

Pre Delivery Inspection (PDI) on New Pre-Purchase Check on Used RV

Exterior

Appearance	√	Remarks
Walk around look for any obvious defects, scratches.		
Paint chips, over spray, gel coat peeling		
Chrome and molding conditions		
Weight - See Note 1		
Roof (Climb up)	√	
Ladder attachment points for cracks		
TV - CB - Radio Antenna's		
Fan Vents and covers Check for cracks and seal's		
A/C units - covers - sealant - drain		
Lights		
Skylight(s)		
Solar Panel - check mount - wires - controllers - etc		
Plumbing vents		
Seams - caulking around edges and end caps		
Windows	√	
Alignments - operation - latches		
Seals - Gaskets - Tint		
Cracks - Chips in Glass and double pane glass seal		
Emergency EXIT Window. Operate		
Awnings	√	
Operate Open and Close		
Check springs - Hardware - Support struts - Locks		
Inspect Material		
Entry Door	√	
Alignment - operation - weather stripping		
Latch - Lock - Deadbolt - Remote Lock open and close		
Screen Door - condition - latch		
Step operation - storage		
Storage Compartments	√	
Door Alignments and weather stripping		
Locks, open and lock		
Light's on/off		
Hinges - gas cylinders - gasket's - seals		
Handles		
Check for signs of leaking or water damage		

Engine Compartment	√	Remarks
Lights, Turn on/off		
Hinges – Handle – Strut’s Look for rust, wear		
Door alignment – Lock/unlock		
Identify oil pressure sensor		
Check Caps – Clamps – Hoses - Filters		
Check Oil		
Water/Fuel separator		
Battery – cable – condition – age of batteries		
Air Filter – condition – when changed?		
Coolant		
Visual Inspection		
Belts - condition		
Engine, Transmission and Hydraulic oil leak’s		
Radiator leak’s		
Wiring Harness placements		
Generator	√	
Light – Hinges - Struts		
Door alignment – release handle - lock		
General condition		
Generator Hours		
Make and Model		
Extend retract if equipped		
Check oil and coolant levels		
Water/Fuel separator		
Exhaust – clamps – hoses - filters		
Start and Stop with outside switch		
Gauges if equipped		
Utility Compartment	√	
Black water valve		
Gray water valve		
Sewer hose connection and storage		
Tank flush system if equipped		
Outside Shower or water faucet turn on/off		
Light’s		
50-amp cord (and reel if equipped)		
Drinking water hose (and reel if equipped)		
Water Filter if equipped		
City water connection		
City water pressure reducer		
Telephone and Cable connections		
Compartment heat		
30-amp adapter and pigtail		
Remote water pump switch		

Propane Compartment	✓	Remarks
Bottom ventilating duct		
Main shut off and safety shut off - Gages		
Wheels/Tires	✓	
Inspect wheels		
Lug nuts/Torque		
Inspect tires		
Check tire pressure adjust to tire/weight chart		
Check DOT date Code. - See Note 2		
Tire Pressure - See Note 3		
Check Hitch Rating		
Inspect Towing plug wiring		
Light's and Mirror's <i>Inspect</i>	✓	
Headlights		
Taillights		
Brake lights		
Front turn signal		
Rear turn signal		
Backup light		
Running lights		
Porch light		
Docking lights		
Check mirrors remote and heat		
Slide out's <i>Inspect</i>	✓	
Hydraulic system - leaks - hoses - valves - pump		
Interlocks		
Check Awning over slide's		
Awning Latch/Lock		
Slide out mechanism		
Check for water leaks with hose		
Slide fit and finish when retracted		
Chassis <i>Check/Inspect</i>	✓	
Air Lines - auto purging - manual moisture purge		
Air System - perform leak test		
Hydraulic lines		
Wiring - harnesses - fuse location		
Shock absorbers leaks and attachment points		
Exhaust pipe - connections and Muffler		
Undercoating - Rust		
Brakes (Use Airbrake Test before test drive)		
Leveling Jacks or air leveling for oil leaks or damage		
Ride Height (clearance in wheel well normal height and full down)		
Fuel Tank - Gas Cap		
Fuel Door - Hinges - Lock - Vent hose if visible		

Interior

Plug into a 120V Service OR start Generator to check out electrical system. Add fresh water to tank. If possible check with shore power and Generator separately to make sure switching is working.

