

Pre Acceptance Checklist By: Smoky Shepherd

This checklist is for a diesel pusher.

See Notes For Important Update Prior to PDI

Pass

Fail

Check weight and balance.

Front Axle wt: _____

Lt. Front: _____

Rear Axle wt: _____

Rt. Front: _____

Actual wt: _____

Lt. Rear: _____

Rt. Rear: _____

Outside Walk Around

Ladder - Check that all the mounting points are solidly attached to the body and the rungs are firmly fixed to the frame.

Roof Sealing, Ck. Sealing on seams, gaskets, screwheads.

Ck. Around AC, vents, antennas, sewer vents and side seams.

Check that all shrouds & covers are intact, unbroken and properly seated on the roof.

Look for any signs of bubbles (large and small), delamination, foreign objects or protruding screw or nail heads under the membrane (if a rubber roof).

Findings: _____

Doors: Ck. Gasket, adhesive and coverage. Ck. Alignment of door.

Check fuel door also

Look closely at the door from the inside and confirm that it sits flush against the inside of the doorjamb.

Confirm that each key works in the appropriate lock.

Look closely at the door from the inside and confirm that it sits flush against the inside of the doorjamb

The main door should open & close smoothly and lock with out undue effort.

Check that the screen door opens smoothly alone and locks to the main door without any extra effort.

Findings _____

Baggage Compartment: Ck. Operation of doors, cylinders for holding door open. Hinges for tightness and secure. Ck. That door is held close tightly. Ck. For moisture. Ck. Lighting

Confirm that each key works in the appropriate lock.

open and close each door checking for alignment and

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gasketing.

Feel the floor or carpeting and look for any signs of moisture that might indicate rain leakage.

Any gas cylinders used for keeping the door open should be properly installed so as not to interfere with items stored in the compartment. If clamp-type door hold-opens are used, make sure they are present and hold the door correctly.

Findings _____



Telephone & Cable TV Connections

Find and understand the telephone and cable connections.

Make sure a weather cap is present for each connector and that connectors are properly identified & mounting plates are properly sealed.

cable input?

2 satellite internet inputs?

Entertainment center output in baement bay?

Make sure a weather cap is present for each connector and that connectors are properly identified & mounting plates are properly sealed.



Engine Compartment: Ck. Door for alignment and latches hold door closed securely.

Findings _____



Generator Compartment: Ck. Door for alignment and tight fit. Ck. That everything is tight and rattle free. Ck. That exhaust is not under window or slides. Operate power slide a few times to insure proper operation.

Findings _____



Fuel Doors: Ck. For alignment and proper locking. Make sure there are lanyards for holding caps from falling on ground during fueling. Ck. Proper way to fuel vehicle.

Findings _____



Utility Compartment: Ck. Closely how each valve works.

Inspect this area on the trailer to make sure that nothing is broken or deformed.

Ck. How sewer hose is stored. Ck. Proper function of black and

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gray valves. Understand how tank flushing works. Ck. Water filters for proper installation. Ck. Electrical reel operation. Ck. telephone and cable connections. see above
If tank flushing is installed, understand how it operates.
Understand where the low point drains are for the fresh water system.
If tank flushing is installed, understand how it operates.
Locate any water filters and check for proper installation

Findings _____



Propane: Ck. For downward ventillation. Ck. That tank is secure. Ck. That propane can not enter coach or compartments. Ck. Operation of main shutoff.
Confirm that a leak test has been performed on both pigtails between the tanks and regulator and the rest of the system.



Battery: Ck. For proper ventillation. Ck. All slide mechanisms are working properly. Ck. For cables rubbing or binding. Understand the type battery and proper maintenance.
Findings _____



Tires and wheels: Inspect tires for proper inflation. Have torque on lugnuts checked by dealer.
Tire PSI: _____
Closely inspect the tires and wheels and understand the proper inflation pressure.



Check access to valve stems on rear inner wheels (**See Note**)
Windows: Ck. Each window for alignment and proper seals.

Findings _____



Paint: Ck. Closely for bubbles, pits, chips. Ck. Vinyl films for bubbles. Ck. For overspray of paint. Ck. surface for smoothness and even coat of paint.
Divide each side of the unit into 2, 3 or 4 sections and inspect for siding issues: color variations, dents or irregularities.

