

Design

The GM energy absorber has thicker cell walls in the main crush zone than the non-OEM part. Crush zones help absorb the impact of the crash thereby reducing damage to the vehicle.

The non-OEM rear beam is missing the reinforcement channel, which is designed as a stiffener and helps keep the part from unnecessary flexing in a crash.



Genuine GM Part



Non-OEM Part

Materials

The GM beam is formed from a single piece of metal while the non-OEM beam is made from two overlapping, spot-welded pieces. This design allows the GM beam to better distribute energy in a crash.

The walls of the energy absorber are up to 2.3 mm thicker on certain areas of the GM part. Wall thickness helps dictate how the impact of the crash is distributed throughout the part and to the vehicle.



Request Genuine GM Parts

It is your right to have your vehicle restored to pre-crash condition and that includes using original replacement parts from your vehicle's manufacturer.

Check your insurance policy now for genuine parts usage. If genuine parts are not specified, request a policy that states only OEM parts be used to repair your GM vehicle.

Impacting Collision Repair

What you need to know

Warranty

General Motors warranty does not cover imitation parts or adjoining parts and systems that are caused to fail by the use of such parts.



Why settle for imitation parts that may not measure up in design, materials, fit, assembly or comparative testing?

For more information visit:
www.gmgoodwrench.com



The Differences are Clear



Welds

The GM beam has six significantly larger welds while the non-OEM beam has ten smaller welds. GM engineers specifically locate welds in certain areas so they will help to absorb and distribute the energy from an impact.



Genuine GM Part



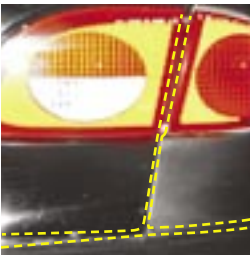
Non-OEM Part

Fit

Before assembly, the rear fascias look similar, however, after installation there is a noticeable difference in the trunk lid and fascia fit. The poor fit requires additional labor to position the part and may affect your vehicle's resale value.



Genuine GM Part



Non-OEM Part

Impact Testing

Replicating the Insurance Institute for Highway Safety's 5 mph rear-into-pole test caused a large dent on the decklid and trunk floor panel of the vehicle using non-OEM parts. The non-OEM parts were significantly deformed after the test, causing an incorrect fit.



Genuine GM Part



Non-OEM Part

Final Results

Engineers found that the differences in bumper components greatly affected part performance. The use of non-OEM parts resulted in more damage to the vehicle, increased costs \$1,500, and extended repair time.



Genuine GM Part



Non-OEM Part

Quality

When your vehicle needs repair, you have the right to choose parts made by the original manufacturer or copies of those parts made by other companies. To understand the differences, General Motors conducted tests on the three main components of the 2001 Chevrolet Cavalier bumper system – the rear fascia, energy absorber, and bumper beam. The comparative tests clearly showed that the tested aftermarket parts were inferior in design, materials, fit, and assembly.

Findings

Genuine GM Parts

- Proper fit and same materials as original parts
- Larger welds
- Efficient repairs

Genuine GM parts provide the opportunity to return your GM vehicle to pre-accident condition.

Tested Non-OEM Parts

- Missing features
- Greater potential impact damage
- Different design and materials
- Damage exceeds vehicle equipped with genuine GM parts by approximately \$1,500.

Clearly not "functionally equivalent" to genuine GM parts.

Request genuine GM parts. The smarter choice.

**Always request genuine GM parts.
It is your right.**

The Logical Choice.

