

2013 ILX & ILX Hybrid Series: Body Repair Information

APPLIES TO

2013 ILX & ILX Hybrid Model Series

DISCLAIMER : This publication contains a summary of body and vehicle technology that may affect collision and other body repairs. Always refer to the appropriate service information and body repair manual (BRM) for complete repair information. A subscription may be purchased at techinfo.acura.com.

OVERVIEW OF BODY FEATURES



For the 2016 model year, a minor model change added or upgraded these body features:

- Next-Generation Advanced Compatibility Engineering™ (ACE™) body structure.
- Introduction of 1,500 MPa ultra-high-strength-steel (UHSS) to improve frontal crash energy management through a wider range of offset and oblique collision modes.

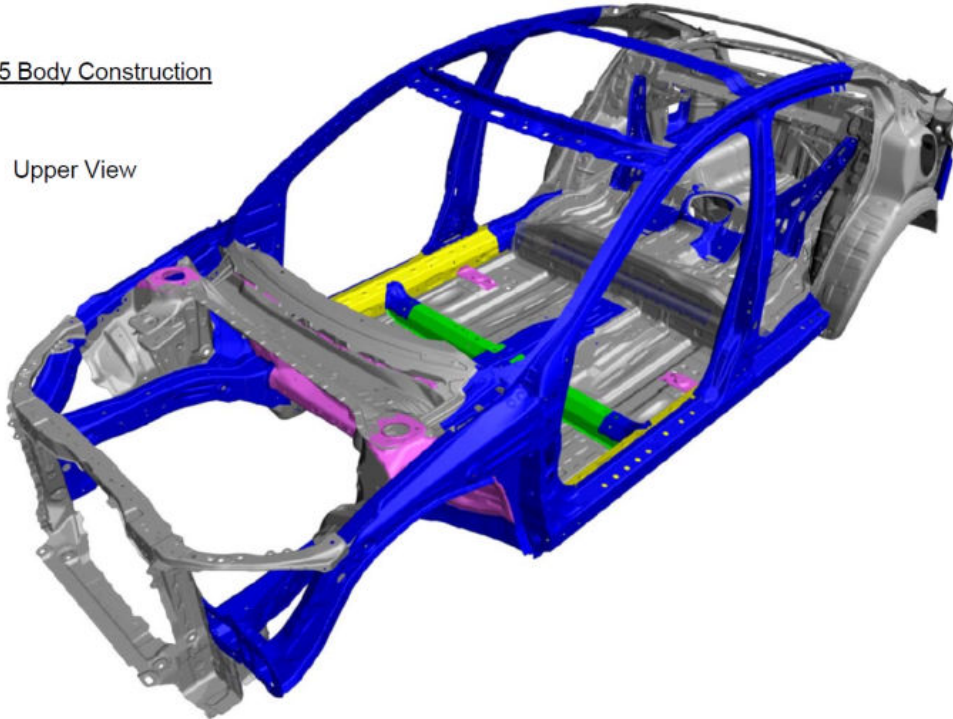
BODY TECHNOLOGY

BODY CONSTRUCTION AND HIGH-STRENGTH STEEL CONTENT - 2013–15 Models

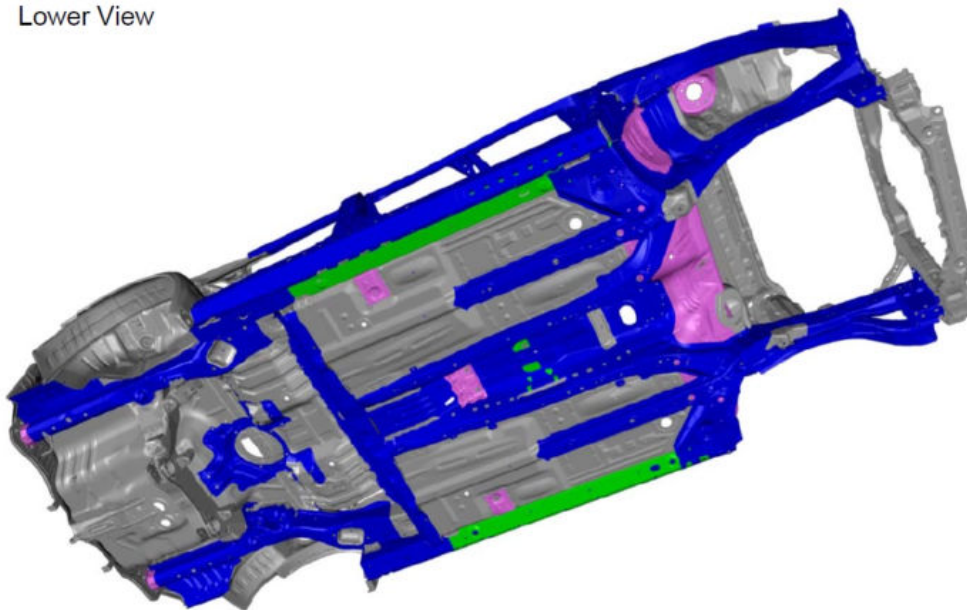
- Steel parts are color-coded based on their tensile strength in megapascals (MPa).
- High strength steel (HSS) is defined as any steel with a tensile strength of 340 MPa or higher.
- Steel repair and welding procedures vary depending on the tensile strength of the parts involved.

