



PRODUCTS SERVICES GUIDE











American Omni Trading

AMERICUS TIRES

or 30 years, American Omni ■ Trading (AOT) has been a leading importer and marketer of high quality, value priced tires. From wheelbarrow to ATV, agricultural to OTR, touring to ultra-high performance, light truck to TBR, and everything in between, AOT provides its customers with the scope and flexibility they need to succeed. AOT tires come equipped with a No Questions Asked, 25/365 Free Replacement Limited Protection Policy, so whether your journey takes you through downtown streets, corn fields, or backwoods trails, AOT is ready to help drive your future.

The folks at AOT pride themselves on the quality of the brand's tires and its exceptional customer service team. The

business is built on strong customer relationships and a dedication to its values—integrity, passion, and professionalism. These values set the tone, help create AOT culture, and are fundamental to the company's success.

AMERICUS TIRES

Distributed exclusively by AOT. Americus offers a comprehensive line of light truck, SUV, CUV, and specialty commercial tires.

The Rugged A/TR is AOT's next generation aggressive all-terrain tire designed for your everyday commute and your off-road adventures. With advanced 3D siping technology, rigid interior tread blocks, and an enhanced 3PMSF tread compound, the Rugged A/TR provides exceptional handling on wet and dry surfaces, while the massive and studdable shoulder lugs drive through mud, snow, and ice with ease. Carrying an upgraded 50,000mile limited treadwear protection and

a No Questions Asked, 25/365 Free Replacement Limited Protection Policy on all sizes, the Rugged A/TR is ready for whatever path you follow.

The **Rugged A/T** is a premium all-terrain tire with a tread designed to maximize traction edges for excellent handling on- and off-road. A closed shoulder ensures confident handling in all conditions. Wide primary grooves and optimized siping technology provide maximum water evacuation for enhanced traction and stability. Carrying a 55,000-mile limited treadwear protection and backed by a Limited Protection Policy a Limited Protection Policy on all sizes, the Trac Grip M/T is ready to conquer anv terrain.

The Commercial LT is a commercialgrade light truck tire with multi-ply casing construction to handle heavy workloads. Its five-rib highwayoriented tread pattern allows for maximum trouble-free miles while its beefy, solid shoulder design resists scrubbing. Double steel belted plies provide puncture resistance and durability. The CLT is backed by a Limited Protection Policy on all sizes.

The ST Radial is the workhorse of the Americus lineup. This Specialty

> Trailer tire is designed with a micro-positioned fiber reinforced

belt package for extra strength and durability. The tread

design supports low rolling resistance and improved heat dissipation, enhanced hydroplaning resistance, and increased stability. The ST is backed by a Limited Protection Policy on all sizes.

MERICUS Built For The American Road

on all sizes, the Rugged A/T is ready to work.

The **Recon CUV** is designed for today's crossovers, SUVs, and light trucks. This all-season tire provides a guiet, smooth ride with confident handling and enhanced traction. The Recon CUV features multiple speed ratings and load carrying capacities for proper fitment. With a 60,000-mile limited treadwear protection and a Limited Protection Policy, the Recon CUV delivers the value and confidence you expect from Americus.

The Rugged M/T is a maximumtraction on- and off-road radial with an aggressive attitude. The open and tiered tread block elements ensure maximum traction in extreme conditions. The Rugged M/T is available in sizes up to 37 inches overall with wheel diameters up to 22 inches. Carrying the load is not an issue as the Rugged M/T is available in 12-ply ratings (some sizes). Backed by

25/365 LIMITED PROTECTION POLICY

All Americus tires are backed by a No Questions Asked, 25/365 Free Replacement Limited Protection Policy and an unbeatable mileage policy (where applicable). The policy fully covers (100%) all Americus brand radial passenger, light truck, and specialty trailer tires should one become unserviceable due to defective workmanship, materials, or road hazard during the first 25% of useable treadwear or one year from date of purchase, whichever occurs first.

> Find out more, visit www.americustire.com.

AMERICUS

RUGGED A/TR

The newly-upgraded Americus Rugged A/TR is more than a tire. It's freedom. The freedom to seamlessly travel between any terrain, on or off-road. Whether the road ahead is highway, dirt, mud, ice, snow, or sand, this hybrid tire is built to conquer.

- ➤ 12 New Sizes
- ➤ UPGRADED 50,000-Mile Treadwear Protection
- Upgraded 3PMSF Tread Compound
- Advanced 3D Siping Technology
- Rigid Interior Tread Blocks for Superior Traction





americustire.com sales@american-amni.com 281-600-11RE

Autocar's BADASS Dump Truck Earns its BADASS Branding

THE DC-64D RAISES THE BAR FOR SPECIALIZED SEVERE-DUTY DUMP TRUCKS

hen you trademark "BADASS" to describe your line of trucks, you'd better be able to back it up. Autocar, LLC, the manufacturer of North America's oldest brand of specialized severe-duty vocational trucks, upholds the brand's 120-year tradition with its latest offering—the Autocar DC-64D Dump Truck, the fourth iteration of Autocar's DC-64 severe-duty Class 8 line.

Joining the DC-64R for Refuse, DC-64M for Mixers, and DC-64P for Pump, Autocar's DC-64D ("D" for dump model) is built from the ground up and engineered to handle the most challenging jobs.

"The DC-64D is expertly configured and solves many industry issues not addressed by other suppliers," says Eric Schwartz, president of Autocar Truck. "Unlike any other vehicle in the North American heavy-duty commercial truck market, Autocar Trucks are vocational trucks that are pre-engineered for a cleaner body integration to minimize modifications by the upfitter. As such, our trucks are safer, more structurally sound, and engineered to have a longer life span, which lowers the TCO (total cost of ownership) and adds to our Always Up promise. This dump truck is truly BADASS."

The DC-64D Dump Truck is assembled at Autocar's headquarters in Birmingham, Alabama. The truck features a spacious and functional cab, but what sets it apart in the industrial truck market is the vehicle's BADASS strength and durability. The DC-64D is built to be a relentless workhorse that performs at its best when the work gets tough.

BEST DESIGNED

Autocar exclusively focuses on building the best trucks for the vocational truck market, which is why Autocar collaborated with key industry experts with more than 200 years of severe-duty truck experience to guide the DC-64D design. Configured with more than 100 improvements, the DC-64D is the best-designed dump truck in the industry.

