



CCIF
Calgary 2019

Test your knowledge



Corrosion Protection

Best practices

- Corrosion protection is often overlooked.
- Corrosion protection needs to be performed both by the Paint and Body departments.
- I-CAR, OEMs and many product manufacturers have invested a lot of energy into developing best practices for collision shops.

Question 1:

Which manufacturer forbids the use of weld through primer on all of their vehicles?

- A) Fiat-Chrysler
- B) Ford
- C) General Motors



Fiat-Chrysler changed their position on weld through primer use in 2017 for all prior, current and future models. The I-CAR RTS site states:

*"The newly updated editions of all FCA manuals **forbid** the use of weld-through primer."*

Additionally, some manufactures require the use of weld through primer, others (such as Honda) only allow it in certain areas. Many manufacturers require a Zinc rich product while copper weld through primer "is not recommended by any vehicle maker."

Question 2:

What should be applied to the inner surface of all new and repaired panels?

- A) Aerosol Etch Primer
- B) DTM Seam Sealer
- C) Cavity Wax
- D) Urethane Primer



I-CAR recommends applying 2 coats of cavity wax to the inner surface of all panels. One product manufacturer recommends 3 coats (total dry film build of 30 mils) to provide similar protection to the OEM process.



Photo Courtesy of I-CAR



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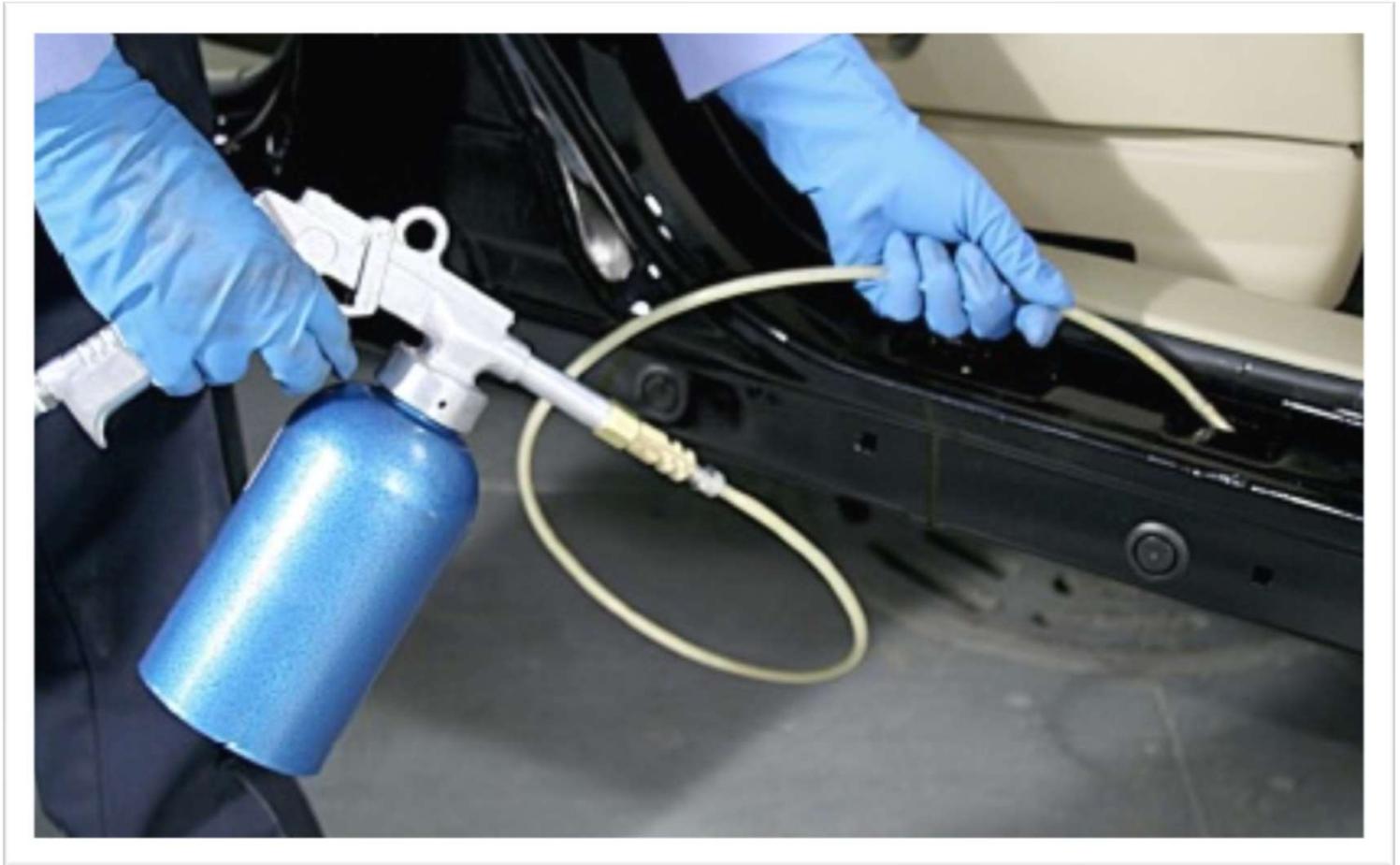


