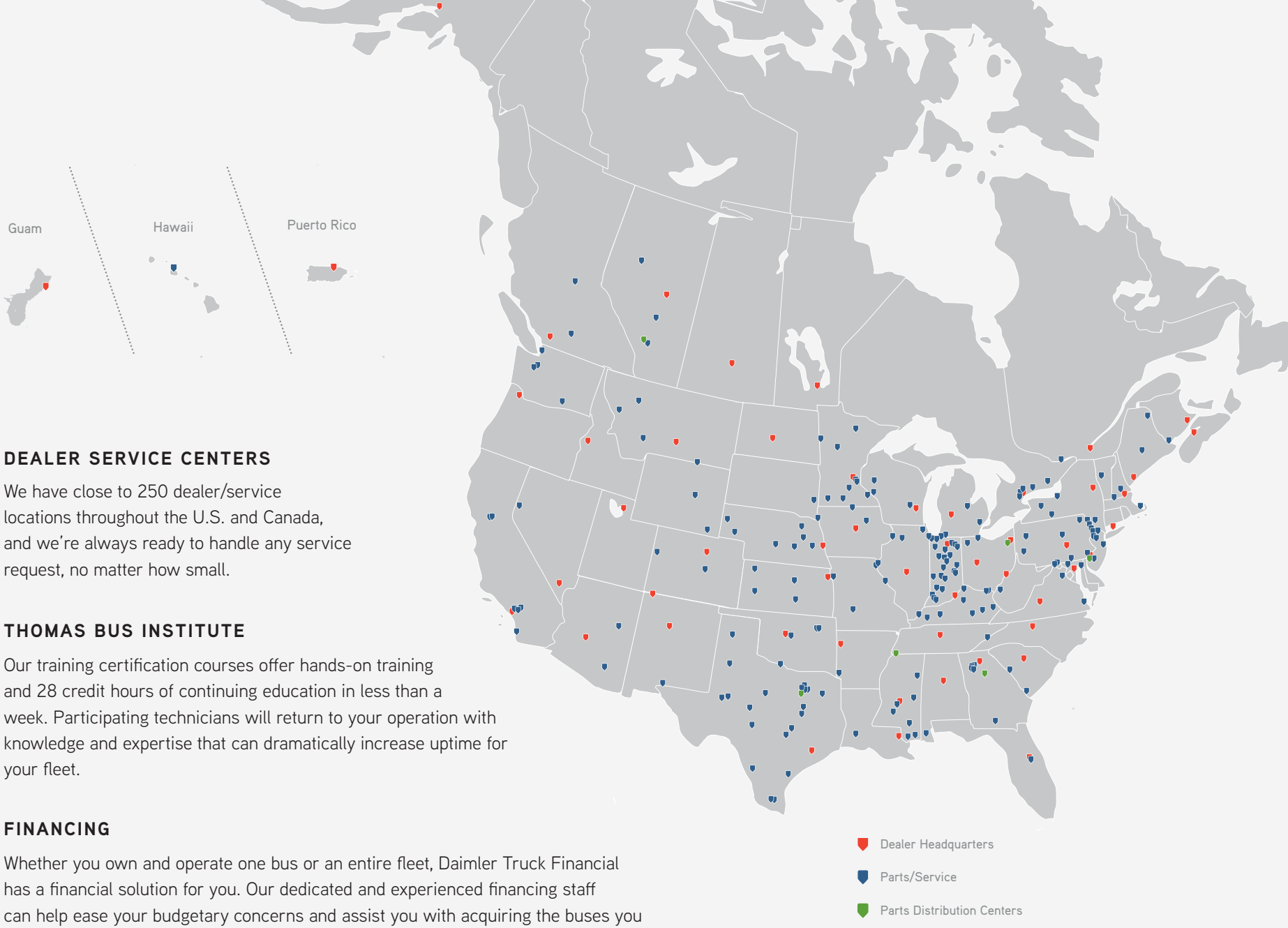
Our customers reap many benefits from Platinum Support, including reduced costs, fast repairs and timely communication. This reduces downtime and lowers vehicle lifecycle costs. When your dealership is Platinum Support certified, the service you receive will always reflect the Thomas Built culture of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

Because every mile matters.℠

Daimler Truck Financial

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