**Motor Industry Unit Standard Review**

MITO is currently facilitating the cyclical review of various motor industry unit standards.

Engineering and Technology > Motor Industry > Automotive Administration

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 15366 | Select automotive workshop products and services, and develop systems and procedures for their use | 5 | 4 | B |
| 21080 | Provide technical guidance in the motor and related industries | 5 | 4 | B |
| 21673 | Demonstrate knowledge of maintaining stock security in the motor and related industries | 4 | 2 | B |

Engineering and Technology > Motor Industry > Automotive Electrical and Electronics

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 5742 | Protect electronics when servicing or repairing a vehicle or machine in the motor industry | 3 | 2 | B |
| 24093 | Rectify simple vehicle lighting faults, and adjust vehicle lamps | 3 | 3 | B |
| 24105 | Demonstrate knowledge of wiring and wiring diagrams used in automotive circuits | 3 | 2 | B |

Engineering and Technology > Motor Industry > Automotive Fuel Systems and Exhaust

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 11733 | Demonstrate knowledge of vehicle exhaust systems | 3 | 4 | B |
| 29372 | Perform minor servicing tasks on a petrol fuel system | 2 | 2 | B |

Engineering and Technology > Motor Industry > Automotive Preventive Maintenance

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 229 | Identify the general locations and functions of motor vehicle systems and main components | 02 | 4 | B |

Engineering and Technology > Motor Industry > Automotive Refinishing

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 5720 | Paint vehicle panels in solid colour two pack in the automotive refinishing industry | 4 | 8 | B |
| 5723 | Paint vehicle panels in basecoat and two pack clearcoat | 4 | 8 | B |
| 5727 | Check preparation and apply an anti-chip coating and/or texture finish to a vehicle | 3 | 2 | B |
| 21102 | Demonstrate knowledge of vehicle paint technology | 5 | 4 | B |
| 23994 | Demonstrate knowledge of waterborne paint systems in the automotive refinishing industry | 4 | 2 | B |
| 24003 | Identify and prepare vehicle body metal for top coats of paint | 3 | 3 | B |
| 24004 | Demonstrate knowledge of primers, fillers, and sealers in the automotive refinishing industry | 3 | 3 | B |
| 24005 | Use primers, fillers, and sealers, and prepare paint for top coats in the automotive refinishing industry | 3 | 12 | B |
| 24006 | Demonstrate knowledge of paint scales and mixing machines, and colour matching in the automotive refinishing industry | 4 | 4 | B |
| 24007 | Prepare, mix and match colours to vehicles in the automotive refinishing industry | 4 | 20 | B |
| 24009 | Use a spray gun to apply top coats to vehicle panels and rectify spray gun defects | 4 | 3 | B |
| 24010 | Demonstrate knowledge of workshop and paint curing equipment in the automotive refinishing industry | 3 | 3 | B |
| 24011 | Use and maintain workshop and paint curing equipment in the automotive refinishing industry | 4 | 8 | B |
| 24013 | Identify and repair paint defects in the automotive refinishing industry | 5 | 4 | B |
| 24014 | Demonstrate knowledge of plastic automotive parts and painting automotive plastics | 4 | 2 | B |
| 24015 | Prepare and paint plastic automotive parts | 4 | 4 | B |
| 24016 | Demonstrate knowledge of touching up two pack solid and Clear-Over-Base (COB) finishes on a vehicle | 4 | 3 | B |
| 24017 | Touch up the paintwork on a vehicle using two pack solid and Clear-Over-Base (COB) colours | 5 | 15 | B |
| 24018 | Demonstrate knowledge of touching up pearl finishes on a vehicle | 4 | 2 | B |
| 24019 | Touch up the paintwork on a vehicle using three layer pearl finishes | 4 | 7 | B |
| 24020 | Demonstrate knowledge of adhesive graphics in the motor industry | 3 | 1 | B |
| 24021 | Prepare and apply adhesive graphics to a vehicle or machine | 3 | 3 | B |
| 24023 | Demonstrate knowledge of methods of and precautions when removing paint from vehicle body panel surfaces | 3 | 2 | B |

Engineering and Technology > Motor Industry > Automotive Workshop Engineering

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 21671 | Carry out general engineering tasks in the motor industry | 02 | 4 | B |
| 21684 | Use a MIG welding plant in the motor industry | 03 | 3 | B |
| 21700 | Store and use hazardous materials in the motor and related industries | 02 | 2 | B |
| 21718 | Demonstrate knowledge of hazardous materials used in the motor industry | 02 | 2 | B |
| 23992 | Use a gas metal arc welding (GMAW) plant in the motor and related industries | 03 | 3 | B |
| 24393 | Heat metal automotive components to aid disassembly and assembly in the motor industry | 02 | 2 | B |

