Reference Chart of “Not-Included” Operations When Installing New Replacement Parts
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Reference Chart of “Not-Included” Operations When Installing New Replacement Parts

Because the amount of labor time necessary for certain operations cannot be fully standardized, collision estimating databases do not have pre-existing labor estimates for some operations. As a result, when preparing estimates, users of computerized estimating programs will need to manually input certain operations. The lists contained in this document are designed to help users ensure they consider all of the possible operations when they write an estimate of collision damages.

The first section lists “Not-Included” operations in the published labor guides for common major parts, separated by information provider.

- **Options:** These are the vehicle’s option choices for the computer-assisted estimating program that may affect parts and/or labor on an estimate. (If the correct option is selected, appropriate labor time will be included.)
- **Operations:** These are additional tasks that may be needed beyond the labor provided for parts replacement.
- **R&I Parts:** These are parts not included in replacement labor, requiring additional labor when needed.
- **Refinish:** These are labor operations beyond the regular procedures for surface refinish, requiring additional labor when needed.

The second section lists general “Not-Included” operations, separated by steps in the repair process and applicable to all parts.

When preparing an itemized estimate of damages, a quick check of these lists will help remind you to include all necessary operations and will result in a more complete and accurate damage analysis. Your final invoice must include all labor operations needed and performed.

This guide is meant as a quick summary of general “Not-Included” operations, for the benefit of ASA members. Refer to each information provider’s Procedures Pages for specifics.

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Mitchell International
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CCC Information Services, Inc.
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www.cccis.com

Motor Information Systems
(800) 288-6828
www.motor.com
Guide to Estimating Procedure Pages
Customer Service Contact
www.motor.com/customer_service.asp
**Labor Notes:**
Listed are general procedures for new part replacement operations. Specific vehicle information, labor notes, and part details may be found in each information provider's printed or electronic data.
- All labor/refinish times are based on new undamaged vehicles and parts.
- Information in the procedure pages may be superceded by vehicle footnotes.
- Mechanical parts or operations are indicated by (M). A Mechanical Labor Rate may be appropriate.
- Some parts may not contain a labor or refinish amount; check if this is appropriate for that particular repair and add as a judgment amount, if needed.

**Refinish Notes:**
Refinish operations that should be considered for every repair with every information provider are listed in the second section with other general operations.

Recoating, repriming or stripping of top coating on bumper covers may be required, and if so is not included with database refinish and replacement times. PPG, Axalta, BASF, Akzo Nobel and Sherwin-Williams suggest the following test to determine what type of primer has been applied.

Solvent test all factory original equipment (OE) and aftermarket primer coats for solubility with a plastic cleaning product or a strong solvent by wiping the substrate with a rag. If using a strong solvent such as lacquer thinner or an equivalent product, caution must be used to prevent the potential of static charge buildup. If the solvent softens or dissolves the primer coating during wiping, it is absolutely necessary to completely remove to factory primer and treat the bumper cover as an unprimed cover. We also suggest a tape test to verify the adhesion integrity of the primer.

**Feather/Prime/Block – Collision Industry Conference, April 2006**
- The repair process associated with damaged painted body panels typically involves multiple operations: body repair, feather, prime, block and refinish.
- The body repair process includes metal finishing and/or the use of body fillers to return the body panel to its undamaged contour. The repaired area is finished to 150-grit and free of surface imperfections.
- Feather, prime and block are not-included refinish operations that complete the process from 150-grit to the condition of a new undamaged panel.
- The refinish process starts at the condition of a new undamaged panel and are outlined and documented in printed and/or electronic time guides.
- The body/paint labor and materials necessary to prepare the repaired area from 150-grit to the condition of a new undamaged part are valid and required steps in the process.
- The labor and material allowance for these operations requires an on-the-spot evaluation of the specific vehicle and damage.

**Blending – Suggested/Automated Calculations**
Blending formulas are for use on an UNDAMAGED panel for the sole purpose of facilitating color match. The formulas assume adjacent panels also are being refinished. They are not intended for use on repaired panels.
Front Bumper

**Audatex**

**Options:**
- Bumper Guards
- Cornering Lamps
- Fog Lamps
- Frt/Rear Obstacle Warning Systems
- Front Spoiler
- Headlamp Washers
- Impact Strip
- Parking Sensor
- Two and Three Stage Interior
- Four Stage

**Operations:**
- Additional labor for removal of parts (access labor)
- Aim headlamps
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Filling and finishing of unneeded holes
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- R&R of tape stripes or decals
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of part number labels
- Test drive to relearn system
- Trimming, repair, or modification of part

**CCC/MOTOR**

**Options:**
- Clear coat
- Lamps
- Three stage
- Four stage

**Operations:**
- Additional aligning or repair
- Alignment, check or straightening related parts
- Battery recharge
- Clean up or detailing of vehicle prior to delivery
- Computer control module relearn
- Cutting, pulling or pushing damaged parts for access
- Drill time
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Lamp aiming
- Material costs
- Pre/post diagnostic scans
- Reset electronic memory functions after battery disconnect
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Stripe tape, decals or overlays
- Waste disposal fees (all types)

**Mitchell**

**Options:**
- Auxiliary/ Fog Lamps
- Brush Guard
- Clear Coat
- Fog Lamps
- Headlamp Washers
- Four Stage
- Laser/Radar/Cruise Control
- Park Aid Sensors
- Spoiler
- Three Stage

**Operations:**
- Access time - remove extensively damaged parts by cutting, pushing, pulling, etc.
- Aim headlamps
- Alignment of adjacent parts
- Clean vehicle to pre-accident condition
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Removal of tar, grease or other materials
- Repair/Align parts or adjacent to parts being replaced
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion
- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to plug and finish unneeded holes on parts being installed.
- Transfer Time for welded/riveted/bonded brackets/braces/reinforcements
Front Bumper (continued)

Audatex
R&I Parts:
- Front License Bracket
- Front License Plate
- Impact Bar
- Moldings/Emblems
- Namplates/Ornaments
- Non-standard equipment not identified as options
- Ornamentation

Refinish:
- Additional prep or cleaning of new, unprimed panels
- Any application of base color beyond the third base coat
- Color sand & buff
- Color tint
- Final sand and buff
- Final wash
- Masking of moldings and ornamentation
- Nib sanding/De-nib
- Paint and materials
- Preparation of a raw, unprimed parts
- Removal of protective coatings from replacement parts
- Removal of release agents from raw, unprimed plastic components
- Second clear set up
- Second color set up
- Spray additional test panel
- Tint primer or clear coat
- Two tone

CCC/MOTOR
R&I Parts:
- Aftermarket & OEM accessories
- Air bag sensor
- Battery
- Bumper brackets/frame rail extensions (if mounted to
  Distance sensor
- Energy absorber, if mounted to frame rail (all types)
- Lamps (optional equipment, or not mounted to bumper)
- License plate/bracket
- Reinforcement/impact bar (if mounted to frame rail)
- Valance panel/spoiler (when not mounted to bumper)

Refinish:
- Adhesion promoter (unprimed flexible component)
- De-nib/wet sand and/or buff for polishing
- Flex additive mixing time
- Flex prep application
- Masking of attached parts
- Paint and materials
- Protective coating removal
- Test spray-out panel
- Tint primer or clear coat
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Unprimed bumpers, removal of mold-release agents
- Wet/dry sand, rub out and buff

Mitchell
R&I Parts:
- Adhesive exterior trim; add to clean and retape
- Auxiliary lamps
- Brush guards
- Fog lamps
- Head lamp washers
- Impacts absorbers or mounting arms
- Laser/Radar cruise control sensor
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment
- Overhaul or repl headlamp accessories
- Optional accessories
- Parking aid sensors
- R&I adhesive exterior trim; add to clean and retape
- R&R new adhesive exterior trim; deduct one-half of R&R time
- Spoilers

Refinish:
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Mask attached components, trim, stripes or decals
- Paint and materials
- Raw substrate prep
- Removal of protective coatings
- Removal of release agent from OEM raw plastic components
- Two tone

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Headlamp Mounting Panel

**Audatex**

**Options:**
- Four stage
- Two and three stage exterior
- Two and three stage interior

**Operations:**
- Additional labor for removal of parts (access labor)
- Aim headlamps (additional labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Filling and finishing of unneeded holes
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- R&R of tape stripes or decals
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of part number labels
- Restoration of corrosion-protective coatings
- Trimming, repair or modification of part

**CCC/MOTOR**

**Options:**
- Clear coat (gloss or matte)
- Four stage
- Three stage
- Two and three stage interior

**Operations:**
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Battery recharge
- Clean up or detailing of vehicle prior to delivery
- Computer control module relearn
- Cutting, pulling or pushing damaged parts for access
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Lamp aiming
- Material costs
- Pre/post diagnostic scans
- Reset electronic memory functions after battery disconnect
- Rusted, frozen, broken or corrosion-damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Stripe tape, decals or overlays
- Undercoating, tar or grease removal
- Waste disposal fees (all types)

**Mitchell**

**Options:**
- Clear coat (gloss or matte)
- Four stage
- Three stage

**Operations:**
- Access time - remove extensively damaged parts by cutting, pushing, pulling, etc.
- Aim headlamps
- Alignment of adjacent parts
- Clean vehicle to pre-accident condition
- Drill holes for installing exterior trim
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Removal of tar, grease or other materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion
- Time to plug and finish unneeded holes on parts being installed
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements
**R&I Parts:**
- Moldings/emblems
- Nameplates/ornaments
- Non-standard equipment

**Refinish:**
- Application of e-coat equivalent
- Anti-corrosion material application
- Color sand and buff
- Color tint
- Final sand and buff
- Final wash
- Masking of mouldings and ornamentation
- Nib sanding/De-nib
- Paint and materials
- R&I or masking of mouldings and ornamentation
- Removal of protective coatings from replacement parts
- Spray additional test panel
- Tint primer or clear coat
- Two tone

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**CCC/MOTOR**

**R&I Parts:**
- Aftermarket & OEM accessories
- Air bag sensor (front bumper R&I)
- Battery (front bumper R&I)
- Brackets & braces transfer
- Bumper assembly
- Emblems & nameplates (front bumper R&I)
- Energy absorbers, all types (front bumper R&I)
- Information label installation
- Lamps (when note mounted in bumper) (front bumper R&I)
- Valance panel/spoiler (when not mounted to bumper) (front bumper R&I)

**Refinish:**
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- De-nib/wet sand and/or buff for polishing
- Filling, blocking, featheredging repaired panels
- Masking of attached parts
- Paint and materials
- Protective coating removal
- Test spray-out panel
- Tint clear coat
- Tinting primer-sealer
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Wet/dry sand, rub out and buff

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**Mitchell**

**R&I Parts:**
- Adhesive exterior trim; add to clean and retape
- Fenders
- Front bumper
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment
- Optional accessories
- Overhaul or replace headlamp parts

