

NEW PRODUCT

FLEET-RACK™

HEAVY-DUTY PICKUP RACK FOR EMERGENCY LIGHTING



WHELEN®

AMERICAN EMPLOYEES, AMERICAN MANUFACTURING, AMERICAN PRIDE!



FLEET RACK



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FLEET-RACK™

HEAVY-DUTY PICKUP RACK FOR EMERGENCY LIGHTING

Designed for mounting emergency and auxiliary lighting without wire clutter or holes in your truck body!

And because you do not have to pre-drill any holes in the rack, fleet managers will appreciate the well thought-out design of this rack for functionality, ease of up-grade and/or transfer from vehicle to vehicle.



FEATURES

- Mounts a variety of emergency lighting including full size or mini lightbars, beacons, Traffic Advisors™, auxiliary lighting and flood or spot lights. All lighting purchased separately.
- Choose the basic frame to match the vehicle, then add customer installed kit options of wing brackets, window guards, window screens and center and end mount beacon brackets.
- Pre-drilled access holes accommodate a wide range of emergency lighting products from full size lightbars to single beacons.
- Modular design allows you to easily add or change lighting as your warning needs change that is damage and trouble free.
- Advanced design with four vehicle specific models to ensure a perfect fit on your truck.
- Slim design takes up minimal bed cargo space.
- Black powder coating protects against corrosion, scratches and dings for years of maintenance free good looks.
- Super heavy-duty steel construction with rugged heavy-duty 11 gauge steel tubular framing guarantee strength and reliability.
- Impervious to weather extremes.
- Heavy-duty bolt-on system securely mounts to the bedrail of the pickup body without drilling ensuring a better resale value for your truck.
- Because of the bolt on system, it moves easily from vehicle to vehicle.
- Pem®-nuts, internally threaded fasteners, lock mounting screws securely and simply.
- Tubular design with wiring channels protect and cover wiring for security, weather protection, long-life serviceability and neat, professional appearance for your truck.
- Built tough for the long haul, rust resistant, won't bend or warp.
- Models available for Chevrolet Silverado and 2500; Ford Super-Duty, and Ford F150.
- Optional heavy-duty screens and window guards protect the driver and passengers of the vehicle, while offering additional anchor points for securing cargo.
- Window screen is designed not to block the visibility through the rearview window.
- Designed and manufactured in the USA.

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MODELS

- Base System consists of main frame and mounting.
- Base models mounts a variety of emergency lighting including full size or mini lightbars, beacons, auxiliary lighting and flood or spot lights.

Model No.	Model	Fits Vehicle	Vehicle Year
FR01	Base Model	Ford Super-Duty	2012
FR02		Ford F150	2012
FR03		Chevy Silverado and 2500 Series	2012

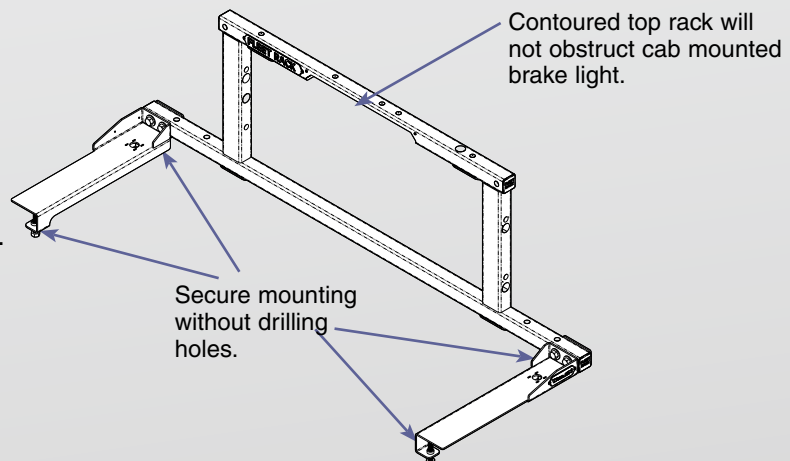
OPTIONAL KITS

- All options are customer installed and kits include all mounting hardware.

