

Body Repair Tech Note: Toolbox Labor Times

Body Repair Tech Notes provide information about Tesla-approved methods and practices for body repair. These instructions assume knowledge of motor vehicle and high voltage electrical component repairs, and should only be executed by trained professionals. Tesla assumes no liability for injury or property damage due to a failure to properly follow these instructions or for repairs attempted by unqualified individuals.

This Body Repair Tech Note supersedes BR-16-92-004 R2, dated 3-Jan-17. Each content change is marked by a vertical line in the left margin. Discard the previous version and replace it with this one.

! **CAUTION:** Performing Toolbox operations is a required procedural step. The vehicle does not function properly without Toolbox operations being performed. Refer to the Service Manual procedure for all the steps required to perform a procedure.

Toolbox is Tesla's diagnostic and repair software. Some procedures require the use of Toolbox operations to reset controllers, program newly-installed components, perform functional tests of newly-installed components, or update firmware.

NOTE: Refer to [BR-15-92-001](#), "Installing and Connecting Toolbox" for instructions on installing the software.

The Flat Rate Time (FRT) to connect to Toolbox and run one operation is 1.0 hours. Each additional operation is .3 hours. For example after installation of the Electromechanical Brake Booster, it is required to do a Firmware Redeploy and the iBooster setup tests. The FRT to complete both of these operations is 1.3 hours.

NOTE: The FRTs in this document are for Tesla Approved Body Shop purposes only. The time to perform Toolbox operations are included in the FRT used by Tesla Service Centers.

For feedback on the accuracy of this document, email BodyRepair@tesla.com.