

THE QUEST

STANDARD
ROLL CAGE CAB DESIGN

UP TO 600 HP
ENGINE

3/16"
EXTRUDED ALUMINUM CAB

LIFETIME
FRAME & CROSSMEMBER WARRANTY

Thanks to you, the redesigned Quest custom chassis now offers improved ergonomics, improved visibility, increased cab storage, increased options and additional cab lighting. Not to mention, a more aggressive styling.





BY POPULAR
REQUEST

ONE OF THE INDUSTRY'S BEST CABS
IS NOW EVEN BETTER - THANKS TO YOU.



Through extensive voice of the customer research, you helped us make one of the industry's leading cabs even better. And the more aggressively styled grill isn't the only thing different about our new Quest cab. From more visibility and storage to better ergonomics and a more robust option set all on the same proven roll-cage cab design, the Quest custom cab is yet again raising the bar.

- Improved Ergonomics
- Improved Visibility
- Increased Cab Storage
- Increased Option Set
- Additional Lighting



IMPROVED STYLING

The redesigned stainless steel front end doesn't just look tough, it's designed smarter as well. The quad staggered headlights offer options for integrated turning signals or daytime running lights, with optional LED headlights as well. It's also designed with an extremely robust cast aluminum front fascia.

VISIBILITY

While the Quest has always offered an expansive 3728 square inch, two-piece windshield, we lowered the center dash and raised the overhead console. The result – industry-leading visibility.

WIPERS

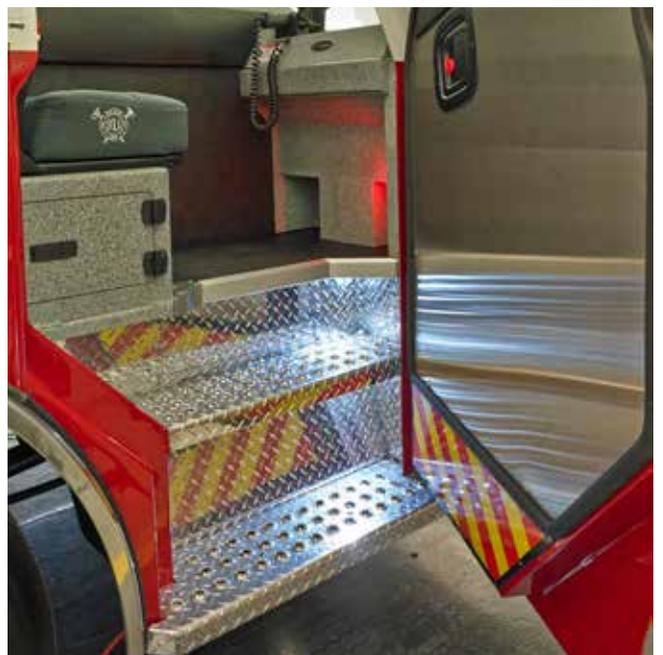
Heavy duty, tubular wiper arms with 32" blades that also clear the area in front of the mirrors – an industry first.

ERGONOMICS

The need to improve ergonomics in E-ONE custom cabs was the driving force behind the original Quest cab. For the redesign, we took those improvements even further. We've made it even easier to enter and exit the cab by lowering and widening the first step and by adding integrated LED lighting in the step well area. In addition, the seats in the rear of the cab can be placed at a slight angle to make donning SCBA's easier for the crew.

MIRRORS

Cab mirrors are now available in both cab-corner or west-coast style placement. Cab corner mirrors are available with top convex, bottom convex, and heated glass.





INTERIOR OPTIONS

Whether you need the ruggedness of a severe duty interior or the refined look of formed composite material for an automotive styling, the redesigned Quest now offers both interiors to meet your department's needs. The severe duty option offers both texture painted and stainless steel door panels as well.

STEERING WHEEL

Convenient steering wheel buttons for wiper functions as well as supplemental control of master warning, air horns, and auxiliary brake. For your customization needs, three auxiliary buttons are provided and labeled with "1," "2," and "3" to meet individual department requirements.

WINDOWS, LOCKS & PEDALS

The Quest now offers manual or power windows, manual or power locks, and fixed or power adjustable throttle and brake pedals.

STORAGE

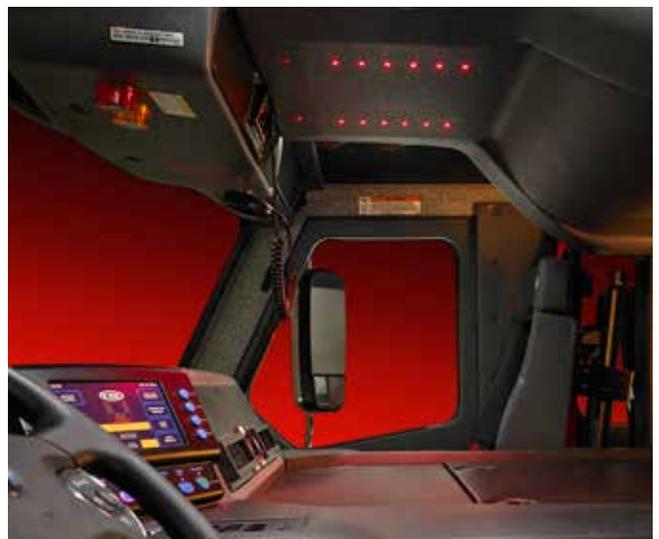
The redesigned cab offers even more storage than before. Storage bins under the rear-facing passenger seats not only hold mission critical items but personal items as well. The officer-side kick plate features strategically placed integrated recesses to create up to 346 cubic inches of additional legroom.

