

Trade Profile

Recreation Vehicle Service Technician



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Structure of the Trade Profile

This profile has two sections that provide a snapshot of the trade's description, and all trade activities as they are organized in the Red Seal Occupational Standard:

Description of the Recreation Vehicle Service Technician trade: an overview of the trade's duties, work environment, job requirements, similar occupations and career progression

Task Matrix: a chart which outlines graphically the major work activities, tasks and sub-tasks of this standard

Major Work Activity (MWA): the largest division within the standard that is comprised of a distinct set of trade activities

Task: distinct actions that describe the activities within a major work activity

Sub-task: distinct actions that describe the activities within a task

Description of the Recreation Vehicle Service Technician Trade

“Recreation Vehicle Service Technician” is this trade’s official Red Seal occupational title approved by the CCDA. This standard covers tasks performed by a recreation vehicle service technician.

Recreation vehicle (RV) service technicians work on systems and components of recreation vehicles, including electrical components, plumbing, liquefied petroleum (LP) gas components, appliances, exterior and interior components, structural frames and towing systems. They diagnose, repair, replace, install, adjust, test, maintain and modify these components and systems. They may also perform maintenance and repairs on trailer frames and running gear. They must be knowledgeable about each system’s function and the interaction among them. However, it is important to note that they do not work on the motor or drive train components.

Recreation vehicles serviced in this trade include: class A, B, B+ and C motorhomes, travel trailers, fifth wheel trailers, park model trailers, truck campers and pop-up camping trailers. RV service technicians also work on toy haulers, utility trailers, flat deck trailers, construction living trailers and an assortment of mobile vehicles.

While recreation vehicle service technicians are experienced in all facets of the trade, many may develop specialized skills in areas such as electronics, appliances, hitching systems, and interior and exterior finishing.

Recreation vehicle service technicians are typically employed at RV dealerships, independent RV repair shops, RV manufacturers and may also be self-employed. They may work at indoor shops and outdoors at RV sites. Safety is important due to risks and hazards such as working at heights, with electricity, with explosive and volatile materials, and under vehicles.

Some important attributes include service, mechanical and mathematical skills, manual dexterity, an ability to plan and think sequentially and an ability to work as a team member. Customer relations skills are critical when providing on-site services. Sales skills are required when performing maintenance tasks and assisting customers with making decisions related to repair options.

The functions of recreation vehicle service technicians may overlap with a number of other trades such as parts technician, automotive service technician, construction electrician, plumber, gasfitter, carpenter, floorcovering installer, sheet metal worker, refrigeration and air conditioning mechanic, welder, auto body and collision technician, and appliance service technician.

Experienced recreation vehicle service technicians may advance to supervisory or training positions. They may also move into positions with manufacturers, wholesalers and sales divisions of RV dealerships.

Recreation Vehicle Service Technician

Task Matrix and Weightings

A – Common occupational skills

9%

Task A-1 Performs safety-related activities 27%	A-1.01 Uses personal protective equipment (PPE) and safety equipment	A-1.02 Maintains safe work environment	
Task A-2 Uses and maintains tools and equipment 24%	A-2.01 Uses tools and equipment	A-2.02 Uses lifting, moving and access equipment	
Task A-3 Performs common work practices and procedures 29%	A-3.01 Uses documentation	A-3.02 Identifies recalls and service bulletins	A-3.03 Performs pre-delivery inspections (PDI)
Task A-4 Uses communication and mentoring techniques 20%	A-4.01 Uses communication techniques	A-4.02 Uses mentoring techniques	

B – Plumbing systems

14%

Task B-5 Diagnoses plumbing systems 40%	B-5.01 Diagnoses potable water systems	B-5.02 Diagnoses waste water systems	
Task B-6 Services potable water systems 31%	B-6.01 Maintains potable water systems	B-6.02 Repairs potable water systems	B-6.03 Installs potable water systems
Task B-7 Services waste water systems 29%	B-7.01 Maintains waste water systems	B-7.02 Repairs waste water systems	B-7.03 Installs waste water systems

C – Electrical systems

18%

Task C-8 Diagnoses electrical systems 38%	C-8.01 Diagnoses AC electrical systems	C-8.02 Diagnoses DC electrical systems	C-8.03 Diagnoses generators
Task C-9 Services AC electrical systems 24%	C-9.01 Maintains AC electrical systems	C-9.02 Repairs AC electrical systems	C-9.03 Installs AC electrical systems
Task C-10 Services DC electrical systems 29%	C-10.01 Maintains DC electrical systems	C-10.02 Repairs DC electrical systems	C-10.03 Installs DC electrical systems
Task C-11 Services generators 9%	C-11.01 Maintains generators	C-11.02 Installs generators	

