

TEST PROJECT CAR PAINTING

WSC2017_TP36_actual

Submitted by:

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WSC2017_TP36



CONTENTS

This Test Project proposal consists of the following documentation/files:

- WSC2015_TP36_pre_EN.doc task specification

DESCRIPTION OF PROJECT AND TASKS

The Test project uses three car panels and one non-steel panel. One of the car panels is pre painted at the manufacturing factory.

| Team Leader | Module description | |
|-------------|--|----------|
| Module A | Blend pre painted left wing-mix and match color | 2.0 hrs |
| Module B | Masking of car and pre painted plastic part | 2.0 hrs |
| Module C | Standard application inside and outside right door | 4.0 hrs |
| Module D | Wet on wet right wing (three layer) | 2.0 hrs |
| Module E | Colour matching | 2.0 hrs |
| Module F | Design on pre painted door | 4.0 hrs |
| | | 16.0 hrs |

| Colour description.... All colours quantities are RFU! | | |
|--|---|--|
| Colour - 2Stage Colour - 2Stage | Inside right door Outside right door | Code: VWLY9G/ CPS3U-SA022.50: 350 Gram Code: Peugeot KQS/ CPS2M-MG541.50 350 Gram |
| Colour - 3Stage | Wet on wet right wing | Code: Mazda 41V/ Standard/ Step 1: 450 Gram / Step 2: 500 Gram |
| Colour - No paint | Non steel panel | Code: |
| Colour- 2Stage | Spot repair left wing-Pre painted | Code : Fiat 369/B / CPS2M-MB866.94 Hole Panel: 400 Gram Repair: 100 Gram |
| Colour – Per design | Left door for design - Pre painted | Code:Entire door: Volvo 489/ CPS3M-MM209.85 : 500 gram Design: (100 gram of all 4 colours)) RAL 9016: RAL 9005 RAL 6029 BMW 236/ CPS2U- SR114.50 |



A number of colour codes will be decided by the judging panel at the competition

| Panels description | |
|--------------------|----------------------------|
| Panel # 1 | Pre painted left door |
| Panel # 2 | OEM replacement right door |
| Panel # 3 | Pre painted left wing |
| Panel # 4 | OEM replacement right wing |
| Panel # 5 | Front bumper |

There will be an introduction 5-10 minutes before each module

PLEASE TAKE NOTE OF THESE SYMBOLS



You must stop and have your work judged





Turn in sprayout sample







INSTRUCTION TO THE COMPETITOR

| | |
|--|-----------------------------|
| Module A: 2-layer - Blend pre-painted panel –using pre mixed paint. Apply colour. Colour on the fender is an off colour from a colour swatch variant. You will be supplied with premixed paint | Time allowed 2.0 HRS |
| Prep panel for blending - (Panel # 3) <ul style="list-style-type: none"> Repair scratch Apply UV primer Prep for base | |
| Apply basecoat and clearcoat <ul style="list-style-type: none"> You must limit the extent of the clear coat to the boundary indicated in the drawing CP3 | |
| <ul style="list-style-type: none"> Once the spot repair has been marked/scored you can polish the repair <p>Note : The panels must be painted and dried in a vertical position</p> | |


| | |
|---|---|
| Module B: Masking /Featheredge, prime and block. The time allotted for both task. (Panel#5 for plastic repair) | Time allowed 2.0 HRS |
| <ul style="list-style-type: none"> Masking side of vehicle/car/and jambs | |
| <ul style="list-style-type: none"> Expert will evaluate masking outline |  |
| Plastic part | |
| <ul style="list-style-type: none"> Repair scratch in paint |  |
| <ul style="list-style-type: none"> Apply primer filler | |
| <ul style="list-style-type: none"> Prep for paint | |



| Module C: Standard application, inside and outside door | Time allowed 4.0 HRS |
|---|---|
| <ul style="list-style-type: none"> Use the OEM replacement door (Panel # 2) | |
| <ul style="list-style-type: none"> Check Door for prior damage and notify expert if you see any. Prepare damaged area for polyester filler Apply polyester filler to damaged area and sand Prepare entire door for primer application <ul style="list-style-type: none"> outside must be in primer surfacer inside can be primer surfacer or wet-on-wet Apply primer surfacer on inside and outside of door if chosen Prepare for base and apply wet –on-wet if chosen Apply base and clear |     |
| Note : The panels must be painted in a vertical position | |

| Module D: Wet on wet right wing (three layer) | Time allowed 2.0HRS |
|--|----------------------------|
| <ul style="list-style-type: none"> Using (Panel # 4) | |
| <ul style="list-style-type: none"> Prep panel | |
| <ul style="list-style-type: none"> Apply wet-on-wet primer | |
| <ul style="list-style-type: none"> Match to given colour sample | |
| <ul style="list-style-type: none"> Apply using the three layer system | |
| Note : The panels must be painted in a vertical position | |



| Module E: Colour mixing | <u>Time allowed 2.0 HRS</u> |
|---|---|
| <ul style="list-style-type: none"> Using supplied colour sample- mix from scratch #1 | |
| <ul style="list-style-type: none"> Make colour to match the given sample | |
| | |
| <ul style="list-style-type: none"> Using colour sample number #2 | |
| <ul style="list-style-type: none"> Adjust colour to match given sample. | |
| <ul style="list-style-type: none"> After completing colour adjustment turn in the sample colours applied to spray out card that you would like to have evaluated |  |
| | |
| Note: You cannot use the scales or computers for this process | |

| Module F: Design on pre painted left door (Panel # 11) | <u>Time allowed 4.0 HRS</u> |
|---|------------------------------------|
| <ul style="list-style-type: none"> Use the pre painted left front door to lay out the design shown in given drawing | |
| <ul style="list-style-type: none"> Prepare surface for paint application Paint the design in the colours shown Apply clear – do not polish | |
| <ul style="list-style-type: none"> The decal/sticker supplied must be applied to the door as per drawing <p>Note : The panels must be painted in a vertical position</p> | |