

**SOLUTION**

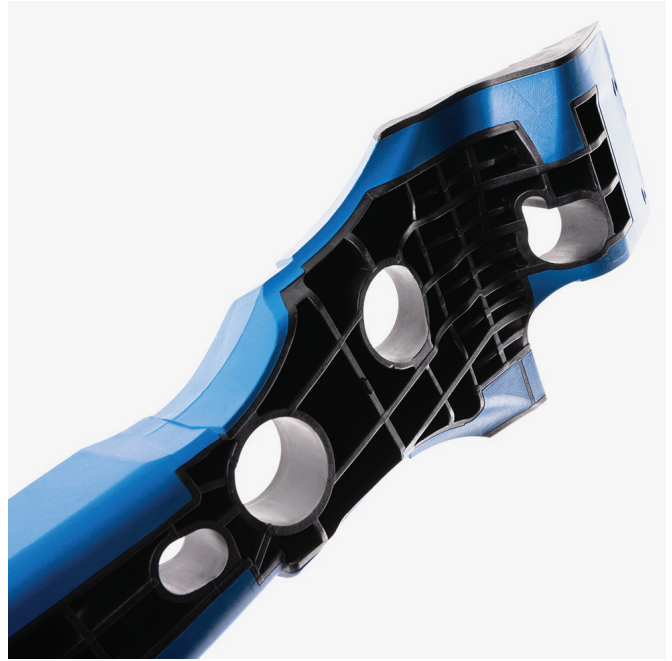
L&L Reinforce

VERSION

February 2021

Composite Body Solutions

Structural Reinforcement Technology.



L&L's CBS structural reinforcement technology improves vehicle body structure performance. Our technology enables weight to be reduced, while maintaining or improving vehicle durability, stiffness, and crash worthiness.

During a crash event L&L CBS technology provides both section integrity and load path management. This allows energy to be transferred through the body structure while minimizing deformation and intrusion.

Improved NVH performance is achieved when our structural reinforcement technology is integrated into the body structure. Durability issues, such as metal fatigue, are also eliminated when L&L technology is utilized for localized reinforcement.

In addition local and global stiffness improvements can be attained as a result of L&L's technology increasing the stability of joints and sections within the body structure.

BENEFITS INCLUDE:

- Load path management
- Section integrity
- Lightweighting potential
- Improved stiffness
- Increased durability
- Reduced implementation timing
- No impact to the body shop

CRASH SCENARIO SOLUTIONS FOR:

- Small overlap
- Roof crush
- Frontal crash
- Side impact
- Rear crash

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