POWER

Today's firefighters are more connected than ever before, but that connection creates a need for power. We addressed that need by integrating power sources throughout the cab. Not only are there USB and 12 volt outlets available in the center dash for the driver and officer's needs, but also offer USB and 12 volt outlets below the rear facing crew seats as well.

LIGHTING

Because not all emergencies occur during the daytime, in-cab lighting is critical. We've added red ambient lighting throughout the cab to improve visibility without distracting the driver. Front wash lights continually illuminate the center dash while two rows of pin lights over the engine cover can be activated when needed by either the driver or officer. Throughout the cab, we've strategically placed red LED floor lighting and storage bin lighting to improve the crew's visibility as well.



STRONG FOUNDATION

LEADING THE INDUSTRY FROM THE GROUND UP.

Manufactured from the ground up, the E-ONE Quest chassis offers a strong foundation for years of performance:

- C-channel frame 10.25" x 3.5" .375" with 110,000 psi heat treated steel and 16.61 cubic inch section modules deliver 1,827,045 inch pounds resistance to bending moment. This strong frame carries a lifetime warranty that includes the cross members. In the case of aerial applications above 78 feet, an integral torque box chassis is employed.
- Heavy-duty Sheppard steering system is vendor reviewed and approved. Industry-leading 45-degree cramp angles provide excellent maneuverability in close quarters.
- Third-party certified aluminized steel fuel tanks with stainless steel restraining straps.
- Optional 17" front and rear disc brakes improve brake performance over traditional systems.
- Engine intake draws air through the grill, ahead of the radiator, above headlight level preventing water ingestion from standing water.
- Optional galvanized frame rails and crossmembers for superior corrosion protection.



Structurally superior cabs

Each E-ONE cab is designed and built with a structural cage design to provide maximum protection and comfort for firefighters. Structural extrusions including sub-frames, a full flange wishbone frame rail, center uprights, and crossbeam extrusions are engineered for optimum performance. Horizontal and vertical supports handle severe vertical loads which can occur in accidents. The perimeter skin material is made of 3/16" aluminum-alloy plate for added strength.

As an integral part of the custom chassis structural design, the cab's sub-frame is locked together in front by a C-channel extrusion, and reinforced by multiple cross members below the rear cab floor.

The only cab in the industry with a "built-in" roll cage. Vertical support extrusions are welded to the sub-frame and the main roof cross beam, providing superior protection in the event of an accident.

Constructed with four-sided seamless extrusions interlocked and welded to 3/16" aluminum plating on the floors, rear walls, side walls, door skins and roof.

All-welded construction. No adhesives.
No formed panels. No fiberglass nose.





Tested to Perfection

The Quest, like all E-ONE custom cabs, is rigorously tested to ensure it exceeds industry standards to offer you one of the strongest cabs in the industry.

- Third-party frontal impact testing – exceeds SAE J2420 requirements
- Third-party static roof load testing – exceeds SAE J2422 requirements
- Third-party testing to ensure effective timing and deployment of roll-over and frontal impact protection systems
- Strain gauge testing to validate finite element analysis models and verify structural safety factors
- On-site tilt-table testing to validate electronic stability control requirements
- Third-party validated electrical load testing
- EMI testing to comply with SAE J551 radio frequency interference and electromagnetic interference requirements
- Third-party HVAC testing to ensure optimal performance
- On-site cab water leak testing
- Brake systems tested to Federal Motor Vehicle Safety Standard 121
- Engine installation testing to ensure cooling and after treatment meet engine manufacturers' requirements
- Driveline analyzed to ensure performance and durability
- Third-party independent front suspension testing to validate chassis frame strength requirements
- Each unit road tested on varying terrains and speeds



PROTECH

The Quest cab is available with E-ONE's exclusive ProTech system which offers the industry's leading accident prevention and protection technology. The system includes collision warning and mitigation, electronic stability control, occupant detection, camera systems, backup sensors, and a comprehensive airbag system that includes not only side roll protection but also a steering wheel airbag, driver knee airbag and officer knee airbag.

THE QUEST

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| ENGINE | 330-600 HP |
| TRANSMISSION | ALLISON EVS 3000P ALLISON EVS 4000P ALLISON EVS 4500P |
| ALTERNATOR | UP TO 430AMP (SINGLE) UP TO 640AMP (DUAL) |
| GVW RATING | FRONT: UP TO 24,000 LBS REAR: UP TO 62,000 LBS |
| FRAMES | C-CHANNEL: 10.25" HIGH - UP TO 3.2 MILLION RBM 12" HIGH - UP TO 4 MILLION RBM INTEGRAL TORQUE BOX: UP TO 19 MILLION RBM |
| CRAMP ANGLE | UP TO 48 DEGREES |
| BRAKE SIZE | STANDARD: S-CAM - 16.5X6 FRONT, 16.5X7 REAR OPTIONAL: 17" DISC - 16.5 X 8.625 S-CAM |
| CAB LENGTHS | MEDIUM: 58" LONG: 68" EXTENDED: 80" |
| VISTA ROOF HEIGHTS | 12", 16", 20" |
| SEATING CAPACITY | UP TO 10 |
| ELECTRICAL SYSTEM | MULTIPLEX |
| ROLL CAGE CAB | STANDARD |
| SIDE & FRONT AIRBAGS | OPTIONAL |
| STABILITY CONTROL | G4 OPTIONAL |
| COLLISION MITAGATION | OPTIONAL |
| FRONT SUSPENSION | SPRING: STANDARD IFS: OPTIONAL |
| REAR SUSPENSION | SPRING: STANDARD AIR RIDE AND RUBBER SPRINGS: OPTIONAL |
|  | CONTACT US AT E-ONE.COM OR CALL 352-237-1122 FOR A DEALER NEAR YOU. |