

Estimating Forgettables

Body (body labor rate)

- ❑ Access time for pulling and/or cutting: (i.e., hard hit in the door and qtr. area, and the door is unable to be opened)
- ❑ Rough pulls: (i.e., pre-pull prior to qtr. panel replacement)
- ❑ R&R sound deadener pads
- ❑ Aim lamps
- ❑ Drill time
- ❑ R&I adhesive moldings
- ❑ R&R adhesive on moldings
- ❑ Abnormal test-fitting of replacement parts / Non-OEM parts fit
- ❑ Align sheet metal
- ❑ Plug and finish unnecessary holes
- ❑ Repair of pinch weld damage from unibody clamps
- ❑ Recondition & prepare salvage (LKQ) parts (i.e., trim out used parts)
- ❑ Transfer vehicle identification tags (i.e. from ¼ panel or door frame)
- ❑ Road test vehicle for safety check: (leaks, noises)
- ❑ Clean vehicle for repairs
- ❑ Cover interior
- ❑ Drain and refill fuel tank
- ❑ Mask jambs, openings, and engine compartment for undercoatings
- ❑ Mud flap R&I
- ❑ R&I bed liners
- ❑ Additional time for power options: (locks, mirrors, windows)
- ❑ R&R protective coatings and/or protective film
- ❑ R&I door cylinder, outside handle, & interior trim panel for refinishing task
- ❑ R&R pinstripes: (tape)
- ❑ Transfer time: (brackets, braces, and reinforcements)
- ❑ R&R of transparent film protection
- ❑ Paint removal to refinish: (if additional refinish materials will exceed the acceptable level)

Frame (frame labor rate)

- ❑ Set-up, measure and gauge vehicle structure
- ❑ Correct side-sway condition
- ❑ Correct twist condition
- ❑ Correct sag condition
- ❑ Correct body shell alignment
- ❑ Correct diamond condition
- ❑ Correct mash condition
- ❑ Repair right frame rail
- ❑ Repair left frame rail
- ❑ Set datum to structural specifications
- ❑ Correct shock tower misalignment
- ❑ Correct closed suspension cross-member
- ❑ Diagnosis & set-up time
- ❑ Structural components
- ❑ Jig rental (for Jig and Fixture systems only)

Mechanical Labor (mechanical labor rate)

- ❑ Align wheels – Front only
- ❑ Align wheels – Four wheels
- ❑ Bleed brakes
- ❑ Drain fuel
- ❑ Freon recovery for recycling
- ❑ Pressure test cooling system
- ❑ Test A/C system for freon leaks
- ❑ R&I exhaust system for pulling or measuring tasks
- ❑ R&I fuel lines, transmission cooler lines, and A/C lines for pulling or panel replacement

Electrical (mechanical labor rate)

- ❑ Disconnect and/protect on-board computers
- ❑ Disconnect and reconnect electrical wiring (D&R)
- ❑ Disable/enable airbag system
- ❑ Mask and protect electrical components
- ❑ Memory function resets
- ❑ Disconnect battery terminals: (before any welding operations are performed)

Interior (body labor rate)

- ❑ Clean-up broken glass
- ❑ Clean-up air bag residue
- ❑ Cover and protect interior
- ❑ R&I interior components
- ❑ Seat belts: (check manufacturers' recommendations for replacement)

Fluids (parts or sublet)

- ❑ A/C freon: (R-12 or R-134a. New types 1. manufacturer 2. amount required 3. cost)
- ❑ A/C compressor oil (whenever major component is replaced; i.e. condenser, compressor, evaporator etc.)
- ❑ Receiver-Drier: (whenever system is contaminated or open for more than 1 hour)
- ❑ Brake fluid
- ❑ Engine coolant; (1. new types, manufacturer 2. amount required 3. cost)
- ❑ Motor oil
- ❑ Gear lube
- ❑ Power steering fluid
- ❑ Transmission fluid
- ❑ Windshield washer fluid

Glass (parts)

- ❑ Damaged wiper blades from broken glass
- ❑ Glass reveal molding
- ❑ Urethane installation kit
- ❑ R&I glass

Hardware / Parts (parts, misc. or sublet)

- ❑ A/C O-Rings
- ❑ Alignment shims
- ❑ Hood insulator clips
- ❑ Decals or labels: (vehicle information)
- ❑ Wire harness fasteners and tie clips
- ❑ Fuses
- ❑ Headlamp adjusters
- ❑ Door weathering strip "T-type" fasteners
- ❑ Mini bulbs
- ❑ Non-reusable nuts, bolts, clips (i.e., suspension hardware-see mfg. Specs.)
- ❑ Seat belts: (check manufacturer's service manual or *Mitchell's Air Bag Service & Repair Manual*)
- ❑ Seat belt tensioners
- ❑ Splash shield fasteners
- ❑ Specialty rivets: (door handle & regulators)
- ❑ Sound deadener pads: (Q-pads)
- ❑ Tire valves
- ❑ Transparent protective film
- ❑ Wheel weights: (specialty weights on custom wheels)

Miscellaneous (at shop labor rate matching work type)

- ❑ Hazardous waste removal
- ❑ Tire disposal (not if done sublet)
- ❑ Mount and balance tires
- ❑ Detail: (clean vehicle to pre-accident condition)
- ❑ Storage (pre-repair storage may be waived when repaired – charged after notification of completed repair plus 48 hours)
- ❑ Towing (for specialty sublet work: i.e. air bag, suspension, alignment etc.)
- ❑ Freight charges for any special order items

Paint and Materials (P&M)

- ❑ Cover vehicle: (note - some estimating systems include the labor in refinish operation, but the material is not included) (paint process)
- ❑ Rust-proofing (body process)
- ❑ Undercoating (body process)
- ❑ Body materials (body process)
- ❑ Specialty seam sealers (body or paint process)
- ❑ Weld-through primer (body process)
- ❑ Cavity wax (body process)
- ❑ Corrosion protection primers (body and paint processes)
- ❑ Outer door panel to "intrusion beam" adhesive (body process)
- ❑ Fluorine clearcoat (paint process)
- ❑ Foam: (expansion materials) (body process)
- ❑ Gravel guard (body or paint process)
- ❑ Stone chip protective coating (paint process)
- ❑ Flex-additive (paint process)
- ❑ Pinstripes: (paint) (paint process)

Refinish Labor (refinish labor rate)

- ❑ Color tint
- ❑ Cover vehicle to prevent overspray
- ❑ Clearcoat edges, jambs and undersides
- ❑ Color sand & buff
- ❑ Flex prep: (application of special adhesion promoters and additives)
- ❑ Blend adjacent panels (clearcoat system)
- ❑ Multi-coat blending of adjacent and non-adjacent panels to achieve color harmony
- ❑ Zone refinishing (especially for multi-coat finishes)
- ❑ Refinish edges, jambs, and undersides
- ❑ Repair existing surface imperfections
- ❑ Featheredge, block and fill repaired panels
- ❑ Remove decals prior to painting
- ❑ Apply gravel guard
- ❑ Apply corrosion protection
- ❑ Custom colors or multiple stripes
- ❑ Let-down color identification panels: (multi-coat colors)
- ❑ Pinstripes: (paint)
- ❑ Three-stage paint (multi-coat)
- ❑ Two-stage (clear coat)
- ❑ Two-tone paint