



Chassis/Hardware

Plastic Clip for Door Integrated Window Regulators

OEM/Vehicle

**Ford Motor Company
2017 Ford Fiesta**

System Supplier

Brose

Material Processor

Brose

Material Supplier

Omni Plastics

Resin

Omni Lon 6/6 PA66

Tooling/Equipment Supplier

A. J. Raymond



These industry first plastic clip attachments secure the IWR mechanism to the side doors (46 clips/vehicle). They replace metal fasteners and weld nuts for a weight savings of .44 lbs per vehicle. Estimated cost savings include \$350K for reduced cycle times, \$210K for scrap cost elimination and \$250K per plant as no tools are required. Customer benefits include improved fuel efficiency, better crash performance (energy absorption) due to the flexibility of the carrier, improved NVH and acoustic performance of the doors.