2013–15 Body Construction

Upper View



Lower View



270 MPa
440 MPa
590 MPa
780 Mpa
980 Mpa

Steel Tensile Strength Legend

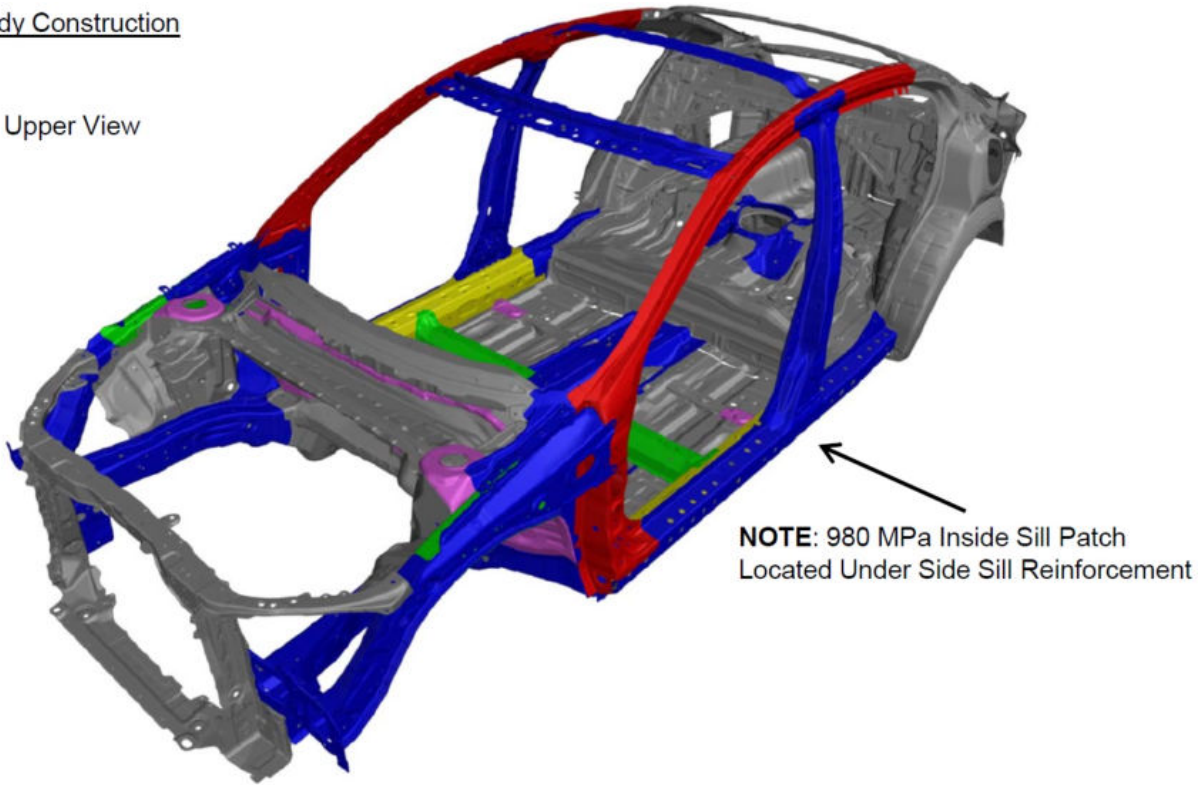
NOTE

These illustrations are for general reference only. Some body parts are constructed from multiple layers of different tensile strength steels. Always refer to the body repair manual body construction section for specific steel tensile strength information.