**Refinish:**
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Mask attached components, trim, stripes or decals
- Paint and materials
- Removal of protective coatings
- Subsequent vehicle bagging when required:
  - Two tone
**Audatex**

**Options:**
- Four stage
- Two and three stage exterior
- Two and three stage interior
- Hood scoop

**Operations:**
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Filling and finishing of unneeded holes
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- R&R of tape stripes or decals
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of part number labels
- Restoration of corrosion-protective coatings
- Seam sealing
- Trimming, repair or modification of part

**CCC/MOTOR**

**Options:**
- Clear coat (gloss or matte)
- Four stage
- Three stage

**Operations:**
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Clean up or detailing of vehicle prior to delivery
- Cutting, pulling or pushing damaged parts for access
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Material costs
- Pre/post diagnostic scans
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Seam sealer
- Sprayable seamsealer equipment prep & adjustment before application
- Stripe tape, decals or overlays
- Waste disposal fees (all types)

**Mitchell**

**Options:**
- Clear coat (gloss or matte)
- Four stage
- Three stage

**Operations:**
- Access time-remove extensively damaged parts by cutting, pushing, pulling, etc.
- Alignment of adjacent parts
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture and color
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean vehicle to pre-accident condition.
- Drill holes for installing exterior trim
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion.
- Time to plug and finish unneeded holes on parts being installed.
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements
**R&I Parts:**
- Hinge from vehicle
- Insulator pad
- Moldings/Emblems
- Nameplates/Ornaments
- Non-standard equipment not identified as options
- Specification labels
- Wiring

**Refinish:**
- Application of e-coat equivalent
- Anti-corrosion material application
- Color sand and buff
- Color tint
- Final sand and buff
- Final wash
- Masking of engine compartment
- Masking of mouldings
- Masking of interior surfaces/entryways
- Nib sanding/De-nib
- Paint and materials
- R&I or masking of mouldings and ornamentation
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat
- Two tone
- Underside refinishing

**R&I Parts:**
- Aftermarket & OEM accessories
- Hinge
- Hood lock
- Information label installation
- Moldings/Emblems
- Nameplates/Ornaments
- Stripe tape, decals or overlays

**Refinish:**
- Add for underside
- Anti-corrosion material application
- Cover mask engine/compartment to prevent overspray
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- De-nib/wet sand and/or buff for polishing
- Filling, blocking, featheredging repaired panels
- Mask inner panels
- Masking of attached parts paint inner areas
- Matte/flat refinished-texture matching
- Matte/flat refinishes-perform test spray-out of let down panel
- Matte/flat refinishes-tinting the matte clear to adjust level of gloss
- Paint and materials
- Protective coating removal
- Test spray-out panel
- Tint clear coat
- Tinting primer-sealer
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Underside additional paint mix if it is a different color than the exterior
- Wet/dry sand, rub out and buff
- Underside refinishing

**R&I Parts:**
- Gas prop rod
- Hinges
- Insulator (adhesive)
- Non original equipment
- Optional accessories
- R&I Adhesive exterior trim; add to clean and retape
- R&R New adhesive exterior trim; deduct one-half of R&R time
- Stripe tape, decals or overlays

**Refinish:**
- Add for underside
- Anti-corrosion material application
- Add for Underside
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Mask attached components, trim, stripes or decals
- Mask engine compartment
- Mask Vehicle to prevent overspray damage
- Paint and materials
- Removal of protective coatings
- Subsequent vehicle bagging when required
- Tint non-exterior colors
- Two tone
- Underside refinishing
**Radiator Support**

**Audatex**

**Options:**
- Air conditioning
- Automatic transmission
- Oil cooler
- Two and three stage interior

**Operations:**
- Aim headlamps (additional labor)
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Disabling and enabling of Hybrid Vehicle components (i.e. high voltage systems, battery packs and power cables)
- Disconnect/reconnect computer modules for welding purposes
- Evacuate and recharge A/C system (additional labor)
- Filling and finishing of unneeded holes
- Flush and pressure test (radiator R&I)
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Metal preparation and corrosion protection (i.e. cavity wax)
- Purge and bleed (radiator R&I)
- Refrigerant recovery (additional labor)
- Removal of debris, grease, corrosion, protective coatings, or other materials
- Removal of part number labels
- Reset Electrical Components
- Restoration of corrosion-protective coatings
- Repair panels distorted, burned or damaged by welding, drilling, grinding and straightening
- Test drive to relearn system
- Trimming, repair or modification of part

**CCC/MOTOR**

**Options:**
- Air conditioning
- Clear coat (gloss or matte)
- Transmission
- Two and three stage interior

**Operations:**
- A/C System, evacuate and recharge
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Battery D&R/recharge
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Computer control module D&R/relearn
- Cutting, pulling or pushing damaged parts for access
- Disabling and enabling of Hybrid Vehicle components
- Disable SRS system
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Information label installation
- Grind, fill & smooth welded seams (up to 150 grit sandpaper)
- Material costs
- Pre/post diagnostic scans
- Remove electronics within 12” of welding zone
- Reset electronic memory functions after battery d&r
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Sprayable seamsealer equipment prep & adjustment before application
- Steering column inspection
- Test panel/spray caulk
- Undercoating, tar or grease removal
- Waste disposal fees (all types)

**Mitchell**

**Options:**
- Air conditioning
- Automatic transmission
- Clear coat
- Oil cooler
- Skid plate

**Operations:**
- Access time-remove extensively damaged parts by cutting, pushing, pulling, etc.
- Aim lamps if attached to support
- Alignment of adjacent parts
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture and color
- Caulking/seam sealer as undercoating or sound deadening
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean vehicle to pre-accident condition
- D&R battery
- Complete computer relearn procedures for proper operation of vehicle systems
- Fabrication of reinforcements or inserts
- Hazardous materials recycling or disposal
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Pressure test system if necessary (radiator R&I)
- Remove and/or apply: anti-corrosion rust resistant materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align Parts or adjacent to parts being replaced
- Reset memory code function
- Shop Materials
- Time necessary to free up parts frozen by rust or corrosion
- Time to aim/calibrate/diagnose/re-set/scan or test
**Radiator Support (continued)**

**R&I Parts:**
- Bumper overhaul
- Disconnect/connect of power steering lines
- Front license bracket (bumper overhaul)
- Front license plate (bumper overhaul)
- Fuel vapor canister
- Fuse box
- Impact bar (bumper overhaul)
- Information label installation
- Mouldings/emblems
- Nameplates/ornaments
- Non-standard equipment not identified as options
- Relay
- Specification labels
- Wiring harness

**R&I Parts:**
- Aftermarket & OEM accessories
- Brackets & braces transfer
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Detailing
- Disconnect/reconnect computer modules for welding purposes
- Information label installation
- R&I electronics within 12” of welding zone
- Vehicle specific, see rad support labor note in CCC

**Audatex**

**CCC/MOTOR**
- Weld through primer
- Welder set up and/or tests and preparation

**Mitchell**
- Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R’d
- Time to plug and finish unneeded holes on parts being installed.
- Time to R&I wiring and/or wiring harness and computer modules as necessary
- Time to reset memory code function
- Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

**R&I Parts:**
- Air conditioning components
- Auxiliary lamps (front bumper R&I)
- Belts
- Bolted parts & assemblies
- Brush guard (front bumper R&I)
- Computer module
- Cruise control
- Decals
- Fan
- Fan clutch
- Fenders
- Fluid reservoirs & coolers
- Fog lamps (front bumper R&I)
- Front bumper
- Front header panel
- Headlamp waster system (front bumper R&I)
- Hood panel
- Non original equipment
- Optional accessories
- Parking aide sensors, spoiler (front bumper R&I)
- Puley
- R&R belts
- R&R decals
- R&R fan
- R&R fan clutch

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**Radiator Support (continued)**

**Audatex**

- Refinish:
  - Anti-corrosion material application
  - Application of e-coat equivalent
  - Application of “high build” primer
  - Color tint
  - Final sand and buff
  - Final wash
  - Masking of engine compartment
  - Masking of mouldings
  - Nib sanding/de-nib
  - Paint and materials
  - Refinish adj panels that may be damaged by welding
  - R&I or masking of mouldings and ornamentation
  - Removal of protective coatings from replacement parts
  - Second Clear Setup
  - Second color set up
  - Second or third bagging or masking of vehicle
  - Spray additional test panel
  - Tint primer or clear coat
  - Two Tone

**CCC/MOTOR**

- Refinish:
  - Anti-corrosion material application
  - Cover mask engine/compartment to prevent overspray
  - Cover/mask entire exterior of vehicle to prevent overspray
  - Cover/mask for cut-in
  - Cover/mask for prime and block
  - Filling, blocking, featheredging repaired panels
  - Mask inner panels
  - Masking of attached parts
  - Matte/flat refinished-texture matching
  - Matte/flat refinishes-perform test spray-out of let down panel
  - Matte/flat refinishes-tinting the matte clear to adjust level of gloss
  - Paint and materials
  - Prime & block (high build/primer-filler)
  - Protective coating removal
  - Second color set up
  - Test spray-out panel
  - Tint clear coat
  - Tinting primer-sealer
  - Tinting to achieve color match
  - Weld, grind or sanding damage to adjacent panels
  - Welded seam surface finishing finer than 150 grit sandpaper

**Mitchell**

- R&R pulley
- R&R radiator hoses
- Radiator Hoses
- Suspension assemblies
- Vapor cannisters
- Wiring and/or wiring harness

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**Fender**

**Audatex**

*Options:*
- Four stage
- Two and three stage exterior
- Two and three stage interior

*Operations:*
- Additional labor for removal of parts (access labor)
- Aim headlamps (additional labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Corrosion protection
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Drilling hole for antenna installation
- Filling and finishing of unneeded holes
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of part number labels
- Restoration of corrosion-protective coatings
- Seam sealing
- Trimming, repair or modification of part

**CCC/MOTOR**

*Options:*
- Clear coat (gloss or matte)
- Four stage
- Three stage

*Operations:*
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Clean up or detailing of vehicle prior to delivery
- Cutting, pulling or pushing damaged parts for access
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Inner panels
- Lamp aiming
- Material costs
- Pre/Post diagnostic scans
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Stripe tape, decals or overlays
- Undercoating, tar or grease removal
- Waste disposal fees (all types)
- Wheel or hub cap locks R&I

**Mitchell**

*Options:*
- Clear coat
- Four stage
- Three stage

*Operations:*
- Access time—remove extensively damaged parts by cutting, pushing, pulling, etc.
- Aim lamps
- Alignment of adjacent parts
- Clean vehicle to pre-accident condition
- Cut holes for installing lamps
- Drill holes for installing exterior trim
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Removal of tar, grease, or other materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion
- Time to plug and finish unneeded holes on parts being installed
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements

