



June 18, 2018

## **Estimator Tip**

Mitchell and Audatex- Wire Harness and Computer Modules

Repairs requiring wiring, cables, computers or modules to be removed or set back is NOT INCLUDED in repairs or panel replacement time unless specifically noted in footnotes of the specific component you are working on. This will require an on the spot evaluation as each vehicle and model is specific due to vehicle options and various complexities running wiring in the vehicle.

Mitchell states the following:

"Computer Modules

When working with vehicles equipped with on-board computers, manufacturers recommend removal if temperatures are likely to exceed 176°F (80°C). Do not apply heat from a torch or weld in the immediate vicinity of computers without protecting them. Remove if necessary.

Many vehicles have multiple computers such as: Electronic Control Modules (ECM), Body Control Modules (BCM), individual computers for Anti-Lock Brake Systems and Electronic Suspension systems. All of these computers should be protected or removed before exposing them to high heat. Never connect or disconnect these units with ignition switch on, or charge a battery with battery cables connected. Before servicing, ground yourself and ground the work area to discharge stored static electricity.

Computer control information is listed in the Electrical Section of all Mitchell Collision Estimating Guides. There is a footnote below the listing or an illustration describing the location of each unit."

You can view this tip and others on the DEG Website by clicking [here!](#)



**DEG**

The Database Enhancement Gateway (DEG) helps improve the information in collision repair estimates by crowdsourcing feedback about vehicle-specific errors, omissions and inaccuracies in the database and labor times.

Learn how the DEG works to address your questions and process your inquiries until they reach conclusion.

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