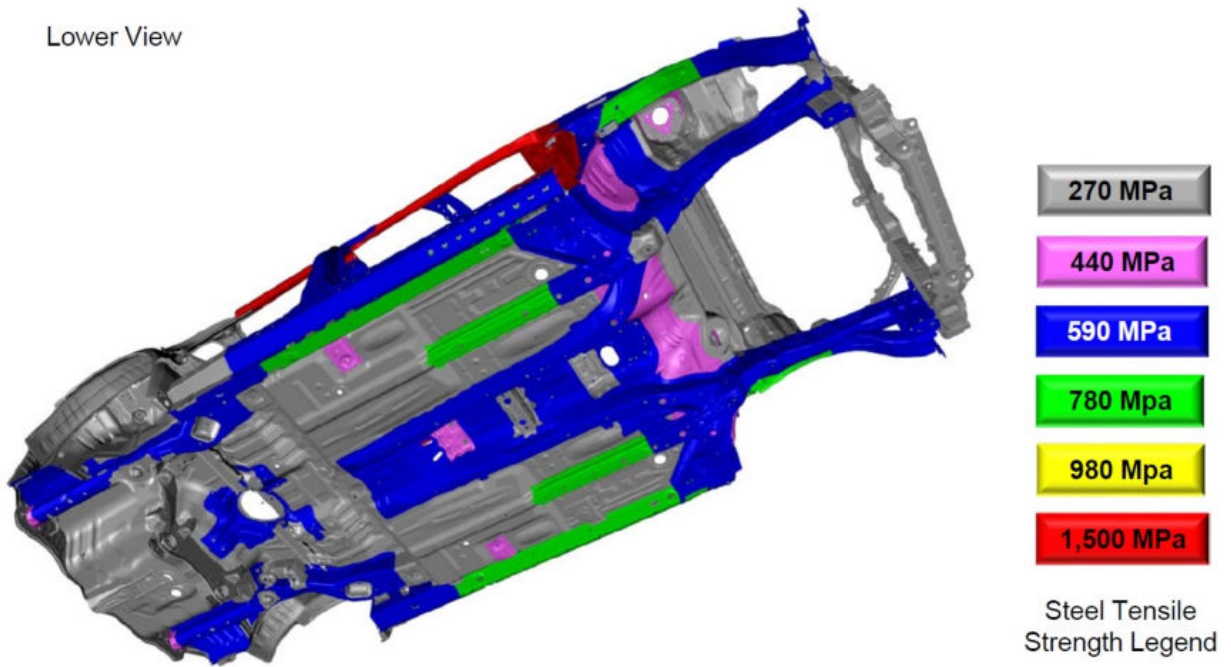
BODY CONSTRUCTION AND HIGH-STRENGTH STEEL CONTENT - 2016 MODELS

2016 Body Construction

Upper View



Lower View



NOTE

These illustrations are for general reference only. Some body parts are constructed from multiple layers of different tensile strength steels. Always refer to the body repair manual body construction section for specific steel tensile strength information.

