



**NISSAN**  
**Collision Position Statement**  
**Welding Precautions**  
Reference: NPSB/18-421  
Date: December 12, 2018

**TO: COLLISION REPAIR INDUSTRY**

**POSITION STATEMENT: Welding Precautions**

FRANKLIN, TN—Nissan North America is producing vehicles with more complex systems every year. These include a variety of electronic, safety, and comfort features as well as steel alloys that reduce vehicle weight and increase safety.

Welding precautionary measures include disconnection of the battery after proper lapse time, grounding of welding machines, weld types, tensile strength testing, and restorative corrosion protection recommendations. Welding voltages average 220 volts and far exceed the 15 volt average at which today's electronics safely operate. Removal of electrical and safety components from the repair area should be done to prevent potential damages during any welding process. Electrical components can attract electromagnetic pulses emitted from welding equipment if not removed from the repair area.

It is recommended to refer to the Electronic Service Manual (ESM) prior to any repair or replacement being performed to maintain proper heat tolerances and other replacement specifications. A certified technician with proper training while using protective safety gear, tools, and equipment must perform all welding procedures.

**Parts Warranty**

Nissan North America's New Vehicle Limited Warranty and Limited Warranty on replacement parts do not apply to any parts other than new Genuine Nissan Original Equipment Parts. Nissan North America will not be responsible for any subsequent repair costs associated with a vehicle and/or part failure caused by the use of parts other than new Genuine Nissan Original Equipment Parts.

For additional collision information: [Collision.NissanUSA.com](http://Collision.NissanUSA.com)

Refer to the Electronic Service Manual (ESM) prior to any repair or replacement being performed. Information specific to each model may be found at <https://www.nissan-techinfo.com>.