



**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 .....	7
Hood .....	8
Radiator Support.....	9
Fender .....	11
Door Shell .....	12
Door Panel .....	14
Quarter Panel .....	16
Deck Lid/Lift Gate .....	18
Rear Body Panel .....	20
Full Frame .....	22
General Non Included .....	24



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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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8209 Mid Cities Blvd., North Richland Hills, TX 76182-4712, Phone (817) 514-2900, [www.ASAshop.org](http://www.ASAshop.org)

**This guide is endorsed by the information providers below.  
For the latest information, visit the providers' websites.**



**AudaExplore, a Solera Company**

(800) 366-4237

[www.audatex.us](http://www.audatex.us)

Audatex Reference Manual

[www.support.audatex.us](http://www.support.audatex.us)

Request for Review

[https://www.training.audatex.us/rfr\\_request.asp](https://www.training.audatex.us/rfr_request.asp)



**Mitchell International**

(800) 854-7030

[www.mitchell.com](http://www.mitchell.com)

CEG Procedure Pages

[www.mitchell.com/support](http://www.mitchell.com/support)

Search for "Procedure Pages"

Submit an Issue

[https://www.mitchell.com/support/ns/contact\\_phone.asp](https://www.mitchell.com/support/ns/contact_phone.asp)



INFORMATION SERVICES INC.

**CCC Information Services, Inc.**

(800) 621-8070

[www.cccis.com](http://www.cccis.com)



**Motor Information Systems**

(800) 288-6828

[www.motor.com](http://www.motor.com)

Guide to Estimating Procedure Pages

[www.motor.com/page.asp?page\\_ID=176](http://www.motor.com/page.asp?page_ID=176)

Customer Service Contact

[www.motor.com/customer\\_service.asp](http://www.motor.com/customer_service.asp)

## Labor Notes:

Listed are general procedures for new part replacement operations. Specific vehicle information, labor notes, and part details may be found in each information provider's printed or electronic data.

- All labor/refinish times are based on new undamaged vehicles and parts.
- Information in the procedure pages may be superceded by vehicle footnotes.
- Mechanical parts or operations are indicated by (M). A Mechanical Labor Rate may be appropriate.
- Some parts may not contain a labor or refinish amount; check if this is appropriate for that particular repair and add as a judgment amount, if needed.

## Refinish Notes:

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

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

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

## Feather/Prime/Block – Collision Industry Conference, April 2006

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

## Blending – Suggested/Automated Calculations

Blending formulas are for use on an UNDAMAGED panel for the sole purpose of facilitating color match. The formulas assume adjacent panels also are being refinished. They are not intended for use on repaired panels.

# Front Bumper



## Audatex

### Options:

Bumper Guards  
Cornering Lamps  
Fog Lamps  
Frt/Rear Obstacle Warning Systems  
Front Spoiler  
Headlamp Washers  
Impact Strip  
Parking Sensor  
Two or Three Stage Exterior  
Two or Three Stage Interior

### Operations:

Aim Headlamps  
Additional labor for removal of parts (access labor)  
Alignment of parts adjacent to parts being replaced  
Detailing  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Trimming, repair, or modification of part

### R&I Parts:

Front License Bracket  
Front License Plate  
Impact Bar  
Moldings/Emblems  
Namplates/Ornaments  
Non-Standard Equipment  
Ornamentation

### Refinish:

Color sand & buff  
Color Tint  
Masking of mouldings and ornamentation  
Nib Sanding/De-nib  
Preparation of a raw, unprimed parts  
Removal of protective coatings from replacement parts  
Spray additional test panel  
Tint primer or clear coat  
Two Tone

## CCC/MOTOR

### Options:

Clear  
Three Stage

### Operations:

Additional aligning or repair  
Clean up or detailing of vehicle prior to delivery  
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  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Stripe tape, decals or overlays

### 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) frame)  
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:

De-nib/wet sand and/or buff for polishing  
Flex additive mixing time  
Flex prep application  
Masking of attached parts  
Test spray-out panel  
Tinting to achieve color match  
Two Tone  
Unprimed bumpers, removal of mold-release agents

## Mitchell

### Options:

Auxillary/ Fog Lamps  
Brush Guard  
Clear Coat  
Fog Lamps  
Headlamp Washers  
Laser/Radar/Cruise Control  
Park Aid Sensors  
Spoiler