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### Audatex

**R&I Parts:**
- Antenna assembly
- Battery
- Battery tray
- Bumper impact bar (bumper R&I)
- Moldings/Emblems
- Namplates/Ornaments
- Non-standard equipment not identified as options
- Stripe removal

### CCC/MOTOR

**R&I Parts:**
- Aftermarket & OEM accessories
- Antenna
- Battery
- Brackets & braces transfer
- Bumper
- Emblems/Nameplates
- Grille
- Header panel
- Hood
- Mirror
- Moldings
- Mud guard
- Road wheel
- Spoilers & flares
- Stripe tape, decals or overlays

### Mitchell

**R&I Parts:**
- Adhesive exterior trim; add to clean and retape
- Antenna
- Auxiliary lamps (front bumper R&I)
- Brush guard (front bumper R&I)
- Front bumper
- Front header panel
- Headlamp washer system (front bumper R&I)
- Laser/radar cruise control sensors (front bumper R&I)
- Non original equipment
- Optional accessories
- Parking aide sensors, spoiler (front bumper R&I)
- Install stripes, decals, transfers or overlays
- Rocker molding
- Skirt/Liner
- Wheel

### Refinish:

**Application of e-coat equivalent**
- Anti-corrosion material application
- Chipguard
- Chip guard texture match
- Color sand and buff
- Color tint
- Edging
- Final sand and buff
- Final wash
- Masking of engine compartment
- Masking of interior surfaces/entryways
- Masking of mouldings
- Nib sanding/De-nib
- Paint and materials
- Painted stripes

**Add for Edging**
- Anti-corrosion material application
- Backside e-coat replacement
- Backside refinishing
- Cover mask engine/compartment to prevent overspray
- Cover mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- Cover/mask recessed edges/jambs/weatherstrips
- De-nib/wet sand and/or buff for polishing
- Edge refinish color tinting
- Filling, blocking, featheredging repaired panels
- Mask inner panels
- Masking of attached parts
- Matte/flat refinished-texture matching
- Matte/flat refinishes-perform test spray-out of let down panel

**Add for edging**
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Gravel guard refinish
- Gravel guard texture match
- Mask attached components, trim, stripes or decals
- Mask engine compartment
- Mask vehicle to prevent overspray damage
- Paint and materials
- Removal of protective coatings
- Subsequent vehicle bagging when required
- Tint non-exterior colors
- Two tone

---

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Audatex

- R&I or masking of mouldings and ornamentation
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat
- Two tone

CCC/MOTOR

- Matte/flat refinishes-tinting the matte clear to adjust level of gloss
- Paint and materials
- Paint inner areas
- Painted on pinstripes
- Protective coating removal
- Stone chip guard application
- Stone chip guard texture matching
- Test spray-out panel
- Tint clear coat
- Tinting primer-sealer
- Tinting to achieve color match
- Two tone
- Two tone color tinting
- Two tone refinishing
- Wet/dry sand, rub out and buff

Mitchell

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**Door Shell**

**Audatex**

**Options:**
- Four stage
- Keyless entry
- Mirrors
- Power locks
- Two and three stage exterior
- Two and three stage interior

**Operations:**
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Corrosion protection
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Excessive alignment required by the prior condition of the door opening
- Filling and finishing of unneeded holes
- Glass or other collision debris cleanup
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Lock cylinder coding
- Metal preparation and corrosion protection (i.e. cavity wax)
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of part number labels
- Restoration of corrosion-protective coatings
- Reset electrical components
- Sound deadener
- Stripe, woodgrain or decal removal
- Test drive to relearn system
- Trimming, repair or modification of part

**CCC/MOTOR**

**Options:**
- Clear coat
- Four stage
- Power lock
- Power window
- Three stage
- Passive restraint system

**Operations:**
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Battery D&R/recharge
- Broken glass removal or clean up
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Computer control module D&R/relearn
- Cutting, pulling or pushing damaged parts for access
- Disable SRS system
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Lock cylinder recoding
- Pre/Post diagnostic scans
- Reset electronic memory functions after battery D&R
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Seam sealer
- Sound deadening application
- Sprayable seamsealer equipment prep & adjustment before application
- Stripe tape, decals or overlays
- Test for water leaks (except Windshield, back glass and stationary glass)
- Undercoating, tar or grease removal
- Waste disposal fees (all types)

**Mitchell**

**Options:**
- Clear coat
- Four stage
- Power locks
- Power windows
- Remote mirror
- Three stage

**Operations:**
- Access time-remove extensively damaged parts by cutting, pushing, pulling etc.
- Alignment of adjacent parts
- Broken glass clean up
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture and color
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean vehicle to pre-accident condition
- D&R battery
- Complete computer relearn procedures for proper operation of vehicle systems
- Drill holes for installing trim
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Recode lock cylinder
- Removal of tar, grease or other materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced.
- Replace sound deadening
- Reset memory code function
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion

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### Door Shell (continued)

#### Refinish:
- Anti-corrosion material application
- Application of e-coat equivalent
- Chip guard application
- Chip guard texture match
- Color sand and buff
- Color tint
- Edge/jamb refinish

#### R&I Parts:
- Door striker
- Body side trim (sliding and cargo vans)
- Door-mounted speakers
- Moldings/Emblems
- Nameplates/Ornaments
- Non-standard equipment not identified as options
- Shoulder harness/Belt
- Sound deadener
- Specification labels R&I or replacement
- Stripe, woodgrain or decal removal
- Transfer hinges

#### Refinish:
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask for cut-in
- Cover/mask recessed edges/jambs/weatherstrips
- De-nib/wet sand and/or buff for polishing
- Filling, blocking, featheredging repaired panels
- Masking of attached parts

#### R&I Parts:
- Aftermarket & OEM accessories
- Back glass wiper or washer (back door)
- Body side moldings
- Bonded glass removal from damaged shell
- Brackets & braces transfer
- Emblems & nameplates
- Hinge (welded type)
- Hinge halves bolted to pillar
- Information label installation
- Mirror
- Moldings
- Passive restraint system
- Spare tire carrier (back door)
- Stripe tape, decals or overlays

#### Refinish:
- Add for jambs and interior
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Gravel guard refinish
- Gravel guard texture match
- Mask attached components, trim, stripes or decals

### Audatex

### CCC/MOTOR

### Mitchell

- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R’d
- Time to plug and finish unneeded holes on parts being installed
- Time to reset memory code function
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements

- Adhesive exterior trim; add to clean and retape
- Decals
- Hinge anchor plates
- Hinges
- Install stripes, decals, transfer or overlays
- Non original equipment
- Optional accessories
- R&I adhesive exterior trim: deduct one-half of R&R time
- R&R channels attached to glass
- Rear view mirror

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### Door Shell (continued)

<table>
<thead>
<tr>
<th>Audatex</th>
<th>CCC/MOTOR</th>
<th>Mitchell</th>
</tr>
</thead>
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<td>Paint and materials</td>
<td>Mask entryways</td>
</tr>
<tr>
<td>Final wash</td>
<td>Paint inner areas</td>
<td>Mask interior to prevent overspray damage</td>
</tr>
<tr>
<td>Masking of interior surfaces/entryways</td>
<td>Painted on pinstripes</td>
<td>Mask Vehicle to Prevent Overspray Damage</td>
</tr>
<tr>
<td>Masking of moldings</td>
<td>Protective coating removal</td>
<td>Paint and materials</td>
</tr>
<tr>
<td>Nib sanding/De-nib</td>
<td>Stone chip guard application</td>
<td>Removal of protective coatings</td>
</tr>
<tr>
<td>Paint and materials</td>
<td>Stone chip guard texture matching</td>
<td>Subsequent vehicle bagging when required</td>
</tr>
<tr>
<td>Painted stripes</td>
<td>Test spray-out panel</td>
<td>Two tone</td>
</tr>
<tr>
<td>R&amp;I or masking of mouldings and ornamentation</td>
<td>Tint clear coat</td>
<td></td>
</tr>
<tr>
<td>Removal of protective coatings from replacement parts</td>
<td>Tinting primer-sealer</td>
<td></td>
</tr>
<tr>
<td>Second clear set up</td>
<td>Tinting to achieve color match</td>
<td></td>
</tr>
<tr>
<td>Second color set up</td>
<td>Two Tone</td>
<td></td>
</tr>
<tr>
<td>Second or third bagging or masking of vehicle</td>
<td>Two tone color tinting</td>
<td></td>
</tr>
<tr>
<td>Spray additional test panel</td>
<td>Two tone refinishing</td>
<td></td>
</tr>
<tr>
<td>Tint primer or clear coat</td>
<td>Wet/dry sand, rub out and buff</td>
<td></td>
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<tr>
<td>Two tone</td>
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<td></td>
</tr>
<tr>
<td><strong>Audatex</strong> Options:</td>
<td><strong>CCC/MOTOR</strong> Options:</td>
<td><strong>Mitchell</strong> Options:</td>
</tr>
<tr>
<td>---</td>
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</tr>
<tr>
<td>Four stage</td>
<td>Clear coat</td>
<td>Clear coat</td>
</tr>
<tr>
<td>Keyless entry</td>
<td>Four stage</td>
<td>Four stage</td>
</tr>
<tr>
<td>Mirrors</td>
<td>Power lock</td>
<td>Power locks</td>
</tr>
<tr>
<td>Power locks</td>
<td>Power window</td>
<td>Power windows</td>
</tr>
<tr>
<td>Two and three stage exterior</td>
<td>Three stage</td>
<td>Remote mirror</td>
</tr>
<tr>
<td>Two and three stage interior</td>
<td>Passive restraint system</td>
<td>Three stage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Operations:</strong></th>
<th><strong>Operations:</strong></th>
<th><strong>Operations:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional labor for removal of parts (access labor)</td>
<td>Straightening of door frame</td>
<td>Access time-remove extensively damaged parts by cutting, pushing, pulling etc.</td>
</tr>
<tr>
<td>Alignment of parts adjacent to parts being replaced</td>
<td>Alignment, check or straightening related parts</td>
<td>Alignment of adjacent parts</td>
</tr>
<tr>
<td>Application of lubricant or similar material</td>
<td>Anti-Corrosion material restoration/application</td>
<td>Broken glass clean up</td>
</tr>
<tr>
<td>Body materials</td>
<td>Battery D&amp;R/recharge</td>
<td>Caulking/seam sealer test patterns or application of material to duplicate factory look, texture and color</td>
</tr>
<tr>
<td>Detailing</td>
<td>Caulk (non-OEM) or sound insulate inner areas</td>
<td>Caulking/seam sealer masking</td>
</tr>
<tr>
<td>Diagnosis and testing of electronic components or systems (e.g. airbags)</td>
<td>Clean up broken glass</td>
<td>Caulking/seam sealer set up and clean up of application tool</td>
</tr>
<tr>
<td>Excessive alignment required by the prior condition of the door opening</td>
<td>Clean up or detailing of vehicle prior to delivery</td>
<td>Clean vehicle to pre-accident condition</td>
</tr>
<tr>
<td>Filling and finishing of unneeded holes</td>
<td>Computer control module D&amp;R/relearn</td>
<td>Complete computer relearn procedures for proper operation of vehicle systems</td>
</tr>
<tr>
<td>Glass or other collision debris cleanup</td>
<td>Cutting, pulling or pushing damaged parts for access</td>
<td>D&amp;R battery</td>
</tr>
<tr>
<td>Hazardous waste removal</td>
<td>Disable SRS system</td>
<td>Drill holes for installing trim</td>
</tr>
<tr>
<td>Labor for drilling necessary to attach parts</td>
<td>Drilling, modification or fabrication of mounting holes</td>
<td>Hazardous materials recycling or disposal</td>
</tr>
<tr>
<td>Lock cylinder coding</td>
<td>Fabricate templates, reinforcing inserts, sleeves or flanges</td>
<td>Install stripes, decals, transfers or overlays</td>
</tr>
<tr>
<td>Metal preparation and corrosion protection (i.e. cavity wax)</td>
<td>Filling, plugging/finishing of unneeded holes in new parts</td>
<td>Plug and finish unneeded holes on parts being installed</td>
</tr>
<tr>
<td>R&amp;R of tape stripes or decals</td>
<td>Lock cylinder recoding</td>
<td>Pre/Post repairs scans</td>
</tr>
<tr>
<td>Removal of debris, grease, corrosion, protective coatings, or other materials</td>
<td>Material costs</td>
<td>Recode lock cylinder</td>
</tr>
<tr>
<td>Removal of panel bonding adhesive materials</td>
<td>Pre/Post diagnostic scans</td>
<td>Remove and/or apply anti-corrosion rust resistant materials</td>
</tr>
<tr>
<td>Removal of part number labels</td>
<td>Reset electronic memory functions after battery D&amp;R</td>
<td>Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning</td>
</tr>
<tr>
<td>Repair of door shell</td>
<td>Road test vehicle</td>
<td>Remove extensively damaged parts by cutting, pushing, pulling, etc.</td>
</tr>
<tr>
<td>Reset electrical components</td>
<td>Rusted, frozen, broken or corrosion damaged components or fasteners</td>
<td>Repair/Align parts or adjacent to parts being replaced.</td>
</tr>
<tr>
<td>Restoration of corrosion-protective coatings</td>
<td>Scan tool clear/reset electronic module</td>
<td>Removal of tar, grease, or other materials</td>
</tr>
<tr>
<td>Test drive to relearn system</td>
<td>Scan tool diagnostics</td>
<td></td>
</tr>
</tbody>
</table>
### Door Panel (continued)