Autocar partners with dump body manufacturers for parallel engineering of essential dump body mount features, achieving its mission to deliver the highest level of integration in the industry.

CUMMINS POWER

The DC-64D's power comes from multiple Cummins engine options—the L9, X12, and ISX12N CNG series—providing the industry's best performance, fuel economy, and lower operating costs per mile backed by the best service and parts network. Also, the Cummins X12 offers access to the Single Module after-treatment system with more efficiency and service access. The X15 will be available next year.

FOCUS ON SAFETY

With simplicity and efficiency comes a focus on safety. Autocar has the only 325-degree driver visibility with 30% more glass than industry competition. It is the only Class 8 vocational truck with rear-corner wrap-around windows to improve the rearward view. The front end is sloped to enhance visibility.

The DC-64D also delivers the most durable cab structure in the industry with its all-welded steel cab construction to help protect if there

is a roll-over. It is the only vocational truck with frame rail material at a yield strength of 160,000 PSI and RBM of 3.91 lbs, which is 24% stronger than industry standards. Additionally, every DC-64D is built with dual Sheppard M100 steering gears, 112-inch BBC, and up to 50 degrees wheel cut, allowing the driver easy steering effort and maneuverability.

The DC-64D cab features a 7-inch driver information smart display to minimize driver distraction and help technicians quickly get drivers back on the road after maintenance. Autocar sets the standard for the best-in-class severe-duty vocational trucks for durability, protection, and serviceability.

Other key features of Autocar's DC-64D Dump Truck:

- Purpose-built severe duty is standard
- Best-in-class 24/7 direct factory support
- Customer sales support with vocational experts
- Only Conventional Truck built to be Always Up
- Best-in-class routing and clipping
- Electrical serviceability with its intelligent electrical system for easy diagnostics and repairs
- Easy-open gas-strut-assisted hood

Find out more, visit www.autocartruck.com.

LIFT MORE. DUMP MORE. MIX MORE.



We specialize in getting our hands dirty– building BADASS® trucks that work as hard as you do.







Visit autocartruck.com/dc or call an Autocar expert to custom-build your severe-duty truck today.



833.857.0200 (f) (g) (in) (y) (c)



Extendobed for Work Vans

LOOKS TOUGH. WORKS TOUGHER.

xtendobeds designed for work vans will revolutionize the way you store and access equipment and supplies on your fleet of work vans, which is why companies like Conoco-Phillips, Dow, Terminix, Idaho Power, and SW Gas, as well as the US Military, FBI, Homeland Security, and over 1,500 fire and police departments choose Extendobed. Every system can be customized to meet your needs, providing you the following benefits:

- Doubling the storage volume over traditional shelf/drawer systems.
- Increasing productivity of work crews by helping them get on/off jobsites quicker.
- Reducing injuries—no more lifting heavy items from awkward positions or climbing in and out of a van, injuring knees, ankles, and backs

DOUBLE STORAGE CAPACITY

As seen in the chart to the right, Extendobed more than doubles the total storage capacity over traditional shelf/drawer storage systems by fully utilizing the "dead space" in the middle of the cargo area.



Due to increased efficiency provided by installed Extendobeds, a pest control company found that each of its 200 vehicles can service an average of four additional clients per week. That equates to 20 additional customers per month without adding personnel or vehicles. At an average charge of \$80 a month, that's an additional \$3.84 million in annual revenues. ROI was 3.4 months.

FAST ROI

Extendobed improves productivity by getting you on and off the jobsite quicker. No wasting time looking for tools/supplies and having to climb in/out of your van.

| VAN Length | EXTENDOBED (CU FT) | TYPICAL SHELF System (Cu Ft) |
|---------------|-----------------------|---------------------------------------|
| 18.5 ft | 233 | 117 |
| 19.7 ft | 268 | 132 |
| 22 ft | 303 | 184 |

Rased on Ford Transit, Mercedes-Benz
Sprinter, and Ram Promaster models. Similar
results were found with Transit Connect and
Promaster City models.

REDUCED INJURIES

Extendobed can help reduce injuries to backs, shoulders, knees, and ankles because workers are not picking up heavy items from awkward angles or climbing in and out of their vans multiple times per day. Avoiding even one back injury claim pays for a small fleet of Extendobeds.

EXTENDOWALL

The new ExtendoWall $\mbox{\em M}$ is designed to further improve the efficiency and

productivity of work vans. Stop climbing into your van for equipment/supplies. Slide it out to you. The fully customizable ExtendoWall can carry ladders, tools, and supplies and can be designed to extend from either the side or back doors. Optional half-bed or full-bed width and up to 3,000-lb capacity is available with over 110% extension—past the taillights.



A half-width ExtendoWall along one side of the van combined with a traditional shelf/storage system on the other gives you the best of both worlds.

EXTENDOBED IS THE ONLY COMPANY THAT OFFERS:

- Extension past the taillights—over 110%—allowing access to the entire bed
- Load capacities up to 3,000 lbs that can be point-loaded
- Fully customizable designs for vans, trucks, and service bodies
- 20-year warranty = lower cost of ownership.

Find out more, visit www.extendobed.com or call 800.752,0706.





LOOKS TOUGH. WORKS TOUGHER



BED SLIDES FOR WORK TRUCKS, VANS, SERVICE BODIES AND TRAILERS

- HEAVY DUTY Up to 3,000 lb. load capacity BUILT TOUGH 20 year warranty
 - EXTENDS OVER 110% past your taillights FULLY CUSTOMIZABLE



COVERED SERVICE BODY



TELECOM TRUCK W/ SHELL



EXTENDOWALL IN VAN-SIDE DOOR MOUNT



WURK VAN



RAM PROMASTER VAN



STORAGE WITH PULLOUT WORK SURFACE

WORK TRUCK WEEK 2022 SHOW DISCOUNT EXTENDED

Call or email now to get a complimentary design and quote

800-752-0706

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Go Power!

HOW SOLAR CAN SOLVE LIFTGATE BATTERY WOES

leets across North America share a common problem: workflow interruption resulting from battery failure. Fleet managers are required to budget for expensive service calls resulting from nonfunctioning liftgates due to dead batteries. In the fast-paced working environment where companies across the continent rely on the products and services supplied by fleets, downtime is of paramount concern. Delivery routes with multiple stops may not provide enough battery charge time, preventing trucks from starting and liftgates from working.