### Operations:

Install stripes, decals, transfers or overlays  
Aim Headlamps  
Clean vehicle to pre-accident condition.  
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.  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed.  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Auxillary Lamps  
Brush Guards  
Fog Lamps  
Head lamp Washers  
Impacts Absorbers or Mounting Arms  
Laser/Radar Cruise Control Sensor  
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  
Removal of release agent from OEM raw plastic components  
Two Tone

# Headlamp Mounting Panel



## Audatex

### Options:

Two or Three Stage Exterior  
Two or Three Stage Interior

### Operations:

Additional labor for removal of parts (access labor)  
Aim headlamps  
Alignment of parts adjacent to parts being replaced  
Detailing  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Trimming, repair, or modification of part

### R&I Parts:

Moldings/Emblems  
Namplates/Ornaments  
Non-standard equipment

### Refinish:

Anti-corrosion material application  
Color Sand and Buff  
Color Tint  
Masking of mouldings and ornamentation  
Nib Sanding/De-nib  
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

### Options:

Clear Coat  
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  
Lamp aiming  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Stripe tape, decals or overlays

### R&I Parts:

Bumper assembly  
Aftermarket & OEM accessories  
Brackets & braces transfer

### 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  
Test spray-out panel  
Tinting Primer-Sealer  
Tinting to achieve color match  
Two Tone

## Mitchell

### Options:

Clear Coat  
Three Stage

### Operations:

Aim lamps  
Clean vehicle to pre-accident condition.  
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.  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed.  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Adhesive exterior trim; add to clean and retape  
Fenders  
Front Bumper  
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  
Subsequent vehicle bagging when required:  
Two Tone

# Hood



## Audatex

### Options:

Two or Three Stage Exterior  
Two or Three Stage Interior  
Hood Scoop

### Operations:

Trimming, repair, or modification of part  
Additional labor for removal of parts (access labor)  
Alignment of parts adjacent to parts being replaced  
Application of lubricant or similar material  
Detailing  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Seamsealing

### R&I Parts:

Hinge from vehicle  
Insulator pad  
Moldings/Emblems  
Nameplates/Ornaments  
Non-standard equipment  
Specification Labels  
Wiring

### Refinish:

Anti-corrosion material application  
Color Sand and Buff  
Color Tint  
Masking of interior surfaces/entryways  
Nib Sanding/De-nib  
R&I or masking of mouldings and ornamentation  
Removal of protective coatings from replacement parts  
Second or third bagging or masking of vehicle  
Spray additional test panel  
Tint primer or clear coat  
Two Tone  
Underside refinishing

## CCC/MOTOR

### Options:

Clear Coat  
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  
Fabricate templates, reinforcing inserts, sleeves or flanges  
Filling, plugging/finishing of unneeded holes in new parts  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Seamsealer  
Sprayable seamsealer equipment prep & adjustment before application

### R&I Parts:

Aftermarket & OEM accessories  
Hinge  
Hood Lock  
Information label installation  
Moldings/Emblems  
Nameplates/Ornaments  
Stripe tape, decals or overlays

### 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 inner areas  
Test spray-out panel  
Tinting Primer-Sealer  
Tinting to achieve color match  
Two Tone  
Underside refinishing

## Mitchell

### Options:

Clear Coat  
Three Stage

### Operations:

Clean vehicle to pre-accident condition.  
Drill holes for installing exterior trim  
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.  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed.  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Gas prop rod  
Hinges  
Insulator (Adhesive)  
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:

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 Vehicle to Prevent Overspray Damage  
Subsequent vehicle bagging when required:  
Two Tone  
Underside refinishing



# Radiator Support



## Audatex

### Options:

Air Conditioning  
Automatic Transmission  
Oil Cooler  
Two or Three Stage Interior

### Operations:

Aim headlamps  
Evacuate and recharge A/C system  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
Refrigerant recovery  
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 to relearn system  
Trimming, repair, or modification of part

### R&I Parts:

Bumper overhaul  
Disconnect/connect of power steering lines  
Fuel vapor canister  
Fuse Box  
Non-Standard Equipment  
Relay  
Specification labels  
Wiring Harness