**Audatex**

<table>
<thead>
<tr>
<th>R&amp;I Parts:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Body side trim (sliding and cargo vans)</td>
</tr>
<tr>
<td>Door-mounted speakers</td>
</tr>
<tr>
<td>Moldings/Emblems</td>
</tr>
<tr>
<td>Nameplates/Ornaments</td>
</tr>
<tr>
<td>Non-standard equipment not identified as options</td>
</tr>
<tr>
<td>Power door lock</td>
</tr>
<tr>
<td>Shoulder harness/Belt</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>R&amp;I Parts:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aftermarket &amp; OEM accessories</td>
</tr>
<tr>
<td>Back glass wiper or washer (back door)</td>
</tr>
<tr>
<td>Body side moldings</td>
</tr>
<tr>
<td>Brackets &amp; braces transfer</td>
</tr>
<tr>
<td>Emblems &amp; nameplates</td>
</tr>
<tr>
<td>Glass</td>
</tr>
<tr>
<td>Hinge</td>
</tr>
<tr>
<td>Information label installation</td>
</tr>
<tr>
<td>Lock cylinder recoding</td>
</tr>
<tr>
<td>Mirror</td>
</tr>
<tr>
<td>Moldings</td>
</tr>
<tr>
<td>Passive restraint system</td>
</tr>
<tr>
<td>Regulator</td>
</tr>
<tr>
<td>Reinforcement bar</td>
</tr>
<tr>
<td>Stripe tape, decals or overlays</td>
</tr>
</tbody>
</table>

---

**CCC/MOTOR**

- Test for water leaks (except windshield, back glass and stationary glass)
- Undercoating, tar or grease removal
- Waste disposal fees (all types)
- Weld thru primer

---

**Mitchell**

- Replace sound deadening
- Reset memory code function
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion.
- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R’d
- Time to reset memory code function
- Time to plug and finish unneeded holes on parts being installed.
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements

---

<table>
<thead>
<tr>
<th><strong>R&amp;I Parts:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesive exterior trim; add to clean and retape</td>
</tr>
<tr>
<td>Channels</td>
</tr>
<tr>
<td>Glass</td>
</tr>
<tr>
<td>Hardware</td>
</tr>
<tr>
<td>Install stripes, decals, transfers or overlays</td>
</tr>
<tr>
<td>Mirror</td>
</tr>
<tr>
<td>New adhesive exterior trim; deduct one-half of R&amp;R time</td>
</tr>
<tr>
<td>Non original equipment</td>
</tr>
<tr>
<td>Optional accessories</td>
</tr>
<tr>
<td>R&amp;I Adhesive exterior trim; add to clean and retape</td>
</tr>
<tr>
<td>R&amp;R new adhesive exterior trim; deduct one-half of R&amp;R time</td>
</tr>
</tbody>
</table>
Refinish:
- Anti-corrosion material application
- Application of e-coat equivalent
- Chip guard application
- Chip guard texture match
- Color sand and buff
- Color tint
- Edging
- Edge/jamb refinish
- Final sand and buff
- Final wash
- Masking of interior surfaces/entryways
- Masking of moldings
- Nib Sanding/De-nib
- Paint and materials
- Painted stripes
- R&I or masking of mouldings and ornamentation
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat
- Two tone

Refinish:
- Add for edging
- Add for inside
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask for cut-in
- Cover/mask recessed edges/jambs/weatherstrips
- De-nib/wet sand and/or buff for polishing
- Edging
- Edge refinish color tinting
- Filling, blocking, featheredging repaired panels
- Masking of attached parts
- Paint and materials
- Paint inner areas
- Painted on pinstripes
- Protective coating removal
- Stone chip guard application
- Stone chip guard texture matching
- Test spray-out panel
- Tinting primer-sealer
- Tinting to achieve color match
- Two tone
- Two tone color tinting
- Two tone refinishing
- Wet/dry sand, rub out and buff

Refinish:
- Add for jambs and interior
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Edging
- Finish sand and buff
- Gravel guard refinish
- Gravel guard texture match
- Mask attached components, trim, stripes or decals
- Mask entryways
- Mask interior to prevent overspray damage
- Mask Vehicle to Prevent Overspray Damage
- Paint and materials
- Removal of protective coatings
- Subsequent vehicle bagging when required
- Two tone
Quarter Panel

Audatex
Options:
Four stage
Ground effects
Mirrors
Rear antenna
Rear mudguards
Two and three stage exterior
Two and three stage interior

Operations:
A/C evacuation/recharge (SUV/van only)
Additional labor for removal of parts (access labor)
Alignment of parts adjacent to parts being replaced
Application of lubricant or similar material
Body materials
Detailing
Diagnosis and testing of electronic components or systems (e.g. airbags)
Disabling and enabling of Hybrid Vehicle components (i.e. high voltage systems, battery packs, and power cables)
Disconnect/reconnect computer modules for welding purposes
Disconnect and reconnect of un-deployed airbag
Drain or refill fuel tank
Filling and finishing of unneeded holes
Glass adhesive and sealant clean up (back glass)
Glass kit (back glass)
Glass or other collision debris cleanup
Hazardous waste removal
Inner quarter panel (full replacement only)
Labor for drilling necessary to attach parts
Metal preparation and corrosion protection (i.e. cavity wax)
R&I of Injected/Structural foam
Removal of debris, grease, corrosion, protective coatings, or other materials

CCC/MOTOR
Options:
Clear coat
Four stage
Three stage
Spoilers and flares

Operations:
Alignment, check or straightening related parts
Anti-Corrosion material restoration/application
Battery D&R/recharge
Broken glass removal or clean up
Caulk (non-OEM) or sound insulate inner areas
Clean up or detailing of vehicle prior to delivery
Computer control module D&R/relearn
Conv’t top/retractable roof alignment (Conv’t only)
Cutting, pulling or pushing damaged parts for access
Disabling and enabling of Hybrid Vehicle components
Disable SRS system
Drain & refill fuel tank
Drilling, modification or fabrication of mounting holes
Epoxy primer on glass pinch weld where coating has been removed
Fabricate templates, reinforcing inserts, sleeves or flanges
Filling, plugging/finishing of unneeded holes in new parts
Frame machine set up
Glass kit (back glass/quarter glass)
Material costs
Panel bonded panel-additional panel fit
Panel bonded panel-adhesive application
Panel bonded panel-vehicle preparation
Panel bonded panel-sectioning insert/sleeve
Panels inward of quarter
Pre/post diagnostic scans

Mitchell
Options:
Clear coat
Four stage
Three stage
Vinyl roof

Operations:
Access time-remove extensively damaged parts by cutting, pushing, pulling, etc.
Alignment of adjacent parts
Aluminum panels materials-rivets, panel bonding, adhesives, bonding primer, EMC screws, flow drill screws
Broken glass clean up
Caulking/seam sealer test patterns or application of material to duplicate factory look, texture and color
Caulking/seam sealer as undercoating or sound deadening
Caulking/seam sealer masking
Caulking/seam sealer set up and clean up of application tool
Clean vehicle to pre-accident condition
Clean up old adhesive on undamaged urethane glass
Complete computer relearn procedures for proper operation of vehicle systems
Cut holes for installing lamps
D&R battery
Drain & refill fuel tank
Drill holes for installing exterior trim
Fabrication of reinforcements or inserts
Hazardous materials recycling or disposal
Install stripes, decals, transfers or overlays
Plug and finish unneeded holes on parts being installed
Pre/Post repairs scans
Measure and identify damage

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## Quarter Panel (continued)

### Audatex
- Removal of panel bonding adhesive material
- Removal of part number labels
- Repair, fitting, or modification of new replacement parts (all less section)
- Reset Electrical Components
- Restoration of corrosion-protective coatings
- Repair panels distorted, burned or damaged by welding, drilling, grinding and straightening.
- Setup of a vehicle on a frame machine, dedicated bench or other measuring/straightening device. Pulling time is not included.
- Test drive to relearn system
- Trimming, repair, or modification of part
- Undercoating

