



# Blend Study Report:

A COMPARATIVE ANALYSIS BETWEEN FULL REFINISH  
AND BLEND OPERATIONS

## Acknowledgements

This study report provides a summary of a research coordinated and produced by the Society of Collision Repair Specialists (SCRS). SCRS wishes to extend its appreciation to 3M, AkzoNobel Vehicle Refinishes, Axalta Coating Systems, BASF Automotive Refinish, DEKRA North America, Ford Motor Company, Global Finishing Solutions, PPG Industries and Sherwin-Williams Automotive Finishes for contributions to, and participation in the research.



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Since 1982, the Society of Collision Repair Specialists (SCRS) has been the largest national trade association solely representing and dedicated to the hardworking collision repair facilities across North America. SCRS was founded with the principles that through working together, collision repair facilities could inspire positive advancement in our industry. Since its formation, SCRS has provided repairers with an audible voice, a strong presence and an extensive grassroots network of industry professionals who strive to better our trade.

SCRS' mission is to educate, inform and represent the collision repair professional in all aspects of the industry. It is the associations' objective to promote, support and encourage exemplary businesses committed to the future of the collision repair industry, while providing the visibility and leadership needed to raise the professional image of the industry and advance the business conditions of those whom we represent.

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## Executive Summary

Blending a panel that is adjacent to a panel being replaced or repaired is a necessary process to achieve a proper color match, and is recommended by all the major automotive refinish companies in North America. Blending is the process of applying color to a portion of the outer surface to create the appearance of a color match between the two surfaces. While color is only added to a portion of the outer surface, the entire panel is cleaned, prepped, sanded, masked and clear coated.

There are three primary estimating system information providers (IPs) in the United States. Each defines its own refinish times, and each establishes the labor for blend on a two-stage refinish by utilizing a formula of 50% of the full refinish value.

Collision repairers have routinely expressed that blending a panel takes more skill and time to facilitate an invisible transition than the existing formulas reflect. The belief is that 50% of the full refinish value is not an accurate comparison of the steps involved between full refinish and blend. As a result, collision repair businesses have often asked the Society of Collision Repair Specialists (SCRS) to address what they perceive as a deficiency in the formula.

SCRS has repeatedly communicated the concern to all three IPs, conveying that our members do not believe the 50% formula adequately represents the operations performed to blend a panel. The studies that led to the blend formulas were performed decades ago and conducted in private, and the

results of the blend studies and other labor time breakdowns are described as proprietary information and are not distributed externally to the industry. The IPs have continued to use the 50% formula to address blend labor.

As a result, SCRS coordinated a research study in collaboration with the five primary North American coatings companies to do a comparative analysis of the time delta between performing a full refinish and a blend for color match. Because the operation of blending is expressed as a percentage of the estimated refinish time assigned to a component, we performed a comparative analysis between the two operations, rather than a refinish time study seeking to refute or validate the published refinish time established by each company. The study was audited and validated by an independent testing, inspection and certification entity.

The conclusions of this study indicated that blending, on average, took 31.59% more time than a full refinish, rather than the 50% less time allocated in the three IP estimating systems.

The findings suggest that the contention that blending a panel should not be allocated less time than a full refinish panel is well founded. The study results conclude that the existing 50% formula may not be an accurate representation of the comparison between the two tasks. The implication is that a reduction of refinish values reduces compensation for both labor and materials.

## Introduction

The collision repair industry is responsible for restoring collision-damaged vehicles. Customer expectations are that the repaired vehicle will look as it did prior to the collision.

One of the most visible elements of the repair is the refinish. To achieve a proper color match, automotive refinish companies recommend tinting to a blendable match. This means that when a panel is replaced, the recommendation is to blend the refinish into the adjacent panels. Blending is the process of applying color to both the replaced panel and a portion of the outer surface of an adjacent panel, creating the appearance of a color match between the two surfaces.

The three primary estimating system information providers (IPs) in the United States—Audatex, CCC (Motor) and Mitchell—each define blend on a two-stage refinish as 50% of the full refinish value.

## Background

Blending is defined by each IP as follows.

Audatex, Database Reference Manual	CCC (MOTOR), Guide to Estimating	Mitchell, Collision Estimating Guide
<p>Blending is defined as the application of color to a portion of an undamaged adjacent panel for the sole purpose of facilitating the appearance of color match into the area. When blending is performed in a two- or three-stage refinish system, the same definition applies to the process and includes</p>	<p>Calculations for blending are based upon the outer surface only and should not include additions for underside, inside or edges of the blend panel. There should be no overlap deduction between blend panel(s) and/or refinished panel(s). This formula is not applicable to SINGLE-STAGE, 3-STAGE, 4-STAGE or TWO-TONE type finishes. Finishes</p>	<p><b>Blend for Color Match</b> Blending is defined as applying color, without necessity to cover undercoats, to less than the full surface area of an adjacent undamaged panel. Paint manufacturers recommend blending adjacent panels when a panel is replaced or repaired and color applied to the full surface areas or to the</p>

The Society of Collision Repair Specialists (SCRS) conducted a study in collaboration with the five primary North American coatings companies to do a comparative analysis of the time difference between performing a full refinish and a blend for color match.

SCRS worked with AkzoNobel Vehicle Refinishes, Axalta Coating Systems, BASF Automotive Refinish, PPG Industries and Sherwin-Williams Automotive Finishes to perform the research. The study was monitored and audited by DEKRA North America, the world's largest unlisted expert organization in the testing, inspection, certification (TIC) industry. The studies were conducted at the Global Finishing Solutions (GFS) Center for Excellence in Osseo, Wisconsin, August 25–28, 2022.

### Audatex, Database Reference Manual

the application of clear coat to the entire blended panel.

**Note:** I-CAR® [Inter-Industry Conference on Auto Collision Repair] recommends preparing and planning to blend before the work begins. This means that blending should be planned for in all phases of refinish, from tinting to preparation of surfaces. Following this recommendation will ensure that when the decision is made to blend, the preparation work is already complete. (For additional information, see I-CAR Finish Matching, Module 2, and Topic 3.) Blending into an undamaged/unreplaced adjacent panel to facilitate color match is automated in the Audatex system and can be selected on a panel-by-panel basis.

Audatex's blend formula is:

- 50% of Audatex estimate refinish labor after overlap consideration, including two-stage or three-stage allowances, if applicable for the panel to be blended. This provides time to apply clear coat to the entire panel. Remember that all overlap is still considered when refinish labor is overridden.

### CCC (MOTOR), Guide to Estimating

of this type should be negotiated after an on-the-spot evaluation. Estimation of material cost should be based upon the full blended panel(s).

Blending may be necessary for adjacent body components to avoid noticeable color variation between newly applied paint and the existing paint of adjacent components or areas. The following formula may be considered in the event this type of procedure is required on an UNDAMAGED panel.

- Each blended adjacent panel or area: 50% of blend panel's base refinish time

#### Three-Stage Color Blend (Adjacent Panels)

##### SPECIAL NOTATION:

Calculations for blending are based upon the outer surface only and should not include additions for underside, inside or edges of the blend panel. There should be no overlap deductions between blend panel(s) refinish time. Blending may be necessary for adjacent body components to avoid noticeable color variation between newly applied paint and the existing paint of adjacent components or areas. The following formula may be considered in the event this type of procedure is required on an undamaged panel.

- Each blended adjacent panel or area: 70% of blend panel's base refinish time

### Mitchell, Collision Estimating Guide

area that borders the adjacent undamaged panel(s). Clear coat is then applied to the entire blended panel.

#### Blend Adjacent Panel(s)

With some colors, it may be necessary to blend color into adjacent panels to obtain an acceptable color match. A blend labor time formula is provided should it be necessary to perform this operation. The performance of this operation is NOT INCLUDED in the Mitchell refinish labor time.

The blend times are for **existing undamaged adjacent surfaces**. The blend labor time includes the application of clear coat to the entire panel on which color is blended. On some panels, the clear may be stopped at natural body lines or be blended into acceptable design configuration areas.

#### Single-Stage/Two-Stage Colors

Blend adjacent panel(s): Allow .5 **per** refinish hour (50%) for each panel(s)/refinish area(s) blended.

#### Three-Stage Colors

Blend adjacent panel(s): Allow .7 **per** refinish hour (70%) for each panel(s)/refinish area(s) blended.

Each IP performs its own independent studies to determine the refinish values expressed in its estimating products. The refinish labor in the three systems is not the same, and each company establishes unique values for individual parts.

Each company also identifies a unique list of operations that are considered “included” in its defined refinish values, and a list of operations that are “included” in the blend formula, based as a percentage of its defined refinish value. These are as follows.

Audatex	CCC (Motor)	Mitchell
<p><b>INCLUDED, Refinish:</b></p> <ul style="list-style-type: none"> <li>• Add flex additive** (when required, labor only)</li> <li>• Clear; Clean gun**</li> <li>• Gather materials, equipment and tools**</li> <li>• Initial tint, spray test panel, let down, compare to vehicle**</li> <li>• Mix clear coat**</li> <li>• Application of guide coat*</li> <li>• Block sand*</li> <li>• Dual action sand*</li> <li>• Apply and flash; color</li> <li>• Apply and flash clear coat</li> <li>• Basic corrosion protection provided by primer/sealer and paint application</li> <li>• Blow-dry clean panels</li> <li>• Booth operations</li> <li>• Clean booth</li> <li>• Clean equipment and materials</li> <li>• Clean gun; color</li> <li>• De-wax and degrease</li> <li>• Get paint</li> <li>• Get paint code</li> <li>• Hand/wet sand</li> <li>• Inspect job and paint</li> <li>• Mix and apply flash; additives</li> </ul>	<p><b>INCLUDED, Refinish:</b></p> <ul style="list-style-type: none"> <li>• Back tape opening (handle, lock cylinder, mirror)</li> <li>• Clean component (solvent wash)</li> <li>• Clean sprayer</li> <li>• Color coat application</li> <li>• Initial dry sand (as recommended by paint manufacturer)</li> <li>• Light buff, lacquer paint only</li> <li>• Load sprayer</li> <li>• Mask adjacent panels (three-foot perimeter)</li> <li>• Mask/close gap between adjacent panels up to foam tape (overspray)</li> <li>• Mask glass opening</li> <li>• Mask/protect grille radiator opening (overspray)</li> <li>• Mix paint (color with necessary solvents)</li> <li>• Primer-sealer coat application</li> <li>• Primer-sealer coat final clean</li> <li>• Primer-sealer coat final application</li> <li>• Remove masking</li> <li>• Retrieve accurate color information, including paint chip</li> </ul>	<p><b>INCLUDED, Refinish:</b></p> <ul style="list-style-type: none"> <li>• Solvent wash</li> <li>• Scuff panel and clean</li> <li>• Mask adjacent panels up to 36 inches or substitute with cover vehicle (bag) complete</li> <li>• Prime or seal as required</li> <li>• Final sanding and clean</li> <li>• Mix materials</li> <li>• Adjust spray equipment</li> <li>• Apply color</li> <li>• Clean equipment</li> </ul> <p><b>INCLUDED, Blend:</b></p> <ul style="list-style-type: none"> <li>• Detergent/solvent wash</li> <li>• Wet sand, scuff (ScotchBrite) or rubout (compound) panel and clean for preparation</li> <li>• Mask existing adjacent panels to 36"</li> <li>• Apply bonding material—if required</li> <li>• Apply color</li> <li>• Clean and tack surface</li> <li>• Apply clear material</li> </ul>

Audatex	CCC (Motor)	Mitchell
<ul style="list-style-type: none"> <li>• Mix color, spray test panel, compare to vehicle</li> <li>• Mix, apply, and flash primer (for adhesion and sealing)</li> <li>• Move car</li> <li>• Order paint</li> <li>• Prepare to sand</li> <li>• Prepare to spray</li> <li>• Protect exterior of vehicle from overspray utilizing all acceptable methods of bagging, masking, masking up to 36 inches surrounding the panel and masking of glass within a panel. This includes using backtaping and/or foam tape to close out the gap between panels. If backtaping and/or foam tape does not adequately prevent overspray from entering the jamb areas, any additional masking to protect the interior and jambs is a “not included” operation (labor only). See Not Included “masking” operation.</li> <li>• Review estimate/work order</li> <li>• Tack wipe</li> <li>• Tack wipe (between color and apply clear when required)</li> <li>• Water wash and clean panel with solvent</li> </ul> <p>**Included in setup *Welded panel operations</p> <p><b>INCLUDED, Blend:</b></p> <ul style="list-style-type: none"> <li>• Complete preparation of blended panel</li> <li>• Scuff or buff</li> </ul>	<p><b>INCLUDED, Blend:</b></p> <ul style="list-style-type: none"> <li>• Back tape opening (handle, lock cylinder, mirror)</li> <li>• Blend coat application</li> <li>• Bonding/adhesion coat application</li> <li>• Clean component (solvent/detergent wash)</li> <li>• Clean in preparation for material application</li> <li>• Clear coat application (full blend panel if required)</li> <li>• Initial wet sand or scuff (when required)</li> <li>• Mask adjacent panels (three-foot perimeter)</li> <li>• Mask/close gap between adjacent panels up to foam tape (overspray)</li> <li>• Mask glass opening</li> <li>• Mask/protect grille radiator opening (overspray)</li> <li>• Remove masking</li> <li>• Wet Bed application</li> </ul>	

Audatex	CCC (Motor)	Mitchell
<ul style="list-style-type: none"> <li>• Application of color to blended panel</li> <li>• Application of clear coat to entire blended panel in two-stage and three-stage systems</li> </ul>		

Even though each company has determined unique values for refinish labor, and unique lists of what it individually considers “included” in the refinish labor and the blend formula, each company has similarly

identified the blend operation on parts sprayed with two-stage refinish with the same 50% formula, as follows.

Audatex	CCC (MOTOR)	Mitchell
<p>50% of Audatex estimate refinish labor after overlap consideration, including two-stage or three-stage allowances, if applicable for the panel to be blended.</p>	<p>Each blended adjacent panel or area 50% of blend panel’s base refinish time</p>	<p>Blend adjacent panel(s): Allow .5 per refinish hour (50%) for each panel(s)/refinish area(s) blended.</p>

Collision repairers routinely contend that blending a panel takes more skill and near equal amounts of time to facilitate an invisible transition compared to the time it takes to apply a full refinish across an entire outer surface of a panel. Members have asked SCRS to address what they perceive as a deficiency in the formula.

SCRS organized the study in collaboration with the five primary North American coatings companies to specifically evaluate a comparative analysis between the labor involved in performing a full refinish and a blend.

SCRS has repeatedly communicated the concern to all three IPs, conveying that our members do not believe the 50% formula adequately represents the operations performed to blend a panel. SCRS has requested they revisit the blend formula or validate how it was performed. The studies that led to the blend formulas were performed decades ago and conducted in private, and the results are frequently described as “proprietary.”