1,500 MPa (HOT STAMP) STEEL LOCATIONS - 2016 MODELS

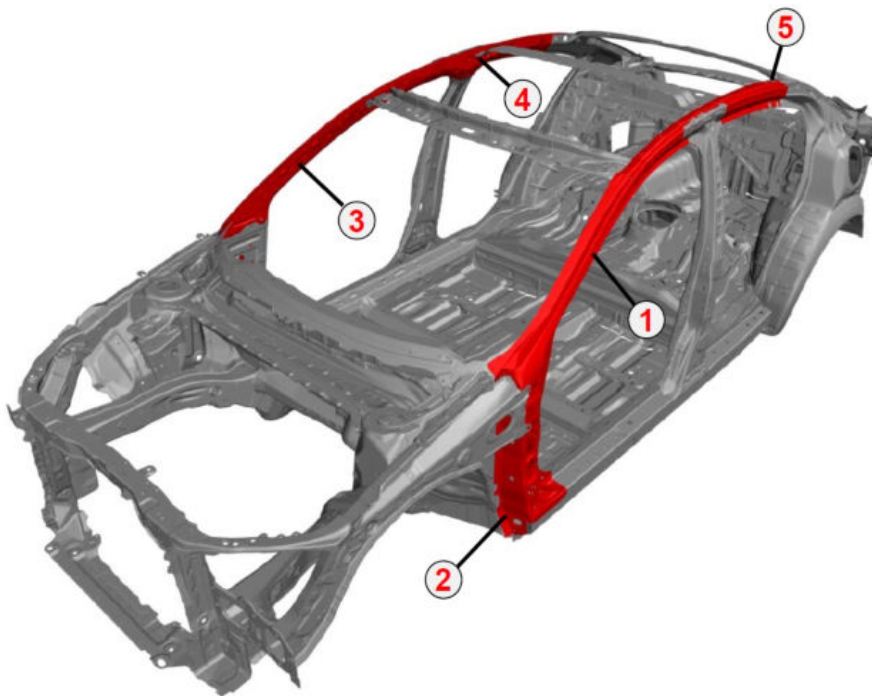
1,500 MPa steel is stronger than ordinary steel, so it can help protect vehicle occupants while reducing overall vehicle weight to improve fuel efficiency.

The numbered parts in the diagram below are constructed of 1,500 MPa steel:

NOTE

1,500 MPa steel is not used in 2013-15 models.

1. Front Pillar Upper Stiffener
2. Front Pillar Lower Stiffener
3. Front Inner Upper Pillar
4. Roof Side Rail
5. Roof Side Stiffener

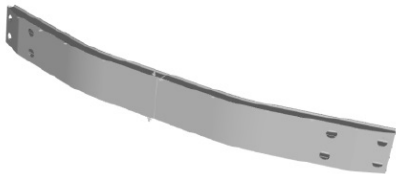


ALUMINUM PARTS & REPAIRABILITY

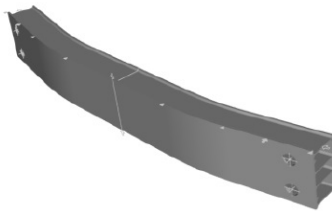
The hood panel, front bumper beam, and rear bumper beam (2013–14 ILX Hybrid models only) are all constructed of aluminum alloy.

Repairability Issues

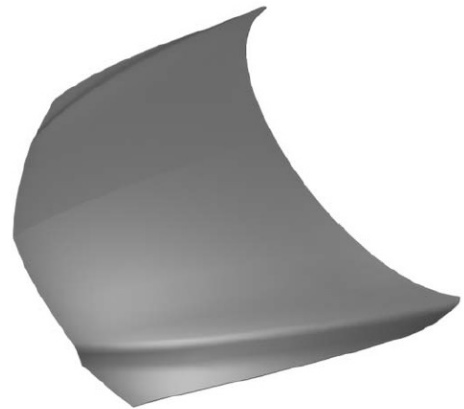
- Do not repair bumper beams if they are damaged (aluminum or steel).
- Minor damage to the aluminum hood may be repaired by body shops that have dedicated aluminum repair facilities and tools.
- To prevent galvanic corrosion, some fasteners for aluminum parts are considered one-time use and must be replaced if removed.



Front Bumper Beam



Rear Bumper Beam
(2013–14 Hybrid Only)



Hood Panel