

NEW ZEALAND COACH AND MOTOR-BODY BUILDING INDUSTRY—
AMENDMENT OF APPRENTICESHIP ORDER

In the Court of Arbitration of New Zealand—In the matter of the Apprentices Act 1948: And in the matter of the New Zealand Coach and Motor-body Building Industry Apprenticeship Order dated the 3rd day of October 1955, and recorded in 55 Book of Awards 1457.

WHEREAS by section 13 (2) of the Apprentices Act 1948, the Court is empowered to amend any apprenticeship order: And whereas application has been made to the Court by the New Zealand Coachbuilding Apprenticeship Committee for amendment of the New Zealand Coach and Motor-body Building Industry Apprenticeship Order dated the 3rd day of October 1955, and recorded in 55 Book of Awards 1457: And whereas the Court has considered the recommendations made to it by the said committee: Now therefore, the Court, in pursuance and exercise of the powers vested in it by the said Act, doth hereby order as follows:

1. That the said apprenticeship order shall be amended in the manner following:

(1) By deleting subclause (c) of clause 19 (Obligations of Employer) and substituting the following subclause:

“(c) Every contract in the branches specified in the schedule to this order shall contain a list of the operations and skills to be taught the apprentice, based on the schedule and approved by the local committee.”

(2) By deleting the Schedule to the order and substituting the following Schedule:

“SCHEDULE

OPERATIONS AND SKILLS

Metal Frame Body Making

1. Methods of assembly of metal frames and frame sub-assemblies. Chassis attachments and body underframes. Squaring up and aligning frames. Gas and electric arc welding sheet metal up to $\frac{1}{4}$ in. steel plate.

2. Use of assembly jigs for sub-assembly of major components. Methods of allowing for weld distortion. Checking of sub-assembled components. Methods of working and forming steel tube for fabrication of tubular components.

3. Assembly of metal finishing parts and fitting such items to bulkheads and interior metal parts into main frames. Fabrication and fitting of metal framed doors.

4. Knowledge of the manufacture of the metal parts used in the erection of an all metal frame.

5. Methods used in laying out a new body design and the methods of making the metal patterns used as templates for subsequent production. Instruction in reading blueprints and full-size body drawings.

6. Sub-assembly of machined timber parts, cutting and fitting of floors, fitting of windows and sundry glazing, fitting of mouldings and gutterings, fitting up interior linings, fitting and adjusting doors and sundry interior pieces of equipment.

7. Final finishing, fitting seats and interior finishing materials, and, in general, preparing the body for delivering to the customer.

8. A knowledge of power-driven woodworking machinery.

9. A knowledge of the relationship existing between the metal frame and timber and timber finish.

Panelbeating

1. *Tools*—Use and care of hand tools and machines normally used in the industry.

2. *Materials*—(a) Basic knowledge of the metals and other materials used in panelbeating—strength, suitability, and durability. Recognition of gauges; trade calculations and measurements.

(b) Selection of rivets and mechanical fastenings. Selection and use of abrasive materials.

3. *General Principles*—(a) Dis-assembly and assembly of component body parts and their safe storage.

(b) Removal of dents and distortion from body work.

(c) Methods of measuring and determining irregularities in body structure.

(d) Fitting and aligning of doors, glasses, and body components.

(e) Body jacking and lever principles.

(f) Elimination of body rattles and knocks.

(g) Repair and maintenance of window regulators, door locks and hinges.

(h) Modern methods of chassis repairs and alignment.

(i) Basic principles of wheel alignment, camber, caster and toe-in in relation to chassis and suspension faults.

(j) Removal and replacement of electrical components as affected by trade operations.

(k) Making and fitting of curved panels by blocking and/or wheeling.

(l) Diagnosing and correcting excess shape in wheeled panels.

(m) Contraction methods employed in repair of panels by hot and cold shrinking techniques.

(n) Hot and cold filling methods.

(o) Selection and application of suitable welding processes.

(p) Safety precautions including resuscitation.

Coach Painting

1. (a) Care, use, and routine maintenance of tools, spray guns, etc.

(b) Safety and health precautions including resuscitation.

(c) Personal cleanliness.

2. (a) Use, maintenance and selection of tools and materials normally used in this branch of the industry.

(b) Basic knowledge of colour strengths as applied to matching and blending.

3. Removal, storage and care of accessories in preparation for washing, stripping, masking, priming, rubbing down, blowing off and filling for application of the finishing coat.

4. (a) The offsetting of the effects of waxes, silicones or other polishing treatments on surfaces.

(b) Rust prevention and treatment methods.

(c) Use and after treatment of paint strippers.

5. (a) Colour matching.

(b) Use and care of lining brushes and normal brush work.

6. Spraying technique in relation to enamels and lacquers whether hot or cold processes are used.

7. (a) Complete repaint and extensive touch up work including interior finish.

(b) Polishing of interior woodwork.

Coach Building in Wood

Tools—(a) Care, use, sharpening and general maintenance of all hand tools used in the trade.

(b) General knowledge of machine tools, ripping, and cross-cutting saw bench, band saw, shaper, planner, thicknesser.

(c) Setting up of work, use of jigs etc., applicable to the various machines.

(d) Use of all safety equipment supplied with the various machines, including safety precautions and resuscitation.

Timber—(a) Calculation, and measurements of timber.

(b) Thorough knowledge of the timbers used in coachbuilding. Strength, suitability, durability, and the recognition of these timbers.

(c) Laminations, and application to various methods in construction.

(d) Glues, uses, and application.

(e) General knowledge of the use and fixing of hardboard, plywood, and other substitute interior panels.

General Principles—(a) Setting out of framing, cutting out of shapes, methods of assembly, squaring and aligning.

(b) Hanging of doors, fitting window winders, glass lights, windscreen glasses.

(c) A knowledge of size and strength of ironware, its application and use in body frames.

(d) Size and strength of materials used in chassis' attachments and body underframes.

(e) Principles of ventilators; ventilation.

Metals—Elementary knowledge of metals, including:

(a) Alloys as used for specific purposes in the body building trade

(b) Knowledge of gas and electric arc welding."

2. That this order shall operate and take effect as from the day of the date hereof.

Dated this 28th day of September 1960.

[L.S.]

A. TYNDALL, Judge. ✓