The objective was not to perform a refinish time study, or to establish the refinish labor value, but solely to establish the time delta between the two refinish operations. Participating companies were routinely advised that the study was not an effort, or an appropriate venue, to compare product performance or showcase brand efficiency. Our objective was to collect credible data and take a clinical look at the steps involved from start to finish to perform a full exterior panel refinish, in comparison to a blend on the same panel, using modern and professional coatings systems in a manner that would qualify for a lifetime manufacturer warranty.

The requests to the IPs to reevaluate the blend formula have been previously dismissed. SCRS does not refute or validate the refinish values associated with the parts, but has challenged that blending does not take half the time of a full refinish, as the formula suggests.

Participating companies were asked to designate team members fluent in the technical aspects of their products, rather than those in a



marketing or industry relations role. Participating companies were routinely advised that the objective was not to document or challenge refinish times, but solely to study the delta between a refinish time and a blend time on the same panel. In other words, do blends take less time, more time, or the same amount of time to perform than a full refinish?

Companies in attendance included AkzoNobel Vehicle Refinishes, Axalta Coating Systems, BASF Automotive Refinish, DEKRA North America, Global Finishing Solutions, PPG Industries, Sherwin-Williams Automotive Finishes, and the Society of Collision Repair Specialists.

## Methodology

We sought a neutral location with enough spray areas to accommodate each refinish brand at the same facility in a condensed amount of time. After consideration of spray booth needs, scheduling and facility capabilities, we selected the Global Finishing Solution (GFS) Center for Excellence training facility in Osseo, WI.

The subject vehicle was selected based on data. We evaluated the top 25 appraised vehicle models in CY2021 according to CCC data. The most appraised car was the 2015 Nissan Altima, and the most appraised truck was the 2018 Ford F-150.

Nissan parts were unavailable for the study, so the project scope was narrowed to using the 2018 Ford F-150 as the test subject.

The panels were selected after evaluating data provided by Mitchell. The most commonly blended panel was the Rt Frt Door Outside (12.15%). The Rt Fender Outside (8.41%) was selected over the Lt Fender (8.55%) to align with the Door, and Hood Outside (7.88%) was the fifth most common blend following the right and left front door and right and left fender.

For the purposes of this study, refinish companies will not be referred to by name. They were organized at random and will be referred to in the study results as Company 1, Company 2, Company 3, Company 4 and Company 5. Our objective was to eliminate any potential competitive challenges that might arise by otherwise identifying them by name.

3M and Ford Motor Company were not present for the study, but did contribute materials, equipment and support. An invitation to attend the study was extended to each IP, but no IPs attended.

This data determined that the study would consist of using the following new, OEM parts for the 2018 Ford F-150:

(15)	RT Front Door Shell	FL3Z1620124B
(15)	RT Fender	JL3Z16005A
(15)	Hood	FL3Z16612A

Parts were donated by Ford, and the order was fulfilled by Osseo Ford Sales and Service Inc., in Osseo, WI.

The study used only new OEM parts and did not account for aftermarket parts. Refinish time premises specify that the published refinish times are for one color applied to new undamaged OEM replacement components, without exterior trim, interior trim or other attached components, and applied in one continuous process. For damaged panel(s), published refinish times may be applied after the damaged panel has been returned to a NEW UNDAMAGED condition. For this purpose, the study did not account for repair scenarios and chose to compare only full refinish on a new replacement part to the blend operation on the same parts.

The new parts were not all free of damage. Study participants did not repair or track any time to address imperfections in the e-coat or dents in the panel. Dents were refinished over, and any sanding of e-coat that would not have otherwise been necessary in the refinish of a new and undamaged part was not tracked for labor units.

The study group chose to include three paint variations as part of the test protocol: a solid, a silver metallic and a three-stage. The specific colors were selected based on their popularity in the 2018 Ford F-150 vehicle's color options. The test utilized:

YZ/Z1	Oxford White	32% usage
UX	Ingot Silver Metallic	16.6% usage
UG	White Platinum Tri-coat	11.9% usage

Refinish companies brought their own materials on-site. Most arrived with premixed color, though some companies had color banks on-site and elected to mix materials on-site during the study.

Each company was responsible for providing its own basecoat, clearcoat, hardeners and thinners, as well as abrasives, spray guns, respirators and coveralls.

Because there was not an existing vehicle to match, the study began after administrative tasks and necessary color validation steps would have occurred. The study assumed the refinish color had already been "tinted to a blendable match."

The testing facility had breathable air connections with SATA three-stage filtering and CO monitoring. The training center used as the study location features a body shop environment fully equipped with paint booths, prep areas, paint mix rooms, REVO Accelerated Curing Systems and other body shop equipment. GFS provided ancillary materials to prep panels and clean equipment during the study.

The test utilized three (3) spray areas simultaneously, which included a spray booth and a prep deck with two spray areas. Company 1, Company 2 and Company 3 occupied the spray areas Monday, August 22 to Tuesday, August 23, 2022. On Day 1, the companies conducted three full refinish operations, using each of the three defined color variations, on the exterior surface of the RT Frt Door, RT Fender and Hood.

The parts were fixed to part stands in the order they would appear on a vehicle. The door and fender were mounted vertically, and the hood was mounted horizontally on top of a part stand.

Each paint company was instructed to follow its own process for refinish and blend, as it would instruct and expect its customers to follow in accordance with its training protocol and documented procedures.

On Day 2, the companies conducted three blend scenarios, utilizing the same parts that were painted the day prior.

To replicate a typical scenario, the fender was treated as a new replacement part, and study participants were asked to replicate the steps they performed the day prior, as if the fender were a new OEM e-coated part. The door and hood were treated as adjacent panels that would require blend for color match.

Company 4 and Company 5 replicated the same process on Wednesday, August 24 to Thursday, August 25, 2022.

Each company provided its own technical representative and technical helpers to perform the panel preparation and refinish application. Four companies utilized the same painter for all six spray sessions. One company utilized two painters, but ensured the same painter who performed the initial full refinish also performed the blend. This maintained consistency in tracking for comparison.

Each refinish prep station was set up with:

- (3) Astro Pneumatic Tool 557003 500lb Capacity Portable Work Stands
- (1) Festool cart with orbital sander

Each refinish spray station was set up with:

- (1) 3M PN02514 P.A.R.T.S. shop stand
- (1) Innovative UltraRack stand
- (1) Innovative Fender stand

Each company was responsible for documenting its refinish process steps, monitoring its own process, and tracking the labor associated with each step.

The study participants elected to track operations using a stopwatch method for each activity, rather than an overall time lapse and time stamp. Each operation was tracked, regardless of amount of time, and participants elected whether to track their steps in minutes or seconds.

The study did not account for administrative or housecleaning tasks (e.g., review of the job, identifying color code, collecting handling parts and bringing them to the prep area, work site preparation or cleanup, moving the vehicle, etc.).

The study primarily focused on comparison of:

- Preparation (sanding, pre-cleaning, masking, etc.)
- Mix (basecoat, sealer, wet bed, clear, etc.)
- Application (sealer, color, clear, etc. )
- Flash (sealer, color, clear, etc.)

The study did not account for bake time, even though bake time does occupy productive equipment and energy costs during the bake cycle.

The study did utilize a standardized time for flash cycles (5 minutes between coats, and 15 minutes between processes). Because two of the spray areas were connected to the same booth cycle, we elected to standardize these times for all participants.

The study also standardized the time associated with “soap and water wash” on blend panels. Because there were not adequate water sources and drains inside, this operation was measured once for each panel, and applied to all instances where the “soap and water wash” was necessary.

The study also standardized the process in which we masked blend panels: back taping the glass and handle opening and applying a rolled tape edge on the exterior of the panels and then 36” masking paper around the perimeter.

DEKRA North America was on-site, monitoring each company’s activity and data collection process. The DEKRA representative routinely reminded study participants that we were not looking for them to perform the activities quickly, or slowly, but that they would be monitored for consistency between Day 1 and Day 2.

The objective of the third-party auditing on-site and in the data review process was to observe the test site, validate that the testing process adhered to a standardized protocol, and provide independent validation that the results reported reflected the data captured on-site.

While steps were measured in minutes or seconds, for reporting purposes all reporting will be conveyed as percentages. Blend time will be conveyed as a percentage of the full refinish labor captured. Individual operations will be reported as a percentage of the overall

operation. Raw data representing the individual time of each process will be considered proprietary and will not be included in the public reporting.

DEKRA has validated and signed off that the raw data aligns with the reported values.

At the conclusion of the study, the following items were donated to Chippewa Valley Technical College, through the Collision Repair Education Foundation (CREF):

- (4) 3M PN02514 P.A.R.T.S. shop stands  
Donated by 3M
- (6) Astro Pneumatic Tool 557003 Portable Work Stands  
Donated by SCRS
- (15) RT Front Door Shells FL3Z1620124B  
Donated by Ford
- (15) RT Fenders JL3Z16005A  
Donated by Ford
- (15) Hoods FL3Z16612A  
Donated by Ford

## Findings/Results

### Overall Results\*

<b>Solid</b> <b>Color: Oxford White</b> <b>Paint Code: Ford YZ / Z1</b>		Blend % - Company 1	Blend % - Company 2	Blend % - Company 3	Blend % - Company 4	Blend % - Company 5
	Hood	116.26%	111.87%	122.25%	126.60%	130.84%
	Door	115.44%	161.93%	142.55%	138.06%	133.99%
	Total	115.84%	135.59%	132.05%	132.18%	132.38%

<b>Metallic</b> <b>Color: Ingot Silver Metallic</b> <b>Paint Code: Ford UX</b>		Blend % - Company 1	Blend % - Company 2	Blend % - Company 3	Blend % - Company 4	Blend % - Company 5
	Hood	151.59%	135.82%	140.06%	123.05%	120.28%
	Door	175.53%	148.85%	149.19%	136.28%	151.70%
	Total	162.24%	141.99%	144.46%	129.37%	135.39%

<b>Tri-Stage</b> <b>Color: White Platinum Tri-coat</b> <b>Paint Code: Ford UG</b>		Blend % - Company 1	Blend % - Company 2	Blend % - Company 3	Blend % - Company 4	Blend % - Company 5
	Hood	119.28%	125.61%	118.93%	120.15%	117.74%
	Door	120.20%	132.67%	132.83%	130.38%	129.95%
	Total	119.73%	129.01%	125.60%	125.09%	123.59%

<b>All Colors</b>		Blend % - Company 1	Blend % - Company 2	Blend % - Company 3	Blend % - Company 4	Blend % - Company 5
		132.16%	134.56%	133.27%	128.41%	129.56%
	<b>Overall Average</b>					

\*See Appendix for individual company results.

## Conclusions + Implications

Audatex, CCC/MOTOR and Mitchell each identify a unique refinish time for individual parts within their estimating systems. Each IP also provides a formula to calculate time to blend adjacent panels as 50% of the blend panel's base refinish time, when using a two-stage refinish.

CCC/MOTOR and Mitchell both specify a calculation of 70% of the blend panel's base refinish time, when utilizing a three-stage color. Audatex adds 35% to each panel for three-stage, but utilizes the same 50% formula.

The conclusions of this study indicated that blending, on average, took 31.59% more time than full refinish, rather than 50% less.

The conclusions when blending the solid white were that the blend operation resulted in an average of 29.61% more time than full refinish value. This implies a 79.61% discrepancy in the study findings from the 50% reduction from full refinish value as identified by the estimating systems.

The conclusions when blending the metallic silver were that the blend operation resulted in an average of 42.69% more time than full refinish value. This implies a 92.69% discrepancy in the study findings from the 50% reduction from full refinish value as identified by the estimating systems.

The conclusions when blending the Tri-coat white were that the blend operation resulted in an average of 24.60% more time than full refinish value. This implies a 54.6% discrepancy in the study findings from the 30% reduction from full refinish value as identified by the estimating systems.

The findings would suggest the contention that blending a panel should not receive less time than a full refinish panel is well founded. Reduction of the refinish values reduces compensation for both labor and materials.

It is our conclusion, based on these results, that a formula representing a blend operation as 50% of the refinish value is an inaccurate representation of the comparison between the two tasks.

