



## Chassis / Hardware

# Sonic Welded Fog Lamp and Air Curtain Bracket

### *OEM/Vehicle*

Ford Motor Company  
2018 Ford Mustang

### *System Supplier*

Flex-N-Gate

### *Material Processor*

Flex-N-Gate

### *Material Supplier*

SABIC

### *Resin*

TPO

### *Tooling/Equipment Supplier*

Omega Tool Corporation



This one-piece, sonic welded, bracket with fog lamp attachments forms an air curtain for greater fuel efficiency. It also provides additional stiffness to the fascia assembly and reduces visible sink marks on the class A fascia surface. A living hinge, molded into the bracket, forms the duct for the air curtain itself. An annual weight savings of 0.2 lbs per vehicle is achieved and 1,620,000 fasteners are eliminated annually. There is an \$800,000 savings over the life of the program, as well as a \$230,000 tooling savings.