Model No.	Model	Fits Vehicle	Vehicle Year
FRCS	Center Window Screen Guard	Ford F150, Chevy Silverado and 2500 Series	2012
FRWS	Wing Window Screen Guard		
FRCSSD	Center Window Screen Guard	Ford Super-Duty	2012
FRWSSD	Wing Window Screen Guard		
FRCB	Center Window Bar Guard	Fits All	-
FRWB	Wing Window Bar Guard		
FRCBM	Whelen Beacon Center Mount Bracket		
FREBM	Whelen Beacon End or Corner Mount Bracket		

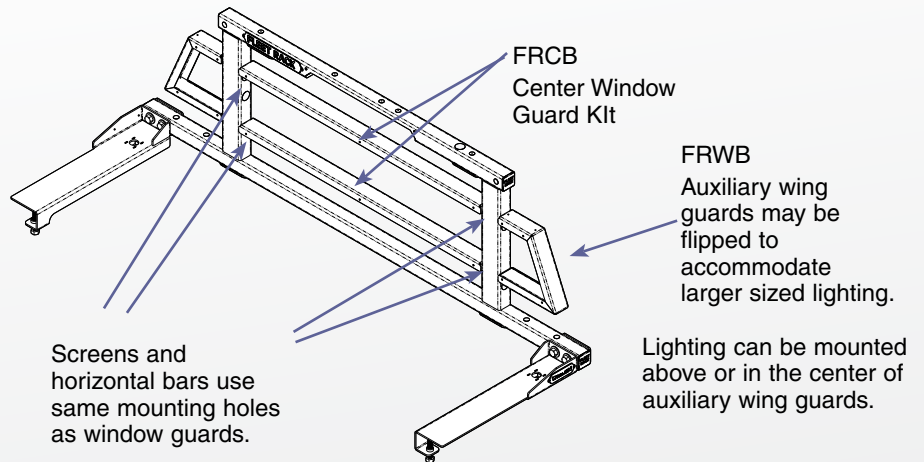
Base Model

- Designed to fit specific vehicle body styles, and includes pre-drilled holes and wire channel access for every mounting option available.



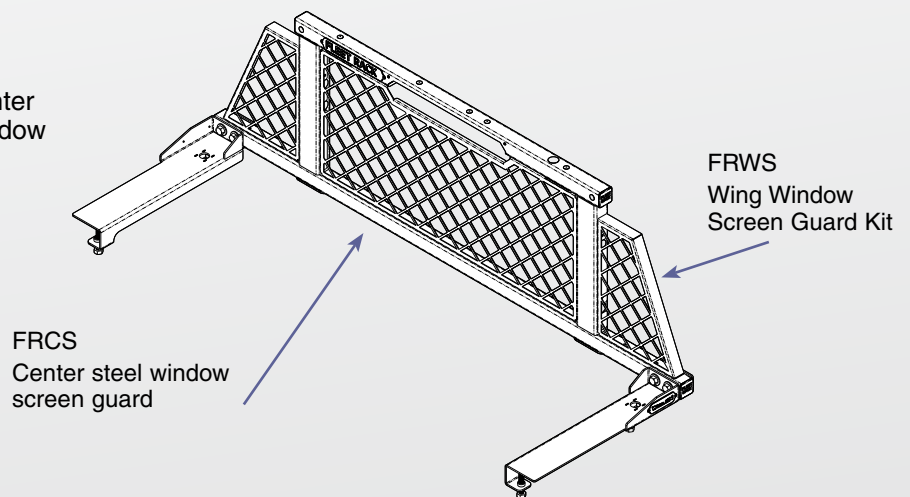
**Base model with
Optional FRWB & FRCB**

- Base model showing optional Center Window Guard Kit and Wing Window Guard Kit.