Traditionally, lift gate batteries were charged by the truck's alternator. This meant the truck had to be running and burning fuel to charge the liftgate batteries. While anti-idling laws have positively affected the environment, they have also drastically reduced the main charging source for liftgate users. Even when the truck is running, liftgate batteries often do not receive an adequate charge. This is largely due to voltage loss from long DC wires running to the liftgate batteries from the alternator.

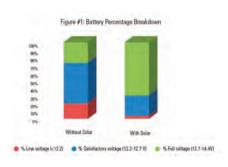
Unfortunately, battery problems do not expose themselves until it is too late to avoid incurring a sizable expense to the company. Even new batteries replacing problematic low voltage batteries don't always receive the charge they require, resulting in rapid performance deterioration.

KEEP IT MOVING

Solar power is a cost-effective solution for charging problematic batteries to maintain optimal performance in the field. By charging at a higher voltage and reducing the distance energy needs to travel, solar charging systems charge at a higher voltage and reduce the energy's

travel distance, effectively reducing replacement and operating costs.

Using data compiled from tracked short-haul delivery trucks, liftgate battery voltages shown here exhibit the benefits of solar on aged batteries with solar charging vs without. The graph in Figure 1 illustrates the percentage of time the liftgate batteries spent in Low, Satisfactory, and Full voltage states throughout the data collection period.



To reduce battery deterioration, batteries are required to hold, at minimum, Satisfactory voltage (12.2 to 14.4-volts). For optimal battery performance and extended battery life, a battery should be held at a Full charge (12.7 to 14.4-volts). When the battery dips into the red zone (less than 12.2-volts) its life expectancy is immediately diminished.

UNLIMITED RESOURCE

Low battery voltage and the inevitable battery replacements along with truck downtime often seem to be an accepted industry norm for delivery vehicles. Eliminate this recurring issue by using a solar charging system, which brings reliability and cost savings to fleets large and small.

The sun is an unlimited, reliable resource that can be harnessed to ensure your batteries stay in peak performance. Adding solar to your fleet provides a renewable, green, and costeffective charging source, ensuring your liftgate batteries never die. This leads to greater reliability (zero maintenance), consistency (providing a charge every day, rain or shine), and better economy (zero fuel costs).

Solar can achieve astounding increases in battery performance and longevity while occupying minimal surface area. A solar solution may handle the worst conditions that the industry can throw at it. Ultra-thin, flexible solar panels do not affect the truck's clearance. Choosing Go Power!—the work truck industry's favorite solar solution—makes installs faster and easier. Liftgate manufacturers using a renewable energy alternative see immediate returns and increased customer satisfaction for their client base.

COST SAVINGS

| Issue | Without Solar | With Solar |
|--|--|--|
| Liftgate failure due to power problems | Service call: \$500 - \$700 Truck reload: 2 - 4 hours | No power failure |
| Vehicle idling to produce power | Fuel costs: \$25 - 100/day | Zero fuel costs |
| Battery replacement | 6 - 18 months | 3 - 5 years |
| Liftgate cycles/day | 10 - 30 cycles depending on drive time | Average additional 25 cycles/day regardless of drive time* |

* Data provided by Waltco Liftgates. Based on a 200W system in the Great Lakes Region.

Find out more, visit www.gopowerfleet.com.

Go Power!"

ELIMINATE POWER RELATED DOWNTIME AND EXPENSIVE SERVICE CALLS WITH THE NEW

PHANTOM

DUAL-SOURCE CHARGER



COMING SOON - Charge batteries from two sources, and automatically supply power to two 12 or 24VDC power sources with the NEW dual in dual out Phantom charge controller. Charge liftgate batteries and electric pallet jacks whether driving or parked. Smart charging solution that replaces traditional alternator charging systems by pairing solar with intelligent alternator charging.

Learn more about this product at

gopowerfleet.com/PHANTOM

Isuzu F-Series

THREE MODELS, TWO CLASSES, ONE SMART CHOICE

o you need more power and payload to maximize your trucks' productivity? But you need excellent maneuverability and visibility for navigating tight urban spaces? And you need it all with a low cost of ownership? There is no need to compromise. Isuzu introduced its new F-Series trucks, now available in both Class 6 and, new for 2022, Class 7 models.

SMOOTH POWER

Every 2022 Isuzu F-Series model is equipped with the most powerful version of the Cummins B6.7 Efficiency Series engine. Under constant improvement for nearly 40 years, well over 12 million Cummins B-series engines have been sold. This legendary 6.7-L, inline six-cylinder diesel powerplant produces 260 hp and 660 lb-ft of torque.

| THREE MODELS IN TWO CLASSES | | |
|-----------------------------|---|--|
| CLASS 6 FTR | 25,950-LB GVWR AND 19,000-LB REAR GAWR | |
| CLASS 6 FVR DERATE | 25,950-LB GVWR AND 21,000-LB REAR GAWRW | |
| CLASS 7 FVR | 33,000-LB GVWR AND 21,000-LB REAR GAWR | |

ALL MODELS:

- Available in eight wheelbases, from 152 to 248 inches, accommodating bodies from 14 to 30 ft in length
- Can be equipped with air suspension
- Offer a 50- or 100-gallon fuel tank
- Come in a Standard Cab configuration with three-across seating

All F-Series trucks feature the Isuzu low cab forward (LCF) design perfected over more than 60 years. The LCF design's longer cab-to-axle (CA) dimension provides Isuzu F-Series trucks with more cargo capacity versus conventional cab competitors with a comparable wheelbase. This gives you more flexibility in body application choices to accommodate heavier or bulkier cargo loads.

The Cummins B6.7 is mated to a smooth-shifting automatic 6-speed Allison Rugged Duty Series transmission (2550 Series with park pawl for FTR, 2500 Series with no park pawl for FVR). Allison RDS transmissions are noted for their seamless transfer of power from the engine to the asphalt. Together, the robust Cummins/Allison powertrain provides an optimum blend of power, fuel economy, and reliability.

DESIGNED FOR PRODUCTIVITY

As with all Isuzu trucks, the FTR and FVR offer superb maneuverability, visibility, and comfort. Drivers will appreciate the 50-degree inner wheel cut that gives the Isuzu F-Series classleading turning diameters between 43.7 ft (for 152-inch wheelbase models) and 65 ft (for models with the 248-inch wheelbase).