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Do the same for the ends of the unit
Look at places where vinyl film is used for graphics to make sure it is free of any air bubbles.
Check ends of any decals for uniformity or "mistakes" that may have gouged the siding.
Look closely where masking tape was used for paint graphics to make sure there is no over-spray.
Carefully check for surface smoothness and any place when paint coverage is marginal or Site down the side of the unit to check for bumps or depressions in the siding.
where there are bubbles.

Findings _____



Awnings: Operate awning several times. Ck. Springs locks, supports for alignment. Ck. For tears and punctures.
Pay particular attention to how the awning is locked in the retracted position
Site down the side of the unit to check for bumps or depressions in the siding.
Wiggle the mounting points for the support arms to get a feeling for how solidly they are mounted to the body.

Findings _____



Chassis Inspection:
Put on some old clothes or coveralls and get a good-sized piece of cardboard or carpet to make it easier to lie on you back while checking around under the trailer.

Ck exhaust pipes for proper shielding from propane lines and tank. Ck. Wiring and piping for proper fastening. Ck. Undercoating is not sprayed on brake calipers and sight glasses.
Ck. Brake calipers for alignment and operation. Ck. for fluid leaks. Ck. All operating fluid levels.(hyd., transmission, fuel, oil, coolant.) Understand how to ck. drive belts and their types.
You want to be able to Insper all air and / or hydraulic lines, wiring, shock absorber attachments, and in general every place that a wire or pipe could rub against something that could cause a problem later.
All wiring and piping should be properly fastened.

Findings _____

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Slide-Out operation:

Start by checking the seals while the slide is retracted.
You should not be able to find any places where you can see light or detect airflow.
Use a flashlight to look into dark corners.

Operate each slide several times.
Understand the interlocks that might be present. Ck. the manual retraction process. Ck. Proper alignment of wheels and for clearance. Ck. Locking mechanisms for proper operation and alignment. Make sure seals are properly installed and operational when slide is retracted and extended.
Understand the manual retraction process and actually perform the retraction as if the automatic mechanism had failed.
Understand any locking mechanisms that are used to hold the top of the slide out tight against the top of the RV
Check the under-slide area for proper routing of wires or cables.
Confirm that nothing rubs on the tires (parts of the slide, wiring, insulation, Etc.) when the slide is retracted.

Findings _____

Awning and Step operation: Ck. The operation of each awning and automatic step. Ck. The operation of all manual awnings. If equipped with wind sensors then ck. With compressed air while awning is extended.

Findings _____

Inside Fit and Finish

Pass Fail

Cabinets: Inspect outside of all cabinets for scratch's nicks, loose handles. Ck. That all hinges and latches operate properly. Pull drawers all the way out several times. Try to open them like road vibration would. Ck. For water leaks and make sure wires and pipes are fastened securely. Ck. The lining to see that it is

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attached securely.

Findings _____



Lighting: Operate every lightswitch. Operate battery disconnect switches and understand their function.

Use the monitor panel to check battery levels.

(at this point, only 12V lighting can be tested, as the unit is NOT connected to shore power yet)

be sure to check ac operation

Findings _____



Closets: Ck. The operation of all doors and their alignment.

Ck. That hanger rods are securely fastened. Ck. All closet lighting and switches that are provided.

Findings _____



Furniture: Ck. Furniture for construction, upholstery, pattern and cloth matching. Ck. Out sofa by making into bed.

Insure that special for moving one sofa, removing one sofa, and adding two recliners has been done.

Insure understanding of how moved sofa works with slideout.

Ck. Closely the drivers and passenger seats. Inspect all seat belts. Locate all other passenger seat belts.

Insure cockpit seats swivel to face salon

Findings _____



Blinds: Operate all blinds and ck. Alignment.

Ck. All valances and trim for security. Ck. Pull drapes that cover windshield for operation.

Insure special fo midnight color day night shades is in bedromm

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Insure standard color day night shades in rest of coach

Findings _____



Counter Tops: Ck. All countertops for alignment and fastening.
Ck. All trim pieces are there and tight. Ck. Caulking for quality
anywhere water is possible. Ck. Installation of sinks and faucets.

Findings _____



Windows: Operate every window and window locks. Inspect
and Operate each emergency window. Locks and latches
should work freely but securely.

Determine location of emergency windows
Findings _____



Floor Coverings: Ck. All carpeting and floor coverings to see
that it is properly fastened down.
Especially check carpet fastening in corners.
Check areas that slide outs may roll over for pulled threads, cuts or other problems.
ck wood plank flooring for defects.
Ck. Grout in tile flooring is
complete and clean. Especially under any sliding cabinets.