## CCC/MOTOR

### Options:

Air Conditioning  
Clear Coat  
Transmission

### 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  
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  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Sprayable seamsealer equipment prep & adjustment before application  
Test panel/spray caulk  
Undercoating, tar or grease removal  
Weld through primer

### 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

## Mitchell

### Options:

Air Conditioning  
Automatic Transmission  
Clear Coat  
Oil Cooler  
Skid Plate

### Operations:

Aim Lamps if attached to support  
Clean vehicle to pre-accident condition.  
Complete computer relearn procedures for proper operation of vehicle systems  
Fabrication of reinforcements or inserts  
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

### R&I Parts:

Air Conditioning Components  
Belts  
Bolted Parts & assemblies  
Computer module.  
Cruise Control  
Decals  
Fan  
Fan Clutch  
Fenders  
Fluid reservoirs & coolers  
Front Bumper  
Front Header Panel  
Hood Panel  
Puley  
Radiator Hoses  
Suspension assemblies  
Vapor Cannisters  
Wiring and/or wiring harness

# Radiator Support (continued)



## Audatex

### Refinish:

- Anti-corrosion material application
- R&I or masking of mouldings and ornamentation
- Color Tint
- Masking of engine compartment
- Removal of protective coatings from replacement parts
- Second Clear Setup
- Second color set up
- Second or third bagging or masking of vehicle
- 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
- 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
- Tinting to achieve color match
- Weld, grind or sanding damage to adjacent panels
- Welded seam surface finishing finer than 150 grit sandpaper

## Mitchell

### 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
- Second Clear Setup
- Second color set up
- Subsequent vehicle bagging when required

# Fender



## Audatex

### Options:

Two or Three Stage Exterior  
Two or Three Stage Interior

### 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  
Corrosion protection  
Detailing  
Drilling hole for antenna installation  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Seam sealing  
Trimming, repair, or modification of part

### R&I Parts:

Antenna assembly  
Battery  
Battery Tray  
Moldings/Emblems  
Namplates/Ornaments  
Non-standard equipment  
Stripe removal

### Refinish:

Anti-corrosion material application  
Chipguard  
Color Sand and Buff  
Color Tint  
Edging  
Masking of interior surfaces/entryways  
Nib Sanding/De-nib  
R&I or masking of mouldings and ornamentation  
Removal of protective coatings from replacement parts  
Second or third bagging or masking of vehicle  
Spray additional test panel  
Tint primer or clear coat  
Two Tone

## CCC/MOTOR

### Options:

Clear Coat  
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  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Undercoating, tar or grease removal

### 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 refinishing  
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 inner areas  
Stone Chip Guard  
Test spray-out panel  
Tinting Primer-Sealer  
Tinting to achieve color match  
Two Tone

## Mitchell

### Options:

Clear Coat  
Three Stage

### Operations:

Aim lamps  
Clean vehicle to pre-accident condition.  
Cut holes for installing lamps  
Drill holes for installing exterior trim  
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.  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed.  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Adhesive exterior trim; add to clean and retape  
Antenna  
Front Bumper  
Front Header Panel  
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 refinishing  
Mask attached components, trim, stripes or decals  
Mask Vehicle to Prevent Overspray Damage  
Subsequent vehicle bagging when required:  
Two Tone

# Door Shell



## Audatex

### Options:

Keyless Entry  
Mirrors  
Power Locks  
Two or Three Stage Exterior  
Two or 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  
Corrosion protection  
Detailing  
Excessive alignment required by the prior condition of the door opening  
Filling and finishing of unneeded holes  
Glass or other collision debris cleanup  
Labor for drilling necessary to attach parts  
Lock cylinder coding  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Reset Electrical Components  
Test drive to relearn system  
Trimming, repair, or modification of part

### R&I Parts:

Door striker  
Door-mounted speakers  
Moldings/Emblems  
Namplates/Ornaments  
Non-standard equipment  
Shoulder harness/Belt  
Sound deadener  
Specification labels R&I or replacement  
Stripe, woodgrain, or decal removal  
Transfer hinges

## CCC/MOTOR

### Options:

Clear Coat  
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  
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  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Seamsealer  
Sprayable seamsealer equipment prep & adjustment before application

### R&I Parts:

Aftermarket & OEM accessories  
Back glass wiper or washer  
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  
Spare tire carrier  
Stripe tape, decals or overlays