### CCC/MOTOR
- R&R acoustical and structural foam within 6” of open flame, excessive heat (600 degrees) or welding operation
- Remove electronics within 12” of welding zone
- Removal of old urethane (front/back glass)
- Reset electronic memory functions after battery D&R
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Sound deadening application
- Stripe tape, decals or overlays
- Structural damage diagnosis and vehicle set up time
- Sprayable seamsealer equipment prep & adjustment before application
- Structural foam removal or application
- Test for water leaks (except windshield, back glass and stationary glass)
- Test panel/spray caulk
- Undercoating, tar or grease removal
- Waste disposal fees (all types)
- Weld through primer
- Welder set up and/or tests and preparation
- Wheel or hub cap locks R&I

### Mitchell
- Removal of tar, grease, or other materials
- Remove and replace inner panels
- Remove and/or apply anti-corrosion rust resistant materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced.
- Replace sound deadening
- Reset memory code function
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion
- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R’d
- Time to plug and finish unneeded holes on parts being installed.
- Time to R&I wiring and/or wiring harness and computer modules as necessary
- Time to reset memory code function
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements
- Urethane glass kit

### R&I Parts:
- Antenna assembly (full/section only)
- Back glass (section only)
- Body insulation (e.g. foams, pads) (full/section only)
- Body side trim (full sized vans only)
- Body weatherstrips
- Deck lid (add’l labor, section only)
- Fuel tank (add’l labor)
- Headliner (add’l labor)

### R&I Parts:
- Aftermarket & OEM accessories
- Antenna
- Body side moldings
- Boot well (Conv’t only)
- Brackets & braces transfer
- Carpet & insulation
- Electrical wiring
- Emblems & nameplates
- Emblems & nameplate (rear bumper R&I)

### R&I Parts:
- Adhesive exterior trim; add to clean and retape
- Antenna
- Computer module
- Fuel tank
- Information label installation
- Install stripes, decals, transfers or overlays
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment

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### Quarter Panel (continued)

#### Audatex
- Middle/rear seat (full sized van only)
- Moldings/emblems
- Nameplates/ornaments
- Non-standard equipment not identified as options
- Rear compartment gutters (section only)
- Roll down quarter glass (full/section only)
- Running board panel (SUV/van only)
- Sunroof drain (full/section only)
- Vinyl roof caps (section only)
- Vinyl roof peel back (section only)
- Wiring harness (full/section only)

#### CCC/MOTOR
- Energy absorber, all types (rear bumper R&I)
- Epoxy primer on glass pinch weld where coating has been removed
- Exhaust system (fuel tank R&I)
- Foam
- Fuel tank
- Glass regulator assembly (non conv’t only)
- Head airbags (headliner R&I) (non conv’t only)
- Headliner (non conv’t only)
- High-mounted stop lamp (back glass) (non conv’t only)
- Information label installation
- Lamp (opt equipment) (non conv’t only)
- Molding & impact strip (rear bumper R&I)
- Mud guard
- Overhead console (headliner R&I) (non conv’t only)
- Power cylinder (conv’t only)
- Road wheel
- Roll bar (conv’t only)
- Roof cover R&I or roll back (non conv’t only)
- Seats (headliner R&I)
- Spoilers & flares (opt equipment)
- Suspension & drivetrain (fuel tank R&I)
- Stripe tape, decals or overlays
- Trunk lid, liftgate or tailgate
- Wheel or hub cap locks R&I

#### Mitchell
- Optional accessories
- Preformed or molded type headliner
- Quarter window and moulding
- R&I Adhesive exterior trim; add to clean and retape
- R&R Adhesive exterior trim; deduct one-half of R&R time
- Remove undamaged urethane
- Replace channels attached to glass
- Undamaged back window and molding
- Undamaged quarter window and moulding
- Wheel
- Window moldings
- Wiring and/or wiring harness
**Audatex**

**Refinish:**
- Anti-corrosion material application
- Application of e-coat equivalent
- Application of “high build” primer
- Body lock pillar refinish
- Chip guard application
- Chip guard texture match
- Color Sand and Buff
- Color Tint
- Final sand and buff
- Final wash
- Masking of interior surfaces/entryways
- Masking of mouldings and ornamentation
- Masking of trunk openings
- Nib Sanding/De-nib
- Paint and materials
- Painted stripes
- Refinish adj panels that may be damaged by welding
- Removal of protective coatings from replacement parts
- Second Clear Setup
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat
- Two Tone

**CCC/MOTOR**

**Refinish:**
- Anti-corrosion material application
- Backside e-coat replacement
- Backside refinishing
- Clear coat extended to the nearest panel edge or breakpoint
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- Cover/mask for prime and block
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask recessed edges/jambs/weatherstrips
- De-nib/wet sand and/or buff for polishing
- Filling, blocking, featheredging repaired panels
- Mask inner panels
- Masking of attached parts
- Paint inner areas
- Painted on pinstripes
- Paint and materials
- Protective coating material application
- Protective coating removal
- Prime & block (high build/primer-filler)
- Second color set up
- Stone chip guard application
- Stone chip guard texture matching
- Test spray-out panel
- Tint clear coat
- Tint primer-sealer
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Weld, grind or sanding damage to adjacent panels
- Welded seam surface finishing finer than 150 grit sandpaper
- Wet/dry sand, rub out and buff

**Mitchell**

**Refinish:**
- Add to edge
- Add for pillar
- Add for inside
- Anti-corrosion material application
- Clear coat extension to the nearest panel edge or breakpoint
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Extension of clear coat
- Featheredge paint damage to adj panel and/or panels joined by welding
- Feather, prime & block paint dmg to adj pnls and/or pnls joined by welding due to burn dmg
- Finish sand and buff
- Gravel guard refinish
- Gravel guard texture match
- Mask attached components, trim, stripes or decals
- Mask entryways
- Mask interior to prevent overspray damage
- Mask Vehicle to prevent overspray damage
- Paint and materials
- Prime and block paint damage to adjacent panel and/or panels joined by welding due to burn damage
- Removal of protective coatings
- Second clear set up
- Second color set up
- Subsequent vehicle bagging when required:
- Two tone

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# Roof Operations

**Options:**
- Four stage
- Two and three stage exterior
- Two and three stage interior

**Operations:**
- Add'l labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Detailing
- Diagnosis and testing of electronic components or systems (e.g., airbags)
- Disabling and enabling of Hybrid Vehicle components (i.e., high voltage systems, battery packs, and power cables)
- Disconnect/reconnect computer modules for welding purposes
- Disconnect/reconnect of un-deployed airbag
- Filling and finishing of unneeded holes
- Glass adhesive and sealant cleanup (windshield/back glass)
- Glass kit (windshield/back glass)
- Glass or other collision debris cleanup
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Metal preparation and corrosion protection (i.e., cavity wax)
- R&R of tape stripes or decals
- Removal of debris, grease, corrosion, protective coatings or other materials
- Removal of panel bonding adhesive materials
- Removal of part number labels
- Repair, fitting or modification of new replacement parts (all less section)
- Reset electrical components
- Restoration of corrosion-protective coatings
- Roof rail replacement

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# CCC/MOTOR Operations

**Options:**
- Clear coat
- Four stage
- Three stage

**Operations:**
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Battery D&R/recharge
- Broken glass removal or clean up
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Computer control module relearn
- Cutting, pulling or pushing damaged parts for access
- Disabling and enabling of Hybrid Vehicle components
- Disable SRS system
- Drilling, modification or fabrication of mounting holes
- Filling, plugging/finishing of unneeded holes in new parts
- Epoxy primer on glass pinch weld where coating has been removed (windshield)
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Glass kit (front/back glass)
- Material costs
- Panel bonded panel-additional panel fit
- Panel bonded panel-adhesive application
- Panel bonded panel-panel/vehicle preparation
- Pre/post diagnostic scans
- Removal of old urethane (front/back glass)
- Reset electronic memory functions after battery D&R
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Sound deadening application
- Stripe tape, decals or overlays
- Undercoating, tar or grease removal

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# Mitchell Operations

**Options:**
- Clear coat
- Four stage
- Three stage

**Operations:**
- Access time-remove extensively damaged parts by cutting, pushing, pulling etc.
- Alignment of adjacent parts
- Aluminum panels materials-rivets, panel bonding, adhesives, bonding primer, EMC screws, flow drill screws
- Broken glass clean up
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture, and color
- Caulking/seam sealer as undercoating or sound deadening
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean up old adhesive on undamaged urethane glass
- Clean vehicle to pre-accident condition
- D&R battery
- Fabrication of reinforcements or inserts
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Removal of tar, grease, or other materials
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating, or any type of added conditioning
- Remove and/or apply anti-corrosion rust resistant materials
- Shop materials
- Sound deadening material
- Time necessary to free up parts frozen by rust or corrosion
- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to complete computer relearn procedures for proper...
Roof (continued)

**Audatex**
- Repair panels distorted, burned or damaged by welding, drilling, grinding and straightening
- Sound deadener
- Test drive to relearn system
- Transfer of miscellaneous welded braces, brackets and clips
- Trimming, repair, or modification of part
- Undercoating
- Windshield header panel replacement

**CCC/MOTOR**
- Waste disposal fees (all types)
- Weld through primer
- Welder set up and/or tests and preparation

**Mitchell**
- Operation of vehicle systems when the battery has been D&R’d
- Time to reset memory code function
- Transfer time for welded/riveted/bonded brackets/braces/reinforcements
- Urethane glass kit

**R&I Parts:**
- Antenna assembly
- Body insulation (foam, pads)
- Body weatherstrips
- Body side trim (vans only)
- Non-standard equipment not identified as options
- Ornamentation
- Rear seat (vans only)
- Roll down quarter glass
- Vinyl roof install
- Washer nozzles
- Wiring harness

**R&I Parts:**
- Aftermarket & OEM accessories
- Electrical wiring
- Emblems & nameplates
- GPS antenna
- Head airbags
- Header panels
- High-mounted stop lamp (back glass)
- Lamp (exterior)
- Luggage racks
- Overhead console
- Rear package tray trim
- Roof covers
- Roof rails
- Seats (headliner R&I)
- Wheel or hub cap locks R&I

**R&I Parts:**
- Luggage rack
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment
- Non-base model interior trim and/or rear seating (van/utility vehicles)
- Optional accessories
- Roof cap and/or vinyl cover
- Wiring and/or wiring harness

**Refinish:**
- Application of e-coat equivalent
- Application of “high-build” primer
- Color tint
- Final sand and buff
- Final wash
- Masking of interior surfaces/entryways
- Masking of moldings

**Refinish:**
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask for cut-in
- Cover/mask trunk/compartment to prevent overspray
- De-nib & polish
- Mask inner panels

**Refinish:**
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse
- Feather, prime and block welded panels
- Featheredge paint damage to adj panel and/or panels joined by welding
- Finish sand and buff

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Audatex

Nib sanding/de-nib
Paint and materials
Refinish adj panels that may be damaged by welding
Removal of protective coatings from replacement parts
Second or third bagging or masking of vehicle
Spray additional test panel
Tint primer or clear coat