# Appendix

## \*Individual Company Results

### Company 1

Solid	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>		<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>		<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Oxford White	Verify Color			Verify Color			Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel	
	Mix Basecoat	<b>6.61%</b>		Mix Basecoat	<b>6.65%</b>		Mix Basecoat	<b>6.39%</b>
8/22/2022	Wash with soap & water	<b>2.27%</b>		Wash with soap & water	<b>1.71%</b>		Wash with soap & water	<b>2.02%</b>
	Clean w/ Waterborne cleaner	<b>2.27%</b>		Clean w/ Waterborne cleaner	<b>1.71%</b>		Clean w/ Waterborne cleaner	<b>2.02%</b>
	Clean w/ Solventborne cleaner	<b>2.07%</b>		Clean w/ Solventborne cleaner	<b>1.46%</b>		Clean w/ Solventborne cleaner	<b>1.38%</b>
	Sand new panel w/ P400 grade DA			Sand new panel w/ P400 grade DA			Sand new panel w/ P400 grade DA	
	Scuff new panel w/ red scotch brite			Scuff new panel w/ red scotch brite			Scuff new panel w/ red scotch brite	
	Sand blend panel w/ 1000 grade DA			Sand blend panel w/ 1000 grade DA			Sand blend panel w/ 1000 grade DA	
	Sand blend panel w/ grey scuff pad			Sand blend panel w/ grey scuff pad			Sand blend panel w/ grey scuff pad	
	Mask for Paint			Mask for Paint			Mask for Paint	
	Clean w/ Waterborne cleaner			Clean w/ Waterborne cleaner	<b>1.71%</b>		Clean w/ Waterborne cleaner	<b>2.60%</b>
	Clean w/ Solventborne cleaner			Clean w/ Solventborne cleaner	<b>1.46%</b>		Clean w/ Solventborne cleaner	<b>2.11%</b>
	Blow, tack & inspect panels	<b>0.86%</b>		Blow, tack & inspect panels	<b>0.62%</b>		Blow, tack & inspect panels	<b>0.77%</b>
	Mix Sealer	<b>6.61%</b>		Mix Sealer	<b>6.65%</b>		Mix Sealer	<b>6.39%</b>
	Apply Sealer	<b>1.32%</b>		Apply Sealer	<b>0.75%</b>		Apply Sealer	<b>1.30%</b>
	Flash Sealer	<b>19.82%</b>		Flash Sealer	<b>19.96%</b>		Flash Sealer	<b>19.17%</b>
	Clean spray gun	<b>6.61%</b>		Clean spray gun	<b>6.65%</b>		Clean spray gun	<b>6.39%</b>
	Mix Wet Bed if needed			Mix Wet Bed if needed			Mix Wet Bed if needed	
	Apply Wet Bed if needed			Apply Wet Bed if needed			Apply Wet Bed if needed	
	Flash Wet Bed			Flash Wet Bed			Flash Wet Bed	
	Apply 1st coat base	<b>1.34%</b>		Apply 1st coat base	<b>0.98%</b>		Apply 1st coat base	<b>1.15%</b>
	Flash basecoat	<b>6.61%</b>		Flash basecoat	<b>6.65%</b>		Flash basecoat	<b>6.39%</b>
	Apply 2nd coat of base	<b>1.48%</b>		Apply 2nd coat of base	<b>0.75%</b>		Apply 2nd coat of base	<b>1.30%</b>
	Flash basecoat	<b>19.82%</b>		Flash basecoat	<b>19.96%</b>		Flash basecoat	<b>19.17%</b>
	Apply Drop Coat			Apply Drop Coat			Apply Drop Coat	
	Flash basecoat			Flash basecoat			Flash basecoat	
	Apply 1st coat mid-coat			Apply 1st coat mid-coat			Apply 1st coat mid-coat	
	Flash Panel			Flash Panel			Flash Panel	
	Apply 2nd coat mid-coat			Apply 2nd coat mid-coat			Apply 2nd coat mid-coat	
	Flash Panel			Flash Panel			Flash Panel	
	Apply 3rd mid-coat if necessary			Apply 3rd mid-coat if necessary			Apply 3rd mid-coat if necessary	
	Flash Panel			Flash Panel			Flash Panel	
	Check for hiding/ Blend			Check for hiding/ Blend			Check for hiding/ Blend	
	Clean spray gun	<b>6.61%</b>		Clean spray gun	<b>6.65%</b>		Clean spray gun	<b>6.39%</b>
	Mix Clear Coat	<b>6.61%</b>		Mix Clear Coat	<b>6.65%</b>		Mix Clear Coat	<b>6.39%</b>
	Tack Panel	<b>0.40%</b>		Tack Panel	<b>0.27%</b>		Tack Panel	<b>0.28%</b>
	Apply 2 coats of Clear with possible flash in between coats	<b>2.09%</b>		Apply 2 coats of Clear with possible flash in between coats	<b>2.11%</b>		Apply 2 coats of Clear with possible flash in between coats	<b>2.02%</b>
	Clean spray gun	<b>6.61%</b>		Clean spray gun	<b>6.65%</b>		Clean spray gun	<b>6.39%</b>
	Remove Masking			Remove Masking			Remove Masking	
	Total Time	<b>100.00%</b>		Total Time	<b>100.00%</b>		Total Time	<b>100.00%</b>

Solid	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat	5.68%	Mix Basecoat	8.18%	Mix Basecoat	5.53%
8/22/2022	Wash with soap & water	3.69%	Wash with soap & water		Wash with soap & water	3.43%
	Clean w/ Waterborne cleaner	2.05%	Clean w/ Waterborne cleaner		Clean w/ Waterborne cleaner	1.53%
	Clean w/ Solventborne cleaner	1.99%	Clean w/ Solventborne cleaner		Clean w/ Solventborne cleaner	1.81%
	Sand primer area w/ P600 grade DA	0.93%	Sand new panel w/ P400 grade DA		Sand primer area w/ P600 grade DA	0.46%
	Scuff repair area/panel w/ grey scotch brite	4.55%	Scuff new panel w/ red scotch brite		Scuff repair area/panel w/ grey scotch brite	7.30%
	Sand blend area w/ 1000 grade DA	5.97%	Sand blend panel w/ 1000 grade DA		Sand blend area w/ 1000 grade DA	4.39%
	Sand blend area/panel w/ grey scuff pad DA	1.67%	Sand blend panel w/ grey scuff pad		Sand blend area/panel w/ grey scuff pad DA	0.81%
	Mask for Paint	7.14%	Mask for Paint		Mask for Paint	11.09%
	Clean w/ Waterborne cleaner	2.54%	Clean w/ Waterborne cleaner	1.85%	Clean w/ Waterborne cleaner	1.79%
	Clean w/ Solventborne cleaner	1.89%	Clean w/ Solventborne cleaner	1.58%	Clean w/ Solventborne cleaner	1.31%
	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.91%	Blow, tack & inspect panels	0.87%	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.87%
	Mix Sealer	5.68%	Mix Sealer	8.18%	Mix Sealer	5.53%
	Apply Sealer edge of blend area	0.45%	Apply Sealer	1.09%	Apply Sealer Edge of blend area	0.44%
	Flash Sealer	5.68%	Flash Sealer	8.18%	Flash Sealer	5.53%
	Clean spray gun	5.68%	Clean spray gun	8.18%	Clean spray gun	5.53%
	Mix Wet Bed if needed		Mix Wet Bed if needed		Tack Panel	0.24%
	Tack Panel	0.32%	Apply Wet Bed if needed		Apply Wet Bed if needed	
	Flash Wet Bed		Flash Wet Bed		Flash Wet Bed	
	Apply 1st coat base	0.19%	Apply 1st coat base	1.01%	Apply 1st coat base	0.15%
	Flash basecoat	5.68%	Flash basecoat	8.18%	Flash basecoat	5.53%
	Tack Panel	0.19%			Tack Panel	0.30%
	Apply 2nd coat of base	0.23%	Apply 2nd coat of base	1.09%	Apply 2nd coat of base	0.26%
	Flash basecoat	17.05%	Flash basecoat	24.54%	Flash basecoat	16.60%
	Apply Drop Coat		Apply Drop Coat		Apply Drop Coat	
	Flash basecoat		Flash basecoat		Flash basecoat	
	Apply 1st coat mid-coat		Apply 1st coat mid-coat		Apply 1st coat mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 2nd coat mid-coat		Apply 2nd coat mid-coat		Apply 2nd coat mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary	
	Flash Panel		Flash Panel		Flash Panel	
	Check for hiding/ Blend	0.25%	Check for hiding/ Blend	0.41%	Check for hiding/ Blend	0.20%
	Clean spray gun	5.68%	Clean spray gun	8.18%	Clean spray gun	5.53%
	Mix Clear Coat	5.68%	Mix Clear Coat	8.18%	Mix Clear Coat	5.53%
	Tack Panel	0.47%	Tack Panel	0.41%	Tack Panel	0.33%
	Apply 2 coats of Clear with possible flash in between coats	1.59%	Apply 2 coats of Clear with possible flash in between coats	1.72%	Apply 2 coats of Clear with possible flash in between coats	1.01%
	Clean spray gun	5.68%	Clean spray gun	8.18%	Clean spray gun	5.53%
	Remove Masking	0.45%	Remove Masking		Remove Masking	1.40%
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%



Metallic	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>		<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>		<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color			Verify Color			Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let Down Panel			Create Spray-out/ Let Down Panel			Create Spray-out/ Let Down Panel	
	Mix Basecoat	5.82%		Mix Basecoat	8.72%		Mix Basecoat	7.26%
8/22/2022	Wash with soap & water	1.49%		Wash with soap & water	2.24%		Wash with soap & water	2.30%
	Clean w/ Waterborne cleaner	2.00%		Clean w/ Waterborne cleaner	2.24%		Clean w/ Waterborne cleaner	2.30%
	Clean w/ Solventborne cleaner	1.82%		Clean w/ Solventborne cleaner	1.92%		Clean w/ Solventborne cleaner	1.57%
	Sand new panel w/ P400 grade DA			Sand new panel w/ P400 grade DA			Sand new panel w/ P400 grade DA	
	Scuff new panel w/ red scotch brite			Scuff new panel w/ red scotch brite			Scuff new panel w/ red scotch brite	
	Sand blend panel w/ 1000 grade DA			Sand blend panel w/ 1000 grade DA			Sand blend panel w/ 1000 grade DA	
	Sand blend panel w/ grey scuff pad			Sand blend panel w/ grey scuff pad			Sand blend panel w/ grey scuff pad	
	Mask for Paint			Mask for Paint			Mask for Paint	
	Clean w/ Waterborne cleaner			Clean w/ Waterborne cleaner			Clean w/ Waterborne cleaner	
	Clean w/ Solventborne cleaner			Clean w/ Solventborne cleaner			Clean w/ Solventborne cleaner	
	Blow, tack & inspect panels	0.78%		Blow, tack & inspect panels	0.78%		Blow, tack & inspect panels	1.16%
	Mix Sealer	5.82%		Mix Sealer	8.72%		Mix Sealer	7.26%
	Apply Sealer	0.99%		Apply Sealer	1.16%		Apply Sealer	1.21%
	Flash Sealer	17.46%		Flash Sealer	8.72%		Flash Sealer	21.77%
	Clean spray gun	5.82%		Clean spray gun	8.72%		Clean spray gun	7.26%
	Mix Wet Bed if needed			Mix Wet Bed if needed			Mix Wet Bed if needed	
	Apply Wet Bed if needed			Apply Wet Bed if needed			Apply Wet Bed if needed	
	Flash Wet Bed			Flash Wet Bed			Flash Wet Bed	
	Apply 1st coat base	1.09%		Apply 1st coat base	1.08%		Apply 1st coat base	1.02%
	Flash basecoat	5.82%		Flash basecoat	8.72%		Flash basecoat	7.26%
	Apply 2nd coat of base	1.42%		Apply 2nd coat of base	1.08%		Apply 2nd coat of base	0.89%
	Flash basecoat	5.82%		Flash basecoat	8.72%		Flash basecoat	7.26%
	Apply Drop Coat	0.78%		Apply Drop Coat	0.58%		Apply Drop Coat	0.63%
	Flash basecoat	5.82%		Flash basecoat	8.72%		Flash basecoat	7.26%
	Apply 1st coat mid-coat			Apply 1st coat mid-coat			Apply 1st coat mid-coat	
	Flash Panel	17.46%		Flash Panel			Flash Panel	
	Apply 2nd coat mid-coat			Apply 2nd coat mid-coat			Apply 2nd coat mid-coat	
	Flash Panel			Flash Panel			Flash Panel	
	Apply 3rd mid-coat if necessary			Apply 3rd mid-coat if necessary			Apply 3rd mid-coat if necessary	
	Flash Panel			Flash Panel			Flash Panel	
	Check for hiding/ Blend	0.19%		Check for hiding/ Blend	0.29%		Check for hiding/ Blend	0.24%
	Clean spray gun	5.82%		Clean spray gun	8.72%		Clean spray gun	7.26%
	Mix Clear Coat	5.82%		Mix Clear Coat	8.72%		Mix Clear Coat	7.26%
	Tack Panel			Tack Panel			Tack Panel	
	Apply 2 coats of Clear with possible flash in between coats	2.17%		Apply 2 coats of Clear with possible flash in between coats	1.42%		Apply 2 coats of Clear with possible flash in between coats	1.62%
	Clean spray gun	5.82%		Clean spray gun	8.72%		Clean spray gun	7.26%
	Remove Masking			Remove Masking			Remove Masking	
	Total Time	100.00%		Total Time	100.00%		Total Time	100.00%