## Mitchell

### Options:

Clear Coat  
Power Locks  
Power Windows  
Remote Mirror  
Three Stage

### Operations:

Recode lock cylinder  
Broken glass clean up  
Clean vehicle to pre-accident condition.  
Complete computer relearn procedures for proper operation of vehicle systems  
Drill holes for installing trim  
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  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Decals  
Hinge anchor plates  
Hinges  
Install stripes, decals, transfer or overlays  
R&I Adhesive exterior trim: deduct one-half of R&R time  
R&R channels attached to glass  
Rear view mirror

# Door Shell (continued)



## Audatex

### Refinish:

- Anti-corrosion material application
- Chipguard
- Color Sand and Buff
- Color Tint
- Masking of interior surfaces/entryways
- Nib Sanding/De-nib
- R&I or masking of mouldings and ornamentation
- Removal of protective coatings from replacement parts
- 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 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 inner areas
- Stone Chip Guard
- Test spray-out panel
- Tinting Primer-Sealer
- Tinting to achieve color match
- Two Tone

## Mitchell

### Refinish:

- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Finish sand and buff
- Gravel guard refinish
- Mask attached components, trim, stripes or decals
- Mask Vehicle to Prevent Overspray Damage
- Subsequent vehicle bagging when required:
- Two Tone

# Door Panel



## Audatex

### Options:

Keyless Entry  
Mirrors  
Power Locks  
Two or Three Stage Exterior  
Two or 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  
Detailing  
Filling and finishing of unneeded holes  
Glass or other collision debris cleanup  
Labor for drilling necessary to attach parts  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of panel bonding adhesive material  
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

### R&I Parts:

Door-mounted speakers  
Moldings/Emblems  
Namplates/Ornaments  
Non-standard equipment  
Power door lock  
Shoulder harness/Belt

## CCC/MOTOR

### Options:

Clear Coat  
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  
Drilling, modification or fabrication of mounting holes  
Fabricate templates, reinforcing inserts, sleeves or flanges  
Filling, plugging/finishing of unneeded holes in new parts  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Sprayable seamsealer equipment prep & adjustment before application  
Weld thru primer

### R&I Parts:

Aftermarket & OEM accessories  
Back glass wiper or washer  
Body side moldings  
Brackets & braces transfer  
Emblems & nameplates  
Glass  
Hinge  
Lock cylinder recoding  
Mirror  
Moldings  
Regulator  
Reinforcement bar  
Stripe tape, decals or overlays

## Mitchell

### Options:

Clear Coat  
Power Locks  
Power Windows  
Remote Mirror  
Three Stage

### Operations:

Broken glass clean up  
Clean vehicle to pre-accident condition.  
Complete computer relearn procedures for proper operation of vehicle systems  
Drill holes for installing trim  
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.  
Replace sound deadening  
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

### R&I Parts:

Channels  
Glass  
Hardware  
Install stripes, decals, transfers or overlays  
Mirror  
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  
Chipguard  
Color Sand and Buff  
Color Tint  
Edging  
Masking of interior surfaces/entryways  
Nib Sanding/De-nib  
R&I or masking of mouldings and ornamentation  
Removal of protective coatings from replacement parts  
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 entire exterior of vehicle to prevent overspray  
Cover/mask for cut-in  
De-nib/wet sand and/or buff for polishing  
Edging  
Filling, blocking, featheredging repaired panels  
Masking of attached parts  
paint inner areas  
Stone Chip Guard  
Test spray-out panel  
Tinting Primer-Sealer  
Tinting to achieve color match  
Two Tone

## Mitchell

### Refinish:

Anti-corrosion material application  
Color match or tinting  
De-nib and finesse outside surface area(s)  
Edging  
Finish sand and buff  
Gravel guard refinish  
Mask attached components, trim, stripes or decals  
Mask Vehicle to Prevent Overspray Damage  
Subsequent vehicle bagging when required:  
Two Tone

# Quarter Panel



## Audatex

### Options:

Ground Effects  
Mirrors  
Rear Antenna  
Rear Mudguards  
Two or Three Stage Exterior  
Two or Three Stage Interior

