



Australian Government

Assessment Requirements for MSFPT4003 Repair piano actions, keys and pedals

Release: 1

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Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- repair a minimum of two actions, keys and pedals in at least one upright or one grand piano.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace standards, requirements, policies and procedures for repairing upright and grand piano actions, keys and pedals
- types, characteristics, uses, limitations and preparation of materials and equipment used in piano repair and manufacture
- typical faults and or parts that may be damaged, including:
 - actions:
 - broken damper springs
 - faulty hammer heads and shanks
 - faulty hardware
 - keys:
 - broken keys
 - discoloured keys
 - faulty key leads
 - pedals:
 - loose/worn pedal caps
 - worn pedal felt
 - damaged trap work
 - broken pedals
- tasks involved in recentring action parts, including:
 - identifying faulty centre pins
 - extracting faulty centre pins
 - re-bushing flanges

- replacing centre pins
- replacing flanges
- types of tools and equipment used to repair actions, keys and pedals and procedures for their safe use, operation and maintenance, including:
 - knives
 - guillotine
 - measuring equipment
 - centering equipment
 - glue brushes and sticks
 - glue pots
- uses and locations of felts and leathers:
 - felts
 - box cloth
 - cushion felt
 - check felt
 - hammer-rest baize
 - backtouch baize
 - name board felt
 - celeste-rail felt
 - bushing felt
 - damper felts
 - leathers:
 - doeskin
 - pigskin
 - sheepskin
 - kangaroo skin
 - split skin
- problem identification of actions, keys and pedals and resolution
- set-up and operation of tools and equipment used for repairing actions, keys and pedals
- procedures for recording, reporting and maintaining workplace records and information
- best physical and ergonomic approaches to promote muscle control and avoid fatigue, including:
 - standing or seated according to type of piano and height of individual
 - evenly distributing body weight between both feet while standing to reduce fatigue
 - use a resting arm, where available, to aid control during tuning and reduce tiredness
- work health and safety requirements for piano repair.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - pianos to be repaired as specified in performance evidence
 - hand and power tools
 - repair materials
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume Implementation Guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>