Metallic	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat	3.84%	Mix Basecoat	5.12%	Mix Basecoat	4.13%
8/22/2022	Wash with soap & water	2.49%	Wash with soap & water	0.00%	Wash with soap & water	2.56%
	Clean w/ Waterborne cleaner	1.24%	Clean w/ Waterborne cleaner	1.42%	Clean w/ Waterborne cleaner	1.49%
	Clean w/ Solventborne cleaner	1.32%	Clean w/ Solventborne cleaner	1.13%	Clean w/ Solventborne cleaner	1.12%
	Sand primer area w/ P600 grade DA	0.81%	Sand new panel w/ P400 grade DA	0.00%	Sand primer area w/ P500 grade DA	0.39%
	Scuff repair area/panel w/ grey scotch brite DA	0.87%	Scuff new panel w/ red scotch brite	0.00%	Scuff repair area/panel w/ grey scotch brite	4.04%
	Sand blend area w/ 1000 grade DA	5.25%	Sand blend panel w/ 1000 grade DA	0.00%	Sand blend area w/ 1000 grade DA	3.80%
	Sand blend area/panel w/ grey scuff pad	2.51%	Sand blend panel w/ grey scuff pad	0.00%	Sand blend area/panel w/ grey scuff pad DA	0.54%
	Mask for Paint	4.08%	Mask for Paint	0.00%	Mask for Paint	7.78%
	Clean w/ Waterborne cleaner	1.75%	Clean w/ Waterborne cleaner	0.00%	Clean w/ Waterborne cleaner	1.36%
	Clean w/ Solventborne cleaner	1.23%	Clean w/ Solventborne cleaner	0.00%	Clean w/ Solventborne cleaner	0.94%
	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.55%	Blow, tack & inspect panels	0.80%	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.63%
	Mix Sealer	3.84%	Mix Sealer	5.12%	Mix Sealer	4.13%
	Apply Sealer <b>Edge of blend area</b>	0.20%	Apply Sealer	0.56%	Apply Sealer <b>Edge of blend area</b>	0.25%
	Flash Sealer	11.51%	Flash Sealer	15.35%	Flash Sealer	12.40%
	Clean spray gun	3.84%	Clean spray gun	5.12%	Clean spray gun	4.13%
	Mix Wet Bed if needed	3.84%	Mix Wet Bed if needed	0.00%	Mix Wet Bed if needed	4.13%
	Apply Wet Bed if needed	0.38%	Apply Wet Bed if needed	0.00%	Apply Wet Bed if needed	0.40%
	Flash Wet Bed	0.90%	Flash Wet Bed	0.00%	Flash Wet Bed	0.96%
	Apply 1st coat base	0.10%	Apply 1st coat base	0.49%	Apply 1st coat base	0.18%
	Flash basecoat	3.84%	Flash basecoat	5.12%	Flash basecoat	4.13%
	Tack Panel	0.20%	Tack Panel	0.15%	Tack Panel	0.18%
	Apply 2nd coat of base	0.10%	Apply 2nd coat of base	0.67%	Apply 2nd coat of base	0.18%
	Flash basecoat	3.84%	Flash basecoat	5.12%	Flash basecoat	4.13%
	Apply Drop Coat		Apply Drop Coat	0.00%	Apply Drop Coat	
	Flash basecoat	11.51%	Flash basecoat	15.35%	Flash basecoat	4.13%
	Tack Panel	0.27%	Tack Panel	0.22%	Tack Panel	0.11%
	Apply 1st coat mid-coat	0.13%	Apply 1st coat mid-coat	0.31%	Apply 1st coat mid-coat	0.14%
	Flash Panel	3.84%	Flash Panel	5.12%	Flash Panel	4.13%
	Tack Panel	0.24%	Tack Panel	0.22%	Tack Panel	0.14%
	Apply 2nd coat mid-coat	0.20%	Apply 2nd coat mid-coat	0.39%	Apply 2nd coat mid-coat	0.36%
	Flash Panel	11.51%	Flash Panel	15.35%	Flash Panel	12.40%
	Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary	0.00%	Apply 3rd mid-coat if necessary	
	Flash Panel		Flash Panel	0.00%	Flash Panel	
	Check for hiding/ Blend	0.17%	Check for hiding/ Blend	0.20%	Check for hiding/ Blend	0.18%
	Clean spray gun	3.84%	Clean spray gun	5.12%	Clean spray gun	4.13%
	Mix Clear Coat	3.84%	Mix Clear Coat	5.12%	Mix Clear Coat	4.13%
	Tack Panel	0.28%	Tack Panel	0.29%	Tack Panel	0.23%
	Apply 2 coats of Clear with possible flash in between coats	1.57%	Apply 2 coats of Clear with possible flash in between coats	1.06%	Apply 2 coats of Clear with possible flash in between coats	0.76%
	Clean spray gun	3.84%	Clean spray gun	5.12%	Clean spray gun	4.13%
	Remove Masking	0.22%	Remove Masking	0.00%	Remove Masking	1.02%
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Tri-Stage	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	5.69%	Mix Basecoat	6.00%	Mix Basecoat	5.88%
	Wash with soap & water	2.11%	Wash with soap & water	1.62%	Wash with soap & water	1.82%
	Clean w/ Waterborne cleaner	2.11%	Clean w/ Waterborne cleaner	1.62%	Clean w/ Waterborne cleaner	1.82%
	Clean w/ Solventborne cleaner	1.97%	Clean w/ Solventborne cleaner	1.32%	Clean w/ Solventborne cleaner	1.29%
	Sand new panel w/ P400 grade DA		Sand new panel w/ P400 grade DA		Sand new panel w/ P400 grade DA	
	Scuff new panel w/ red scotch brite		Scuff new panel w/ red scotch brite		Scuff new panel w/ red scotch brite	
	Sand blend panel w/ 1000 grade DA		Sand blend panel w/ 1000 grade DA		Sand blend panel w/ 1000 grade DA	
	Sand blend panel w/ grey scuff pad		Sand blend panel w/ grey scuff pad		Sand blend panel w/ grey scuff pad	
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne cleaner		Clean w/ Waterborne cleaner		Clean w/ Waterborne cleaner	
	Clean w/ Solventborne cleaner		Clean w/ Solventborne cleaner		Clean w/ Solventborne cleaner	
	Blow, tack & inspect panels	0.68%	Blow, tack & inspect panels	0.68%	Blow, tack & inspect panels	0.92%
	Mix Sealer	5.69%	Mix Sealer	6.00%	Mix Sealer	5.88%
	Apply Sealer	0.87%	Apply Sealer	0.64%	Apply Sealer	0.94%
	Flash Sealer	17.08%	Flash Sealer	18.01%	Flash Sealer	17.65%
	Clean spray gun	5.69%	Clean spray gun	6.00%	Clean spray gun	5.88%
	Mix Wet Bed if needed		Mix Wet Bed if needed		Mix Wet Bed if needed	
	Apply Wet Bed if needed		Apply Wet Bed if needed		Apply Wet Bed if needed	
	Flash Wet Bed		Flash Wet Bed		Flash Wet Bed	
	Apply 1st coat base	1.25%	Apply 1st coat base	0.84%	Apply 1st coat base	0.98%
	Flash basecoat	5.69%	Flash basecoat	6.00%	Flash basecoat	5.88%
	Apply 2nd coat of base	0.80%	Apply 2nd coat of base	0.80%	Apply 2nd coat of base	0.90%
	Flash basecoat	5.69%	Flash basecoat	6.00%	Flash basecoat	5.88%
	Apply Drop Coat		Apply Drop Coat		Apply Drop Coat	
	Flash basecoat		Flash basecoat		Flash basecoat	
	Apply 1st coat mid-coat	1.14%	Apply 1st coat mid-coat	0.50%	Apply 1st coat mid-coat	0.69%
	Flash Panel	5.69%	Flash Panel	6.00%	Flash Panel	5.88%
	Apply 2nd coat mid-coat	1.01%	Apply 2nd coat mid-coat	0.52%	Apply 2nd coat mid-coat	0.67%
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary	
	Flash Panel	17.08%	Flash Panel	18.01%	Flash Panel	17.65%
	Check for hiding/ Blend	0.30%	Check for hiding/ Blend	0.20%	Check for hiding/ Blend	0.20%
	Clean spray gun	5.69%	Clean spray gun	6.00%	Clean spray gun	5.88%
	Mix Clear Coat	5.69%	Mix Clear Coat	6.00%	Mix Clear Coat	5.88%
	Tack Panel		Tack Panel		Tack Panel	
	Apply 2 coats of Clear with possible flash in between coats	2.35%	Apply 2 coats of Clear with possible flash in between coats	1.22%	Apply 2 coats of Clear with possible flash in between coats	1.51%
	Clean spray gun	5.69%	Clean spray gun	6.00%	Clean spray gun	5.88%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Tri-Stage	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat	4.77%	Mix Basecoat	6.90%	Mix Basecoat	4.89%
8/22/2022	Wash with soap & water	3.10%	Wash with soap & water		Wash with soap & water	3.03%
	Clean w/ Waterborne cleaner	1.59%	Clean w/ Waterborne cleaner		Clean w/ Waterborne cleaner	1.65%
	Clean w/ Solventborne cleaner	1.32%	Clean w/ Solventborne cleaner		Clean w/ Solventborne cleaner	1.47%
	Sand primer area w/ P600 grade DA	0.92%	Sand new panel w/ P400 grade DA		Sand primer area w/ P600 grade DA	0.24%
	Scuff repair area/panel w/ grey scotch brite	3.53%	Scuff new panel w/ red scotch brite		Scuff repair area/panel w/ grey scotch brite	4.18%
	Sand blend area w/ 1000 grade DA	5.74%	Sand blend panel w/ 1000 grade DA		Sand blend area w/ 1000 grade DA	4.14%
	Sand blend area/panel w/ grey scuff pad DA	1.27%	Sand blend panel w/ grey scuff pad		Sand blend area/panel w/ grey scuff pad DA	0.59%
	Mask for Paint	5.81%	Mask for Paint		Mask for Paint	7.57%
	Clean w/ Waterborne cleaner	1.91%	Clean w/ Waterborne cleaner	1.43%	Clean w/ Waterborne cleaner	1.55%
	Clean w/ Solventborne cleaner	1.45%	Clean w/ Solventborne cleaner	1.54%	Clean w/ Solventborne cleaner	1.11%
	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.80%	Blow, tack & inspect panels	0.83%	Blow, tack & inspect panels (check for smudges or any contamination of blend area)	0.65%
	Mix Sealer	4.77%	Mix Sealer	6.90%	Mix Sealer	4.89%
	Apply Sealer <b>Edge of blend area</b>	0.25%	Apply Sealer	0.78%	Apply Sealer <b>Edge of blend area</b>	0.21%
	Flash Sealer	4.77%	Flash Sealer	6.90%	Flash Sealer	4.89%
	Clean spray gun	4.77%	Clean spray gun	6.90%	Clean spray gun	4.89%
	Tack Panel	0.19%	Tack Panel	0.41%	Tack Panel	0.15%
	Mix Wet Bed if needed	4.77%	Mix Wet Bed if needed		Mix Wet Bed if needed	4.89%
	Apply Wet Bed if needed	0.45%	Apply Wet Bed if needed		Apply Wet Bed if needed	0.24%
	Flash Wet Bed	0.56%	Flash Wet Bed		Flash Wet Bed	0.59%
	Apply 1st coat base	0.13%	Apply 1st coat base	0.83%	Apply 1st coat base	0.16%
	Flash basecoat	4.77%	Flash basecoat	6.90%	Flash basecoat	4.89%
	Tack Panel	0.46%	Tack Panel	0.21%	Tack Panel	0.55%
	Apply 2nd coat of base	0.13%	Apply 2nd coat of base	0.69%	Apply 2nd coat of base	0.13%
	Flash basecoat	4.77%	Flash basecoat	6.90%	Flash basecoat	4.89%
	<b>Tack Panel</b>	<b>0.27%</b>	<b>Tack Panel</b>	<b>0.18%</b>	<b>Tack Panel</b>	<b>0.21%</b>
	Flash basecoat		Flash basecoat		Flash basecoat	
	Apply 1st coat mid-coat	0.27%	Apply 1st coat mid-coat	0.90%	Apply 1st coat mid-coat	0.21%
	Flash Panel	4.77%	Flash Panel	6.90%	Flash Panel	4.89%
	<b>Tack Panel</b>	<b>0.27%</b>	<b>Tack Panel</b>	<b>0.18%</b>	<b>Tack Panel</b>	<b>0.20%</b>
	Apply 2nd coat mid-coat	0.13%	Apply 2nd coat mid-coat	0.34%	Apply 2nd coat mid-coat	0.13%
	Flash Panel	14.32%	Flash Panel	20.70%	Flash Panel	14.68%
	Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary		Apply 3rd mid-coat if necessary	
	Flash Panel		Flash Panel		Flash Panel	
	Check for hiding/ Blend	0.22%	Check for hiding/ Blend	0.34%	Check for hiding/ Blend	0.21%
	Clean spray gun	4.77%	Clean spray gun	6.90%	Clean spray gun	4.89%
	Mix Clear Coat	4.77%	Mix Clear Coat	6.90%	Mix Clear Coat	4.89%
	Tack Panel	0.27%	Tack Panel	0.21%	Tack Panel	0.21%
	Apply 2 coats of Clear with possible flash in between coats	1.86%	Apply 2 coats of Clear with possible flash in between coats	1.43%	Apply 2 coats of Clear with possible flash in between coats	0.86%
	Clean spray gun	4.77%	Clean spray gun	6.90%	Clean spray gun	4.89%
	Remove Masking	0.27%	Remove Masking		Remove Masking	1.21%
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

## Company 2

Solid	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ wax & grease	6.90%	Clean w/ wax & grease	7.29%	Clean w/ wax & grease	7.55%
	Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal	
	Clean w/ Waterborne pre-cleaner	3.62%	Clean w/ Waterborne pre-cleaner	1.88%	Clean w/ Waterborne pre-cleaner	1.79%
	Blow and tack panels	1.94%	Blow and tack panels	1.00%	Blow and tack panels	1.64%
	Mix and reduce Sealer	5.82%	Mix and reduce Sealer	6.79%	Mix and reduce Sealer	6.46%
	Apply Sealer	3.35%	Apply Sealer	2.26%	Apply Sealer	2.85%
	Clean spray gun	7.59%	Clean spray gun	8.86%	Clean spray gun	8.43%
	Reduce Basecoat	4.67%	Reduce Basecoat	5.45%	Reduce Basecoat	5.18%
	Apply 1st coat of base	2.96%	Apply 1st coat of base	1.57%	Apply 1st coat of base	2.37%
	Apply 2nd coat of base (Control coat)	2.89%	Apply 2nd coat of base (Control coat)	1.46%	Apply 2nd coat of base (Control coat)	2.01%
	Flash Panel	29.59%	Flash Panel	34.52%	0:15	32.85%
	Check for perceived hiding/ Blend	0.56%	Check for perceived hiding/ Blend	0.50%	Check for perceived hiding/ Blend	0.51%
	Clean spray gun	7.43%	Clean spray gun	8.67%	Clean spray gun	8.25%
	Mix Clear Coat	6.25%	Mix Clear Coat	7.29%	Mix Clear Coat	6.93%
	Tack Panel	1.25%	Tack Panel	0.61%	Tack Panel	1.09%
	Apply 1.5 coats of Clear	7.99%	Apply 1.5 coats of Clear	3.45%	Apply 1.5 coats of Clear	4.09%
	Clean spray gun	7.20%	Clean spray gun	8.40%	Clean spray gun	7.99%
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Solid	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	5.73%	Clean w/ wax & grease	3.61%	Clean w/ soap & water	3.99%
	Clean w/ wax & grease	2.23%	Sand w/ 600 grade Defect removal		Clean w/ wax & grease	1.78%
	Sand blend panel w/ 1000 grade scuff pad	3.53%	Clean w/ Waterborne pre-cleaner	2.90%	Sand blend panel w/ 1000 grade scuff pad	3.11%
	Sand blend panel w/ 1000 grade DA	13.22%	Blow and tack panels	1.09%	Sand blend panel w/ 1000 grade DA	5.36%
	Mask for Paint	7.70%	Mix and reduce Sealer	4.80%	Mask for Paint	21.25%
	Clean w/ Waterborne pre-cleaner	3.67%	Apply Sealer	1.71%	Clean w/ Waterborne pre-cleaner	2.46%
	Blow and tack panels	1.44%	Clean spray gun	8.13%	Blow and tack panels	16.23%
	Mix / Reduce Wet Bed	4.73%	Reduce Basecoat	5.85%	Mix / Reduce Wet Bed	3.63%
	Reduce Basecoat	3.61%	Apply 1st coat of base	2.14%	Reduce Basecoat	2.77%
	Apply Wet Bed	1.76%	Apply 2nd coat of base (Control coat)	1.76%	Apply Wet Bed	0.79%
	Apply 1st coat of base	0.68%	Flash Panel	42.78%	Apply 1st coat of base	0.29%
	Apply 2nd coat of base (Control coat)	0.50%	Check for perceived hiding/ Blend	0.67%	Apply 2nd coat of base (Control coat)	0.65%
	Flash Panel	26.45%	Clean spray gun	7.51%	Flash Panel	20.28%
	Check for perceived hiding/ Blend	0.38%	Mix Clear Coat	9.89%	Check for perceived hiding/ Blend	0.27%
	Clean Blender spray gun	3.94%	Tack Panel	0.43%	Clean Blender spray gun	3.02%
	Clean spray gun	4.64%	Apply 1.5 coats of Clear	3.90%	Clean spray gun	3.56%
	Mix Clear Coat	6.11%	Clean spray gun	2.85%	Mix Clear Coat	4.69%
	Tack Panel	0.73%	Total Time	100.00%	Tack Panel	0.47%
	Apply 1.5 coats of Clear	6.41%			Apply 1.5 coats of Clear	2.21%
	Clean spray gun	1.76%			Clean spray gun	1.35%
	Remove Masking	0.76%			Remove Masking	1.83%
	Total Time	100.00%			Total Time	100.00%

