



## Body Interior

# Storage Box Interlocking Down Stop

### *OEM/Vehicle*

**Ford Motor Company  
2018 Lincoln Navigator**

### *System Supplier*

**DMS**

### *Material Processor*

**DMS**

### *Material Supplier*

**Advanced Composites**

### *Resin*

**ATX 832N PP**

### *Tooling/Equipment Supplier*

**Lamko Tool & Mould Inc.**



An interlock is integrated into the traditional GB down stop design to make the TPO down stop super strong and still achieve very low disengagement effort for service and assembling. For the traditional design, low disengagement effort for service or assembling and robust down stop for customer abuse conflict with each other. Making one better will worsen the other. The interlocking down stop design decouples the two and allows for engineers to lower the disengagement effort and strengthen the down stop as needed. This results in a cost savings of \$.90 per vehicle (\$.50 piece price savings and \$.40 labor savings) compared with removable down stops.