

Recreation Vehicle Service Technician *On-the-Job Training Guide*

Recreation Vehicle Service Technicians install, repair and maintain interior and exterior components on motor homes, travel trailers, fifth wheel trailers, truck campers, tent trailers, van conversions and licensed towables.

Training Requirements: 4800 hours (3 years) including: three 8-week training sessions at the Southern Alberta Institute of Technology (SAIT), Mayland Heights Campus in Calgary, AB.

Journey person to apprentice ratio for this trade is: 1:2

The information contained in this pamphlet serves as a guide for employers and apprentices. Apprenticeship training is mutually beneficial to both employer and apprentice. The employer's investment in training apprentices results in skilled and certified workers. The pamphlet summarizes the tasks to be covered by the apprentice during the on-the-job portion of apprenticeship training. An apprentice spends approximately 85% of the apprenticeship term training on-the-job.

It is the employer's or journey person's training responsibility to supervise an apprentice's practical skills development until a satisfactory level of proficiency has been reached.

EMPLOYER TRAINING RESPONSIBILITY

- introduce the apprentice to daily practice in approved safety procedures
- provide guided, hands-on practical experience and theory in the tasks and skills of the Recreation Vehicle Service Technicians trade
- where possible, expose the apprentice to new technology in the trade

Employers should make every effort to expose their apprentices to work experience in as many areas of the trade as possible.

Below, in-school instruction is listed first; suggestions to help employers assist the apprentice to prepare for in-school training are listed next.

The content of the training components is subject to change without notice.

Level One

Safety, Tools and Shop Equipment

Safety legislation, regulations and industry policy in the trades
Climbing, lifting, rigging and hoisting
Hazardous materials and fire protection
Apprenticeship orientation
Tools and equipment
Cleaning procedures
Vehicle identification number (VIN) plates and labels
Cutting and heating
Pre-delivery inspection (PDI)
Motorhome controls

The employer can assist the apprentice to achieve these objectives by:

- *describing legislation, regulations and practices intended to ensure a safe work place in this trade*
- *explaining the use of personal protective equipment (PPE) and safe practices for climbing, lifting, rigging and hoisting in this trade*
- *explaining the safety practices for hazardous materials and fire protection in this trade*
- *explaining the process of training to become a journey person*
- *demonstrating the use of tools and equipment*
- *demonstrating cleaning recreation vehicles prior to servicing*
- *Interpreting information on VIN plates and labels*
- *demonstrating cutting and heating operations*
- *demonstrating pre-delivery inspections (PDI)*
- *explaining motorhome specific controls*

Plumbing

Potable water systems
Waste water systems
Winterizing and de-winterizing
Service monitoring systems

The employer can assist the apprentice to achieve this objective by:

- *describing potable water systems*
- *explaining waste water systems*
- *demonstrating winterizing and de-winterizing of plumbing systems*
- *describing monitoring systems*

Liquefied Petroleum Gas (LP) Systems

Propane systems

The employer can assist the apprentice to achieve these objectives by:

- *explaining servicing propane systems*

Direct Current (DC) Electrical Systems

- DC electrical systems
- batteries

The employer can assist the apprentice to achieve this objective by:

- *demonstrating servicing direct current (DC) electrical systems*
- *demonstrating battery servicing and boosting*

Appliance Operation and Accessories

Appliance operation and replacement
Interior accessories and safety components
Exterior accessories

The employer can assist the apprentice to achieve this objective by:

- *describing replacement of appliances*
- *demonstrating servicing interior accessories and safety components*
- *demonstrating servicing exterior accessories*

Mechanical and Towing Systems

Tow vehicle
Hitch systems
Brake systems
Undercarriage

The employer can assist the apprentice to achieve this objective by:

- *explaining wiring a vehicle for towing*
- *explaining installing hitch and tow systems*
- *demonstrating servicing brake systems and components*
- *demonstrating servicing trailer frames, undercarriage and components*

Level Two

Standard Practices and Procedures

Work orders
Estimating
Warranty and recall procedures
Parts catalogues and related references
Customer relations

The employer can assist the apprentice to achieve this objective by:

- *explaining how to prepare a work order*
- *explaining how to prepare an estimate*
- *explaining warranty policies, recalls and service bulletins*
- *demonstrating using parts catalogues and related references*
- *describing how to conduct business in a way that will build customer relations and present a professional image*

Alternating Current (AC) Electrical Systems

AC electrical system service
Generators
Convertors and charging systems

The employer can assist the apprentice to achieve these objectives by:

- *demonstrating servicing AC electrical systems and components*
- *demonstrating servicing generators*
- *demonstrating servicing convertors, power centers and charging systems*

Consumer Products

Consumer media products

The employer can assist the apprentice to achieve this objective by:

- *describing servicing consumer media products*

Appliances

Cooking equipment
Water heating systems
Heating systems

The employer can assist the apprentice to achieve this objective by:

- *describing servicing cooking equipment*
- *describing servicing water heating systems and components*
- *describing servicing heating systems*

Exterior Structures

Exterior surfaces, components and structures

Body panels

Camper tie-downs and jacks

The employer can assist the apprentice to achieve this objective by:

- *describing servicing exterior surfaces, components and structures*
- *explain preparing body panels for repair*
- *demonstrate servicing camper tie down systems and jacks*

Mechanical and Suspension Systems

Suspension aids

Lift and wall systems

The employer can assist the apprentice to achieve this objective by:

- *describing servicing service suspension aids*
- *explaining servicing lift and wall systems*

Level Three

Inverter and Solar systems

Solar systems

Inverter systems

The employer can assist the apprentice to achieve this objective by:

- *describing servicing solar systems and components*
- *describing servicing inverter systems*

Appliances

Air conditioning and heat pumps

Refrigerators

Appliance products

Electronic control systems

The employer can assist the apprentice to achieve this objective by:

- *explaining servicing air conditioners and heat pumps*
- *explaining servicing refrigerators*
- *describing installing appliance and consumer products*
- *describing installing electronic control systems*

Interior Structures and Components

Cabinet furnishings and flooring

The employer can assist the apprentice to achieve this objective by:

- *explaining servicing cabinets, furnishings and flooring*

Slide Outs and Levelling Systems

Hydraulic systems

Slide out systems

Levelling systems

The employer can assist the apprentice to achieve this objective by:

- *explaining servicing hydraulic systems and components*
- *describing servicing slide out systems and components*
- *describing servicing levelling systems and components*

Auxiliary Fueling Systems and Specialty Haulers

Auxiliary fueling systems

Specialty haulers

The employer can assist the apprentice to achieve this objective by:

- *demonstrating servicing auxiliary fuel systems*
- *describing servicing specialty haulers*

Welding, Coaching, Certification and Committees

gas metal arc welding (GMAW)

workplace coaching

Alberta's industry network

Interprovincial Standards Red Seal Program

The employer can assist the apprentice to achieve this objective by:

- *demonstrating GMAW welding operations*
- *describing coaching skills*
- *explaining Apprenticeship and the network of industry's that represent the trades*
- *explaining the Red Seal products (i.e. NOA) used to develop Interprovincial examinations*

Consider apprenticeship training as an investment in the future of your company and in the future of your workforce. Ultimately, skilled and certified workers increase your bottom line.

Get involved in the apprenticeship training system. Your commitment to training helps to maintain the integrity of the trade.

Do you have employees who have been working in the trade for a number of years but don't have trade certification? Contact your local apprenticeship office for details on how they might obtain the certification they need.

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