D – Liquefied petroleum (LP) gas systems

15%

Task D-12 Diagnoses LP gas systems 57%	D-12.01 Diagnoses LP gas supply systems (high pressure)	D-12.02 Diagnoses LP gas distribution systems (low pressure)	
Task D-13 Services LP gas systems 43%	D-13.01 Maintains LP gas systems	D-13.02 Repairs LP gas systems	D-13.03 Installs LP gas systems

E – Appliances and consumer products

15%

Task E-14 Diagnoses appliances 27%	E-14.01 Diagnoses water heaters	E-14.02 Diagnoses furnaces	E-14.03 Diagnoses cooktops and ranges
	E-14.04 Diagnoses refrigerators and ice makers	E-14.05 Diagnoses air conditioners and heat pumps	
Task E-15 Services water heaters 14%	E-15.01 Maintains water heaters	E-15.02 Repairs water heaters	E-15.03 Installs water heaters
Task E-16 Services furnaces 15%	E-16.01 Maintains furnaces	E-16.02 Repairs furnaces	E-16.03 Installs furnaces
Task E-17 Services cooktops and ranges 10%	E-17.01 Maintains cooktops and ranges	E-17.02 Repairs cooktops and ranges	E-17.03 Installs cooktops and ranges
Task E-18 Services refrigerators and ice makers 16%	E-18.01 Maintains refrigerators and ice makers	E-18.02 Repairs refrigerators and ice makers	E-18.03 Installs refrigerators and ice makers
Task E-19 Services air conditioners and heat pumps 12%	E-19.01 Maintains air conditioners and heat pumps	E-19.02 Repairs air conditioners and heat pumps	E-19.03 Installs air conditioners and heat pumps
Task E-20 Services consumer products 6%	E-20.01 Replaces consumer products	E-20.02 Installs consumer products	

F – Interior and exterior components

12%

Task F-21
Diagnoses interior and exterior components
44%

F-21.01 Diagnoses interior components

F-21.02 Diagnoses exterior components

Task F-22
Services interior components
28%

F-22.01 Maintains interior components

F-22.02 Repairs interior components

F-22.03 Installs interior components

Task F-23
Services exterior components
28%

F-23.01 Maintains exterior components

F-23.02 Repairs exterior components

F-23.03 Installs exterior components

G – Frames and mechanical components

10%

<p>Task G-24 Diagnoses frames and mechanical components 34%</p>	<p>G-24.01 Diagnoses frames</p>	<p>G-24.02 Diagnoses running gear</p>	<p>G-24.03 Diagnoses levelling systems</p>
	<p>G-24.04 Diagnoses slide-out systems</p>	<p>G-24.05 Diagnoses lifting systems</p>	
<p>Task G-25 Services frames 8%</p>	<p>G-25.01 Maintains frames</p>	<p>G-25.02 Repairs frames</p>	
<p>Task G-26 Services running gear 16%</p>	<p>G-26.01 Maintains running gear</p>	<p>G-26.02 Repairs running gear</p>	
<p>Task G-27 Services levelling systems 14%</p>	<p>G-27.01 Maintains levelling systems</p>	<p>G-27.02 Repairs levelling systems</p>	<p>G-27.03 Installs levelling systems</p>
<p>Task G-28 Services slide-out systems 17%</p>	<p>G-28.01 Maintains slide-out systems</p>	<p>G-28.02 Repairs slide-out systems</p>	
<p>Task G-29 Services lifting systems 11%</p>	<p>G-29.01 Maintains lifting systems</p>	<p>G-29.02 Repairs lifting systems</p>	

H – Towing systems

7%

Task H-30 Diagnoses towing systems 51%	H-30.01 Diagnoses tow vehicle systems	H-30.02 Diagnoses towed vehicle systems	
Task H-31 Services tow vehicle systems 23%	H-31.01 Maintains tow vehicle systems	H-31.02 Repairs tow vehicle systems	H-31.03 Installs tow vehicle systems
Task H-32 Services towed vehicle systems 26%	H-32.01 Maintains towed vehicle systems	H-32.02 Repairs towed vehicle systems	H-32.03 Installs towed vehicle systems