The Isuzu low cab forward design allows you to see objects much closer to the front of the truck than any conventional cab. With new standard LED headlamps, 2022 Isuzu F-Series trucks give you greater visibility than ever.

With the driver-friendly Isuzu Hexapod cab with its multiple storage spaces, work surfaces, and standard amenities, Isuzu F-Series trucks allow you to be as comfortable as you are productive.

THE ISUZU DIFFERENCE

Like all Isuzu trucks, the new F-Series range offers such peace-of-mind features as:

- Outstanding basic limited warranty protection
- 24/7 roadside assistance for the length of your warranty
- Genuine Isuzu OEM parts, and also Isuzu FleetValue parts, priced to compete with aftermarket parts but engineered to meet Isuzu's stringent specifications

GET MORE INFO

Isuzu F-Series trucks are sold and serviced by Isuzu's network of nearly 300 dealerships across all 50 states.

Isuzu Commercial Truck of America invites you to visit **www.isuzucv.com** or contact your nearest Isuzu dealership to discover for yourself why the new Isuzu F-Series trucks—with three models in two classes—are the one smart choice for you.

Find out more, visit www.isuzucv.com.



ISUZU

YOUR NEXT BIG PURCHASE SHOULDN'T BE A STRESSFUL ONE

APR Financing and leasing options available on all Isuzu truck models. See your local Isuzu dealer for details.



ISUZUCV.COM

Isuzu vehicles are assembled from component parts manufactured by Isuzu Motors Limited, its affiliated companies and by independent suppliers who manufacture such components to Isuzu's exacting standards for quality, performance and safety. Vehicles shown with optional equipment, Some equipment is dealer installed. Visit your authorized Isuzu dealer for details. Truck bodies shown are products of MH Eby, Inc. Finance offers available only through Isuzu Finance of America, Inc. Finance terms are limited, credit approval required. Participating dealers only. © 2022 Isuzu Commercial Truck of America, Inc.



Luverne

SOLIDSHIELD GRILLE GUARD

et both strength and dependability where it matters most. The SolidShield™ van grille guard uses a four-point frame mounting system—a step above the typical two-point mounting system—to make a significant difference in strength, durability, and rigidity. This maximizes fleet uptime and confidence on the job. For an updated, sophisticated look that can't be found elsewhere. SolidShield has a vehicle-specific construction that contours to the front of the cargo van, creating a sleek, stylish appearance that is simply incomparable to others like it.

SolidShield also features a one-piece 2-inch tubular steel ring assembly for reliable strength. It includes rubber extrusions that are formed over metal strips on the uprights and has light brackets available (sold separately) for mounting aftermarket lights, making the upgrade extremely convenient for work vans. SolidShield can be installed easily with its vehicle-specific, no-drill mounting brackets. The high-strength steel brackets feature a durable black powder coat finish, and each piece is finished with an E-coat and semi-gloss black powder coating for substantial protection all around.

SOLIDSHIELD FEATURES

SolidShield truly lives up to its name: It's the ultimate cargo van grille guard that is solid enough to shield, preserve, and protect through the countless miles that lie ahead. Features include:

- Four-point frame mounting system for maximum strength and rigidity
- Vehicle-specific contours for an updated, sophisticated look

"For an updated, sophisticated look, SolidShield has a vehicle-specific construction, creating a sleek, stylish appearance that is simply incomparable to others like it."

- One-piece 2-inch tubular steel ring assembly for maximum strength
- Durable, corrosion-resistant E-coat and semi-gloss black powder coat finish
- Rubber extrusions along the uprights for extra protection
- Easy, no-drill installation with vehicle-specific mounting brackets
- High-strength steel brackets feature a durable black powder coat finish
- Limited lifetime warranty (threeyear finish, one-year parts)

STYLISH & PROTECTIVE

LUVERNE has taken work van frontend protection to another level with the new SolidShield Grille Guard. "While it contours the front bumper, it also provides a stylish look and rocksolid front-end protection," says Jesse Bauer, director of automotive product, LUVERNE. "This grille guard falls right in line with LUVERNE's functional, no-nonsense approach to continue driving our customers' success forward safely."

Find out more, visit www.luvernetruck.com.





SOLIDSHIELD™ GRILLE GUARD

The SolidShield van grille guard is exactly what it sounds like: a truly solid grille guard that shields, preserves and protects your fleet day after day, mile after mile.

- Four-point frame mounting system for maximum strength and rigidity
- Unique, vehicle-specific contours for an updated, sophisticated look
- One-piece 2" tubular steel ring assembly for maximum strength
- Durable, corrosion-resistant E-coat and semi-gloss black powder coat finish





Meritor Defense

THE ONLY UPFIT SOLUTION FOR CLASS 5 AND 6 TRUCKS BASED ON PROVEN MILITARY-GRADE TECHNOLOGY

eritor Defense boasts the industry's strongest heritage with more than 100 years of engineering excellence in custom drivetrain technology for commercial and military vehicles. So when the upfitter market demanded a means of improving the performance of stock Class 5 and 6 vehicles, Meritor delivered a battle-tested solution.

Designed for the rigors of tactical wheeled vehicles and military duty-cycles, the all-new ProTec™ 3000 Series all-wheel drive beam axles and Independent Suspension Axle Systems (ISAS) are purpose-built for Class 5 and 6 upfitters looking to do more without the increased costs and sacrificed performance that can be associated with larger Class 7 and 8 vehicles.

ProTec 3000 Series solutions help meet the demand for increased axle load capacity, maneuverability, mobility, ride-quality, and performance while integrating into stock OEM mounting points and chassis with minimal modifications. From tactical armored vehicles and brush trucks to utility vehicles and everything in between, Meritor Defense customers looking to optimize their stock Class 5 and 6 vehicles can now benefit from the same reliability, durability, and performance the nation's warfighters depend on in-theatre.



ProTec 3000 Series All-Wheel Drive
Beam Axle



ProTec 3000 Series Independent Suspension
Axle System

OUT-MUSCLE. OUT-SMART. OUTCLASS.

Featuring components found on the US military production Joint Light Tactical Vehicles (JLTV) and more than 100,000 duty-cycle hours, the 3000 Series is the most flexible upfit solution available for Class 5 and 6 vehicles; accommodating multiple suspension, spring, and damper configurations to meet the demands of most Class 5 and 6 vehicle upfitters.

