



Automotive Service Association®

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

Table of Contents

Introduction of Reference Chart of “Not-Included” Operations When Installing New Replacement Parts	3
Contacts for Major Information Providers	4
Labor Notes	5
Refinish Notes	5
Feather/Prime/Block	5
Blending - Suggested/Automated Calculations	5
Front Bumper	6
Headlamp Mounting Panel	8
Hood	10
Radiator Support	12
Fender	15
Door Shell	18
Door Panel	21
Quarter Panel	24
Roof	28
Deck Lid/Lift Gate	31
Rear Body Panel	34
Rear Bumper	37
Full Frame	39
General Non Included	41



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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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Guide to Estimating Procedure Pages

www.motor.com/page.asp?page_ID=176

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



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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)



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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 mouldings 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
Auxillary 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

Headlamp Mounting Panel



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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

Headlamp Mounting Panel (continued)



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R&I Parts:

Moldings/emblems
Namplates/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

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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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

Hood



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)

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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

Hood (continued)



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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

CCC/MOTOR

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/compartments 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

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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

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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)

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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)



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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

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Weld through primer
Welder set up and/or tests and preparation

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

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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
Auxilliary 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

Radiator Support (continued)



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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&l 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
- Paint inner areas
- 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

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- R&R pulley
- R&R radiator hoses
- Radiator Hoses
- Suspension assemblies
- Vapor cannisters
- Wiring and/or 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
- Mask attached components, trim, stripes or decals
- Mask vehicle to prevent overspray damage
- Mask engine 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 set up
- Second color set up
- Subsequent vehicle bagging when required
- Tint non-exterior colors

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

Fender (continued)



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

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

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

Refinish:

Add for Edging
Anti-corrosion material application
Backside e-coat replacement
Backside refinishing
Cover mask engine/compartments to prevent overspray
Cover/mask entire exterior of vehicle to prevent overspray
Cover/mask for cut-in
Cover/mask recessed edges/jambes/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

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:

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

Fender (continued)



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

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

Door Shell (continued)



Audatex

CCC/MOTOR

Mitchell

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
Application of e-coat equivalent
Chip guard application
Chip guard texture match
Color sand and buff
Color tint
Edge/jamb refinish

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:

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/jamb/weatherstrips
De-nib/wet sand and/or buff for polishing
Filling, blocking, featheredging repaired panels
Masking of attached parts

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

R&I Parts:

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

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

Door Shell (continued)



Audatex

- 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

CCC/MOTOR

- 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

- 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

Door Panel



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
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)
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 of door shell
Reset electrical components
Restoration of corrosion-protective coatings
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:

Straightening of door frame
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 broken glass
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
Material costs
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
Sound deadening application
Straightening of door frame
Stripe tape, decals or overlays
Sprayable seamsealer equipment prep & adjustment before application

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
Complete computer relearn procedures for proper operation of vehicle systems
D&R battery
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
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.
Removal of tar, grease, or other materials

Door Panel (continued)



Audatex

R&I Parts:

Body side trim (sliding and cargo vans)
Door-mounted speakers
Moldings/Emblems
Nameplates/Ornaments
Non-standard equipment not identified as options
Power door lock
Shoulder harness/Belt

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

R&I Parts:

Aftermarket & OEM accessories
Back glass wiper or washer (back door)
Body side moldings
Brackets & braces transfer
Emblems & nameplates
Glass
Hinge
Information label installation
Lock cylinder recoding
Mirror
Moldings
Passive restraint system
Regulator
Reinforcement bar
Stripe tape, decals or overlays

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

R&I Parts:

Adhesive exterior trim; add to clean and retape
Channels
Glass
Hardware
Install stripes, decals, transfers or overlays
Mirror
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

Door Panel (continued)



Audatex

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

CCC/MOTOR

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/jamb/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

Mitchell

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-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

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

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)

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

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)

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:

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

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

Quarter Panel (continued)



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/jamb/weatherstrips
Cover/mask trunk/compartments to prevent overspray
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

Roof



Audatex

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 clean up (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

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 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

Mitchell

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

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

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

CCC/MOTOR

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

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

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/compartments to prevent overspray
De-nib & polish
Mask inner panels

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:

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:

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

Roof (continued)



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.

Deck Lid/Lift Gate (continued)



Audatex

CCC/MOTOR

Mitchell

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)

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:

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

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)

Deck Lid/Lift Gate (continued)



Audatex

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 mouldings 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

CCC/MOTOR

Refinish:

- 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/compartments 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

Mitchell

Refinish:

- 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,

Rear Body Panel (continued)



Audatex

Restoration of corrosion-protective coatings
Test drive to relearn system
Transfer of misc. welded braces, brackets, and clips
Trimming, repair, or modification of part
Undercoating

R&I Parts:

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

CCC/MOTOR

Stripe tape, decal or overlays structural foam removal or application
Test for water leaks (except windshield, back glass, and stationary gGlass)
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

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

Mitchell

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
Time to complete computer relearn procedures for proper operation of vehicle systems when the battery has been D&R's
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:

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/compartments 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
Bridges & 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

Full Frame



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 Air 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

Full Frame (continued)



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

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

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
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

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

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:

General Non Included



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

Initialize 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

General Non Included (continued)



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

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

Transfer TPMS
Two-wheel alignment
Valve stem
Wheel weights
Wheel or hub cap locks R&I

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

Stone Chip Resistance
Three Stage Paint
Two Tone Paint

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

General Non Included (continued)



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/jambes/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"/jambes & 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

STRIPE-DECALS

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

Stoneguard
Stripe 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