### Operations:

Restoration of corrosion-protective coatings  
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  
Disconnect and reconnect of un-deployed airbag  
Drain or refill fuel tank  
Filling and finishing of unneeded holes  
Glass or other collision debris cleanup  
Labor for drilling necessary to attach parts  
R&I of Injected/Structural foam  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Reset Electrical Components  
Rpr panels distorted, burned or damaged by welding, drilling, grinding and straightening.  
Test drive to relearn system  
Trimming, repair, or modification of part

### R&I Parts:

Antenna assembly  
Body insulation (e.g., foams, pads)  
Body weatherstrip  
Fuel tank  
Headliner  
Non-standard equipment  
Roll down quarter glass  
Sunroof drain  
Wiring harness

## CCC/MOTOR

### Options:

Clear Coat  
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  
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  
Panels inward of quarter  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Sprayable seamsealer equipment prep & adjustment before application  
Structural foam removal or application  
Test panel/spray caulk  
Undercoating, tar or grease removal  
Weld through primer

### R&I Parts:

Aftermarket & OEM accessories  
Antenna  
Body side moldings  
Brackets & braces transfer  
Carpet & insulation  
Electrical wiring  
Emblems & nameplates  
Foil  
Fuel tank  
Glass regulator assembly  
Headliner  
Lamp  
Mud guard  
Road wheel  
Roof cover R&I or roll back  
Spoilers & flares  
Stripe tape, decals or overlays  
Trunk lid, liftgate or tailgate  
Wheel or hub cap locks R&I

## Mitchell

### Options:

Clear Coat  
Three Stage  
Vinyl Roof

### Operations:

Broken glass clean up  
Clean vehicle to pre-accident condition.  
Complete computer relearn procedures for proper operation of vehicle systems  
Cut holes for installing lamps  
Drain & refill fuel tank  
Drill holes for installing exterior trim  
Fabrication of reinforcements or inserts  
Remove and replace inner panels  
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  
Time necessary to free up parts frozen by rust or corrosion.  
Time to plug and finish unneeded holes on parts being installed.  
Transfer Time for welded/riveted/bonded brackets/braces/reinforcements

### R&I Parts:

Antenna  
Computer module.  
Fuel Tank  
Install stripes, decals, transfers or overlays  
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  
Wheel  
Window Moldings  
Wiring and/or wiring harness



# Quarter Panel *(continued)*



## Audatex

### Refinish:

- Anti-corrosion material application
- Masking of mouldings and ornamentation
- Chipguard
- Color Sand and Buff
- Color Tint
- Masking of interior surfaces/entryways
- Nib Sanding/De-nib
- 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 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
- De-nib/wet sand and/or buff for polishing
- 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
- Stone Chip Guard
- Test spray-out panel
- Tinting Primer-Sealer
- Tinting to achieve color match
- Two Tone
- Weld, grind or sanding damage to adjacent panels
- Welded seam surface finishing finer than 150 grit sandpaper

## Mitchell

### Refinish:

- Anti-corrosion material application
- Color match or tinting
- De-nib and finesse outside surface area(s)
- Extension of Clear Coat
- 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
- Mask attached components, trim, stripes or decals
- Mask interior to prevent overspray damage
- Mask Vehicle to Prevent Overspray Damage
- Second Clear Setup
- Second color set up
- Subsequent vehicle bagging when required:
- Two Tone

# Deck Lid/Lift Gate



## Audatex

### Options:

Heated Tailgate Glass  
Rear Camera  
Rear Spoiler  
Rear Wiper  
Two or Three Stage Exterior  
Two or 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  
Detailing  
Filling and finishing of unneeded holes  
Glass or other collision debris cleanup  
Labor for drilling necessary to attach parts  
Lock cylinder coding  
Removal of debris, grease, corrosion, protective coatings, or other materials  
Removal of part number labels  
Reset Electrical Components  
Test drive to relearn system  
Trimming, repair, or modification of part

### R&I Parts:

Hinge from vehicle  
Moldings/Emblems  
Namplates/Ornaments  
Non-standard equipment  
Specification labels  
Wiring

## CCC/MOTOR

### Options:

Clear Coat  
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  
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  
Information label installation  
Lock cylinder recoding  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Seamsealer  
Sprayable seamsealer equipment prep & adjustment before application  
Undercoating, tar or grease removal