Truck owners understand that bigger does not always equate to better because, often, bigger trucks means less maneuverability. Meritor Defense customer and forest firefighting truck upfitter, Skeeter Brush Trucks, recently integrated the ProTec 3000 Series into one of its latest vehicles. Bill Davidson, vice president of Skeeter Brush Trucks says, "In the high-performance off-road world, bigger trucks just don't off-road very well, so a Type 6 chassis (medium-duty pickup) that doesn't require a special license to drive and can go places big off-roading trucks only dream of makes the upfitted Skeeter fleet a dominant player in specialized lift-andmodified emergency vehicles."

THE RESULTS

Ultimately boasting a maximum gross axle weight rating (GAWR) of 12,000 lbs per front axle and up to 14,700 lbs per rear axle, the 3000 Series can nearly double the stock capacity of the most popular Class 5 trucks. Additional enhancements include driver-controlled differential lock (DCDL) for exceptional traction and traversal, Central Tire Inflation System (CTIS)-ready piping, and hydraulic disc brakes for superior stopping power—all standard features with every 3000 Series AWD Beam Axle and ISAS.

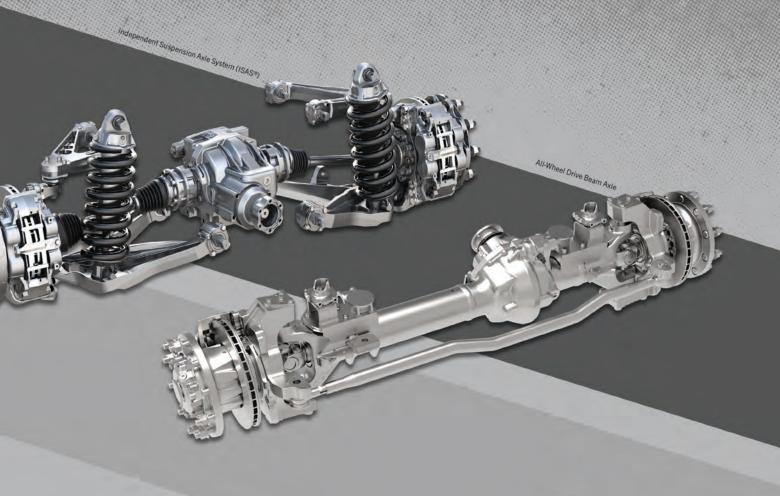
Engineered as "drop-fit" solutions. Meritor designed ProTec 3000 Series axles and suspensions for compatibility with stock Class 5 and 6 chassis mounting points and many OEM components to make integration and installation a seamless process. Additionally, Meritor Defense has partnered with select suppliers to offer a complete list of optional integration components, such as drivelines, coils, dampers, or steer arms to support added capacity and optimized functionality. And for added confidence, all Meritor Defense products are backed by Meritor's global aftermarket service and support network.

The ProTec 3000 Series is purpose-built for use in most Class 5 and 6 applications including police, SWAT, military police, light armored personnel carriers, fire and brush trucks, high-performance off-road, utility, and bucket trucks. Both the all-wheel drive beam axles and Independent Suspension Axle System (ISAS) are available for order today.

Find out more, visit **www.meritor.com** or email defense@meritor.com.

ProTec[™] 3000 Series





Meritor ProTec™ 3000 Series solutions are purpose-built to upfit and enhance class 5 and 6 vehicles for the rigors of fire and rescue, police and tactical, construction, and off-road applications. The 3000 Series ISAS and All-Wheel Drive Beam Axle, based on field-proven Meritor Defense technology, are durable and rugged, which means you'll not only be ready for anything, you'll be ready for everything. Learn more at *meritor.com/applications/defense*

NOW AVAILABLE





PPG'S COMMERCIAL COATINGS HAVE IT COVERED IN TECHNOLOGY. COLOR. AND SERVICE

PG is a leading innovator of coating technologies for just about every industry imaginable with a wealth of coatings options available for work trucks. The applications range from heavy-duty trucks and custom truck bodies to transit vehicles, trailers, fire and emergency, as well as equipment for the agricultural, construction, and gas exploration industries.



PROVEN TECHNOLOGY FOR DIVERSE NEEDS

PPG's full range of coatings technologies includes polyurethanes, alkyds, epoxies, polyurea, powder coatings, and pre-treatments.
Coatings are marketed under several brand names—each offering products and price points geared for specific market segment requirements:

- DELFLEET ONE® premium paint system delivers excellent color matching, durability, and ease of use, while offering the industry's lowest VOC ratings for undercoat and topcoat products. It's available with five- and sevenyear warranty options.
- **DELFLEET ESSENTIAL®** compact, value-driven paint system is easy to use and cost effective, available in two- and three-year warranties.
- COMMERCIAL PERFORMANCE
 COATINGS offer a full breadth
 of technologies for specialized
 equipment and manufacturing
 uses—from economical alkyds and
 epoxies to urethanes, waterborne,
 and powder coatings.
- AMERCOAT® line of heavy-duty protective coatings includes tank linings, zinc-rich primers, epoxy primers, and other durable finishes.

SPECIAL REQUIREMENT SOLUTIONS

PPG offers many specialty coatings options, ranging from those having unique performance properties to environmentally progressive, ultra-low VOC solutions. Among the options are specialty coatings for enhanced graffiti resistance, sound dampening, and the latest advancements in corrosion and chemical resistant technologies.

COLOR MATCHING TOOLS

PPG's comprehensive color database offers hundreds of thousands of formulas, covering a full spectrum of solid, metallic, pearl, and specialty colors. Color matching tools include the *Delfleet One* color chip deck; specialized color chip selectors for fleet vehicles, Class 6 through 8 OEMs, RAL, and market-specific colors. Formula look-up options range from online access to a full-blown, computerized paint management system—as well as an advanced spectrophotometer for matching difficult, unknown colors.

TRAINING & DEVELOPMENT

Training courses are taught throughout the year at PPG Business

Development Centers. Course topics include technician certification, spot repair, color tinting, blending, and spray equipment. Technicians also have online access to a wide variety of instructional videos on commercial paint systems, allowing them to learn at their own time and pace. In addition, PPG's MVP Business Solutions program offers a comprehensive array of management training for businesses using PPG commercial coatings systems. The program provides business owners and managers with ideas, methodologies, and expert guidance for improving productivity and profitability.