Metallic	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ wax & grease	4.94%	Clean w/ wax & grease	4.43%	Clean w/ wax & grease	4.34%
	Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal	
	Clean w/ Waterborne pre-cleaner	3.22%	Clean w/ Waterborne pre-cleaner	1.90%	Clean w/ Waterborne pre-cleaner	2.59%
	Blow and tack panels	1.76%	Blow and tack panels	1.08%	Blow and tack panels	1.39%
	Mix and reduce Sealer	4.33%	Mix and reduce Sealer	5.01%	Mix and reduce Sealer	4.81%
	Apply Sealer	3.44%	Apply Sealer	2.36%	Apply Sealer	2.98%
	Clean spray gun	13.50%	Clean spray gun	15.60%	Clean spray gun	15.00%
	Reduce Basecoat	4.84%	Reduce Basecoat	5.59%	Reduce Basecoat	5.37%
	Apply 1st coat of base	3.19%	Apply 1st coat of base	1.95%	Apply 1st coat of base	2.23%
	Apply 2nd coat of base (Control coat)	3.19%	Apply 2nd coat of base (Control coat)	2.07%	Apply 2nd coat of base (Control coat)	2.31%
	Flash Panel	32.23%	Flash Panel	37.25%	Flash Panel	35.80%
	Check for perceived hiding/ Blend	0.64%	Check for perceived hiding/ Blend	0.29%	Check for perceived hiding/ Blend	0.44%
	Clean spray gun	7.52%	Clean spray gun	8.69%	Clean spray gun	8.35%
	Mix Clear Coat	5.05%	Mix Clear Coat	5.84%	Mix Clear Coat	5.61%
	Tack Panel	0.90%	Tack Panel	0.50%	Tack Panel	0.68%
	Apply 1.5 coats of Clear	7.27%	Apply 1.5 coats of Clear	2.86%	Apply 1.5 coats of Clear	3.70%
	Clean spray gun	3.98%	Clean spray gun	4.59%	Clean spray gun	4.42%
	Total Time	100.00%	Total Time	100.00%	Total Time	100%

Metallic						
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	5.14%	Clean w/ wax & grease	2.65%	Clean w/ soap & water	4.73%
	Clean w/ wax & grease	4.67%	Sand w/ 600 grade Defect removal		Clean w/ wax & grease	3.02%
	Sand blend panel w/ 1000 grade scuff pad	4.72%	Clean w/ Waterborne pre-cleaner	2.13%	Sand blend panel w/ 1000 grade scuff pad	4.81%
	Sand blend panel w/ 1000 grade DA	15.37%	Blow and tack panels	1.43%	Sand blend panel w/ 1000 grade DA	9.46%
	Mask for Paint	6.83%	Mix and reduce Sealer	5.57%	Mask for Paint	14.35%
	Clean w/ Waterborne pre-cleaner	4.69%	Apply Sealer	1.87%	Clean w/ Waterborne pre-cleaner	3.71%
	Blow and tack panels	1.27%	Clean spray gun	8.39%	Blow and tack panels	0.94%
	Mix / Reduce Wet Bed	4.25%	Reduce Basecoat	9.83%	Mix / Reduce Wet Bed	4.30%
	Reduce Basecoat	5.96%	Apply 1st coat of base	2.17%	Reduce Basecoat	6.04%
	Apply Wet Bed	0.00%	Apply 2nd coat of base (Control coat)	1.30%	Apply Wet Bed	0.94%
	Apply 1st coat of base	0.32%	Flash Panel	39.13%	Apply 1st coat of base	0.56%
	Apply 2nd coat of base (Control coat)	0.76%	Check for perceived hiding/ Blend	0.35%	Apply 2nd coat of base (Control coat)	0.91%
	Flash Panel	23.73%	Clean spray gun	6.30%	Flash Panel	24.05%
	Check for perceived hiding/ Blend	0.32%	Mix Clear Coat	8.78%	Check for perceived hiding/ Blend	0.37%
	Clean Blender spray gun	3.53%	Tack Panel	0.70%	Clean Blender spray gun	3.58%
	Clean spray gun	3.82%	Apply 1.5 coats of Clear	3.30%	Clean spray gun	3.87%
	Mix Clear Coat	5.33%	Clean spray gun	6.09%	Mix Clear Coat	5.40%
	Tack Panel	0.87%	Total Time	100.00%	Tack Panel	1.39%
	Apply 1.5 coats of Clear	4.22%			Apply 1.5 coats of Clear	2.49%
	Clean spray gun	3.69%			Clean spray gun	3.74%
	Remove Masking	0.50%			Remove Masking	1.34%
	Total Time	100.00%			Total Time	100.00%

Tri-Stage	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ wax & grease	1.65%	Clean w/ wax & grease	0.81%	Clean w/ wax & grease	2.49%
	Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal		Sand w/ 600 grade Defect removal	
	Clean w/ Waterborne pre-cleaner	2.38%	Clean w/ Waterborne pre-cleaner	1.24%	Clean w/ Waterborne pre-cleaner	1.73%
	Blow and tack panels	1.08%	Blow and tack panels	0.76%	Blow and tack panels	1.02%
	Mix and reduce Sealer	1.69%	Mix and reduce Sealer	1.95%	Mix and reduce Sealer	1.83%
	Apply Sealer	2.54%	Apply Sealer	1.57%	Apply Sealer	1.73%
	Clean spray gun	5.13%	Clean spray gun	5.89%	Clean spray gun	5.53%
	Reduce Basecoat	5.69%	Reduce Basecoat	6.54%	Reduce Basecoat	6.14%
	Apply 1st coat of base	2.82%	Apply 1st coat of base	1.22%	Apply 1st coat of base	1.60%
	Apply 2nd coat of base (Control coat)	2.07%	Apply 2nd coat of base (Control coat)	1.08%	Apply 2nd coat of base (Control coat)	1.50%
	Clean spray gun	5.32%	Clean spray gun	6.11%	Clean spray gun	5.74%
	Flash Panel	21.17%	Flash Panel	24.32%	Flash Panel	22.85%
	Reduce Basecoat	3.39%	Reduce Basecoat	3.89%	Reduce Basecoat	3.66%
	Apply 1st coat of mid-coat	3.10%	Apply 1st coat of mid-coat	1.27%	Apply 1st coat of mid-coat	1.90%
	Apply 2nd coat of mid-coat (Control coat)	2.00%	Apply 2nd coat of mid-coat (Control coat)	0.89%	Apply 2nd coat of mid-coat (Control coat)	1.24%
	Flash Panel	21.17%	Flash Panel	24.32%	Flash Panel	22.85%
	Check for perceived hiding/ Blend	0.47%	Check for perceived hiding/ Blend	0.32%	Check for perceived hiding/ Blend	0.28%
	Clean spray gun	4.56%	Clean spray gun	5.24%	Clean spray gun	4.93%
	Mix Clear Coat	4.49%	Mix Clear Coat	5.16%	Mix Clear Coat	4.85%
	Tack Panel	0.82%	Tack Panel	0.54%	Tack Panel	0.51%
	Apply 1.5 coats of Clear	4.37%	Apply 1.5 coats of Clear	2.16%	Apply 1.5 coats of Clear	3.22%
	Clean spray gun	4.09%	Clean spray gun	4.70%	Clean spray gun	4.42%
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Tri-Stage	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel		Create Spray-out/ Let Down Panel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	3.65%	Clean w/ wax & grease	1.82%	Clean w/ soap & water	3.39%
	Clean w/ wax & grease	2.43%	Sand w/ 600 grade Defect removal		Clean w/ wax & grease	1.45%
	Sand blend panel w/ 1000 grade scuff pad	3.50%	Clean w/ Waterborne pre-cleaner	1.82%	Sand blend panel w/ 1000 grade scuff pad	4.44%
	Sand blend panel w/ 1000 grade DA	11.87%	Blow and tack panels	0.98%	Sand blend panel w/ 1000 grade DA	6.98%
	Mask for Paint	5.06%	Mix and reduce Sealer	3.16%	Mask for Paint	10.14%
	Clean w/ Waterborne pre-cleaner	2.88%	Apply Sealer	1.09%	Clean w/ Waterborne pre-cleaner	1.55%
	Blow and tack panels	0.92%	Clean spray gun	7.21%	Blow and tack panels	0.80%
	Mix / Reduce Wet Bed	3.01%	Reduce Basecoat	6.72%	Mix / Reduce Wet Bed	3.08%
	Reduce Basecoat	4.62%	Apply 1st coat of base	1.28%	Reduce Basecoat	4.73%
	Dilute Basecoat	0.81%	Apply 2nd coat of base (Control coat)	0.90%	Dilute Basecoat	0.82%
	Apply 1st coat of base (dilution mix)	0.56%	Clean spray gun	6.86%	Apply 1st coat of base	0.71%
	Apply 2nd coat of base	0.13%	Flash Panel	24.48%	Apply 2nd coat of base (Control coat)	0.61%
	Clean spray gun	4.72%	Reduce Basecoat	4.82%	Clean spray gun	4.82%
	Flash Panel	16.85%	Apply 1st coat of mid-coat	1.20%	Flash Panel	17.22%
	Reduce Basecoat	3.31%	Apply 2nd coat of mid-coat (Control coat)	0.79%	Reduce Basecoat	3.39%
	Apply Wet Bed	0.90%	Flash Panel	19.59%	Apply Wet Bed	0.46%
	Apply 1st coat of mid-coat	0.73%	Check for perceived hiding/ Blend	0.22%	Apply 1st coat of mid-coat	0.88%
	Apply 2nd coat of mid-coat (Control coat)	0.34%	Clean spray gun	3.89%	Apply 2nd coat of mid-coat (Control coat)	0.29%
	Flash Panel	16.85%	Mix Clear Coat	5.55%	Flash Panel	17.22%
	Check for perceived hiding/ Blend	0.26%	Tack Panel	0.24%	Check for perceived hiding/ Blend	0.19%
	Clean Blender spray gun	2.68%	Apply 1.5 coats of Clear	2.56%	Clean Blender spray gun	2.74%
	Clean spray gun	2.68%	Clean spray gun	4.84%	Clean spray gun	2.74%
	Mix Clear Coat	3.82%	Total Time	100.00%	Mix Clear Coat	3.90%
	Tack Panel	0.51%			Tack Panel	0.34%
	Apply 1.5 coats of Clear	3.11%			Apply 1.5 coats of Clear	2.24%
	Clean spray gun	3.33%			Clean spray gun	3.41%
	Remove Masking	0.47%			Remove Masking	1.45%
	Total Time	100.00%			Total Time	100.00%

### Company 3

Solid	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	5.36%	Mix Basecoat	6.17%	Mix Basecoat	5.75%
	Clean w/ soap & water	1.15%	Clean w/ soap & water	0.96%	Clean w/ soap & water	1.62%
	Clean w/ wax & grease	1.99%	Clean w/ wax & grease	1.83%	Clean w/ wax & grease	2.30%
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	2.54%	Clean w/ Waterborne pre-cleaner	1.92%	Clean w/ Waterborne pre-cleaner	2.09%
	Blow and tack panels	1.59%	Blow and tack panels	1.19%	Blow and tack panels	1.32%
	Mix and reduce Sealer	11.92%	Mix and reduce Sealer	13.71%	Mix and reduce Sealer	12.78%
	Apply Sealer	3.42%	Apply Sealer	1.65%	Apply Sealer	2.56%
	Clean spray gun	3.73%	Clean spray gun	4.30%	Clean spray gun	4.00%
	Apply base	9.42%	Apply base	4.71%	Apply base	6.90%
	Flash Panel	35.76%	Flash Panel	41.13%	Flash Panel	38.33%
	Check for perceived hiding/ Blend	0.56%	Check for perceived hiding/ Blend	0.78%	Check for perceived hiding/ Blend	0.72%
	Clean spray gun	7.31%	Clean spray gun	8.41%	Clean spray gun	7.84%
	Mix Clear Coat	6.63%	Mix Clear Coat	7.63%	Mix Clear Coat	7.11%
	Tack Panel	0.56%	Tack Panel	0.27%	Tack Panel	0.55%
	Apply 2 coats of Clear	5.16%	Apply 2 coats of Clear	2.01%	Apply 2 coats of Clear	3.02%
	Clean spray gun	2.90%	Clean spray gun	3.34%	Clean spray gun	3.11%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100%	Total Time	100.00%	Total Time	100%

Solid	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	3.15%	Mix Basecoat	5.05%	Mix Basecoat	2.90%
	Clean w/ soap & water	6.34%	Clean w/ soap & water		Clean w/ soap & water	5.29%
	Clean w/ wax & grease	1.56%	Clean w/ wax & grease	1.56%	Clean w/ wax & grease	1.37%
	Sand blend panel w/ 1000 grade DA	11.99%	Mask for Paint		Sand blend panel w/ 1000 grade DA	7.50%
	Sand blend panelw/ 1000 grade scuff pad	3.74%	Clean w/ Waterborne pre-cleaner	1.56%	Sand blend panelw/ 1000 grade scuff pad	8.10%
	Mask for Paint	17.32%	Blow and tack panels	0.83%	Mask for Paint	24.80%
	Clean w/ Waterborne pre-cleaner	3.57%	Mix and reduce Sealer	11.09%	Clean w/ Waterborne pre-cleaner	2.48%
	Blow and tack panels	1.10%	Apply Sealer	1.82%	Blow and tack panels	0.90%
	Mix and reduce Sealer		Clean spray gun	2.45%	Mix and reduce Sealer	
	Mix Blender	0.91%	Apply base	3.90%	Mix Blender	0.84%
	Clean spray gun		Flash Panel	46.85%	Clean spray gun	
	Apply Blender	0.68%	Check for perceived hiding/ Blend	0.73%	Apply Blender	0.75%
	Apply base	0.75%	Clean spray gun	8.69%	Apply base	0.87%
	Flash Panel	29.25%	Mix Clear Coat	5.88%	Flash Panel	26.89%
	Check for perceived hiding/ Blend	0.32%	Tack Panel	0.31%	Check for perceived hiding/ Blend	0.09%
	Clean spray gun	5.43%	Apply 2 coats of Clear	3.54%	Clean spray gun	4.99%
	Mix Clear Coat	3.67%	Clean spray gun	5.73%	Mix Clear Coat	3.38%
	Tack Panel	0.36%	Remove Masking		Tack Panel	0.24%
	Apply 2 coats of Clear	5.52%	Total Time	100.00%	Apply 2 coats of Clear	3.56%
	Clean spray gun	3.57%			Clean spray gun	3.29%
	Remove Masking	0.75%			Remove Masking	1.79%
	Total Time	100.00%			Total Time	100.00%