Findings _____



Wall Coverings: Ck. All coverings to insure joints meet.
Ck. For nicks, scratches, tears. Order extra fabric, carpet and
wallpaper for future small repairs or modifications.
Look for any discoloration or patch jobs that may cover hidden problems.

Findings _____

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Operational Test of Home Systems

Shore Power

Now is the time to connect up to shore power.

Pull out all of the AC cord, confirm the length and inspect the plug for proper attachment. check any 110V lighting and switches

If you have a 110V receptacle tester, check all outlets for proper wiring/polarity

Find the GFI-protected outlet and test using the push button.

Understand which receptacles "down stream" from the GFI are protected

Findings _____

Generator:

Check out the compartment that holds the generator closely to insure that everything is tight and rattle free

Make sure the exhaust from the generator is not directly under any slide out or window that might be used for ventilation

Check slide operation

Learn how to start & stop generator. Know where the remote stations are located and how they work. Start the generator and listen for unusual noises or vibrations.

Understand any power relays and test incoming ac power prior to cutting through. Ck. The electrical status panel. Put load on generator by running microwave, turn on and off all ac powered lights. Leave generator running.

Findings _____

Inverter/converter/charger: Understand the operation. Have PDI person explain the function of all controls, displays, lights.

Ck. That house batteries are being charged. Now shut down generator. Leave inverter in on position. Ck. To see that inverter took over all ac voltages. Test by turning on microwave for a minute. Turn on TV and leave on for rest of inspection.

Make sure that there is a written list of the loads connected to each fuse or breaker

Findings _____

Water Pump: Insure that fresh water tank has water. Turn on pump and listen for pump to start. After pump stops open faucet and let run till pump starts then close faucet. Ck. For noisy, vibrating or making irritating sounds.

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Findings _____



City Water system

Turn off the pump, connect up to city water (use a regulator if overly high pressure is suspected) and confirm that the connection works correctly
Look for leaks under sinks and confirm the operation of all fixtures.

Findings _____



Tankage

Re-fill the fresh water tank if necessary and run water into the gray tank to verify the gauge reading and that there are no leaks
Filling the gray tank until water comes up in the shower will make it easier to find leaks inside & out
Check for leaks (if the toilet is installed correctly, there will be no leaks!) You can fill the black water tank by using the tank flushing system
Check the gauges for accuracy while you are filling
Drain the gray and black water tanks using the sewer hose or the garden hose adapter.

Findings _____



Water Heater: Test operation on propane. Test operation on ac. With no shore power and generator off you should see the dc lights dim. Turn off water heater when done.
If your unit is so equipped, understand the operation of the bypass valves for winterizing.
Confirm that hot (or warm water depending on how long the water heater has been on) comes out of the hot tap at the various sinks.

Findings _____



Furnace: Understand the operation of the thermostat as it relates to heating and cooling. Ck. The operation of the furnace.
You should have heat coming from all vents after a few minutes.
Ck. For the smell of material getting hot or exhaust.

Findings _____



LP, Carbon Monoxide, Smoke Alarms: Have PDI person test each one of these items and explain how you can test them.
If one of these alarms fails this test, stop and make them fix before continuing as these are life savers.

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The PDI person should have a small canister of gas that can be sprayed at the alarm to test its operation.

Findings _____



Refrigerator: Understand the controls and status lights.

Set unit to propane and ck. Outside to see that heating column is lit and heating. Set temperature to highest setting and come back and see if coils are cooling after about 10 min.

Findings _____



TV VCR Antenna & Swithing: Test the switching system that allows viewing of channels on front and back TV's. Test the raising, lowering and rotating of the TV antenna system. If you have DSS satellite system test it out. Understand the operation of all remotes.

- Test portqble TV at lower bay entertainment center
- Test bedroom TV
- Test DVD player
- Test CB radio
- Test amfm radio
- Test speaker switching
- Test sub woofer
- Test continuity of cable inlet, and sat Internet inlets

Findings _____



Air Conditioners: Start the generator and verify that the ac control system switches the ac over to the coach. Ck. That the inverter switched to charging mode. After generator has settled down turn on Front AC after a few minutes cool air should be coming out vents. Turn on back AC and after a few minutes cool air should be coming out. Switch both unit over to heat mode and ck. For heat after a few minutes. Insure that air comes from all vents. Leave running.