SERVICE & SUPPORT

The core of PPG's commitment to customer support lies in its team of field commercial sales representatives, OEM specialists, and a network of some 500 US and Canadian distributors offering personalized service, technical support, and color matching assistance.

Find out more, visit www.ppgcommercialcoatings.com.



RGRAUTO Group

WIRELESS TELEMATICS SOLUTION



I-Sticker, cabin facing.

GRAUTO Group has deployed smart IT and safety solutions for nearly two decades, but to differentiate itself from other players in the rapidly growing market, RGRAUTO did something different. "We decided to create uniquely tailored turnkey solutions by integrating different stand-alone products," says Roman Ferster, founder and CEO of RGRAUTO.

Vendors usually sell their own products by aggressively lobbying a particular approach or concept in order to promote their product. But because RGRAUTO represents many vendors, it is able to present tailored, integrated, and comprehensive options.

Of the many big vendors and great products out there, RGRAUTO chooses only vendors who are flexible and able to quickly develop a creative solution or a specific feature based on customer requirements.

RGRAUTO takes a good product from one vendor, integrates it with another good product from another vendor, and creates a perfect solution.

▼I-Sticker, road-facing. For example, RGRAUTO integrates ADAS with

telematics to create Smart ADAS with comprehensive FMS reports and analytics. Similarly, DMS combined with telematics creates smart AI video telematics. filtering what to record to save data and preserving privacy, yet retaining driver safety and valid information for reporting. The goal is to create a true solution, and this concept has been successful.



The expression "work smart, not hard," is at

the core of the company's approach. Because fleet managers don't have the time to watch hours of videos or to search big data sheets, RGRAUTO's solutions include user-friendly reports and statistics.

One example: Installation is the Achilles' heel of all telematics projects regardless of the type of the fleet, its size, or industry, yet providers were not addressing this point. Whether PoC, demo, or commercial deployment, installation is a serious headache for the fleet and for the vendor. Consider challenges like delayed approvals, logistics challenges (i.e., sending vehicles to authorized service centers or extensive travel time for technicians), work schedule disruptions, vehicle downtime (often during peak hours), installation costs, and subsequent expenses, even vehicle damage during installation. Additionally, situations will invariably arise that require intervention, such as technical problems that can't be resolved remotely, upgrades, repairs, dismantling, etc. These issues are shared by all telematics providers, and there are no exceptions.

I-STICKER

In 2016 one of RGRAUTO's vendors created a telematics and driver safety solution that addressed this problem the I-Sticker. A completely wireless tracker that collects vehicle and driver behavior data operating on a tiny but powerful solar-charged battery. Since it's wireless, managers are spared the hassle of traditional hardwired or OBD-II trackers. Just peel and stick the I-Sticker on the windshield!

Since RGRAUTO started selling the I-Sticker almost three years ago, more and more fleets are realizing how crucial these advantages are. It is a real game-changer in the telematics

world, and here are a few examples:

- Need to deploy a few hundred or thousand hardwired trackers? It would take months or even years to install them.
- Have a diverse fleet? Car fleets. consist of different vehicles, makes. model years, and configuration. Each category has different protocols; some are so old, they require an analog installation.
- More and more car makers are developing different (cyber and other) ways to protect against aftermarket equipment installation.

I-Sticker can be used in any vehicle regardless of its type and age, allowing fleet managers to seamlessly unify their fleet into one user-friendly FMS platform with no extra costs in no time and with no hassle.

RGRAUTO still sells a lot of traditional telematics, but the trend is clear: wireless and installation-free telematics. I-Sticker is just that extremely easy to deploy and easy to use with zero maintenance required.

RGRAUTO markets and sells its solutions directly or through partners and resellers such as leasing companies or telematics and aftermarket dealers, depending on the end customer preferences.

A few of RGRAUTO's clients: Coca Cola HBC, Danone Europe, Schlumberger, Praxair, Linde Gas, Nabors, Orange Business Services, Shell Exploration, Orica, LeasePlan, Arval, ALD Automotive, and many others. RGRAUTO is also partnered with leading global vendors, such as MiX Telematics, Geotab, Cloud-Wise, Ituran, Orpak-Gilbarco, Mobileye, Cipia, GreenRoad, and others.

> Find out more, visit www.rgrauto.com.







I-STICKER Fleet





The NEW Generation of IoT Telematics

I-STICKER is a multi-sensor, affordable GPS-based smart sticker that gives you all the information you really need about vehicle dynamics and driver performance.

I-STICKER is installation-free. It is easily deployed and super fast to start. Eliminates needless downtime and extra expense. Just Stick and Go!



INSTALLATION FREE

Save installation cost and down time Peel-and-stick, hassle-free deployment



POWERED BY THE SUN

No need to replace batteries



SIM-FREE

Save on cellular fees and eliminate SIM complications



PROTECTS YOUR EMPLOYEES' PRIVACY

Allows for flexible data transmission to avoid the "Big Brother" image



TOTALLY WIRELESS AND AUTONOMOUS

Built-in sensors seamlessly work in the background and transmit data using the latest IoT technologies



VEHICLE ELECTRIC SYSTEM AND WARRANTY

Does not connect to the vehicle so no battery drain, vehicle hacking, error messages



Ideal solution during COVID-19 pandemic

When fleets have to be connected but installation centers and field technicians risk exposure, I-STICKER is the ideal solution. Just mail the sticker to your driver and they stick it on their windshield. It's that simple.

Make your fleet IoT connected in no time and with no hassle





For more information, quotations and orders, contact us today





VMAC

HOW 25 YEARS OF INNOVATION HELPS UNDERHOOD DEFEAT SUPPLY CHAIN CHALLENGES

MAC will celebrate the 25th anniversary of UNDERHOOD™ air compressors this summer, but the innovative UNDERHOOD product line is anything but old. New model year kits are already released for several 2022 Ford, GMC, Chevrolet, International, Sprinter, and Ram vehicles.

UNDERHOOD air compressors are belt-engine driven, using a vehicle's existing engine as a power source. An engineered mounting bracket positions the air compressor, while a serpentine belt intertwines through a series of added idler pulleys, the vehicle's crankshaft pulley, and the compressor clutch. This allows the compressor to draw power from the vehicle's engine.