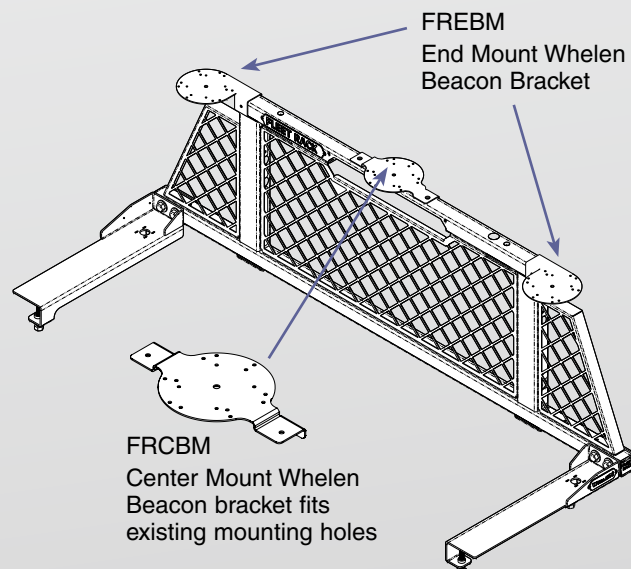
**Base model with
Optional FRCS & FRWS**

- Base model showing optional Center Window Screen Kit and Wing Window Screen Kit.



**Base model with Optional
FRCBM & FREBM**

- Base model showing optional Center Window Guard, Wing Window Guard, Center Window Screen Guard, Wing Window Screen Guard, and Center and End Mount Kits for Whelen Beacons.



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Auxiliary wing guard brackets add side window protection and keeps emergency lighting below vehicle roof line. Wing guard brackets may be flipped to accommodate larger or smaller lighting. Shown with Pioneer Plus™ Floodlighting.



Window screen is designed not to block the visibility through the rearview window. Shown with Center Window Screen Kit and Whelen's Micro Pioneer™ Spotlights, ION™ surface mount lightheads and Century™ Lightbar.



Tubular design with wiring channels protect and cover wiring for security, weather protection, long-life service-ability and neat, professional appearance for your truck.



Super heavy-duty steel construction with rugged heavy-duty 11 gauge steel tubular framing guarantee strength and reliability.



Wing bracket kits with steel mesh screen gives rear window full coverage for protection to glass and occupants of the vehicle plus it supplies additional cargo anchor points.



Heavy-duty bolt-on system securely mounts to the bedrail of the pickup body without drilling ensuring a better resale value for your truck.



Fleet-Rack will not obstruct cab mounted brake light. Shown with optional horizontal window guard brackets.



Slim design takes up minimal bed cargo space. Mounts warning light above truck cab for maximum visibility. Shown with Century Lightbar.

WHELEN CORPORATE CAPABILITIES



Where it all began.....

It All Started 1952 in a Garage with the First Rotating Beacon.

A privately owned company, Whelen has experienced positive growth for over 60 years. The pride and commitment of its work force, whose employment longevity averages over 22 years, is rewarded through a profit sharing plan established by the Whelen family since the company was founded.

The development of the first aviation light helped launch Whelen into the automotive safety lighting industry as well. Whelen currently provides safety lighting for Police, Fire, EMS, and DOT professionals as well as many other industries. The production volumes seen in the automotive sector have allowed Whelen to invest in the latest automated assembly equipment in order to compete world-wide. Last year Whelen purchased over 44 million LEDs for use in their extensive family of products. In the 1970s Whelen introduced the Outdoor Warning Siren ... totally electronic and capable of not just warning tones but also high-powered voice messages. The Mass Notification Division has saved lives around the world.

At Whelen Engineering, our goal is to bring innovative, life saving products to market more quickly while maintaining strict quality control throughout the process. We have accomplished this through a vertical manufacturing initiative to eliminate or reduce out-sourcing; the use of robotics and state-of-the-art production equipment; and, perhaps most importantly, a motivated workforce of over 1100 employees. This allows us to meet and adapt to our customer's changing needs in the shortest amount of time.