CCC/MOTOR

Masking of attached parts
Paint and materials
Protective coating material application
Protective coating removal
Test spray-out panel
Test clear coat
Tint primer-sealer
Tinting to achieve color match
Weld, grind or sanding damage to adjacent panels
Welded seam surface finishing finer than 150 grit sandpaper
Wet/dry sand, rub out and buff

Mitchell

Mask attached components, trim, stripes or decals
Mask entryways
Mask interior to prevent overspray damage
Paint and materials
Prime and block paint damage to adjacent panel and/or panels joined by welding due to burn damage
Removal of protective coatings
Subsequent vehicle bagging when required
## Deck Lid/Lift Gate

### Audatex
**Options:**
- Four stage
- Heated tailgate glass
- Rear camera
- Rear spoiler
- Rear wiper
- Two and three stage exterior
- Two and three stage interior

**Operations:**
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Detailing
- Diagnosis and testing of electronic components or systems (e.g. airbags)
- Filling and finishing of unneeded holes
- Glass adhesive and sealant clean up (windshield/back glass)
- Glass kit (windshield/back glass)
- Glass or other collision debris cleanup (windshield/back glass)
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Lock cylinder coding
- Metal preparation and corrosion protection (i.e. cavity wax)
- Removal of debris, grease, corrosion, protective coatings, or other materials
- Removal of part number labels
- Reset Electrical Components
- Restoration of corrosion-protective coatings
- Stripe removal
- Test drive to relearn system
- Trimming, repair, or modification of part

### CCC/MOTOR
**Options:**
- Clear coat
- Four stage
- Three stage

**Operations:**
- Alignment, check or straightening related parts
- Anti-Corrosion material restoration/application
- Battery D&R/recharge
- Broken glass removal or clean up
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Computer control module D&R/relearn
- Cutting, pulling or pushing damaged parts for access
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Glass kit (back glass) (liftgate)
- Information label installation
- Lock cylinder recoding
- Material costs
- Pre/post diagnostic scans
- Removal of old urethane (back glass) (liftgate)
- Reset electronic memory functions after battery d&r
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Seam sealer
- Sound deadening application
- Sprayable seamsealer equipment prep & adjustment before

### Mitchell
**Options:**
- Clear coat
- Four stage
- Three stage

**Operations:**
- Access time-remove extensively damaged parts by cutting, pushing, pulling, etc.
- Alignment of adjacent parts
- Broken glass clean up (liftgate only)
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture, and color
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean up old adhesive on undamaged urethane glass
- Clean vehicle to pre-accident condition.
- Complete computer relearn procedures for proper operation of vehicle systems
- D&R battery
- Drill holes for installing exterior trim
- Hazardous materials recycling or disposal
- Install stripes, decals, transfers or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Recode lock cylinder
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align parts or adjacent to parts being replaced.

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### Audatex
- Hinge from vehicle
- Moldings/Emblems
- Namplates/Ornaments
- Non-standard equipment not identified as options
- Specification labels
- Wiring

### CCC/MOTOR
- Application
- Stripe tape, decals or overlays
- Test for water leaks (except windshield, back glass and stationary glass)
- Undercoating, tar or grease removal
- Waste disposal fees (all types)

### Mitchell
- Reset memory code function
- Shop materials
- Time necessary to free up parts frozen by rust or corrosion.
- Time to aim/calibrate/diagnose/re-set/scan or test
- Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R'd
- Time to reset memory code function
- Time to plug and finish unneeded holes on parts being installed.
- Transfer Time for welded/riveted/bonded brackets/braces/reinforcements
- Transfer undamaged urethane set glass (liftgate only)
- Urethane glass kit (liftgate only)

### R&I Parts:
- Aftermarket & OEM accessories
- Back glass wiper or washer (liftgate)
- Bonded glass removal from damaged liftgate
- Brackets & braces transfer
- Camera
- Electrical wiring
- Emblems & nameplates
- Hinge
- Information label installation
- Moldings
- Spare tire carrier (liftgate)
- Special interior trim
- Spoilers & flares
- Stripe tape, decals or overlays

### R&I Parts:
- Adhesive exterior trim; add to clean and retape (liftgate only)
- Decals
- Gas prop rod
- Glass motor (liftgate only)
- Hinge anchor plates (liftgate only)
- Hinges
- Install stripes, decals, transfers or overlays
- Luggage rack
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment
- Optional accessories
- R&I adhesive exterior trim; add to clean and retape
- R&R new adhesive exterior trim; deduct one-half of R&R time
- Remove undamaged urethane set glass
- Spoiler
- Washers (liftgate only)
- Wiper (liftgate only)
Refinish:
- Anti-corrosion material application
- Application of e-coat equivalent
- Color sand and buff
- Color tint
- Final sand and buff
- Final wash
- Masking of interior surfaces/entryways
- Masking of moldings and ornamentation
- Masking of trunk openings
- Nib sanding/De-nib
- Paint and materials
- Painted stripes
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat
- Two tone
- Underside refinishing

Add for underside
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask for cut-in
- Cover/mask recessed edges/jambs/weatherstrips
- Cover/mask trunk/compartment to prevent overspray
- De-nib/wet sand and/or buff for polishing
- Filling, blocking, featheredging repaired panels
- Masking of attached parts
- Paint inner areas
- Paint and materials
- Painted on pinstripes
- Protective coating removal
- Test spray-out panel
- Tint clear coat
- Tinting primer-sealer
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Underside refinishing
- Wet/dry sand, rub out and buff

Add for underside
- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Mask attached components, trim, stripes or decals
- Mask vehicle to prevent overspray damage
- Subsequent vehicle bagging when required:
  - Mask trunk openings
  - Paint and materials
  - Removal of protective coatings
  - Two tone
  - Underside refinishing
Rear Body Panel

**Audatex**

**Options:**
- Two and Three Stage Exterior
- Two and Three Stage Interior

**Operations:**
- Additional labor for removal of parts (access labor)
- Alignment of parts adjacent to parts being replaced
- Application of lubricant or similar material
- Body materials
- Code lock Cylinder
- Detailing
- Diagnosis and testing of electronic components or systems (e.g., airbags)
- Disabling and enabling of Hybrid Vehicle components (i.e. high voltage systems, battery packs, and power cables)
- Disconnect/reconnect computer modules for welding purposes
- Disconnect and reconnect of un-deployed airbag
- Drain or refill fuel tank
- Filling and finishing of unneeded holes
- Hazardous waste removal
- Labor for drilling necessary to attach parts
- Lock cylinder coding
- Metal preparation and corrosion protection (i.e. cavity wax)
- R&R of tape stripes or decals
- Removal of debris, grease, corrosion, protective coatings, or other materials
- Removal of panel bonding adhesive material
- Removal of part number labels
- Repair, fitting, or modification of new replacement parts (all less section)
- Repair panels distorted, burned or damaged by welding, drilling, grinding and straightening.
- Reset electrical components

**CCC/MOTOR**

**Options:**
- Clear coat (gloss or matte)
- Three stage
- Two or three stage interior

**Operations:**
- Alignment, check or straightening related parts
- Anti-Corrosion material restoration/application
- Battery D&R/recharge
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Code Lock Cylinder
- Computer control module D&R/relearn
- Cutting, pulling or pushing damaged parts for access
- Disabling and enabling of Hybrid Vehicle components
- Disable SRS system
- Drain & refill fuel tank
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Lock cylinder recoding
- Material costs
- Panel bonded panel- additional panel fit
- Panel bonded panel- adhesive application
- Panel bonded panel- panel/vehicle preparation
- Pre/post diagnostic scans
- Remove electronics within 12” of welding zone
- Reset electronic memory functions after battery d&r
- Road test vehicle
- Rusted, frozen, broken or corrosion damaged components or fasteners
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Sound deadening application
- Sprayable seamsealer equipment prep & adjustment before application

**Mitchell**

**Options:**
- Clear coat
- Three stage

**Operations:**
- Access time- remove extensively damaged parts by cutting, pushing, pulling, etc.
- Alignment of adjacent parts
- Aluminum panels materials - rivets, panel bonding, adhesives, bonding primer, EMC screws, flow drill screws
- Caulking/seam sealer test patterns or application of material to duplicate factory look, texture, and color
- Caulking/seam sealer as undercoating or sound deadening
- Caulking/seam sealer masking
- Caulking/seam sealer set up and clean up of application tool
- Clean & retape exterior trim (adhesive)
- Clean vehicle to pre-accident condition
- Code lock cylinder
- Complete computer relearn procedures for proper operation of vehicle systems
- Cut holes for installing lamps
- D&R battery
- Drain & refill fuel tank
- Drill holes for installing exterior trim
- Fabrication of reinforcements or inserts
- Hazardous materials recycling or disposal
- Install stripe tape, decals or overlays
- Plug and finish unneeded holes on parts being installed
- Pre/Post repairs scans
- Recode lock cylinder
- Removal of tar, grease, or other materials
- Remove and/or apply anti-corrosion rust resistant materials
- Remove and/or apply weldable zinc primers, wax,

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<tbody>
<tr>
<td>Restoration of corrosion-protective coatings</td>
<td>Stripe tape, decal or overlays structural foam removal or application</td>
<td>petroleum based coatings, undercoating or any type of added conditioning.</td>
</tr>
<tr>
<td>Test drive to relearn system</td>
<td>Test for water leaks (except windshield, back glass, and stationary glass)</td>
<td>Remove extensively damaged parts by cutting, pushing, pulling, etc.</td>
</tr>
<tr>
<td>Transfer of misc. welded braces, brackets, and clips</td>
<td>Test panel/spray caulk</td>
<td>Repair/Align parts or adjacent to parts being replaced.</td>
</tr>
<tr>
<td>Trimming, repair, or modification of part</td>
<td>Undercoating, tar or grease removal</td>
<td>Reset memory code function</td>
</tr>
<tr>
<td>Undercoating</td>
<td>Waste disposal fees (all types)</td>
<td>Shop materials</td>
</tr>
<tr>
<td></td>
<td>Weld through primer</td>
<td>Time necessary to free up parts frozen by rust or corrosion.</td>
</tr>
<tr>
<td></td>
<td>Welder set up and/or tests and preparation</td>
<td>Time to aim/calibrate/diagnose/re-set/scan or test</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&amp;R’s</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Time to plug and finish unneeded holes on parts being installed.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Time to R&amp;I wiring and/or wiring harness and computer modules as necessary</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Time to reset memory code function</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Transfer time for welded/riveted/bonded brackets/braces/reinforcements</td>
</tr>
</tbody>
</table>

**R&I Parts:**
- Body insulation (foam, pads)
- Body weatherstrips
- Exhaust system
- Fuel tank (add'l labor)
- Moldings/emblems
- Nameplates/ornaments
- Non-standard equipment not identified as options
- Power lock actuator
- Specification Labels
- Wiring harness

