

Continue



Mitchell labor guide book

Mitchell labor guide free.

Labor Estimate Guide Settings Overview The labor rates, taxes, fees, discounts, and quote creation settings outlined in this guide are designed to help you estimate costs accurately. Related Videos can provide additional guidance on specific procedures. Key Considerations for Labor Times: * The provided labor times are for replacement with new, undamaged parts from the vehicle manufacturer on a new, undamaged vehicle. * Additional time needed for collision damage access, alignment pulls, non-original equipment, or used parts must be agreed upon by all parties. * Some operations may require additional time after necessary bolted, attached, or related parts have been removed. Labor Categories and Designations: * The labor times fall into various categories (e.g., body, frame, mechanical) as determined by the repair facility's operating procedures. * Components for which R&I or R&R is commonly considered a mechanical operation are designated with the letter "m" in the text. Specific Labor Considerations: * Welded panels require additional time for grinding, filling, and final sanding to match the original panel contour. * Labor times do not include Feather, Prime, and Block refinish operations (see Procedure Explanation page P34). * Shop materials are not factored into labor times. * Disable and enable air bag system procedures are included in labor times. * Diagnose air bag systems involve system disable, removal and installation of air bag modules, and installing simulators. Only authorized technicians should perform the procedures outlined in this guide. TECH-COR REPAIR INFORMATION: The labor times shown in this guide are provided by Mitchell, but TECH-COR does not endorse or approve these times. TECH-COR publications are copyrighted material, and reproduction of TECH-COR bulletins is allowed as long as they are reproduced in their entirety, including source attribution. TECH-COR bulletins can be obtained by contacting TECH-COR, Inc., Technical Communications Dept., 100 East Palatine Road, Wheeling, IL 60090; Phone: 847-667-2341. BASE MODEL VEHICLE: A vehicle with the minimum equipment available from the manufacturer is considered a base model. TYPES OF VEHICLES: This guide only covers regular production models. COMPREHENSIVE LABOR TIME: We strive to provide complete labor times in this guide, but there may be instances where a time has not been established for an operation at the time of publication. If an item requires replacement and can be replaced as an individual item but shows no time, a time should be agreed upon among all parties and recorded on the damage report. PROCEDURE REFERENCE: Throughout each vehicle "service" section, you will find Procedure Explanation reference notes located immediately following the main section headings. LABOR RELATED NOTES IN THE TEXT PORTION OVERRIDE THE PROCEDURE EXPLANATION PAGES. PROCEDURES: The Procedure Explanations on the following pages outline the operations included or not included in the labor time listed in each vehicle "service". You are encouraged to familiarize yourself with these procedure pages to ensure a thorough understanding of the Mitchell approach to collision estimating. Time necessary to reset memory code function (e.g., seat position, radio presets) when battery has been disconnected for repairs. Computer relearn procedures also require attention to ensure proper operation of vehicle systems (e.g., power sunroof, power window). Fabrication involves creating new components from raw stock, as opposed to cutting or manufacturing parts from existing materials. Freeing up frozen parts due to rust or corrosion is another essential step. Measure and identify structural damage by comparing reference points on the vehicle under-body, under-hood, and upper-body to OEM-based dimension specifications. Plug and finish holes in newly installed parts to ensure proper fitment. Pre- and post-repair scans may be required to diagnose issues and detect any Diagnostic Trouble Codes (DTCs). Rework or align adjacent parts being replaced, or modify components to fit specific year or model requirements. Remove tar and grease that might interfere with operation. Transfer materials from old to new parts for welded, riveted, or bonded brackets. eAutoRepair provides accurate estimating information, including labor times, OEM parts pricing, and parts diagrams, allowing users to quickly navigate the process. Performing brake shoe replacement requires replacing a leaking wheel cylinder as well. The Combination Time shows how long it takes to replace the wheel cylinder once the shoes are removed. You add combination labor items like any other item by clicking on them, and they'll be added to your Estimator Worksheet. Labor items display their mechanical skill level in the "SL" column, which ranges from A (Highly Skilled) to D (Low Skilled). Some labor items have an "Additional Time" subheading, indicating extra time needed for the procedure. This adds up with standard labor times and factory warranty times to give you your total labor estimate. For example, when replacing an alternator, you might need extra time because other systems like A/C or power steering are affected. The calculation is simple: Labor Time + Additional Labor Time + Combination Time = Total Labor Time x Your Labor Rate = Labor Estimate. You can customize estimates by editing labor times, adding parts manually, moving lines to group items together, and suppressing certain fields in the printout.