Metallic	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	6.08%	Mix Basecoat	7.02%	Mix Basecoat	6.53%
	Clean w/ soap & water	1.51%	Clean w/ soap & water	1.07%	Clean w/ soap & water	1.17%
	Clean w/ wax & grease	1.93%	Clean w/ wax & grease	1.55%	Clean w/ wax & grease	1.53%
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	2.47%	Clean w/ Waterborne pre-cleaner	1.89%	Clean w/ Waterborne pre-cleaner	2.30%
	Blow and tack panels	1.30%	Blow and tack panels	1.21%	Blow and tack panels	0.77%
	Mix and reduce Sealer	11.45%	Mix and reduce Sealer	13.22%	Mix and reduce Sealer	12.29%
	Apply Sealer	2.68%	Apply Sealer	1.26%	Apply Sealer	2.52%
	Clean spray gun	1.97%	Clean spray gun	2.28%	Clean spray gun	2.12%
	Apply base	9.27%	Apply base	4.50%	Apply base	7.47%
	Flash Panel	37.75%	Flash Panel	43.58%	Flash Panel	40.50%
	Check for perceived hiding/ Blend	0.63%	Check for perceived hiding/ Blend	0.82%	Check for perceived hiding/ Blend	0.81%
	Tack Panel	0.80%	Tack Panel	0.39%	Tack Panel	0.63%
	Clean spray gun	7.21%	Clean spray gun	8.33%	Clean spray gun	7.74%
	Mix Clear Coat	4.32%	Mix Clear Coat	4.99%	Mix Clear Coat	4.64%
	Apply 2 coats of Clear	5.45%	Apply 2 coats of Clear	1.94%	Apply 2 coats of Clear	3.47%
	Clean spray gun	5.16%	Clean spray gun	5.96%	Clean spray gun	5.54%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Metallic	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	5.39%	Mix Basecoat	9.33%	Mix Basecoat	5.43%
	Clean w/ soap & water	5.84%	Clean w/ soap & water		Clean w/ soap & water	5.34%
	Clean w/ wax & grease	3.08%	Clean w/ wax & grease	2.59%	Clean w/ wax & grease	1.45%
	Sand blend panel w/ 1000 grade DA	15.45%	Mask for Paint		Sand blend panel w/ 1000 grade DA	8.57%
	Sand blend panelw/ 1000 grade scuff pad	8.27%	Clean w/ Waterborne pre-cleaner	2.44%	Sand blend panelw/ 1000 grade scuff pad	7.78%
	Mask for Paint	13.78%	Blow and tack panels	0.98%	Mask for Paint	23.02%
	Clean w/ Waterborne pre-cleaner	3.11%	Mix and reduce Sealer	11.04%	Clean w/ Waterborne pre-cleaner	3.56%
	Blow and tack panels	0.96%	Apply Sealer	1.35%	Blow and tack panels	0.97%
	Mix and reduce Sealer		Clean spray gun	2.18%	Mix and reduce Sealer	
	Mix Blender	0.84%	Apply base	4.97%	Mix Blender	0.84%
	Clean spray gun		Flash Panel	46.63%	Clean spray gun	0.00%
	Apply Blender	0.57%	Check for perceived hiding/ Blend	0.41%	Apply Blender	0.94%
	Apply base	0.75%	Tack Panel		Apply base	1.03%
	Flash Panel	26.95%	Clean spray gun	6.22%	Flash Panel	27.15%
	Check for perceived hiding/ Blend	0.30%	Mix Clear Coat	4.66%	Check for perceived hiding/ Blend	0.27%
	Clean spray gun	3.59%	Tack Panel	0.41%	Clean spray gun	3.62%
	Mix Clear Coat	2.70%	Apply 2 coats of Clear	3.42%	Mix Clear Coat	2.71%
	Tack Panel	0.54%	Clean spray gun	3.37%	Tack Panel	0.39%
	Apply 2 coats of Clear	5.33%	Remove Masking		Apply 2 coats of Clear	3.53%
	Clean spray gun	1.95%	Total Time	100.00%	Clean spray gun	1.96%
	Remove Masking	0.60%			Remove Masking	1.45%
	Total Time	100.00%			Total Time	100.00%

Tri-Stage	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	9.43%	Mix Basecoat	10.97%	Mix Basecoat	10.21%
	Clean w/ soap & water	0.94%	Clean w/ soap & water	0.79%	Clean w/ soap & water	1.19%
	Clean w/ wax & grease	1.26%	Clean w/ wax & grease	1.32%	Clean w/ wax & grease	1.40%
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	1.61%	Clean w/ Waterborne pre-cleaner	1.05%	Clean w/ Waterborne pre-cleaner	1.75%
	Blow and tack panels	0.84%	Blow and tack panels	0.64%	Blow and tack panels	0.94%
	Mix and reduce Sealer	9.69%	Mix and reduce Sealer	11.27%	Mix and reduce Sealer	10.49%
	Apply Sealer	3.59%	Apply Sealer	1.58%	Apply Sealer	2.41%
	Clean spray gun	1.55%	Clean spray gun	1.80%	Clean spray gun	1.68%
	Apply base	7.11%	Apply base	3.57%	Apply base	4.90%
	Flash Panel	9.69%	Flash Panel	11.27%	Flash Panel	10.49%
	Apply mid-coat	6.49%	Apply mid-coat	3.19%	Apply mid-coat	4.76%
	Flash Panel	29.07%	Flash Panel	33.82%	Flash Panel	31.47%
	Check for perceived hiding/ Blend	0.52%	Check for perceived hiding/ Blend	0.56%	Check for perceived hiding/ Blend	0.49%
	Clean spray gun	4.65%	Clean spray gun	5.41%	Clean spray gun	5.03%
	Mix Clear Coat	6.36%	Mix Clear Coat	7.40%	Mix Clear Coat	6.89%
	Tack Panel	0.39%	Tack Panel	0.23%	Tack Panel	0.21%
	Apply 2 coats of Clear	3.84%	Apply 2 coats of Clear	1.65%	Apply 2 coats of Clear	2.48%
	Clean spray gun	2.97%	Clean spray gun	3.46%	Clean spray gun	3.22%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100.00%	Total Time	100.00%	Total Time	100.00%

Tri-Stage	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
8/22/2022	Mix Basecoat	8.23%	Mix Basecoat	13.45%	Mix Basecoat	7.98%
	Clean w/ soap & water	5.30%	Clean w/ soap & water		Clean w/ soap & water	4.66%
	Clean w/ wax & grease	1.41%	Clean w/ wax & grease	1.42%	Clean w/ wax & grease	1.18%
	Sand blend panel w/ 1000 grade DA	12.82%	Mask for Paint		Sand blend panel w/ 1000 grade DA	9.06%
	Sand blend panelw/ 1000 grade scuff pad	5.19%	Clean w/ Waterborne pre-cleaner	2.35%	Sand blend panelw/ 1000 grade scuff pad	6.03%
	Mask for Paint	11.71%	Blow and tack panels	1.07%	Mask for Paint	18.19%
	Clean w/ Waterborne pre-cleaner	2.42%	Mix and reduce Sealer	8.97%	Clean w/ Waterborne pre-cleaner	2.00%
	Blow and tack panels	1.06%	Apply Sealer	1.15%	Blow and tack panels	1.00%
	Mix Blender	0.76%	Clean spray gun	3.55%	Mix Blender	0.74%
	Apply Blender	0.92%	Apply base	3.95%	Apply Blender	0.95%
	Clean spray gun	0.76%	Clean spray gun	1.24%	Clean spray gun	0.74%
	Apply base	0.60%	Apply mid-coat	3.95%	Apply base	0.74%
	Flash Panel	8.15%	Flash Panel	39.96%	Flash Panel	7.90%
	Apply mid-coat	0.98%	Check for perceived hiding/ Blend	0.44%	Apply mid-coat	1.40%
	Flash Panel	24.44%	Clean spray gun	6.04%	Flash Panel	23.69%
	Check for perceived hiding/ Blend	0.24%	Mix Clear Coat	5.82%	Check for perceived hiding/ Blend	0.18%
	Clean spray gun	3.69%	Tack Panel	0.40%	Clean spray gun	3.58%
	Mix Clear Coat	3.56%	Apply 2 coats of Clear	3.11%	Mix Clear Coat	3.45%
	Tack Panel	0.60%	Clean spray gun	3.11%	Tack Panel	0.32%
	Apply 2 coats of Clear	4.73%	Remove Masking		Apply 2 coats of Clear	3.24%
	Clean spray gun	1.90%	Total Time	100.00%	Clean spray gun	1.84%
	Remove Masking	0.54%			Remove Masking	1.16%
	Total Time	100.00%			Total Time	100.00%

## Company 4

Solid	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water		Clean w/ soap & water		Clean w/ soap & water	
	Clean w/ wax & grease	2.03%	Clean w/ wax & grease	1.02%	Clean w/ wax & grease	1.65%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	
	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	1.70%	Clean w/ Waterborne pre-cleaner	1.05%	Clean w/ Waterborne pre-cleaner	1.14%
	Blow and tack panels	1.11%	Blow and tack panels	0.87%	Blow and tack panels	1.60%
	Mix and reduce Sealer	8.11%	Mix and reduce Sealer	9.01%	Mix and reduce Sealer	8.55%
	Apply Sealer	2.78%	Apply Sealer	1.71%	Apply Sealer	2.25%
	Flash Sealer	0.41%	Flash Sealer	0.45%	Flash Sealer	0.43%
	Clean spray gun	2.70%	Clean spray gun	3.00%	Clean spray gun	2.85%
	Reduce Basecoat	6.49%	Reduce Basecoat	7.21%	Reduce Basecoat	6.84%
	Apply Wet Bed		Apply Wet Bed		Apply Wet Bed	
	Apply 1st coat of base	2.51%	Apply 1st coat of base	1.68%	Apply 1st coat of base	2.51%
	Flash Panel	8.11%	Flash Panel	9.01%	Flash Panel	8.55%
	Apply 2nd coat of base	2.73%	Apply 2nd coat of base	1.77%	Apply 2nd coat of base	2.17%
	Flash Panel	24.33%	Flash Panel	27.04%	Flash Panel	25.66%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat		Apply 1st coat of mid-coat		Apply 1st coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Check for perceived hiding/ Blend	0.54%	Check for perceived hiding/ Blend	0.60%	Check for perceived hiding/ Blend	0.57%
	Tack Panel		Tack Panel		Tack Panel	
	Apply control coat		Apply control coat		Apply control coat	
	Clean spray gun	4.87%	Clean spray gun	5.41%	Clean spray gun	5.13%
	Mix Clear Coat	12.60%	Mix Clear Coat	14.00%	Mix Clear Coat	13.28%
	Tack Panel	1.00%	Tack Panel	0.57%	Tack Panel	0.57%
	Apply 1st coat of Clear	3.14%	Apply 1st Coat	1.77%	Apply 1st Coat	2.57%
	Flash Panel	8.11%	Flash	9.01%	Flash	8.55%
	Apply 2nd coat of Clear	4.06%	Apply 2nd Coat	1.80%	Apply 2nd Coat	2.31%
	Clean spray gun	2.68%	Clean spray gun	2.97%	Clean spray gun	2.82%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100%	Total Time	100%	Total Time	100%

Solid	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Oxford White	Verify Color		Verify Color		Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	4.16%	Clean w/ soap & water		Clean w/ soap & water	3.65%
	Clean w/ wax & grease	1.60%	Clean w/ wax & grease	1.18%	Clean w/ wax & grease	0.85%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA	7.17%	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	4.27%
	Sand blend panelw/ 800 grade scuff pad	4.55%	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	4.03%
	Mask for Paint	8.97%	Mask for Paint		Mask for Paint	18.69%
	Clean w/ Waterborne pre-cleaner	2.14%	Clean w/ Waterborne pre-cleaner	1.39%	Clean w/ Waterborne pre-cleaner	1.24%
	Blow and tack panels	0.98%	Blow and tack panels	0.76%	Blow and tack panels	0.76%
	Mix and reduce Sealer	1.77%	Mix and reduce Sealer	2.51%	Mix and reduce Sealer	1.71%
	Apply Sealer	0.09%	Apply Sealer	1.18%	Apply Sealer	0.12%
	Clean spray gun	1.88%	Clean spray gun	2.67%	Clean spray gun	1.82%
	Reduce Basecoat	11.32%	Reduce Basecoat	16.05%	Reduce Basecoat	10.94%
	Apply Wet Bed	0.43%	Apply Wet Bed		Apply Wet Bed	0.74%
	Apply 1st coat of base	0.11%	Apply 1st coat of base	1.48%	Apply 1st coat of base	0.08%
	Flash Panel	6.41%	Flash Panel	9.09%	Flash Panel	6.19%
	Apply 2nd coat of base	0.26%	Apply 2nd coat of base	1.85%	Apply 2nd coat of base	0.27%
	Flash Panel	19.22%	Flash Panel	27.26%	Flash Panel	18.58%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat		Apply 1st coat of mid-coat		Apply 1st coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Check for perceived hiding/ Blend	0.75%	Check for perceived hiding/ Blend	1.06%	Check for perceived hiding/ Blend	0.72%
	Tack Panel		Tack Panel		Tack Panel	
	Apply control coat		Apply control coat		Apply control coat	
	Clean spray gun	2.93%	Clean spray gun	4.15%	Clean spray gun	2.83%
	Mix Clear Coat	8.71%	Mix Clear Coat	12.36%	Mix Clear Coat	8.42%
	Tack Panel	1.17%	Tack Panel	0.58%	Tack Panel	0.74%
	Apply 1st coat of Clear	2.61%	Apply 1st coat of Clear	2.03%	Apply 1st coat of Clear	1.40%
	Flash Panel	6.41%	Flash Panel	9.09%	Flash Panel	6.19%
	Apply 2nd coat of Clear	3.10%	Apply 2nd coat of Clear	1.61%	Apply 2nd coat of Clear	1.63%
	Clean spray gun	2.63%	Clean spray gun	3.73%	Clean spray gun	2.54%
	Remove Masking	0.66%	Remove Masking		Remove Masking	1.55%
	Total Time	100%	Total Time	100%	Total Time	100%

