

“Oh, So
Steamy!”

**STEAM
GENERATOR
CAR**



“Oh, So Steamy!” STEAM GENERATOR CAR

Thank you for purchasing this Steam Genny. Two years of research and development have gone into this model, and we are confident that you will be happy with it. As this is the first ever operating Steam Genny in model railroading history, there are sure to be ways we can improve it. Please feel free to contact us at the number below to share your experiences with the Steam Genny and let us know how we can make it better.

BEAUTIFUL PHOTOGRAPHS

The photo on the page above shows the effects that you can achieve when photographing your Steam Genny. This was a simple one second exposure using a point-and-shoot digital camera, and it nicely captures the feeling of 20th century railroading. In those days, passenger trains were heated by steam. Steam was always visible in photos taken during cold weather, escaping from the steam connections or being blown out by the Steam Separator Blowdown Valves. With the “Oh, So Steamy!” Steam Generator Car you can relive those fond memories on your layout and in photographs of your models. Please share your efforts with us. We want to see your photos!

If you have any questions or concerns about your Steam Genny or any of our other products, please call, write or email us. Detailed instructions start on the next page.

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Only at...

www.rapidotrains.com

Rapido Trains Inc.
445 Edgeley Boulevard, Unit 1
Concord, Ontario
L4K 4G1
Canada

Tel. (905) 738-6445 - Toll Free 1-877-738-6445
Fax. (905) 738-6265
Email. trains@rapidotrains.com

OPERATING INSTRUCTIONS

HOW DOES IT WORK?

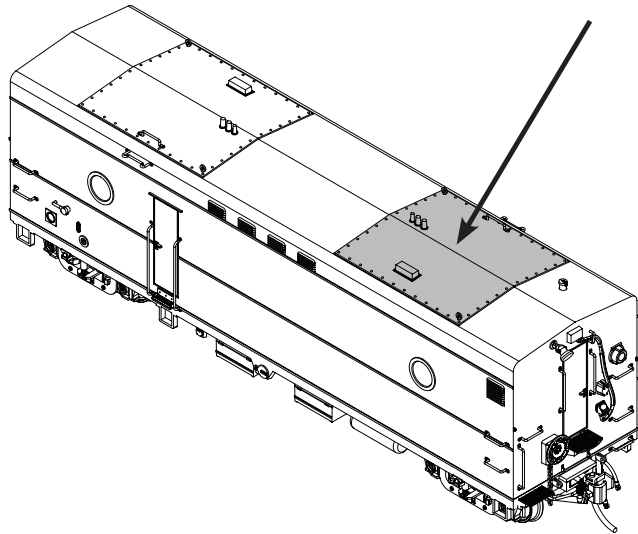
Inside your Steam Genny is a small boiler. Steam fluid is added to the boiler, and when it is heated, the steam fluid exits the Steam Genny near the Separator Blowdown Funnel underneath the car in the form of "steam." This is a variation of the same technology that has been used in model steam locomotives for almost a century. The steam fluid is white oil, and is safe for use despite the smell. See safety and liability information on page 7.

Your Steam Genny can run on your layout straight out of the box. Just add the steam connectors (included) to the steam lines at each end of the car. Mechanical switches to operate both the steam and the lights are located under the roof. The default setting is "off."

REMOVE THE ROOF HATCH

The steam fluid filler hatch and the switches to operate the boiler and lights are hidden beneath the "B" end roof hatch. The "B" end of the Steam Genny is the one with the brake wheel. To remove the hatch, simply touch the magnet end of the Rapido Lighter to the center of the hatch and lift it out. If you do not have your Rapido Lighter handy, you can lift the hatch by putting your fingernail or a small flat screwdriver under the grab iron and gently lifting it up.

CAUTION: if you open the roof hatch while the boiler is on or within one hour of use, the filler hatch cap and surrounding area may be hot. Please use caution and common sense to avoid injury.



FILL THE BOILER

To fill the boiler, remove the metal cap from the center of the printed circuit board. Using the syringe attachment on the steam fluid bottle, put approximately 12 drops of steam fluid into the filler hole. If you spill any steam fluid, clean it up with a lint-free cloth. Replace the cap. We strongly recommend using Rapido Steam Fluid (#102007) as it has the correct viscosity for our boiler. Use of any other steam fluid will void your warranty as it may damage the circuitry, melt the car or make you sick. You can order more Rapido Steam Fluid using the enclosed order form.

The switch marked "STEAM" turns the boiler on. The switch marked "LIGHT" turns the Steam Genny's exterior lights on. To be prototypical, these lights should be on for yard moves or backup moves but should not be lit at any other time.

We used mechanical switches instead of our "Easy-Peasy" magnetic reed switches as a safety precaution.

After turning on the boiler, steam will start to appear on DCC layouts within one minute. On DC layouts, the boiler will be hot enough to start generating steam at approximately 7 volts, with best results at 12 volts.

Your "Oh, So Steamy!" Steam Generator Car is guaranteed to work within normal parameters up to a maximum of 16V DC

or DCC. Use of voltage higher than 16V may cause the Steam Genny to melt, and that isn't covered by the warranty.