Although simple in concept, UNDERHOOD air compressors are incredibly challenging to engineer due to limited space within the engine compartment. UNDERHOOD systems must be designed around the existing components, using whatever space is left over after the OEMs meet their own needs.

As a result, UNDERHOOD systems don't allow for a generic and time-consuming one-size-fits-all approach like some vehicle-integrated air compressors on the market today. Each UNDERHOOD is meticulously



engineered alongside the OEMs for a specific vehicle make and model, ensuring it fits perfectly and works optimally.

"It's a wonderful puzzle," says
Stuart Coker, director of operations
at VMAC. "You have all these existing
OEM components that need to stay
where they are, occupying most of the
available engine space. Then you have
to take this air compressor and figure
out how to make it fit, connect to the
crankshaft, and keep it secured for the
lifespan of the truck."

Despite 25 years of opportunity, only VMAC has been able to develop an industrial air compressor that fits within the engine compartment.

"We can create these systems and constantly adapt to model year changes because we manufacture the entire UNDERHOOD system in-house," Coker adds. "We control the entire process at our facility, which starts with molds in the foundry, continues through every step of machining and assembly, and only ends when we load the system onto a delivery truck."

ALL IN-HOUSE

VMAC's ability to create rotors, brackets, and other air compressor components in-house has been a significant advantage over competitors. While many manufacturers operate as an assembly factory, essentially piecing together components built by other companies in countries such as China, VMAC is self-reliant.

"If we need a component in an exact size and shape, we can make it," Coker explains. "We can test our ideas using 3D printing, and then we can machine the parts when we know those ideas will work."

In recent months, an additional advantage of in-house manufacturing



has become apparent as supply chain issues have posed significant challenges for air compressor manufacturers. While lead times on small combustion engines extend for months, UNDERHOOD systems continue to ship in under two weeks.

"Whenever a company relies on a supplier, it's a potential vulnerability, especially when resources are limited, and we aren't the only company that needs them," Coker says. "We rely on proven supplier relationships for several product lines, including our above deck air compressors. These suppliers have done amazing work despite the recent global challenges. However, the UNDERHOOD product line only relies on the hardworking teams and machinery at VMAC, which is why we are able to ship UNDERHOOD air compressors in 10 working days. These short lead times are significant for anyone who needs a compact yet powerful air compressor soon."

UNDERHOOD air compressors operate at 100% duty cycle and are currently available in models that deliver up to 40, 70, and 140 CFM. They are ideal for customers who need to save space, reduce truck GVW, and minimize maintenance without compromising on air power.

Find out more, visit www.vmacair.com/underhood.

Frustrated with long lead times? UNDERHOOD™ air compressors ship in 10 days.



Supply chain shortages are causing significant deck mounted air compressor delays. We have a solution:

The UNDERHOOD™ is available today with options for your entire fleet.



Eberspaecher

SELLING AND SERVICING FUEL-OPERATED HEATER SYSTEMS

berspaecher Climate Control Systems NA, formerly Espar Heater Systems, sells and services fueloperated heater systems for a variety of applications, including trucks, school buses, vocational vehicles, vans, marine, military, and off-highway equipment. The systems use 12- or 24-volt battery systems and gasoline or diesel as an on-board fuel. They operate as diesel or gasoline furnaces with sealed combustion chambers. Eberspaecher Air Heater's use forced air as a heating medium, while the Eberspaecher Coolant Heaters circulate the engine coolant to transfer heat.

BUNK HEATERS

Eberspaecher Air Heaters have heat outputs that range from 6,000 BTU

to 41,000 BTU. These air systems are compact with all heat creation and fan distribution neatly packaged within the unit. The heaters have from two to four heat levels and cycle between these levels according to the temperature desired by the user.

ENGINE PRE-HEATERS

Eberspaecher Coolant Heaters have heat outputs that range from 5,500 BTU to 120,000 BTU. These coolant systems are compact with all heat creation, fan distribution, and plumbing neatly packaged within the unit. The heaters have from two to four heat levels and cycle between these levels to maintain a constant coolant temperature called for by the control unit.

Eberspaecher CCS NA provides environmentally friendly products that serve the needs of its customers. The products enable drivers to shut down their engines, yet retain a comfortable, warm environment within the vehicle. Eberspaecher CCS NA products are marketed through a variety of aftermarket supply chains and are an OE-installed option on major new trucks, school buses, and off-highway equipment.

Find out more, visit www.eberspaecher-na.com.



Hannay Reels

REELS THAT WORK AS HARD AS YOU

nince 1933, Hannay Reels has cemented its reputation as a leading manufacturer of hose and cable reels for the work truck industry. Between standard models and custom solutions, Hannay offers thousands of durable, dependable options for a wide range of applications.

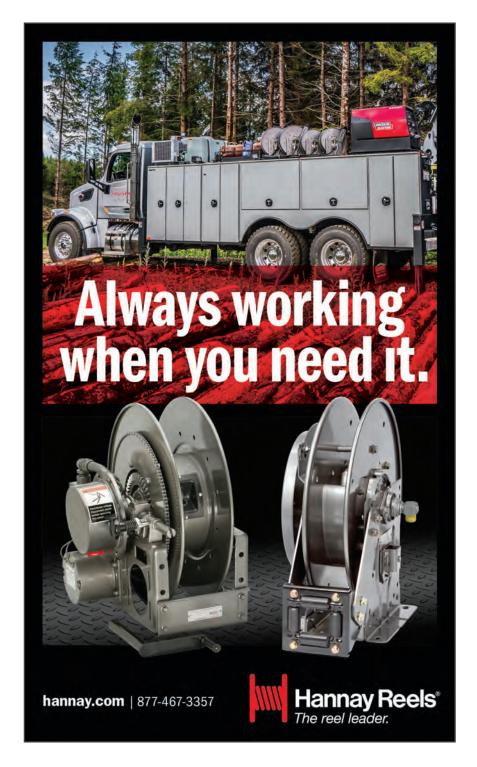
Every Hannay reel is designed with reliability in mind. Featuring sturdy construction, Hannay reels are built tough with the highest quality materials to withstand challenging conditions day in and day out. These reels are also compact in size to ensure a small footprint, enabling proper fit for various vehicle or compartment dimensions. Flexible mounting and portability options are also available for optimal versatility. With the right hose or cable reel, dispensing and retracting are quick and easy. That's how Hannay keeps its reel maintenance, too, thanks to simple parts replacement.

