Blend and fade out repairs on automotive vehicles



Overview

This standard is about the ability to undertake blend and fade out repair activities.



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Performance criteria

You must be able to:	P1	wear sui	itable personal protective equipment and use the specified
		environn	nental safety equipment throughout all vehicle refinishing operations
	P2	ensure v	vehicle is suitably prepared prior to the blend/fade out process
	P3	support vehicle refinishing operations by reviewing:	
		P3.1	product data
		P3.2	the manufacturer's technical data
		P3.3	colour libraries
		P3.4	spectrometer
		P3.5	work instructions
	P4	identify t	the body panel substrates accurately prior to undertaking any
		refinishir	ng work
	P5	prepare,	check and adjust all the tools and equipment required, following
		manufac	cturer's instructions, prior to use
	P6	prepare	all the refinishing systems and materials required following health and
		safety re	equirements and using:
		P6.1	materials which conform to the specification required
		P6.2	the manufacturer's approved method
		P6.3	the manufacturer's approved equipment
	P7	apply all	refinishing systems and materials using approved tools and
		equipme	ent and following:
		P7.1	the manufacturer's instructions
		P7.2	the correct methods and techniques
	X	P7.3	the correct application techniques for managing colour and tone
		variak	oles
		P7.4	health and safety requirements
	P8	identify t	the effects of static on the refinishing process, where applicable
	P9	dry all re	efinishing applied materials following health and safety requirements

the manufacturer's approved method

the manufacturer's approved equipment

and using:

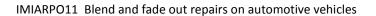
P9.1

P9.2

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- P10 ensure the finish produced:
 - P10.1 meets the requirements of the manufacturer's warranty
 - P10.2 meets the refinishing specification required and customer needs
 - P10.3 blends with the existing finish
 - P10.4 is free from contaminants and defects
- P11 dispose of waste materials to conform with legal and workplace requirements
- P12 leave tools, equipment and work environment in a clean and serviceable condition, as appropriate
- P13 complete all refinishing activities within the agreed timescale and an agreed quality control process
- P14 report any anticipated delays in completion to the relevant person(s) promptly



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Knowledge and understanding

You need to know

- and understand:
- K1 the health and safety and environmental legislative requirements specific to vehicle refinishing operations and why it is important that these are followed
- K2 workplace procedures and workshop practices relevant to personal and vehicle protection before, during and after vehicle refinishing operations
- K3 the importance of disposing of waste safely and the consequences of not doing so to others, the business and the environment
- K4 the vehicle work specification agreed
- K5 your workplace procedures for:
 - K5.1 the referral of problems
 - K5.2 reporting delays to the completion of work
 - K5.3 personal protection
- K6 the importance of working to agreed timescales and keeping others informed of progress
- K7 the relationship between time, cost and productivity
- K8 the importance of reporting anticipated delays to the relevant person(s) promptly
- K9 how to prepare, check, adjust and use all the tools and equipment required for vehicle refinishing operations
- K10 spray gun faults, their cause and their rectification
- K11 how to prepare refinishing systems and materials for use
- K12 the properties of refinishing systems and materials and the factors affecting their use
- K13 how to recognise and report damage to substrates and ancillary fittings
- K14 how to interpret manufacturer's technical data
- K15 how to prepare panels and parts adjacent to the area being painted
- K16 methods of protecting panels and parts adjacent to the areas being painted and the circumstances in which they should be used
- K17 how to find, interpret and use sources of information relevant to the refinishing of vehicles
- K18 how to apply top coat materials using fade out and blending techniques

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avoiding contamination and defects

- K19 how to dispose of waste materials following environment requirements
- K20 how to work safely avoiding damage to vehicles, personal injury and injury to colleagues
- K21 the importance of following manufacturer's instructions and using their approved methods of working (including the use of refinishing systems, materials and equipment)
- K22 the implications of static when working with blend/fade out process
- K23 the implications of rectification identified by an agreed quality control process

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