VERY IMPORTANT!

DO NOT FORGET TO TURN THE BOILER OFF!

If you leave the boiler on for more than three hours, the Steam Genny may melt and/or cause a fire in your layout room. If you are operating on a display layout, it is recommended that you turn off the boiler for one hour after every three hours of use.

TRANSPORTATION AND STORAGE OF YOUR STEAM GENNY

Store your Steam Genny upright. If the Steam Genny is placed on its side or upside down, the boiler might leak. If you plan to transport your Steam Genny, it is recommended that you operate it until the boiler runs dry and steam no longer comes out. However, there will still be some residual fluid in the boiler which will likely leak out in transport unless the Steam Genny remains upright. Take the following precautions:

- Separate your Steam Genny from your other rolling stock.
- Wrap your Steam Genny in a paper towel or a clean, absorbent rag.
- Place the wrapped Steam Genny in a sealed freezer bag.

If the steam fluid leaks, you will see it as shiny patches on the car body. It can be wiped off with a lint-free cloth. As long as you don't leave it on too long, it won't damage the paint finish.

PLAY SAFE

The "Oh, So Steamy!" Steam Generator Car is not a toy for children and should not be operated by any person under the age of 14.

When the boiler is running, the Steam Genny will get warm. This is OK. If the boiler has been on for less than three hours but the Steam Genny gets too hot to touch or starts to melt, **remove the Steam Genny from the power supply IMMEDIATELY**. Contact us to discuss it as you may need a replacement (if available). If the Steam Genny was dropped or roughly handled, the circuitry may have been damaged, causing the overheating. In that case, we will do our best to help out but we can't guarantee a replacement.

The steam fluid is white oil. White oil is used in food preparation and as a laxative, but we highly recommend that you **DO NOT DRINK IT**. White oil can smell pretty awful when heated and prolonged exposure to the smell may cause headaches, nausea or other ill health effects. Be sure to operate your Steam Genny in a well-ventilated area. If your layout room is not well ventilated, we recommend you run the boiler for no more than five minutes

at a time. The white oil used in the "Oh, So Steamy!" Steam Generator Car steam fluid fulfills the requirements according to FDA regulation 21 CFR 172.878 and FDA regulation 21 CFR 178.3620(a).

If it is necessary to touch the exterior of your Steam Genny after filling the boiler with steam fluid, we recommend that you wash your hands with soap and water first, and pick up the Steam Genny with a lint-free cloth or cotton gloves to avoid getting steam fluid onto the exterior shell. It is possible to refill the boiler without touching the exterior at all.

Do not touch the underside of the Steam Genny when the boiler is operating. Do not block or clog the steam outlet. Exercise caution when removing the steam filler cap, as it and the surrounding area may be hot.

STEAM FLUID FIRST AID

- Eye Contact: Wash eyes thoroughly with clean water and seek medical assistance.
- Skin Contact: Clean up with soap and water.
- Inhalation: If you start to feel nauseous or dizzy, turn off the boiler and seek medical assistance.
- Ingestion: Seek medical assistance, and expect to go to the bathroom. A lot.

TROUBLESHOOTING

If you have added steam fluid and no steam appears:

- Check that sufficient voltage is being supplied to the track. The steam will only start at approx. 7V DC, or just past the midpoint on most DC power packs.
- Check that the steam switch in the roof is set to "ON."
- The boiler may have too much steam fluid. Use a syringe to suck out all of the steam fluid and then start again by adding 12 drops. Do not syphon by mouth.
- The boiler may have some thick oil build up at the bottom. Remove the roof hatch but keep the filler hatch cap on. Hold the Steam Genny in a lint-free cloth or paper towel, making sure the roof is covered. Turn it upside down and shake it around, keeping your finger pressed firmly on the filler hatch cap. Don't be too violent, but don't be too wimpy either.

OBLIGATORY LIABILITY INFORMATION

Operation of the "Oh, So Steamy!" Steam Generator Car is entirely at your own risk. Rapido Trains Inc. will not be held liable for any damage to persons or property caused by operation of the "Oh, So Steamy!" Steam Generator Car. Rapido Trains Inc. will not be held liable for any ill health effects caused by ingesting or inhaling the steam fluid. If you leave it on when you go on

vacation and your house burns down as a result, we sympathize but we won't buy you a new house.

WARRANTY INFORMATION

Like all Rapido Trains Inc. products, your Steam Genny comes with a limited lifetime warranty. If it does not operate as it should or has parts missing or damaged, we will send you the necessary parts or repair/replace your Steam Genny provided that we have the necessary inventory and/or parts available. Extra window glazing is included in the box in case your windows get fogged up by the steam. If you damage your Steam Genny, give us a shout as we will be happy to send you the parts to fix it provided that they are available. Our goal is 100% customer satisfaction, so even if the problem is "your fault," we will still try to help in any way we can. For all warranty issues, please contact us by telephone or email.

ACKNOWLEDGEMENTS

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