Metallic	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water		Clean w/ soap & water		Clean w/ soap & water	
	Clean w/ wax & grease	2.33%	Clean w/ wax & grease	1.15%	Clean w/ wax & grease	1.64%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	
	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	1.81%	Clean w/ Waterborne pre-cleaner	1.06%	Clean w/ Waterborne pre-cleaner	1.44%
	Blow and tack panels	1.63%	Blow and tack panels	0.97%	Blow and tack panels	0.90%
	Mix and reduce Sealer	5.35%	Mix and reduce Sealer	6.10%	Mix and reduce Sealer	5.85%
	Apply Sealer	2.85%	Apply Sealer	1.71%	Apply Sealer	2.40%
	Flash Sealer	0.39%	Flash Sealer	0.44%	Flash Sealer	0.42%
	Clean spray gun	1.81%	Clean spray gun	2.06%	Clean spray gun	1.98%
	Reduce Basecoat	13.06%	Reduce Basecoat	14.89%	Reduce Basecoat	14.27%
	Apply Wet Bed		Apply Wet Bed		Apply Wet Bed	
	Apply 1st coat of base	2.56%	Apply 1st coat of base	1.95%	Apply 1st coat of base	2.23%
	Flash Panel	7.76%	Flash Panel	8.85%	Flash Panel	8.48%
	Apply 2nd coat of base	2.82%	Apply 2nd coat of base	1.74%	Apply 2nd coat of base	2.18%
	Flash Panel	23.28%	Flash Panel	26.54%	Flash Panel	25.43%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat		Apply 1st coat of mid-coat		Apply 1st coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Check for perceived hiding/ Blend	0.39%	Check for perceived hiding/ Blend	0.44%	Check for perceived hiding/ Blend	0.42%
	Tack Panel		Tack Panel		Tack Panel	
	Apply control coat	2.43%	Apply control coat	1.39%	Apply control coat	1.84%
	Clean spray gun	3.05%	Clean spray gun	3.48%	Clean spray gun	3.33%
	Mix Clear Coat	9.47%	Mix Clear Coat	10.79%	Mix Clear Coat	10.34%
	Tack Panel	1.35%	Tack Panel	0.80%	Tack Panel	0.71%
	Apply 1st coat of Clear	3.31%	Apply 1st coat of Clear	2.24%	Apply 1st coat of Clear	2.77%
	Flash Panel	7.76%	Flash Panel	8.85%	Flash Panel	8.48%
	Apply 2nd coat of Clear	4.11%	Apply 2nd coat of Clear	1.71%	Apply 2nd coat of Clear	2.18%
	Clean spray gun	2.48%	Clean spray gun	2.83%	Clean spray gun	2.71%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100%	Total Time	100%	Total Time	100%

Metallic	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	4.10%	Clean w/ soap & water		Clean w/ soap & water	3.67%
	Clean w/ wax & grease	1.64%	Clean w/ wax & grease	1.41%	Clean w/ wax & grease	1.16%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA	9.08%	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	6.95%
	Sand blend panelw/ 800 grade scuff pad	5.07%	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	3.36%
	Mask for Paint	9.04%	Mask for Paint		Mask for Paint	17.87%
	Clean w/ Waterborne pre-cleaner	1.56%	Clean w/ Waterborne pre-cleaner	1.65%	Clean w/ Waterborne pre-cleaner	1.12%
	Blow and tack panels	1.24%	Blow and tack panels	1.04%	Blow and tack panels	0.85%
	Mix and reduce Sealer	3.93%	Mix and reduce Sealer	5.72%	Mix and reduce Sealer	3.88%
	Apply Sealer	0.06%	Apply Sealer	1.44%	Apply Sealer	0.06%
	Clean spray gun	2.35%	Clean spray gun	3.43%	Clean spray gun	2.32%
	Reduce Basecoat	7.84%	Reduce Basecoat	11.41%	Reduce Basecoat	7.73%
	Apply Wet Bed	1.20%	Apply Wet Bed		Apply Wet Bed	0.64%
	Apply 1st coat of base	0.15%	Apply 1st coat of base	1.71%	Apply 1st coat of base	0.31%
	Flash Panel	6.31%	Flash Panel	9.18%	Flash Panel	6.22%
	Apply 2nd coat of base	0.19%	Apply 2nd coat of base	1.50%	Apply 2nd coat of base	0.44%
	Flash Panel	18.92%	Flash Panel	27.53%	Flash Panel	18.66%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat		Apply 1st coat of mid-coat		Apply 1st coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat		Apply 2nd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Check for perceived hiding/ Blend	0.88%	Check for perceived hiding/ Blend	1.28%	Check for perceived hiding/ Blend	0.87%
	Tack Panel		Tack Panel		Tack Panel	
	Apply control coat	0.48%	Apply control coat	1.32%	Apply control coat	0.85%
	Clean spray gun	2.10%	Clean spray gun	3.06%	Clean spray gun	2.07%
	Mix Clear Coat	8.93%	Mix Clear Coat	13.00%	Mix Clear Coat	8.81%
	Tack Panel	0.95%	Tack Panel		Tack Panel	0.75%
	Apply 1st coat of Clear	2.48%	Apply 1st coat of Clear	1.93%	Apply 1st coat of Clear	1.08%
	Flash Panel	6.31%	Flash Panel	9.18%	Flash Panel	6.22%
	Apply 2nd coat of Clear	3.07%	Apply 2nd coat of Clear	1.87%	Apply 2nd coat of Clear	1.39%
	Clean spray gun	1.62%	Clean spray gun	2.36%	Clean spray gun	1.60%
	Remove Masking	0.50%	Remove Masking		Remove Masking	1.12%
	Total Time	100%	Total Time	100%	Total Time	100%

Tri-Stage	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water		Clean w/ soap & water		Clean w/ soap & water	
	Clean w/ wax & grease	1.87%	Clean w/ wax & grease	1.01%	Clean w/ wax & grease	1.34%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	
	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	
	Mask for Paint		Mask for Paint		Mask for Paint	
	Clean w/ Waterborne pre-cleaner	1.76%	Clean w/ Waterborne pre-cleaner	0.89%	Clean w/ Waterborne pre-cleaner	1.14%
	Blow and tack panels	1.03%	Blow and tack panels	0.68%	Blow and tack panels	1.30%
	Mix and reduce Sealer	3.09%	Mix and reduce Sealer	3.48%	Mix and reduce Sealer	3.30%
	Apply Sealer	2.04%	Apply Sealer	1.29%	Apply Sealer	1.82%
	Flash Sealer	0.28%	Flash Sealer	0.32%	Flash Sealer	0.30%
	Clean spray gun	1.40%	Clean spray gun	1.58%	Clean spray gun	1.50%
	Reduce Basecoat	10.33%	Reduce Basecoat	11.65%	Reduce Basecoat	11.05%
	Apply Wet Bed		Apply Wet Bed		Apply Wet Bed	
	Apply 1st coat of base	1.68%	Apply 1st coat of base	1.46%	Apply 1st coat of base	1.84%
	Flash Panel	5.61%	Flash Panel	6.33%	Flash Panel	6.00%
	Apply 2nd coat of base	2.38%	Apply 2nd coat of base	1.54%	Apply 2nd coat of base	1.90%
	Flash Panel	16.84%	Flash Panel	18.99%	Flash Panel	18.01%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat	3.59%	Apply 1st coat of mid-coat	1.81%	Apply 1st coat of mid-coat	2.14%
	Flash Panel	5.61%	Flash Panel	6.33%	Flash Panel	6.00%
	Apply 2nd coat of mid-coat	3.18%	Apply 2nd coat of mid-coat	1.52%	Apply 2nd coat of mid-coat	1.90%
	Flash Panel	16.84%	Flash Panel	18.99%	Flash Panel	18.01%
	Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat		Apply 3rd coat of mid-coat	
	Flash Panel		Flash Panel		Flash Panel	
	Check for perceived hiding/ Blend	0.90%	Check for perceived hiding/ Blend	1.01%	Check for perceived hiding/ Blend	0.96%
	Tack Panel	0.58%	Tack Panel	0.36%	Tack Panel	0.80%
	Apply control coat		Apply control coat		Apply control coat	
	Clean spray gun	2.71%	Clean spray gun	3.06%	Clean spray gun	2.90%
	Mix Clear Coat	6.12%	Mix Clear Coat	6.90%	Mix Clear Coat	6.55%
	Tack Panel		Tack Panel		Tack Panel	
	Apply 1st coat of Clear	2.04%	Apply 1st coat of Clear	1.03%	Apply 1st coat of Clear	1.68%
	Flash Panel	5.61%	Flash Panel	6.33%	Flash Panel	6.00%
	Apply 2nd coat of Clear	2.39%	Apply 2nd coat of Clear	1.06%	Apply 2nd coat of Clear	1.26%
	Clean spray gun	2.11%	Clean spray gun	2.38%	Clean spray gun	2.26%
	Remove Masking		Remove Masking		Remove Masking	
	Total Time	100%	Total Time	100%	Total Time	100%

Tri-Stage	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/22/2022	Clean w/ soap & water	3.04%	Clean w/ soap & water		Clean w/ soap & water	2.72%
	Clean w/ wax & grease	2.06%	Clean w/ wax & grease	1.05%	Clean w/ wax & grease	0.97%
	Sand w/ 320 grade DA		Sand w/ 320 grade DA		Sand w/ 320 grade DA	
	Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad		Sand w/ 320 grade scuff pad	
	Sand blend panel w/ 800 grade DA	7.80%	Sand blend panel w/ 800 grade DA		Sand blend panel w/ 800 grade DA	5.10%
	Sand blend panelw/ 800 grade scuff pad	3.58%	Sand blend panelw/ 800 grade scuff pad		Sand blend panelw/ 800 grade scuff pad	3.45%
	Mask for Paint	7.58%	Mask for Paint		Mask for Paint	16.78%
	Clean w/ Waterborne pre-cleaner	1.35%	Clean w/ Waterborne pre-cleaner	0.96%	Clean w/ Waterborne pre-cleaner	0.88%
	Blow and tack panels	0.86%	Blow and tack panels	0.52%	Blow and tack panels	0.60%
	Mix and reduce Sealer	3.61%	Mix and reduce Sealer	5.07%	Mix and reduce Sealer	3.56%
	Apply Sealer	0.14%	Apply Sealer	1.09%	Apply Sealer	0.06%
	Clean spray gun	1.68%	Clean spray gun	2.36%	Clean spray gun	1.66%
	Reduce Basecoat	5.67%	Reduce Basecoat	7.95%	Reduce Basecoat	5.59%
	Apply Wet Bed	0.97%	Apply Wet Bed		Apply Wet Bed	0.51%
	Apply 1st coat of base	0.22%	Apply 1st coat of base	0.94%	Apply 1st coat of base	0.21%
	Flash Panel	4.67%	Flash Panel	6.55%	Flash Panel	4.61%
	Apply 2nd coat of base	0.16%	Apply 2nd coat of base	0.66%	Apply 2nd coat of base	0.18%
	Flash Panel	14.01%	Flash Panel	19.65%	Flash Panel	13.82%
	Apply 3rd coat of base		Apply 3rd coat of base		Apply 3rd coat of base	
	Flash Panel		Flash Panel		Flash Panel	
	Apply 1st coat of mid-coat	0.14%	Apply 1st coat of mid-coat	0.61%	Apply 1st coat of mid-coat	0.26%
	Flash Panel	4.67%	Flash Panel	6.55%	Flash Panel	4.61%
	Apply 2nd coat of mid-coat	0.40%	Apply 2nd coat of mid-coat	0.90%	Apply 2nd coat of mid-coat	0.43%
	Flash Panel	4.67%	Flash Panel	6.55%	Flash Panel	4.61%
	Apply 3rd coat of mid-coat	0.45%	Apply 3rd coat of mid-coat	0.61%	Apply 3rd coat of mid-coat	0.46%
	Flash Panel	14.01%	Flash Panel	19.65%	Flash Panel	13.82%
	Check for perceived hiding/ Blend	0.36%	Check for perceived hiding/ Blend	0.50%	Check for perceived hiding/ Blend	0.35%
	Tack Panel		Tack Panel		Tack Panel	
	Apply control coat		Apply control coat		Apply control coat	
	Clean spray gun	2.85%	Clean spray gun	4.00%	Clean spray gun	2.81%
	Mix Clear Coat	3.57%	Mix Clear Coat	5.00%	Mix Clear Coat	3.52%
	Tack Panel		Tack Panel		Tack Panel	
	Apply 1st coat of Clear	1.64%	Apply 1st coat of Clear	1.03%	Apply 1st coat of Clear	1.15%
	Flash Panel	4.67%	Flash Panel	6.55%	Flash Panel	4.61%
	Apply 2nd coat of Clear	1.99%	Apply 2nd coat of Clear	1.24%	Apply 2nd coat of Clear	1.20%
	Clean spray gun	2.87%	Clean spray gun		Clean spray gun	
	Remove Masking	0.31%	Remove Masking		Remove Masking	1.50%
	Total Time	100%	Total Time	100%	Total Time	100%



## Company 5

Solid	<b>Hood, Full Refinish, New Part</b>	<b>% of overall</b>		<b>RT Fender, Full Refinish, New Part</b>	<b>% of overall</b>		<b>Right Door Solid New Part (Ford YZ)</b>	<b>% of overall</b>
Color: Oxford White	Verify Color			Verify Color			Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel	
	Mix Basecoat			Mix Basecoat			Mix Basecoat	
8/24/2022	Clean w/ UWC1 Waterborne Cleaner	3.4%		Clean w/ UWC1 Waterborne Cleaner	1.8%		Clean w/ UWC1 Waterborne Cleaner	2.6%
	Clean w/ R7K158 Cleaner	3.0%		Clean w/ R7K158 Cleaner	1.8%		Clean w/ R7K158 Cleaner	2.9%
	Blow and tack panels	1.0%		Blow and tack panels	1.8%		Blow and tack panels	0.8%
	Mix and reduce Sealer	5.8%		Mix and reduce Sealer	6.6%		Mix and reduce Sealer	6.1%
	Apply Sealer	2.8%		Apply Sealer	1.9%		Apply Sealer	3.8%
	Sealer Flash	19.4%		Sealer Flash	22.0%		Sealer Flash	20.2%
	Clean spray gun	3.6%		Clean spray gun	1.8%		Clean spray gun	3.7%
	Apply 1st coat of base	3.6%		Apply 1st coat of base	2.0%		Apply 1st coat of base	2.5%
	Apply 2nd coat of base	2.4%		Apply 2nd coat of base	0.8%		Apply 2nd coat of base	1.6%
	Flash Panel	29.1%		Flash Panel	32.9%		Flash Panel	30.3%
	Check for perceived hiding/ Blend	1.0%		Check for perceived hiding/ Blend	1.1%		Check for perceived hiding/ Blend	1.0%
	Clean spray gun	7.7%		Clean spray gun	8.8%		Clean spray gun	8.1%
	Mix Clear Coat	4.8%		Mix Clear Coat	5.5%		Mix Clear Coat	5.0%
	Tack Panel	0.5%		Tack Panel	0.4%		Tack Panel	0.6%
	Apply 2 coats of Clear (2 minute flash)	8.9%		Apply 2 coats of Clear (2 minute flash)	7.3%		Apply 2 coats of Clear (2 minute flash)	8.0%
	Clean spray gun	2.9%		Clean spray gun	3.3%		Clean spray gun	3.0%
	Total Time	100.0%		Total Time	100%		Total Time	100%