<i>Cabinets and Drawers</i>	√	Remarks
Hinges		
Latches		
Shelves		
Hardware		
Rails		
Stops		
Cracked wood, scratch's, nicks, loose handles		
Struts		
Misaligned cabinet doors and drawers		
Safe - Combination if equipped		
<i>Closets</i>	√	
Operate Doors		
Door Latches		
Light's and switches/automatic		
Hanger Rods - hooks		
<i>Furniture</i>	√	
Construction		
Upholstery condition		
Sofa bed open/close		
Seatbelt positions		
Main Bed - check storage - struts - engine access		
<i>Counter Tops</i>	√	
Alignment		
Fastening devices		
Splash back		
Sink and stove covers		
Scratches		
<i>Blinds/Shades/Curtains</i>	√	
Operate all blinds		
Alignment		
Mechanism		
Check all valences and trim		
Brackets		
Rods		
Hooks		
Pull cover over Windshield -check storage - stains		
Check for evidence of water leak		
Entry Door curtain attachment - storage		

Wall covering	✓	Remarks
Securely attached		
Seams, joints, borders		
Check for nicks, scratches, tears		
Pictures – Mirrors		
Water stains and leaks on ceiling and wall		
Floor Covering	✓	
Carpet fit and finish		
Installation		
Tile Floor – cracked or lose tiles – grout condition		
Wood Floor scratches – water damage		
Look for slide(s) dragging on floors		
Entertainment Operate	✓	
TV Antenna		
Television(s)		
VCR – DVD – SAT		
Surround Sound		
CD player/changer		
Switches		
Controls		
Remote Controls		
CB Radio		
Microwave/Convection Oven	✓	
With air condition running heat water for 3 minutes		
Installation Fit and Finish		
Controls – Knobs – Indicator – Accessories		
Propane Stove	✓	
Turn on both burners to see LP flow		
Installation Fit and Finish		
Gas fittings		
Controls – Knobs		
Outside vent if equipped		
Refrigerator	✓	
Understand Controls and status lights		
Operate with Propane check heating column is lit outside		
Operate with AC		
Set temperature to high, check coil for cooling		
Indicators		
Ice Maker		
Installation Fit and Finish		
Open Outside access door		
Check for Rust or leaks		

Plumbing	✓	Remarks
Pipes in/under cabinets		
Pipe connections		
Water Filter		
Shower – Drain – check for leaks		
Toilet – Flush – check for leaks		
Washer/Dryer operation		
Water Pump	✓	
Operate (Pump should stop when pressure reached no on/off cycling)		
Audible noise level		
Operate Kitchen sink		
Operate Bathroom sink		
Switch on/off		
Water Heater	✓	
Operate on Propane		
Operate on AC		
Outside vent		
Check Anode Rod as soon as possible (no water in system)		
Furnace	✓	
Operate (Check temp. with Thermometer at duct)		
Vent operation and Installation Fit/Finish		
Verify no odor		
Listen for excessive noise in bedroom		
Aqua-Hot or Hydro-Hot if equipped	✓	
Turn on Diesel switch		
Check for Hot water at sinks		
Turn on Heat at Thermostat		
Check each Zone		
Check engine pre-heat switch and operate		
Lighting/Electrical	✓	
Operate Switches		
Check Fixtures		
Wall Outlets		
Power Management Panel		
Inverter Display		
Battery charging		
Controls		
Alarms Check Batteries and Test	✓	
Propane		
CO2		
Smoke		
Fire extinguishers – age – placement – mounting type		

<i>AC/Heat Pumps and Air Vents</i>	✓	Remarks
Test on Shore power (see Generator below)		
Operate all AC/Heat Pump vents		
Check Filters		
Listen to fan noise		
Measure temperature in duct		
Check and operate air vents in kitchen and Bath		
<i>Generator</i>	✓	
Start from dash run it at full load for 30 minutes		
Turn on AC or Heat pump from thermostat		
Listen to audible unusual noises		
Run with Microwave/Convection oven		
Run it with lights - TV - Stereo		
Leave Generator running		
<i>Inverter/Converter/Charger</i>	✓	
Understand operation and function		
Check displays and control lights		
Make sure house batteries are charged		
Shut down Generator. Unplug shore power		
Leave Inverter on		
Check to see Inverter took over all AC voltages		
Test by running Microwave for a minute		
Test TV		
<i>From Driver Seat</i>	✓	
Adjust Driver seat check seat belt		
Check Instrument panel		
Sun visors		
Backup camera operation		
Tank's monitor panel		
Adjust mirrors		
Check passenger seat operation - seat belt		
Passenger side stairwell cover operation		
<i>Leveling</i>	✓	
Level coach with auto leveling		
Try manual leveling		
Operate front, rear, left, right manually		
<i>Slide out</i>	✓	
Check seals while slide is retracted and extended		
Operate each slide out several time		
Check interlocks		
Check manual retract in case auto fails in future		
Check alignment of wheels and clearance to floor		
Locking operation		
<i>Maintenance Records <u>VERY IMPORTANT</u></i>	✓	
<i>Chassis, Engine, Transmission and Generator</i>		
Check for ALL Systems Documents		
Get Instruction Book and Warranty cards if applicable		

