Adient’s magnesium front-seat structures reduce weight, simplify assembly and improve design flexibility

What’s Different:
Lightweight cast magnesium seat structures offer a very good strength-to-weight ratio, design flexibility and excellent dimensional stability. Modular designs with products such as our height adjuster series HA3000®, Track 3000® asymmetric tracks and the 3000® series recliners make these world-class structures adaptable to virtually any platform or body type.

Why it Matters:
Magnesium is the lightest of all structural materials to help improve fuel economy while maintaining structural integrity.

Why it Matters:
- Lower mass: Magnesium is 75 percent lighter than steel and 33 percent lighter than aluminum.
- Elaborate design: Complicated thin-wall near net shape castings allow designs nearly impossible with typical steel.
- Ease manufacturing: Individually designed components consolidated into a single cast magnesium frame improves rigidity, reduces weld cost and assembly time compared with typical steel designs.
- Reduce technical risk: Proven components with well-established quality and performance plus superior repeatability and dimensional stability and control deliver reliability you can count on.
- Environmentally green: Fully recyclable.

When it’s Available:
In production 2016.