Solid	<b>Hood, Blend</b>	<b>% of overall</b>		<b>RT Fender, Full Refinish, New Part</b>	<b>% of overall</b>		<b>RT FRT Door, Blend</b>	<b>% of overall</b>
Color: Oxford White	Verify Color			Verify Color			Verify Color	
Paint Code: Ford YZ / Z1	Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel			Create Spray-out/ Let DownPanel	
	Wash with Soap and water	4.8%		Mix Basecoat			Wash with Soap and water	4.4%
8/25/2022	Clean w/ UWC1 Waterborne Cleaner	2.9%		Clean w/ UWC1 Waterborne Cleaner	1.8%		Clean w/ UWC1 Waterborne Cleaner	2.5%
	Sand blend panel w/ 800 grade DA	16.2%		Clean w/ R7K158 Cleaner	1.8%		Sand blend panel w/ 800 grade DA	6.4%
	Sand blend panel w/ 800 grade scuff pad	7.3%		Blow and tack panels	1.8%		Sand blend panel w/ 800 grade scuff pad	8.5%
	Clean w/ UWC1 Waterborne Cleaner	3.1%		Mix and reduce Sealer	6.3%		Clean w/ UWC1 Waterborne Cleaner	3.3%
	Mask for blend	17.1%		Apply Sealer	1.3%		Mask for blend	26.3%
	Clean w/ R7K158 Cleaner	1.9%		Sealer Flash	21.1%		Clean w/ R7K158 Cleaner	2.3%
	Blow and tack panels	0.7%		Clean spray gun	3.9%		Blow and tack panels	0.5%
	Apply 1st coat of base	0.4%		Apply 1st coat of base	2.1%		Apply 1st coat of base	0.5%
	Apply 2nd coat of base	0.4%		Apply 2nd coat of base	1.3%		Apply 2nd coat of base	0.4%
	Apply Blend coat of base	0.2%		Flash Panel	31.6%		Apply Blend coat of base	0.3%
	Flash Panel	22.2%		Check for perceived hiding/ Blend	1.1%		Flash Panel	22.6%
	Check for perceived hiding/ Blend	0.7%		Tack Panel	0.4%		Check for perceived hiding/ Blend	0.8%
	Clean spray gun	5.9%		Clean spray gun	8.4%		Clean spray gun	6.0%
	Mix Clear Coat	3.7%		Mix Clear Coat	5.3%		Mix Clear Coat	3.8%
	Tack Panel	0.4%		Tack Panel	0.4%		Tack Panel	0.3%
	Apply 2 coats of Clear (2 minute flash)	8.5%		Apply 2 coats of Clear (2 minute flash)	8.4%		Apply 2 coats of Clear (2 minute flash)	7.7%
	Clean spray gun	2.2%		Clean spray gun	3.2%		Clean spray gun	2.3%
	Unmask	1.3%		Total Time	100.0%		Unmask	1.4%
	Total Time	100.0%					Total Time	100.0%

Metallic	<i>Hood, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Full Refinish, New Part</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/24/2022	Clean w/ UWC1 Waterborne Cleaner	3.1%	Clean w/ UWC1 Waterborne Cleaner	1.9%	Clean w/ UWC1 Waterborne Cleaner	3.0%
	Clean w/ R7K158 Cleaner	3.2%	Clean w/ R7K158 Cleaner	1.9%	Clean w/ R7K158 Cleaner	2.8%
	Blow and tack panels	0.8%	Blow and tack panels	0.6%	Blow and tack panels	0.8%
	Mix and reduce Sealer	5.1%	Mix and reduce Sealer	5.8%	Mix and reduce Sealer	5.5%
	Apply Sealer	2.6%	Apply Sealer	1.8%	Apply Sealer	2.2%
	Sealer Flash	17.0%	Sealer Flash	19.4%	Sealer Flash	18.4%
	Clean spray gun	3.1%	Clean spray gun	3.6%	Clean spray gun	3.4%
	Apply 1st coat of base	3.5%	Apply 1st coat of base	2.1%	Apply 1st coat of base	2.8%
	Apply 2nd coat of base	2.4%	Apply 2nd coat of base	0.7%	Apply 2nd coat of base	1.7%
	Flash Panel	25.5%	Flash Panel	29.1%	Flash Panel	27.5%
	Apply Drop Coat	1.6%	Apply Drop Coat	0.7%	Apply Drop Coat	0.9%
	Flash Panel	8.5%	Flash Panel	9.7%	Flash Panel	9.2%
	Check for perceived hiding/ Blend	0.9%	Check for perceived hiding/ Blend	1.0%	Check for perceived hiding/ Blend	0.9%
	Clean spray gun	5.1%	Clean spray gun	5.8%	Clean spray gun	5.5%
	Mix Clear Coat	4.3%	Mix Clear Coat	4.9%	Mix Clear Coat	4.6%
	Tack Panel	0.3%	Tack Panel	0.4%	Tack Panel	0.4%
	Apply 2 coats of Clear (2 minute flash)	10.5%	Apply 2 coats of Clear (2 minute flash)	7.5%	Apply 2 coats of Clear (2 minute flash)	7.7%
	Clean spray gun	2.6%	Clean spray gun	2.9%	Clean spray gun	2.8%
	Total Time	100.0%	Total Time	100.0%	Total Time	100.0%

Metallic	<i>Hood, Blend</i>	<i>% of overall</i>	<i>RT Fender, Full Refinish, New Part</i>	<i>% of overall</i>	<i>RT FRT Door, Blend</i>	<i>% of overall</i>
Color: Ingot Silver Metallic	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UX	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Wash with Soap and water	4.6%	Mix Basecoat		Wash with Soap and water	3.6%
8/25/2022	Clean w/ UWC1 Waterborne Cleaner	2.8%	Clean w/ UWC1 Waterborne Cleaner	1.6%	Clean w/ UWC1 Waterborne Cleaner	1.9%
	Sand blend panel w/ 800 grade DA	9.0%	Clean w/ R7K158 Cleaner	1.8%	Sand blend panel w/ 800 grade DA	11.4%
	Sand blend panel w/ 800 grade scuff pad	7.5%	Blow and tack panels	0.4%	Sand blend panel w/ 800 grade scuff pad	9.3%
	Clean w/ UWC1 Waterborne Cleaner	2.9%	Mix and reduce Sealer	5.8%	Clean w/ UWC1 Waterborne Cleaner	2.1%
	Mask for blend	11.2%	Apply Sealer	1.3%	Mask for blend	20.8%
	Clean w/ R7K158 Cleaner	2.2%	Sealer Flash	19.2%	Clean w/ R7K158 Cleaner	1.6%
	Blow and tack panels	0.7%	Clean spray gun	3.5%	Blow and tack panels	0.4%
	Apply Wetbed	1.8%	Apply 1st coat of base	1.9%	Apply Wetbed	0.9%
	Flash Panel	7.1%	Apply 2nd coat of base	1.4%	Flash Panel	6.1%
	Apply 1st coat of base	0.5%	Flash Panel	28.8%	Apply 1st coat of base	0.3%
	Apply 2nd coat of base	0.4%	Apply Drop Coat	1.0%	Apply 2nd coat of base	0.2%
	Flash Panel	21.2%	Flash Panel	9.6%	Flash Panel	18.2%
	Apply Drop Coat	0.2%	Check for perceived hiding/ Blend	1.0%	Apply Drop Coat	0.3%
	Flash Panel	7.1%	Tack Panel	0.4%	Flash Panel	6.1%
	Check for perceived hiding/ Blend	0.7%	Clean spray gun	7.7%	Check for perceived hiding/ Blend	0.6%
	Clean spray gun	5.7%	Mix Clear Coat	4.8%	Clean spray gun	4.8%
	Mix Clear Coat	3.5%	Tack Panel	0.3%	Mix Clear Coat	3.0%
	Tack Panel	0.4%	Apply 2 coats of Clear (2 minute flash)	6.8%	Tack Panel	0.2%
	Apply 2 coats of Clear (2 minute flash)	7.2%	Clean spray gun	2.9%	Apply 2 coats of Clear (2 minute flash)	5.3%
	Clean spray gun	2.1%	Total Time	100.0%	Clean spray gun	1.8%
	Unmask	1.3%			Unmask	1.1%
	Total Time	100.0%			Total Time	100.0%

Tri-Stage	<b>Hood, Full Refinish, New Part</b>	<b>% of overall</b>	<b>RT Fender, Full Refinish, New Part</b>	<b>% of overall</b>	<b>RT FRT Door, Full Refinish, New Part</b>	<b>% of overall</b>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Mix Basecoat		Mix Basecoat		Mix Basecoat	
8/24/2022	Clean w/ UWC1 Waterborne Cleaner	2.5%	Clean w/ UWC1 Waterborne Cleaner	1.4%	Clean w/ UWC1 Waterborne Cleaner	2.2%
	Clean w/ R7K158 Cleaner	1.9%	Clean w/ R7K158 Cleaner	1.1%	Clean w/ R7K158 Cleaner	1.9%
	Blow and tack panels	0.7%	Blow and tack panels	0.3%	Blow and tack panels	0.5%
	Mix and reduce Sealer	3.6%	Mix and reduce Sealer	4.1%	Mix and reduce Sealer	4.0%
	Apply Sealer	1.7%	Apply Sealer	0.9%	Apply Sealer	1.4%
	Sealer Flash	12.1%	Sealer Flash	13.8%	Sealer Flash	13.2%
	Clean spray gun	2.2%	Clean spray gun	2.5%	Clean spray gun	2.4%
	Apply 1st coat of ground coat	2.8%	Apply 1st coat of ground coat	1.5%	Apply 1st coat of ground coat	1.6%
	Apply 2nd coat of ground coat	1.8%	Apply 2nd coat of ground coat	0.7%	Apply 2nd coat of ground coat	1.0%
	Flash Panel	18.2%	Flash Panel	20.7%	Flash Panel	19.8%
	Clean spray gun	4.9%	Clean spray gun	5.5%	Clean spray gun	5.3%
	Apply 1st coat of mid-coat	2.7%	Apply 1st coat of mid-coat	0.9%	Apply 1st coat of mid-coat	1.7%
	Flash Panel	12.1%	Flash Panel	13.8%	Flash Panel	13.2%
	Apply 2nd coat of mid-coat	1.5%	Apply 2nd coat of mid-coat	0.7%	Apply 2nd coat of mid-coat	0.8%
	Flash Panel	12.1%	Flash Panel	13.8%	Flash Panel	13.2%
	Check for perceived hiding/ Blend	0.6%	Check for perceived hiding/ Blend	0.7%	Check for perceived hiding/ Blend	0.7%
	Tack Panel	0.4%	Tack Panel	0.3%	Tack Panel	0.4%
	Clean spray gun	4.9%	Clean spray gun	5.5%	Clean spray gun	5.3%
	Mix Clear Coat	3.0%	Mix Clear Coat	3.4%	Mix Clear Coat	3.3%
	Apply 2 coats of Clear (2 minute flash)	8.3%	Apply 2 coats of Clear (2 minute flash)	6.3%	Apply 2 coats of Clear (2 minute flash)	6.2%
	Clean spray gun	1.8%	Clean spray gun	2.1%	Clean spray gun	2.0%
	Total Time	100.0%	Total Time	100.0%	Total Time	100.0%

Tri-Stage	<b>Hood, Blend</b>	<b>% of overall</b>	<b>RT Fender, Full Refinish, New Part</b>	<b>% of overall</b>	<b>RT FRT Door, Blend</b>	<b>% of overall</b>
Color: White Platinum Tri-coat	Verify Color		Verify Color		Verify Color	
Paint Code: Ford UG	Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel		Create Spray-out/ Let DownPanel	
	Wash with Soap and water	3.4%	Mix Basecoat		Wash with Soap and water	3.0%
8/25/2022	Clean w/ UWC1 Waterborne Cleaner	1.8%	Clean w/ UWC1 Waterborne Cleaner	1.2%	Clean w/ UWC1 Waterborne Cleaner	1.1%
	Sand blend panel w/ 800 grade DA	8.5%	Clean w/ R7K158 Cleaner	1.4%	Sand blend panel w/ 800 grade DA	7.0%
	Sand blend panel w/ 800 grade scuff pad	8.2%	Blow and tack panels	0.3%	Sand blend panel w/ 800 grade scuff pad	6.2%
	Clean w/ UWC1 Waterborne Cleaner	2.3%	Mix and reduce Sealer	4.2%	Clean w/ UWC1 Waterborne Cleaner	1.8%
	Mask for blend	10.0%	Apply Sealer	1.1%	Mask for blend	18.4%
	Clean w/ R7K158 Cleaner	1.7%	Sealer Flash	14.0%	Clean w/ R7K158 Cleaner	1.5%
	Blow and tack panels	0.5%	Clean spray gun	2.6%	Blow and tack panels	0.3%
	Apply Wetbed	1.1%	Apply 1st coat of ground coat	1.4%	Apply Wetbed	0.7%
	Flash Panel	5.2%	Apply 2nd coat of ground coat	0.6%	Flash Panel	5.1%
	Apply 1st coat of ground coat	0.2%	Flash Panel	21.0%	Apply 1st coat of ground coat	0.2%
	Apply 2nd coat of ground coat	0.2%	Clean spray gun	5.6%	Apply 2nd coat of ground coat	0.1%
	Flash Panel	15.5%	Apply 1st coat of mid-coat	0.7%	Flash Panel	15.3%
	Clean spray gun	4.1%	Flash Panel	14.0%	Clean spray gun	4.1%
	Apply 1st coat of mid-coat	0.4%	Apply 2nd coat of mid-coat	0.8%	Apply 1st coat of mid-coat	0.3%
	Flash Panel	10.3%	Flash Panel	14.0%	Flash Panel	10.2%
	Apply 2nd coat of mid-coat	0.4%	Clean spray gun	5.6%	Apply 2nd coat of mid-coat	0.4%
	Flash Panel	10.3%	Check for perceived hiding/ Blend	0.7%	Flash Panel	10.2%
	Check for perceived hiding/ Blend	0.5%	Tack Panel	0.3%	Check for perceived hiding/ Blend	0.5%
	Clean spray gun	4.1%	Mix Clear Coat	3.5%	Clean spray gun	4.1%
	Mix Clear Coat	2.6%	Apply 2 coats of Clear	5.0%	Mix Clear Coat	2.5%
	Tack Panel	0.4%	Clean spray gun	2.1%	Tack Panel	0.2%
	Apply 2 coats of Clear	6.1%	Total Time	100.0%	Apply 2 coats of Clear	4.5%
	Clean spray gun	1.5%			Clean spray gun	1.5%
	Unmask	0.9%			Unmask	0.9%
	Total Time	100.0%			Total Time	100.0%