Test Drive	✓	
Before Test Drive verify, that all compartments secured, antenna down, awnings locked, check for clearance all around, check cabinets and doors.		
Start Engine		
Wait until "Wait to Start" light goes out		
Should start in 3-4 seconds		
Oil pressure is within NORMAL range. No oil shut down		
Voltage gauge should read 13.2 volts		
Air pressure to 120 psi and stay there		
All warning lights are out		
Check Dash Air and vents		
Check Dash Heat		
Perform Air Brake Test - See Note 4		
Put in gear go forward and reverse		
Road Test - See Note 5		
Park with engine running walk around outside look for rattles, vibration and leaks		

On a *used coach* it is advisable to go to a Qualified Service Facility to check all the chassis components including the engine, transmission, breaks, hydraulic lines, shock absorbers, radiator, exhaust pipes, engine oil analysis and DOT requirements.

Note 1

Weigh the coach with full fuel and water. There should be no significant weight difference from side to side. There should be a significant useable payload weight capacity on each axle. By subtracting the actual vehicle weight from the GVWR you will get the NCC or Net Carrying Capacity. Front Axle _____ Rear Axle _____ Actual Weight _____ Left Front _____ Right Front _____ Left Rear _____ Right Rear _____

Note 2

Manufacturing date. Before January 1, 2000 3 digits First 2=week 3rd=year e.g. 039 = third week 1999 After 2000 4 digit First 2=week Last 2=year e.g. 3202= week 32, 2002.

Note 3

Inflate tires based on the actual weight of the coach with full water, fuel, stuff you carry and the passenger's weight. Look up the pressure requirement from the tire Manufacturer's recommendation list.

Note 4

Air Brake Test

Air Governor Test

1. Start Engine and build air to max.
2. Fan brake to about 85 psi. Compressor should come on.

Static Brake Test

1. Level location, or block a wheel. Transmission in neutral.
2. Turn engine off and release parking brake. Keep foot off service brake. Air loss should not exceed 2psi in one minute.

Applied Brake Test

1. MAKE FULL Foot Brake Application. **(Make SURE park brake is released or you will damage the system)**
2. Hold the pedal all the way to the bottom for one minute. Air loss less than 3psi in one minute. **(AUTO SLACK ADJUSTERS WILL SET UP AUTOMATICALLY.)**

Low Air Warning Device

1. Turn on key. **DO NOT START ENGINE.** Fan brakes.
LOW AIR WARNING buzzer should start at 60psi

Emergency Brake System Test

1. Turn off ignition key Fan Brakes to below 45psi, emergency brake must engage automatically.
2. Start the engine and try to move the coach **SLOWLY** against the emergency brake with low air pressure. Place the transmission in neutral after test.

Compressor Check

1. Run engine at 1000rpm in 3 minutes air pressure 50 to 90 psi

Emergency Brake Test

1. Build up air until it cuts out. Put coach in gear. Release the parking brake.
2. Move the coach **slow** and apply the emergency (parking) brake.

Check Service Brakes

1. Release Parking Brake.
2. Set coach on motion and apply service (foot) brake firmly to see if the steering wheel pulls to the left or right.

Note 5

Road Test: Drive at different speed check for vibration through steering wheel. Use expressway and rough road condition. Check handling and steering movement needed to maintain control. Check for tracking and drift. Accelerate decelerate. Listen for noise from engine, transmission and flapping awnings. Check for road noise, vibration and wind noise around door and windows. Use engine brake (Jake/exhaust) and Cruise Control.

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You can find more RV service manuals here:

www.myrvworks.com/manuals

Over the years of running a mobile RV repair service, having a dedicated place to access service manuals for all the different appliances and components found on RVs was something that I always had a desire to create.

I hope this resource makes your RV repairs easier, as it has mine, but please be careful and follow proper safety practices when attempting to repair your own RV.

If in doubt, please consult with a professional RV technician!



DARREN KOEPP - OWNER, MY RV WORKS, INC.

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