**R&I Parts:**
- Aftermarket & OEM accessories
- Brackets & braces transfer
- Camera
- Electrical wiring
- Emblems/Nameplates
- Energy absorber
- Exhaust system (M)
- Fuel tank
- Mouldings/Ornamentation
- Remove electronics within 12” of welding zone
- Suspension & drivetrain (fuel tank R&I)
- Trunk trim/liner (rear bumper R&I)
- Valance Panel

**R&I Parts:**
- Adhesive exterior trim; add to clean and retape
- Computer module
- Exhaust system (fuel tank R&I)
- Exterior trim (adhesive)
- Fuel tank assembly
- Fuel Tank
- New adhesive exterior trim; deduct one-half of R&R time
- Non original equipment
- Optional accessories
- Quarter panel interior trim
- Skid plates (fuel tank R&I)
- Stripe tape, decals or overlays
- Suspension/drive train (fuel tank R&I)
- Wiring/Wiring harness
Rear Body Panel (continued)

**Audatex**

**Refinish:**
- Anti-corrosion material application
- Any special coatings applied to luggage compartment
- Application of e-coat equivalent
- Application of “high build” primer
- Color tint
- Edges/jambs/undersides
- Final wash
- Masking of interior surfaces/entryways
- Masking of mouldings and ornamentation
- Masking of trunk openings
- Paint and materials
- Refinish adjacent panels that may be damaged by welding
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Spray additional test panel
- Tint primer or clear coat

**CCC/MOTOR**

**Refinish:**
- Add for inside
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- Cover/mask interior of vehicle to prevent overspray damage
- Cover/mask trunk/compartment to prevent overspray
- Cover/mask for prime and block
- Filling, blocking, featheredging repaired panels
- Mask inner panels
- Masking of attached parts
- Paint and materials
- Paint inner areas
- Prime & block (high build/primer-filler)
- Protective coating material application
- Protective coating removal
- Second color set up
- Stone chip guard application
- Stone chip guard texture matching
- Test spray-out panel
- Tint clear coat
- Tinting primer-sealer
- Tinting to achieve color match
- Weld, grind or sanding damage to adjacent panels
- Welded seam surface finishing finer than 150 grit sandpaper

**Mitchell**

**Refinish:**
- Add for edge and inside
- Anti-corrosion material application
- Additional application of soft chip primers or anti-chip undercoats
- Color match or tinting
- Feather, Prime & Block paint dmg to adj pnls and/or pnls joined by welding due to burn dmg
- Featheredge paint damage to adj panel and/or panels joined by welding
- Mask attached components, trim, stripes or decals
- Mask interior to prevent overspray damage
- Mask trunk compartment
- Paint and materials
- Prime & block paint damage to adjacent panel and/or panels joined by welding due to burn damage
- Removal of protective coatings
- Second Clear Setup
- Second color set up
- Subsequent vehicle bagging when required
- Tint non-exterior colors
Rear Bumper

Audatex

Options:
Four stage
Two or three stage exterior

Operations:
Additional labor for removal of parts (access labor)
Alignment of parts adjacent to parts being replaced
Application of lubricant or similar material
Detailing
Diagnosis and testing of electronic components or systems (e.g., airbags)
Filling and finishing of unneeded holes
Hazardous waste removal
Labor for drilling necessary to attach parts
R&R of tape stripes or decals
Removal of debris, grease, corrosion, protective coatings, or other materials
Removal of part number labels
Test drive to relearn system
Trimming, repair, or modification of part

R&I Parts:
Non-standard equipment not identified as options
Ornamentation

CCC/MOTOR

Options:
Clear coat
Four stage
Lamps
Three stage

Operations:
Alignment, check or straightening related parts
Clean up or detailing of vehicle prior to delivery
Cutting, pulling or pushing damaged parts for access
Drilling, modification or fabrication of mounting holes
Filling, plugging/finishing of unneeded holes in new parts
Material costs
Pre/post diagnostic scans
Rusted, frozen, broken or corrosion damaged components or fasteners
Stripe tape, decals or overlays
Waste disposal fees (all types)

R&I Parts:
Aftermarket & OEM accessories
Brackets & braces transfer
Energy absorber, if mounted to frame rail (all types)
Lamps (optional equipment, or not mounted to bumper)
reverse sensor
Trunk trim/liner
Valance panel/spoiler (when not mounted to bumper)

Mitchell

Options:
Clear coat
Four stage
Trailer connector
Trailer hitch
Three stage

Operations:
Access time - remove extensively damaged parts by cutting, pushing, pulling etc.
Alignment of adjacent parts
Clean vehicle to pre-accident condition
Hazardous materials recycling or disposal
Install stripes, decals, transfers or overlays
Plug and finish unneeded holes on parts being installed
Pre/Post repairs scans
Removal of tar, grease, or other materials
Shop materials
Time necessary to free up parts frozen by rust or corrosion
Time to aim/calibrate/diagnose/re-set/scan or test
Transfer time for welded/riveted/bonded brackets/braces/reinforcements

R&I Parts:
Adhesive exterior trim; add to clean and retape
Impacts absorbers or mounting arms
New adhesive exterior trim; deduct one-half of R&R time
Non original equipment
Optional accessories
Trailer hitch
Trailer connector
Rear Bumper (continued)

**Audatex**

**Refinish:**
- Add'l prep or cleaning of new, unprimed panels
- Any application of base color beyond the third base coat
- Color tint
- Final sand and buff
- Final wash
- Mask mouldings
- Nib sanding/de-nib
- Paint and materials
- Removal of protective coatings from replacement parts
- Removal of release agents from raw, unprimed plastic components
- Second clear set up
- Second color set up
- Spray additional test panel
- Tint clear coat
- Two tone

**CCC/MOTOR**

**Refinish:**
- Adhesion promoter (unprimed flexible component)
- De-nib & polish
- Flex additive mixing time
- Flex prep application
- Masking of attached parts
- Paint and materials
- Protective coating removal
- Test spray-out panel
- Tint primer or clear coat
- Tinting to achieve color match
- Two tone color tinting
- Two tone refinishing
- Unprimed bumpers, removal of mold-release agents
- Wet/dry sand, rub out and buff

**Mitchell**

**Refinish:**
- Color match or tinting
- De-nib and finesse
- Finish sand and buff
- Mask attached components, trim, stripes or decals
- Paint and materials
- Raw substrate prep
- Removal of protective coatings
- Two tone
**Audatex**

**Options:**
- Automatic transmission
- Oil cooler
- Trailer brakes
- 4x4
- Air conditioning

**Operations:**
- Additional labor for removal of parts (access labor)
- Adjust linkage
- Application of lubricant or similar material
- Bleed brakes (additional labor)
- Detailing
- Disconnect/reconnect computer modules for welding purposes
- Disconnect and reconnect of un-deployed airbag
- Drain and replace oil and fluids
- Drain or refill fuel tank
- Evacuate and recharge A/C system (additional labor)
- Filling and finishing of unneeded holes
- Labor for drilling necessary to attach parts
- R&I of Injected/Structural foam
- Refrigerant recovery (additional labor)
- Removal of debris, grease, corrosion, protective coatings, or other materials
- Removal of part number labels
- Reset electrical components
- Restoration of corrosion-protective coatings
- Rpr panels distorted, burned or damaged by welding, drilling, grinding and straightening.
- Test drive
- Test drive to relearn system
- Trimming, repair, or modification of part
- Wheel alignment (additional labor)

**CCC/MOTOR**

**Options:**
- Automatic transmission
- Air conditioning
- Trailer brakes
- 4x4

**Operations:**
- Alignment, check or straightening related parts
- Anti-corrosion material restoration/application
- Battery D&R/recharge
- Brakes adjust & bleed
- Caulk (non-OEM) or sound insulate inner areas
- Clean up or detailing of vehicle prior to delivery
- Computer control module D&R/relearn
- Cutting, pulling or pushing damaged parts for access
- Drain & refill fuel tank
- Drilling, modification or fabrication of mounting holes
- Fabricate templates, reinforcing inserts, sleeves or flanges
- Filling, plugging/finishing of unneeded holes in new parts
- Fluids (top off)
- Parking brake adjust
- Pulling or straightening time
- Reset electronic memory functions after battery D&R
- Road test vehicle
- Scan tool clear/reset electronic module
- Scan tool diagnostics
- Shift & throttle linkage adjust
- Sprayable seamsealer equipment prep & adjustment before application
- Structural damage diagnosis and vehicle set up time
- Structural foam removal or application
- Test panel/spray caulk
- Undercoating, tar or grease removal
- Weld through primer

**Mitchell**

**Options:**
- Power steering
- Automatic transmission
- Air conditioning
- Trailer brakes
- 4x4
- Anti lock brakes
- Oil cooler

**Operations:**
- Adjust control linkage
- Bleed brakes if necessary
- Clean vehicle to pre-accident condition
- Complete computer relearn procedures for proper operation of vehicle systems
- Drain & refill fuel tank
- Evacuate and recharge A/C Conditioning if so equipped and necessary
- Fabrication of reinforcements or inserts
- Refrigerant recovery if necessary
- Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating or any type of added conditioning.
- Remove extensively damaged parts by cutting, pushing, pulling, etc.
- Repair/Align Parts or adjacent to parts being replaced
- Reset memory code function
- Time necessary to free up parts frozen by rust or corrosion.
- Time to plug and finish unneeded holes on parts being installed.
- Transfer Time for welded/riveted/bonded brackets/braces/reinforcements
- Wheel alignment

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**R&I Parts:**
- Carpet rollback
- Interior bolted parts
- Interior trim panels
- Non-standard equipment
- R&I of non-standard equipment not identified as options
- Wiring harness R&I

**Refinish:**
- Anti-corrosion material application
- Removal of protective coatings from replacement parts
- Second clear set up
- Second color set up
- Second or third bagging or masking of vehicle
- Tint primer or clear coat

**R&I Parts:**
- Aftermarket & OEM accessories
- Auxiliary fuel tank (second tank)
- Brackets & braces transfer
- Brackets (weld on)
- Electrical wiring
- Exhaust systems
- Heat shields
- Interior trim/carpet
- Power steering cooler
- Seats
- Special equipment transfer

**Refinish:**
- Anti-corrosion material application
- Cover/mask entire exterior of vehicle to prevent overspray
- Cover/mask for cut-in
- Filling, blocking, featheredging repaired panels
- Mask inner panels
- Masking of attached parts
- Paint inner areas
- Prime & block (high build/primer-filler)
- Second color set up
- Test spray-out panel
- Tinting Primer-Sealer
- Weld, grind or sanding damage to adjacent panels
- Welded seam surface finishing finer than 150 grit sandpaper
- Wet sanding

