



# HAIL DAMAGE 101



## What is Hail?

Hail is a form of precipitation that is solid that varies in size. The hail size and frequency is contingent on the surface temperature and size of the storm.



## What does Hail Damage mean for vehicles?

- Hail damage is defined as multiple (5 or more per panel) dents that are uniform in size and depth.
- Hail affects vehicles that is detectable via physical inspection using the gun sight method. The damage is contingent on a variety of factors.
  - These factors include but not limited to:
    - Vehicle substrate rigidity (work or bake hardened)
    - Substrate types include but are not limited:
      - Steel
      - Aluminum
      - Sheet molded composite
      - Fiberglass
      - Carbon Fiber
      - Thermoplastic
      - Thermoset
    - Severity of hail storm (some worse than others)
  - Typical areas on the vehicle affected by hail damage include:
    - Hood
    - Hood edges
    - Roof
    - Fenders
    - Fender lips
    - Doors
    - Door Edges
    - Quarter panels
    - Pillars
    - Decklid/Trunk/Cargo/Liftgate



## How is Hail Damage repaired?

- The repair methodologies vary as some dents will damage paint and/or be located in a place where access to the backside of the panel is limited.
  - Methodologies include are not limited to:
    - Body and Paint repair (when PDR is not an option)
    - Body and Paint replacement (where cost effective vs. repairs)
    - Paintless Dent Repairs (PDR)
      - PDR Picks/Hammer and Dolly
      - Hot glue
      - Suction
      - Metal Induction
      - Hot air
      - Solar



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