Photo Courtesy of I-CAR

Question 3:

Seam sealer should be applied on new panels (such as doors, hoods and trunk lids), pinch weld joints and lap joints.

- A) True
- B) False



True: Many manufacturers supply new bolt on panels (such as hoods, doors, trunks, tailgates, lift gates etc.) without seam sealer. Many manufacturers such as Fiat-Chrysler require seam sealer to be applied, even if the original part did not have any. Additionally, there are currently no OEM approvals for a direct-to-metal seam sealer process.

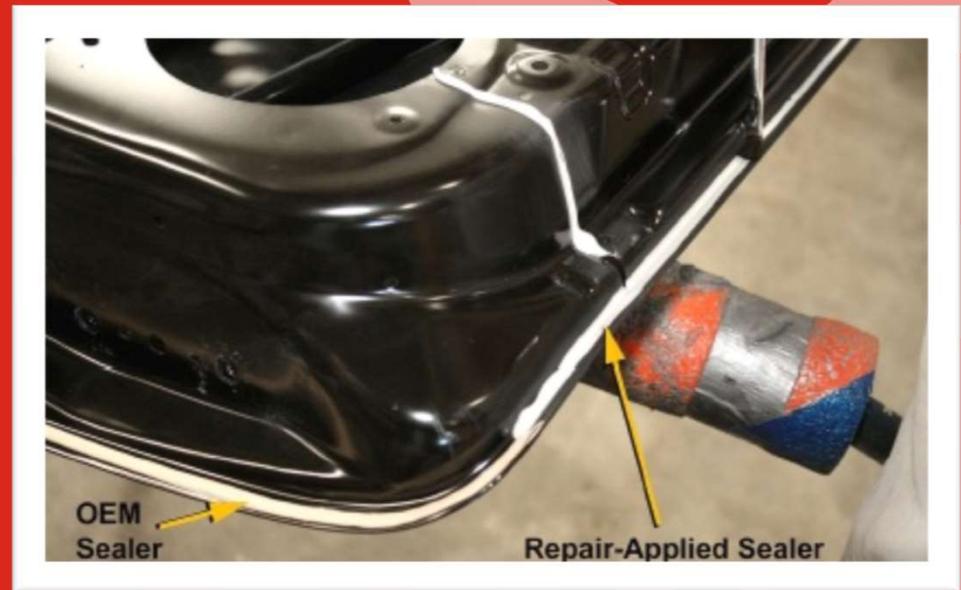


Photo Courtesy of I-CAR

Question 4:

Flex additive (on a non-flexible part), chip resistant coating (rocker guard) and paint protection film all aid in a vehicle's safety.

- A) True
- B) False



True: All of these items prevent paint damage such as rock chips. Rock chips and other damage can expose the bare metal leading to corrosion which is especially concerning in structural areas and areas that absorb or transfer energy in a collision which constitutes the entire vehicle.



Photo Courtesy of I-CAR



Questions?

Thank you from the SAIT School
of Transportation.