Configured for numerous work truck operations, Hannay hose and cable reels can be adapted for:

- Dispensing: grease, oil, water, and more
- Hydraulic/pneumatic power tools
- Service/lubrication for heavy construction equipment
- Lights, tools, and engine warm-up
- Gas/arc welding
- Washdown/pressure washing
- Vacuum/suction
- Fueling: petroleum, diesel, LP gas, DEF, and more

Superior manufacturing techniques, consistent quality, outstanding customer service, and industry-specific expertise allow Hannay Reels to deliver the best engineered reels in the business. Companies worldwide turn to Hannay to improve productivity, efficiency, and safety for their operations, all with the right reel.

Find out more, visit www.hannay.com.



High Bar Brands

PROVEN PROCESSES WITH A CUSTOMER-CENTRIC APPROACH

igh Bar Brands, LLC, is a preferred solutions provider for the commercial vehicle industry with its family of iconic brands. Driven by innovation and an entrepreneurial spirit, High Bar Brands strives for total customer satisfaction through its dedicated team and superior products.

The company was born from the partnership between two solution-based brands: Minimizer and Premier Manufacturing. These iconic suppliers have proven processes and a customer-centric approach that has forged a special connection with drivers, fleet owners, and maintenance managers across North America. Their feedback is crucial to R&D and has helped the High Bar



Brands team design and develop numerous patented technologies.

High Bar Brands is renowned for its go-to-market strategies that are catapulted by an incredibly strong distribution network where its products, including poly fenders, are prominently displayed in showrooms across North America.

Minimizer poly fenders cover Class 6, 7, and 8 trucks and most trailers,

too. These fenders won't stress-crack or rust, and they will retain their shape after severe impacts.

Minimizer fenders come in a variety of finishes and colors, including the brand's silver mirror finish, smoky black mirror finish, carbon fiber, and paintable options.

High Bar Brands is proud to be a member of the toughest industry. Driven by customer needs, customer success is what drives High Bar Brands' business.

Find out more, visit www.highbarbrands.com.



Link Manufacturing

ALUMINUM RAMPS

ink Manufacturing develops an extensive range of aluminum ramps that provide safe, easy, and economical solutions for your loading and handling needs. Whether you require a straight, bifold, trifold, swivel, lightweight, heavy-duty, or customized cargo ramp solution for your needs, you can be confident that each Link aluminum ramp is built to perform in the most challenging conditions. All Link aluminum ramps are engineered, tested, and manufactured to the highest quality standards right here in the USA.

SWIVEL RAMP

Link put a new twist on aluminum ramps. Its swivel ramp offers unmatched flexibility for loading and unloading any sized cargo with

its 180-degree rotation and two storage locations. The swivel ramp mounts in the rear stored position like a traditional folding ramp but can swing to also be stored inside, behind the wheel well—providing options for instances when a loading ramp isn't needed.

MOUNTED RAMPS

Link Manufacturing developed a broad array of deployable mounted aluminum ramp solutions engineered for commercial vans and box trucks. Link's lightweight, low-profile mounted aluminum ramps vertically mount just inside a vehicle's rear or side doors. Each mounted ramp is made from high-strength aluminum and engineered for simple installation and ease of use. All

Link mounted ramps are fast, easy, and convenient to deploy.

PORTABLE RAMPS

Link's portable aluminum ramps are available for both lightweight and heavy-duty applications featuring either folding or straight designs. The extensive range of portable ramps provide users with safe, durable, and economical solutions for their cargo loading and handling needs. An optional, high-friction, perforated deck surface is also available for applications where exposure to ice, oil, moisture, and other slippery substances is common.

Find out more, visit www.linkmfg.com.



SoundOff Signal

NROADS PRODUCTS

he seeds of SoundOff Signal were planted across safety solutions industries in West Michigan in 1992, when George Boerigter took the reins of a small motorcycle flasher startup. He branched out to emergency vehicles, and by the 2000s the company expanded its offering of high technology safety solutions across the globe.

Today, SoundOff Signal has matured into an integrated, strategic lighting and controls manufacturer with approximately 400 employees across its corporate headquarters and customer center in Hudsonville, Michigan.

The mission of SoundOff Signal is to provide its customers with superior products and services that meet or exceed their expectations for delivery, quality, and cost-effectiveness.

SoundOff Signal is committed to: its customers through continuous improvement in on-time delivery of quality products; its employees through continuous improvement in their standard of living; its shareholders through continuous improvement of their return on assets; its community through social and environmental responsibility; and its strategic business partners through a mutually beneficial growth and business development strategy.

nROADS PRODUCTS

Snowplows, pickup trucks, utility vehicles, refuse trucks, paving equipment, and other amber equipment each create their own warning light needs. SoundOff Signal

designed nROADS® products to offer the broadest level of performance and pricing options in the market.

The SoundOff Signal team powered nROADS with Nexus Technology, the same extremely bright illumination technology used in SoundOff Signal's successful nFORCE® line of law enforcement products. The product was developed with an all-new rugged look that reinforces the sturdy designs of today's trucks and heavy duty equipment.

Available products include: mini, mid, and full-size light bars, low and high dome beacons, and accessories.

Find out more, visit
www.soundoffsignal.com/category/
brand/nroads.



Introducing the newest member of our mpower® line of products.

This Traffic Controller features mpower 6" silicone modules and is available in full or split lengths.

The best part?

The ability to mount it in any direction with specific controls for each facing.

soundoffsignal.com

Coxreels

TDMP SERIES

Designed for use with hydraulic tools and accessories, Coxreels' TDMP Series features:

- Dual hydraulic spring rewind reels with one-sided access for both the spring and the swivel
- Supply and return lines in the same side of the reel into an external fluid path via hydraulic swivel that also houses a spring cartridge motor
- A unique design that allows service of the main components without removal of the reel
- Improved space use: Reel can be installed with the back side of the drum against a wall without concern for incoming hose lines
- A capacity of up to 50 ft with triple axle support, dual arm guides, and stainless steel hose guide rollers
- Heavy gauge steel construction, durable polyester powder coat, rolled and ribbed discs, an industry leading two-year warranty, and manufactured in the USA.

www.coxreels.com