Engineering and Technology > Motor Industry > Collision Repair

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 5738 | Cut metals to predetermined specifications on and off a vehicle | 2 | 2 | B |
| 5758 | Repair a severely damaged motor vehicle steel panel | 4 | 6 | B |
| 5762 | Remove and replace a damaged motor vehicle panel attached by adhesives | 4 | 8 | B |
| 5766 | Demonstrate knowledge of motor vehicle safety systems and working on damaged systems | 3 | 4 | B |
| 5772 | Demonstrate knowledge of motor vehicle suspension, steering, and brake systems and the effects of collision | 4 | 4 | B |
| 5773 | Identify and align structural damage on a motor vehicle | 4 | 15 | B |
| 5776 | Complete repairs of perforated metal corrosion on a motor vehicle structural steel panel | 5 | 6 | B |
| 5782 | Identify and align aluminium structural damage on a motor vehicle | 5 | 10 | B |
| 9076 | Repair vehicle chassis damage | 4 | 10 | B |
| 23977 | Use and maintain a hydraulic jack and attachments in the motor industry | 3 | 1 | B |
| 23979 | Use vehicle unibody chassis alignment equipment and measuring systems | 5 | 6 | B |
| 23982 | Inspect and identify vehicle damage | 4 | 4 | B |
| 23993 | Demonstrate knowledge of full and sectional panel replacement on motor vehicles | 4 | 2 | B |
| 23995 | Carry out a full and sectional panel replacement on motor vehicle panels | 5 | 20 | B |
| 23996 | Demonstrate knowledge of repairing and replacing damaged non-structural motor vehicle aluminium panels | 4 | 2 | B |
| 23997 | Repair and replace a damaged non-structural aluminium panel on a motor vehicle | 4 | 6 | B |
| 29576 | Demonstrate knowledge of digital imaging requirements in the collision repair industry | 3 | 1 | B |
| 29577 | Demonstrate knowledge of removing and refitting automotive air conditioning, cooling and oil cooling system components | 3 | 4 | B |
| 29578 | Demonstrate knowledge of automotive braking, steering and suspension system components in the collision repair industry | 3 | 3 | B |
| 29581 | Demonstrate knowledge of removing and replacing a damaged motor vehicle door skin | 4 | 1 | B |

Engineering and Technology > Motor Industry > Engines

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 244 | Disassemble and reassemble a four stroke multi-cylinder engine to a running state | 2 | 6 | B |
| 19636 | Remove and install vehicle engine exterior components | 3 | 2 | B |
| 21687 | Demonstrate knowledge of basic tuning on a four stroke petrol engine | 2 | 3 | B |
| 21688 | Demonstrate knowledge of disassembling and reassembling a four stroke multi-cylinder engine | 2 | 3 | B |

Engineering and Technology > Motor Industry > Motor Industry - Introductory Skills

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 3856 | Identify emergency procedures in the motor and related industries | 3 | 2 | B |
| 29579 | Demonstrate knowledge of good work habits and safe work practices in the automotive industry | 2 | 4 | B |

Engineering and Technology > Motor Industry > Vehicle Bodywork

| **ID** | **Title** | **Level** | **Credit** | **Review Category** |
| --- | --- | --- | --- | --- |
| 882 | Rectify faults associated with a motor vehicle body | 3 | 3 | B |
| 945 | Remove and replace fixed and movable automotive glass | 3 | 8 | B |
| 947 | Demonstrate knowledge of vehicle bodywork construction | 4 | 6 | B |
| 19638 | Prepare and assemble vehicle body steel components by bonding | 4 | 6 | B |
| 21693 | Demonstrate knowledge of tools and equipment used in the collision repair industry | 2 | 3 | B |
| 21705 | Demonstrate knowledge of fillers, and filling and sanding a repair in the motor industry | 3 | 2 | B |
| 21711 | Demonstrate knowledge of colours and finish coats in the motor industry | 4 | 4 | B |
| 22803 | Locate and rectify vehicle interior water leaks | 4 | 2 | B |
| 22927 | Locate and rectify vehicle body rattles, vibration, and squeaks | 4 | 3 | B |
| 23991 | Remove and replace a motor vehicle fuel tank | 3 | 2 | B |
| 29575 | Use and maintain a spray gun to apply primer in the collision repair industry | 3 | 2 | B |

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| --- | --- |
| **Key to review category** | |
| **A** | Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number |
| **B** | Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number |
| **C** | Major changes that necessitate the registration of a replacement standard with a new ID |
| **D** | Standard will expire and not be replaced |