### R&I Parts:

Aftermarket & OEM accessories  
Back glass wiper or washer  
Bonded glass removal from damaged liftgate  
Brackets & braces transfer  
Camera  
Electrical wiring  
Emblems & nameplates  
Hinge  
Moldings  
Spare tire carrier  
Special interior trim  
Spoilers & flares  
Stripe tape, decals or overlays

## Mitchell

### Options:

Clear Coat  
Three Stage

### Operations:

Broken glass clean up  
Clean vehicle to pre-accident condition.  
Complete computer relearn procedures for proper operation of vehicle systems  
Drill holes for installing exterior trim  
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.  
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

### R&I Parts:

Decals  
Gas prop rod  
Hinge anchor plates  
Hinges  
Install stripes, decals, transfers or overlays  
Luggage rack  
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  
Wiper

# Deck Lid/Lift Gate *(continued)*



## **Audatex**

### **Refinish:**

Anti-corrosion material application  
Color Sand and Buff  
Color Tint  
Masking of interior surfaces/entryways  
Masking of mouldings and ornamentation  
Masking of trunk openings  
Nib Sanding/De-nib  
Removal of protective coatings from replacement parts  
Second or third bagging or masking of vehicle  
Spray additional test panel  
Tint primer or clear coat  
Two Tone  
Underside refinishing

## **CCC/MOTOR**

### **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 inner areas  
Test spray-out panel  
Tinting Primer-Sealer  
Tinting to achieve color match  
Two Tone  
Underside refinishing

## **Mitchell**

### **Refinish:**

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 Vehicle to Prevent Overspray Damage  
Subsequent vehicle bagging when required:  
Two Tone  
Underside refinishing

# Rear Body Panel



## Audatex

### Options:

Two or Three Stage Exterior  
Two or Three Stage Interior

### Operations:

Code Lock Cylinder  
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  
Disconnect and reconnect of un-deployed airbag  
Drain or refill fuel tank  
Filling and finishing of unneeded holes  
Labor for drilling necessary to attach parts  
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 to relearn system  
Trimming, repair, or modification of part

### R&I Parts:

Body Insulation  
Body Weatherstrip  
Exhaust System  
Fuel System  
Mouldings/Emblems  
Nameplates/Ornaments  
Non-Standard Equipment  
Power Lock Actuator  
Specification Labels  
Wiring

## CCC/MOTOR

### Options:

Clear Coat  
Three Stage

### Operations:

Code Lock Cylinder  
Sprayable seamsealer equipment prep & adjustment before application  
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  
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  
Reset electronic memory functions after battery d&r  
Road test vehicle  
Scan tool clear/reset electronic module  
Scan tool diagnostics  
Structural foam removal or application  
Test panel/spray caulk  
Undercoating, tar or grease removal  
Weld through primer

### R&I Parts:

Aftermarket & OEM accessories  
Brackets & braces transfer  
Camera  
Electrical Wiring  
Emblems/Nameplates  
Energy Absorber  
Exhaust System (M)  
Fuel Tank  
Mouldings/Ornamentation  
Valance Panel

## Mitchell

### Options:

Clear Coat  
Three Stage

### Operations:

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  
Drain & refill fuel tank  
Drill holes for installing exterior trim  
Fabrication of reinforcements or inserts  
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

### R&I Parts:

Fuel Tank  
Computer module.  
Exterior Trim (adhesive)  
Stripe tape, decals or overlays  
Wiring/Wiring Harness

# Rear Body Panel *(continued)*



## **Audatex**

### **Refinish:**

Anti-corrosion material application  
Color Tint  
Masking of interior surfaces/entryways  
Masking of mouldings and ornamentation  
Masking of trunk openings  
Removal of protective coatings from replacement parts  
Second Clear Setup  
Second color set up  
Second or third bagging or masking of vehicle  
Tint primer or clear coat

## **CCC/MOTOR**

### **Refinish:**

Anti-corrosion material application  
Cover/mask entire exterior of vehicle to prevent overspray  
Cover/mask for cut-in  
Cover/mask interior of vehicle to prevent overspray damage  
Cover/mask trunk/compartment to prevent overspray  
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  
Tinting to achieve color match  
Weld, grind or sanding damage to adjacent panels  
Welded seam surface finishing finer than 150 grit sandpaper

## **Mitchell**

### **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 interior to prevent overspray damage  
Second Clear Setup  
Second color set up  
Subsequent vehicle bagging when required:

# 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)



## Audatex

### R&I Parts:

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

### Refinish:

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

## CCC/MOTOR

### R&I Parts:

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

### Refinish:

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

## Mitchell

### R&I Parts:

Auxiliary lamps  
Brush Guard  
Computer module.  
Fuel tank  
Interior Trim  
Optional accessories  
Overhaul assemblies or replace parts of assemblies that are transferred  
Pull back carpet as required  
Seats  
Trailer Connector  
Trailer Hitch  
Transfer Time  
Welded or riveted assemblies of the frame  
Wiring/Wiring Harness

### Refinish:

Anti-corrosion material application  
Additional application of soft chip primers or anti-chip undercoats  
Color match or tinting  
Feather, Prime & Block paint dmg to adj pnls and/or pnls joined by welding due to burn dmg  
Second Clear Setup  
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
- Undercoating
- Urethane Kit
- Weld Thru Primer

## ALUMINUM

- Dye Test Aluminum Welds
- 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 R-12
- Refrigerant R-134a
- Refrigerant 1234YF
- Set Back Radiator/Condenser
- Test AC for Freon Leaks

## CLEAN-UP

- 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
- Exterior Detail
- Interior Detail

## ELECTRICAL

- Clear Codes
- Disable/Enable Hybrid Codes
- Disarm Airbags
- D&R Battery
- D&R SRS components

- D&R Wiring Harness
- Pre-Scan - prior to repairs
- Post-Scan - after repairs
- Reset Airbag Light
- Reset Check Engine Light
- Reset Memory Functions
- Reset Radio Code
- Reset Tire Pressure Light
- Reset Window One Touch
- Repair Hitch Wiring
- Repair Wiring Harness
- Reset Steering angle sensor

## 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

## MECHANICAL OPS

- Alignment Shim
- Bleed Brakes w/Scan Tool
- 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/Diagnositic Alignment
- Spin & Balance Wheel
- Test Drive
- Thrust Angle Alignment
- Transfer & Store Fuel
- Two Wheel Alignment
- Valve stem
- Wheel Weights
- Wheel Locks

## 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

## BODY OPERATIONS

- Access Pulling or Cutting
- Access to Inspect
- Add to O/H Recy Parts
- Apply/Remove Seamsealer
- Clean & Remove Excess Adhesive
- Clean & Retape Body Side Moldings
- Clean & Retape Mudguard
- Collision wrap - repairs in process protection
- Corroded/Frozen Parts Labor
- Cut & Trim LKQ Rocker/Pillar/Quarter/Bedside Panel
- Cut & Trim LKQ Pillar Panel
- Drill Time- Antenna Holes/Body Kit Accessories/Lic Bracket
- Hang/Test Fit New Parts
- Loosen/Pull Back Carpet
- Loosen/Pull Back Cooling Lines
- Loosen/Pull Back Wiring Harness
- Non-OEM Parts Fit/Test Fit
- Pinch Weld Damage From Clamps
- Plug& Finish Unnecessary Holes
- Prep Panels for Glue
- Prep Panels for Welding
- Protect Conv't Top During Repair
- Protect Electronics



# General Non Included



Protect Interior During Repairs  
Remove Accessory Items  
Remove/Repl Sound Deadener  
Remove Taped Stripe  
Repair License Plate  
Repair Recy Parts  
Seatbelt inspection  
Sleeve Panel  
Tear Down Time For Total Loss  
Transfer Components Time- Brackets, etc  
Trim & Fit Sound Deadener Pads  
Water Leak Test  
R&I Glass (door skin replacement)

## FLUIDS

Brake Fluid  
Coolant  
Differential Fluid  
Freon  
Gear Oil  
Motor Oil  
Power Steering Fluid  
Transmission Fluid  
Windshield Washer Fluid

## FRAME

Diagnosis & Set Up Time  
Repair Pinch Welds  
Ref Pinch Welds Before/After Clamps  
Rough Pull  
Set Up & Measure  
Jig Rental  
Sheet Metal Pull  
Unibody Structural Repair

## 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  
Body Repair Kit

## PARTS R&I

R&I Bed Liner  
R&I Bug shield/Deflector  
R&I Toolbox

## STRIPE-DECALS

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

## TOWING/STORAGE

Vehicle Storage  
Vehicle Storage (inside)  
Vehicle Sublet Towing