**R&I Parts:**
- Auxiliary lamps
- Brush guard
- Computer module
- Fuel tank
- Interior trim
- Optional accessories
- Overhaul assemblies or replace parts of assemblies that are transferred
- Pull back carpet as required
- Seats
- Trailer connector
- Trailer hitch
- Transfer time
- Welded or riveted assemblies of the frame
- Wiring/Wiring harness

**Refinish:**
- Anti-corrosion material application
- Additional application of soft chip primers or anti-chip undercoats
- Color match or tinting
- Feather, prime & block paint dmg to adj pnls and/or pnls joined by welding due to burn dmg
- Second clear set up
- Second color set up
- Subsequent vehicle bagging when required:
ADHESIVES
Adhesive Kit
Adhesive Remover
Cavity Wax
Door Skin Bonding Kit
Foam Sealer Kit on Door
Etch Primer
Expansion Foam
Intrusion Beam Adhesive
Panel Bond Adhesive
Seam Sealer
Seam Sealer Tips
Self Leveling Sealer
Structural foam
Undercoating
Urethane Kit
Weld Thru Primer

ALUMINUM
Aluminum panels materials- rivets, panel bonding, adhesives, bonding primer, EMC screws, flow drill screws
Dye test aluminum welds
Panel bonded panel- additional panel fit
Panel bonded panel- adhesive application
Panel bonded panel- panel/vehicle preparation
Panel bonded panel- sectioning insert/sleeve
Stall cure time for adhesives on aluminum vehicles

AIR CONDITIONER & HEATER
AC Compressor Oil
AC Compressor Oil for Hybrids
AC Machine for Hybrid Cars
AC O Rings
AC Trace Dye
Evacuate & Recharge
Initiate Check Valve to bleed Coolant System
Pressure Test/Purge Cooling System
Protect Open AC Lines to Prevent Contamination
Refrigerant recovery
Refrigerant R-12
Refrigerant R-134a
Refrigerant 1234YF
Set Back Radiator/Condenser
Test AC for Freon Leaks
BODY OPERATIONS
Access pulling or cutting
Alignment of adjacent parts
Application of lubricant or similar material
Caulking/seam sealer test patterns or application of material to duplicate factory look, texture, and color
Caulking/seam sealer as undercoating or sound deadening
Caulking/seam sealer masking
Caulking/seam sealer set up and clean up of application tool
Clean and remove excess adhesive
Clean and retape moldings/mudguards
Drill time- antenna holes/body kit accessories/lic bracket
Drilling, modification or fabrication of mounting holes
Fabricate templates, reinforcing inserts, sleeves or flanges
Hang/test fit new parts
Information label installation
Loosen/pull back carpet
Manual or electronic aiming of headlamps
Plug and finish unneeded holes on parts being installed
R&R/cut and trim sound deadener
Recode lock cylinder
Removal of debris, grease, corrosion, protective coatings, or other materials impeding replacement, R&I, or refinishing of parts
Removal of part number labels
Remove and/or apply weldable zinc primers, wax, petroleum based coatings, undercoating, or any type of added conditioning
Remove taped stripe
Repair license plate
Repair, fitting, or modification of new replacement parts
Restoration of corrosion-protective coatings (e.g., galvanizing, zinc coatings, E-coat ‘equivalent,’ and other like materials)
Seatbelt inspection
Teardown time for total loss
Time necessary to free up parts frozen by rust or corrosion
Transfer time for welded, riveted or bonded brackets, braces or reinforcements
Undercoating, tar or grease removal
Water leak test

CLEAN-UP/PROTECT
Clean & Degrease- Prior to Rpr
Clean Engine Compartment
Clean to Inspect
Clean Up Airbag Residue
Clean Up Broken Glass
Clean Up Recy Parts
Clean Vehicle for Delivery
Clean Vehicle For Repairs
Collision wrap - repairs in process protection
Exterior Detail
Interior Detail
Protect convertible top during repair
Protect interior during repairs
Steam cleaning of or rust removal from fuel tanks

ELECTRICAL
Battery D&R/recharge
Clean diagnostic codes
Clear Codes
Computer control module D&R/relearn
Cutting and splicing of lamp wiring
Diagnosis and testing of electronic components or systems (e.g., airbags)
Disable/Enable Hybrid Codes
Disabling and enabling of Hybrid Vehicle components (i.e. high voltage systems, battery packs, and power cables)
Disarm Airbags
Disconnect / reconnect computer modules for welding purposes
D&R Battery
D&R SRS components
D&R Wiring Harness
Loosen/pull back wiring harness
Post-Scan - after repairs
Pre/post diagnostic scans
Pre-Scan - prior to repairs
Remove electronics within 12” of welding zone
Reset Airbags Light
Reset auto liftgates
Reset Check Engine Light
Reset Memory Functions
Reset Radio Code
Reset soft closing doors
Reset Tire Pressure Light
Reset Window One Touch
Reset/recalibrate autonomous braking
Reset/recalibrate blind spot monitoring
Reset/recalibrate camera/radar systems
Reset/recalibrate steering angle sensor
Repair Hitch Wiring
Repair Wiring Harness
Reset Steering angle sensor
Test drive to relearn system
Wiring repair

**FEES**
Administration Fee for Total Loss
Battery Disposal Fee
Collision wrap - total loss protection
Estimate Fee
Hazmat Removal
Hybrid Battery Disposal
Solid Waste Removal
Tire Disposal Fee

**FLUIDS**
Brake fluid
Coolant
Differential fluid
Freon
Gear oil
Motor oil
Power steering fluid
Transmission fluid
Windshield washer fluid

**FRAME**
Computerized frame measurements
Diagnosis & set up time
Jig rental
Ref pinch welds
Repair pinch welds before/after clamps
Rough pull
Setup of a vehicle on a frame machine,
  dedicated bench, or other measuring / straightening devices
  Sheet metal pull
  Tram gauge measurements
  Unibody structural repair
  Transfer TPMS
  Two-wheel alignment
  Valve stem
  Wheel weights
  Wheel or hub cap locks R&I

**GLASS**
Clean up old adhesive on undamaged urethane glass
Clean up broken glass
Epoxy primer on glass pinch weld where coating has been removed
Glass kit

**MECHANICAL OPS**
Alignment Shim
Bleed Brakes w/Scan Tool
Bleeding of brake, cooling, or hydraulic systems
Diagnostic Work
Drain & Refill Fuel Tank
Flush & Fill Crankcase
Flush & Fill Differential
Flush & Fill Transmission
Four Wheel Alignment
Mount & Balance Wheel
Mount & Balance Spare Wheel
Purge/Bleed Power Steering System
Pre Alignment
Press Bearings
Protect Open Fuel Lines
R&I Brake/Fuel/Vacuum Lines
Pre Alignment/Diagnostic Alignment
Spin & Balance Wheel
Steering column inspection
Test Drive
Thrust Angle Alignment
Transfer & Store Fuel

**REFINISH OPERATIONS**
Black Out Refinish Panel
Color Tint
Second Color Tint
Color Tint for Underside Match
Corrosion Protection
Cover Car/Bag
Denib & Polish
Feather Edge, Prime, & Block
Fine Line Bumper Texture
Finish Sand & Buff
Flex Additive
Gravel Guard/Schultz
Let Down Panel
Make Inner Structure Color
Mask During Prime
Mask During Cut in
Mask Engine
Mask Sunroof Opening
Mask Beyond 36”/Jambs & Openings
Precision Mask
Prep Raw Plastic
Prep Recy Parts for Refinish
Removal of Mold Release Agent
Remove Undercoating
Repair Pre Existing Surface Problems
Rope/Fine Line Back Glass
Rope/Fine Line Windshield
Rope/Fine Line Quarter Glass
Rustproofing
Spot Putty
Spray Out Test Panel

**WELDING OPERATIONS**
Cover Interior From Welding Repairs
Prep to Install Welded Panel
Repair Adjacent Panel from welded panel removal distortion
Set Up & Perform Destructive Test Welds
Spin & Balance Wheel
Test Drive
Thrust Angle Alignment
Transfer & Store Fuel
Two Wheel Alignment
Valve stem
Wheel Weights
Wheel Locks

**PARTS**
Acid Brush
Boron Drill Bits
Body Repair Kit
Bulbs
Bumper Repair Materials
Butyl Tape
Clean Off Wheels
Cut Off Wheels
Door Edge Kit
Double Sided Tape
Eraser Wheel
Fuses
Roloc Discs
Sound Deadener Material
Tie Straps
Wheel Opening Kit
Wire Wheels

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PARTS R&I
R&I aftermarket & OEM accessories
R&I Bed Liner
R&I Bug Shield/Deflector
R&I Toolbox

REFINISH OPERATIONS
Additional application of soft chip primers or anti-chip undercoats
Black out refinish panel
Clear coat (gloss or matte)
Color tint
Color tint for underside match
Color tint non-exterior colors
Corrosion protection
Cover car/bag
Cover/mask recessed edges/jambs/weatherstrips
Denib & polish
Edge refinish color tinting
Edge refinishing
Extend the application of clear to the nearest panel edge or breakpoint
Feather edge, prime, & block
Final wash
Finish sand & buff
Flex additive mixing time
Flex prep application time
Four stage paint
Gravel guard texture match
Gravel guard/schultz
Grind, fill, & smooth welded seams (up to 150 grit sandpaper)
Let down panel
Make inner structure color
Mask beyond 36”/jambs & openings
Mask during cut in
Mask during prime
Mask sunroof opening

Masking of interior surfaces/entryways, engine compartment and trunk openings
Matte/Flat refinished - texture matching
Matte/Flat refinishes - perform test spray-out of let down panel
Matte/Flat refinishes - tinting the matte clear to adjust level of gloss
Panel stripping
Precision mask
Prep raw plastic
Prime & block paint damage to adjacent panel and/or panels joined by welding due to burn damage
Protective coating material application
Protective coating removal
Refinish adj panels that may be damaged by welding
Removal of mold release agent
Remove undercoating
Repair pre-existing surface imperfections
Rope/fine line fixed urethane glass
Rustproofing
Second color tint
Second or third bagging or masking of vehicle
Spot putty
Spray out test panel
Stone chip resistance
Three stage paint
Tinting primer/sealer/clear
Two tone color tinting
Two tone paint
Underside
Underside additional paint mix if it is a different color than the exterior

STONEGUARD
Striped tape, decal & overlay - Adhesive backing removal, clean up and replace

TOWING/STORAGE
Vehicle Storage
Vehicle Storage (inside)
Vehicle Sublet Towing

WELDING OPERATIONS
Destructive weld testing
Prep to install welded panels
Protect interior from welding
R&R acoustical and structural foam within 6” of open flame, excessive heat (600 degrees) or welding operation
Repair adjacent panel from welded panel removal distortion
Welder set up and prep

STRIPE-DECALS
Black Out Tape - (Applique when it is a decal)
Decals
Painted Stripe

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