Check operation (heating and cooling) of zone controls

Findings _____

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Air Vents: Ck. The operation of both kitchen and bath vents.
Ck. That both vents close and retract tightly.
Test rain operation of fantastic vent

Findings _____

Microwave: With both AC's running heat cup of water for 3 minutes. Generator should hold strong and water should be hot.
Ck. For unusual sounds from microwave.

Findings _____

Propane Stove: Ck. Operation of one burner while microwave is still running. Turn on other burners and note if there is adequate propane flow to burners. NOTE: whether AC interferes with there operation. Operate the oven.

Findings _____

Vehicle Operating Test

Pass Fail

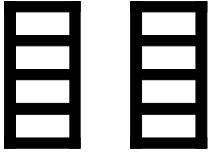
Before doing any of the following tests do a quick walk around coach to check clearance in all directions.

Cockpit

Test each control for seats and mirrors.
Test adjustment of steering wheel.
Have PDI person explain anything you don't fully understand.
Check electric mirror adjust and mirror defrost

Findings _____

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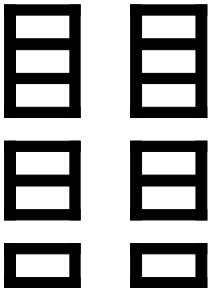
Instrumentation

- Turn on Ignition but don't start motor.
- Test each gauge and know what their normal operating range is.
- Ck. All lights and alarms.
- Ck. Rear monitor and test all its controls.
- Have PDI person explain fully how each control and light operates and what they mean. Explain how to apply 4-way flashers.

Findings _____

Start Engine

- Most modern diesel engines require waiting until a "Wait to Start" status light goes out. This delay gives the control system a chance to get fuel pressure and other things lined up so that the engine will start easily.
- Turn the ignition to the start position and crank the engine.
- It should start easily within 2 seconds and you should watch the oil pressure gauge to make sure that oil pressure is present with 1 second (maximum 3 seconds) of starting.
- If no oil pressure is present, immediately shut the engine down.
- With the engine operating, check to see that the voltage gauge on the dash is registering at least 13.2 volts, which verifies that the engine alternator is operating.
- Now check the air gauges if you have air brakes, and you should see a steady generation of air pressure that peaks at about 120 psi when you hear the air dryer in the engine compartment give out a psssst sound.
- There should be no warning lights illuminated on the dash at this time.



- Wait till "Wait to Start" light goes out.
- Start vehicle (it should start within 2 to 4 seconds)
- Ck. Oil pressure is within normal range.(no oil pressure shutdown now.)
- Ck. Voltage gauge (should read 13.2 volts)
- Ck. Air pressure gauge (should come up to 120 psi and remain steady.)
- Ck. That all warning lights have went out.

Findings _____



Dash Air & Heating

- Test dash AC and related vents
- Test dash heat and related vents
- Test dash mounted fans if so equipped.

Findings _____

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Air System Test

Test air suspension system
Have PDI person fully explain how this is done on your coach.
Test air leveling system.
Have PDI person fully explain how this is done on your coach.
Test Emergency brake
With Emergency brake applied put in drive and try to pull forward
1200rpm coach should not move. Put back in Park.
Test Braking
Release emergency brake and pull forward slowly and apply
brakes firmly. Coach should stop immediately. Reset
emergency brake. Pump brakes repeatedly till air pressure
drops to 90psi.
Ck. That air recovers to 120psi.
Turn off vehicle.

Pump brakes till warning beeper sounds between 90psi & 60psi

If any of these tests fail don't drive vehicle till fixed...

Findings _____

Hydraulic Brakes

Apply Parking brake and put in drive, apply lightly on throttle.
Coach should not move at all.

Findings _____

**If everything in vehicle Operating Test
is checked pass you are ready to take it out for
test drive. If anything is checked fail then have it
fixed first.**

Road Test

Ck. Handling and steering wheel movement needed to maintain
lane.
Ck. For noises from engine, transmission, flapping awnings.
Ck. Engine brake operation.
Ck. Instrumentation for normal readings.
Ck. For road noises, vibrations and wind noises around door.
Camp at factory or dealers lot over night to test living facilities
and to allow any needed repairs to be done.

Note:

If any wheels valve stems are turned so that you can not access them to check the

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tire pressure. Now is the time to have the dealer correct this. Also you may want to consider having valve stem extensions put on rear wheels if needed.

Prior to PDI date it is recommended that you go to the NHTSA website and do a search for any recalls that maybe applicable to your coach. This will allow you to verify that these items have been completed before you take ownership. Keep in mind that these are safety items and should be of the highest priority for you and your familys safety.