

Protect your crew with **PROTECH**

AIRBAGS

DRIVER FRONT & KNEE, PASSENGER KNEE, AND REAR HEAD CURTAINS

ONGUARD

COLLISION MITIGATION SYSTEM

G4

ELECTRONIC STABILITY CONTROL

CREWGUARD

OCCUPANT DETECTION SYSTEM

E-ONE's all new ProTech™ occupant protection system integrates the latest prevention and protection technology into our industry-leading apparatus designs to offer an all-encompassing safety technology package unlike any other in the industry.



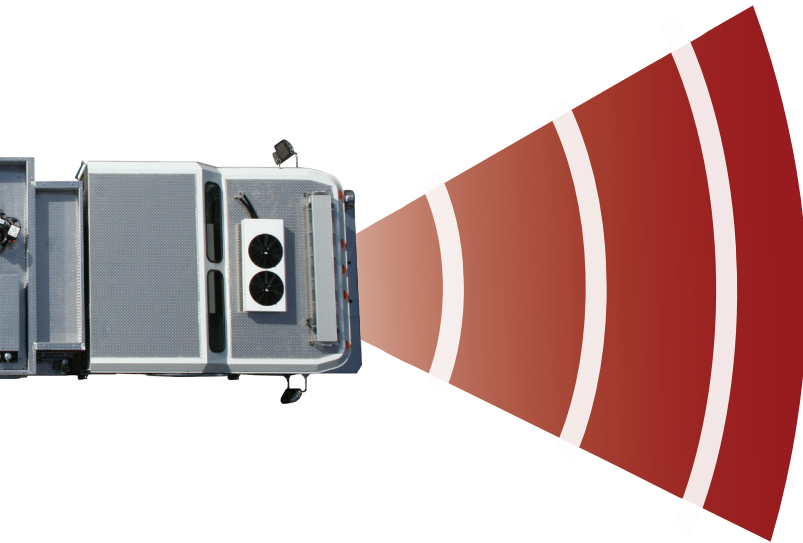
530 JOHN L. DIETSCH BOULEVARD
NORTH ATTLEBORO, MA 02763



PREVENTION

Avoiding the accident is **Priority #1**

Because avoiding an accident is the best way to protect your crew and community, E-ONE's ProTech system features the unique OnGuard® collision warning and mitigation system, G4® (electronic stability control), the CrewGuard™ occupant detection system, a 360-degree camera system and backup sensors.



ONGUARD

OnGuard, originally developed for the on-road trucking industry, was adapted in partnership with E-ONE and MeritorWabco to meet the sensitive high-traffic situations often encountered by firefighters driving to and from calls. OnGuard detects developing rear end collisions and offers audible and visual warnings to the driver. When necessary, OnGuard automatically intervenes by de-throttling and aggressively applying the brakes to avoid or minimize the impact of an accident.

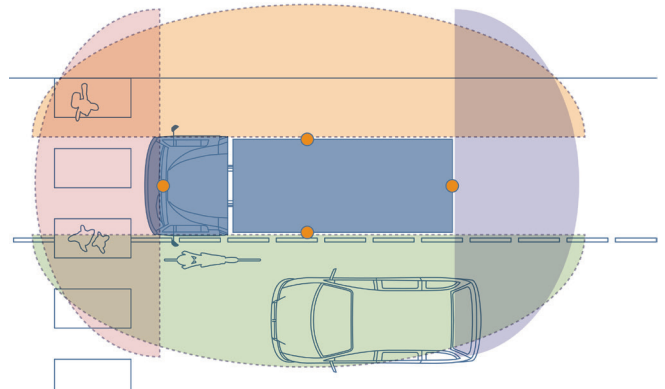
G4

G4®, E-ONE's exclusive electronic stability control system, ensures you make it to the scene quickly and safely, even when you're behind the wheel of the heaviest of vehicles. G4 utilizes sensors on each wheel to constantly monitor driving conditions. When critical lateral acceleration is detected or if the tires begin to slip, the system intervenes to offer more stability during evasive maneuvers and more confidence behind the wheel.



360 DEGREE VIEW

ProTech is available with one of the most innovative camera systems available today. The 360-degree camera system provides a complete "bird's eye view" of the apparatus with special views triggered by reverse, turn signals and park brake inputs. An optional DVR records the scene entirely around the apparatus. When paired with back-up sensors, the camera system helps the driver and officer maintain a high level of awareness of their surroundings.



CREWGUARD

CrewGuard™, E-ONE's occupant detection system, offers audible and visual warnings when crew members are not safely buckled in.

PROTECTION

Or as we like to call it,
ProTech-tion



AIRBAGS

Because accidents are sometimes unavoidable, E-ONE paired its industry-leading roll cage cab design, which exceeds NFPA and SAE requirements, with IMMI's RollTek® and 4Front® technology to offer roll-over protection and frontal airbags. Frontal protection locations include a steering wheel airbag, driver knee airbag and officer knee airbag – an industry first. When a roll-over or impact is detected, integrated seat belt pretensioners tighten, holding occupants firmly into place, and strategically placed airbags deploy to lessen the impact's effects on the crew.

ROLL CAGE CAB

Each E-ONE custom cab is designed and built with a structural roll cage cab design to provide maximum protection 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 sheet for added strength.



PROTECH

ONGUARD

- Uses forward-looking radar to detect developing rear end collisions
- Provides audible and visual warnings
- Automatically intervenes by de-throttling and aggressively applying the brakes
- Avoids or mitigates the impact of rear-collision accidents

ROLL CAGE CAB

- Sub-frame structural extrusions
- Full-flange wishbone frame rail
- Center upright extrusions
- Crossbeam extrusions
- Horizontal supports
- Vertical supports
- 3/16" aluminum-alloy perimeter cab skin

AIRBAGS

- Steering wheel airbag
- Driver knee airbag
- Officer knee airbag
- Integrated seat belt pretensioners

G4

- Electronic Stability Control
- Constantly monitors driving conditions
- System intervenes when critical lateral acceleration is detected
- Offers more stability during evasive maneuvers

CREWGUARD

- Occupant detection system
- Integrated into electronic display or separate indicator
- Audible warnings
- Visual warnings

CAMERA SYSTEM

- 360 degree "Bird's eye view" of apparatus
- Triggered by reverse, turn signals and park brake inputs
- Optional DVR records scene around apparatus
- Conventional rear, right and left cameras also available

BACKUP SENSORS

- Warns driver of potential obstacles at rear of vehicle
- Audible warning tells operator the countdown of remaining distance in feet as vehicle reverses
- Sensors at rear of vehicle capable of operation in fog, rain, smoke and snow