- Two manufacturing facilities totaling over 586,000 square feet.
- Largest staff of Design Engineers in the industry.
- Research and development.
- Partnering with OEMs on new vehicle design and product integration.
- Plastics injection molding machines from 30 to 2000 tons capacity.
- In-house plastics, hard coating, metallizing, and sheet metal fabrication.
- On-site test lab for environmental dust, moisture, vibration, etc, acoustic anechoic sound chamber, industry certifications (SAE, AMECA, FAA to name a few).
- Sales and Technical Personnel are trained at the factory training center and return for updates on a regular schedule.
- Worldwide network of Sales, Service and Training.

MANUFACTURING FACILITIES



Corporate Headquarters, Chester, Connecticut



Charlestown, New Hampshire Division

WHELEN®

DESIGN & ENGINEERING

The largest staff of Design Engineers in the industry! Many of our Engineers are Fire Volunteers and EMTs so they know firsthand the critical need for life saving, innovative products.



3-D Product Design



Whelen's Professional Design Engineers

INJECTION AND VACUUM MOLDING

1600 molds, 38 molding machines from 30 to 2000 tons, 20 million parts produced every year. Vacuum machines produce irregularly shaped components not suitable for injection molding.



Injection Mold Making



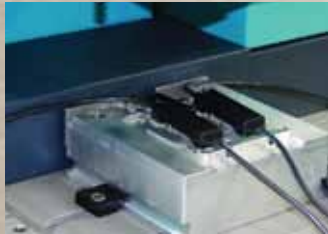
3-D Tool Designs



1700 Ton Molding



3 Trimming Formed Parts Machines



5 Over Molding Electronics Machines



38 Robotic Molding Machines



Die-Cast Tool Making



Aircraft Lens Mold Making

ELECTRONICS MANUFACTURING

Surface mount and through-hole circuit boards are manufactured, assembled and tested In-circuit.



14 Transformer Winding Machines



15 Cable & Wire Machines



5 Electronic Board Assemblies



12 Electronic Board Testing Machines



Electronic Assemblies



SMT Assemblies



Lightbar Production



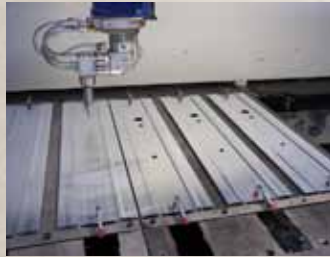
Automatic Robotic Cable Assembly

FABRICATION

Robotic and laser cutting and drilling, Robotic Bending Cells for stand-alone operation. All machine parts are produced and maintained by automated production machine shops in New Hampshire and Connecticut.



Five-Axis Laser



Cutting Center



4 Laser Cut Punch & Tapping Centers



8 Metal Forming Machines



Transformer Manufacturing



8 Wire Cutting, Stripping & Terminals Machines



Inventory



Automatic Kit Bagging

FINISHING PROCESSES

Hard coating of lenses and powder coating housings make them resistant to weather and abrasion. Metallizing reflectors adds reflectivity and helps prevent corrosion and oxidation.



Powder Coating



Moisture Proof Coatings



Silicone Hard Coating



5 Vacuum Metalizing Reflector Machines

PRODUCTION MACHINE SHOP

The production machine shop uses state-of-the-art milling machines, CNC lathes and screw machines to make the precision parts required for our products.



2 High Speed Screw Machines



Robotic Five-Axis 48 Pallet Milling Center



15 Milling and Turning Centers

QUALITY CONTROL AND TESTING

Quality Control is maintained throughout the manufacturing process. Certified test labs on site facilitate product development and shorten lead times.



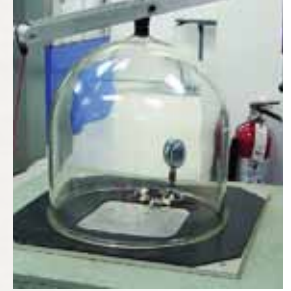
EMI



RF



Corrosion



Atmospheric



Rain



Vibration



Dust



Environmental



Photometric Chamber



Acoustic Chambers



Quality Control & Reliability Testing

REPAIR, SERVICE AND TRAINING

Whelen's Repair Goal is to get product repaired and back out the door to you within 24 hours. Authorized Service facilities are located around the globe. Training is available not only at the Chester Training Facility but at sites around the country. All Whelen Authorized Managing Sales Representatives and technicians return to the plant several times a year for new product introduction and advanced training.



Repair Service Technician



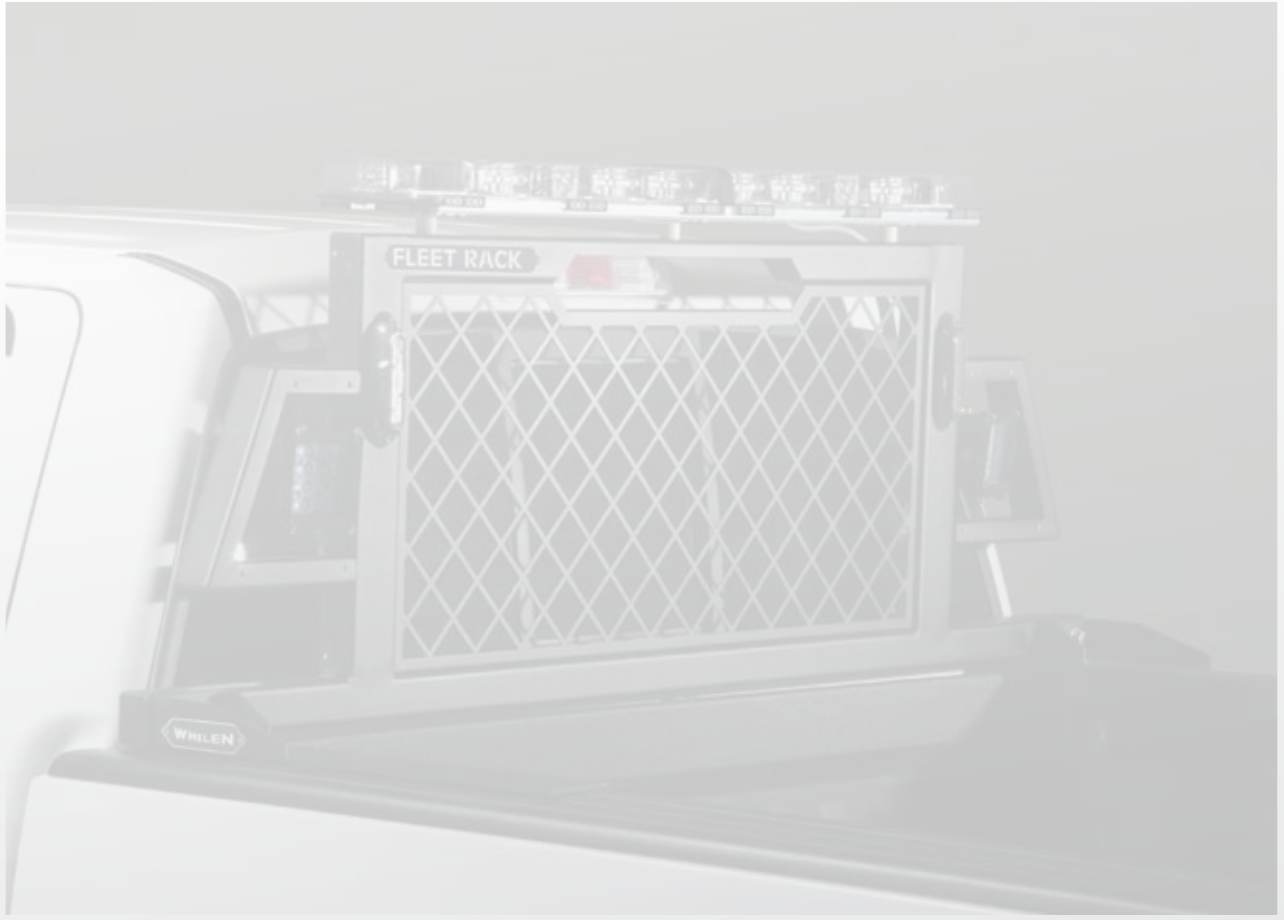
Electronics Technician



Technical Support



Chester Corporate Training Facility



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American Employees, American Manufacturing, American Pride!