

http://www.trainaidsa.com

Updated: June 2008

Dear Customer,

We thank you for your business with TrainAidsA. You are receiving this as confirmation that your items have been shipped. We strongly advise you to read below the section/s relevant to the items you have ordered.

Please also note that follow up orders can be made directly to us by email or via the shopping cart in our redesigned web site. We encourage you to spread the word about our products to your friends and fellow hobbyists.

From replacement LEDs for old Locomotives to lighting strips, most of which have been designed by you, our customers, there are a lot of interesting items on our website. Most of them are not available at hobby stores. Please keep visiting our site as eBay does not permit our site to be advertised along with our products.

If you have handled challenges in a unique way or have a very creative solution or design, we would be happy to receive pictures of how you have used our product. We may put that information/pictures etc. on our web site for others to enjoy. A very short how you did it write up would be helpful.

We welcome your suggestions on new products and hope for an opportunity to do business with you again soon.

Sincerely,

The TrainAidsA Team

Disclaimer:
Products sold by TrainAidsA are designed and created for the convenience of hobbyists and modellers to assist them in their pastime. TrainAidsA expects the items to perform as designed, but does not guarantee performance as each user has different environments and devices and products perform differently in different situations. Most items will need experimentation and testing to enable the user to decide the product's suitability and installation.

In case of any accidental damage to, or by, any product sold by TrainAidsA, TrainAidsA does not accept any liability other than replacement of item supplied by TrainAidsA. The damaged TrainAidsA item would need to be returned at no cost to TrainAidsA and a replacement will be provided as soon as practically possible, if the product is still sold by TrainAidsA.

We may make changes to the products and design of the products sold by TrainAidsA, including prices and descriptions, of any product, at any time and from time to time without notice.

All products may not be in stock at all times.

This document is NOT A COMPLETE GUIDE. For other available technical & general information we have for you, please see the Support section on our web site.

We suggest that you glance through the following recently updated sections in the Support section at: "http://www.trainaidsa.com/support.html"

LEDs & LED Products:
If your order includes an S-50, the long LED rigid bar, it may be coming separately as it is packed in a shipping tube. If you are overseas, the tube may have been cut for packing to meet dimension regulations of some countries.

For your guidance, here are some reminders:

If your items include LEDs with wire leads, then the black lead is negative and the colored one is positive. Please test if this is correct. If it is not for some reason, please make a note of it on each LED using a label and attaching it to the wire, for your reference, during installation. LEDs are polarity sensitive.

The black shrink wrap that protects the resistor soldered inside, can be cut off with a very sharp blade to expose more of the LED or more of the wire as needed. But be careful as you may cut the fine wire.

The **S12 LED strips** are designed for 12v as the operating voltage though 6v to 19v is not expected to harm the LEDs. They give lower intensity light at lower voltages. If you are unsure, please check the voltage at the point where you are planning to connect the LEDs. You can also use our VR2 device to adjust the voltage to 6, 7, 8, 9, 10, 11 or 12v as needed.

If you wish to, you may reduce the intensity of the illumination by adding a resistance in the power input (positive side) and adjust the resistance value to achieve the correct level, or by lowering the voltage a bit.

If the LED is a strip, the positive and negative feeds are marked at every cutting point. The strip can also be cut with a fine hobby saw at those markings. The positive and the negative feed can be connected to **ANY** of the positive and **ANY** of the negative feed points respectively, **anywhere** on the strip. **See diagrams on our SUPPORT page.** Strips can be cut and reconnected in series. These strips are designed for optimum performance at 12v or 5v as per the model, but they will work with lower voltages too. For example the 12v strips works upto 6v. However, the level of illumination will reduce proportionate to the reduction in voltage.

In case of a **flexible strip**, we suggest the use of a pair of scissors for cutting. Each such cut part would normally behave as an independent strip if cut clean at the cutting mark. S12 strips are designed for optimum performance at 12v, but they will work with lower voltages upto 6v. However, the level of illumination will reduce proportionate to the reduction in voltage.

When mounting strips in metallic bodies of passenger cars, please protect the contact surfaces as the rear of the strip has exposed solder points. Contact with metal body will create a short and may damage your equipment and the strip.

If the LEDs are with metal base, screw or bayonet mount types, the central contact at the bottom is the positive and the sides are negative. C5 LEDs with reverse polarity are also available. See our site.

We encourage you to spread the word about our products and our web site to your friends and fellow hobbyists.

Screws:

Please note that the screws may be slightly oily as received from the plant to reduce chances of rusting during shipment and storage. We advise you to transfer them to some other container for convenience.

Conductive Paint:

For safety and application information please visit:

http://www.trainaidsa.com/support-conductives.html

If you have ordered **Conductive Paint** , or **Solder5** you would most probably be receiving it separately from other items we sell, as it is shipped First ClassSurface Mail . The metallic element settles down on storage. Please keep the bottles properly sealed in a reasonably cool place.

The shipment contains two bottles. The second one is the solvent which is included to assist you in cleaning the applicators/brushes, or diluting if the Paint/Solder5 becomes too thick.

PLEASE SHAKE WELL EVERY TIME JUST BEFORE & DURING USE UNTIL THE COLOR IS UNIFORM. Uniform Color indicates thorough mixing. Solder5 is very viscous and requires a lot of shaking. You may add a drop or two of the solvent to help in mixing.

Use a toothpick, a pin, a fine glass rod or any other non plastic item to draw the line/trace. A line can also be drawn by making dots close to each other and joining them.

In some cases, you may need to thicken the Paint. We suggest that you take out the desired amount into a small dish or a bottle cap and expose to atmosphere for a very short while. The paint will thicken as it dries. Note that in such a situation, it dries very fast. Once it has been applied, drying time can be reduced by using hot air or exposing to some heat, e.g. by a blow dryer.

Please do not let the Conductive Paint or Solder5 to get completely dry in the bottle as this allows the **glue/adhesive** component also to dry up. If that happens, even adding solvent would not help.

A minimal amount of dilution in has been done in the Conductive Paint to compensate for possible thickening while in storage. Dilution just to thin the paint or Solder5 for ease of use, should be undertaken with care, as that also reduces the product's adhesiveness as well as conductivity.

Both items should be protected from exposure to air as they are highly evaporative and preferably kept in dark or protected from light.

In case of emergency, please provide the same treatment as you would to a person who has been exposed to Nail Polish Remover or visit the Support Section on our site for Conductives as mentioned above on this page, for more detailed information.

Solder5:

More information on our Support site. **Please read that first.** This is very similar to the Paint but with stronger adhesive strength. Please note that this is a close substitute and a workable alternative for soldering/connecting where a hot iron is not convenient. It is however, NOT solder, but can be used for a similar task.

Conductive Thread (Discontinued Item) :

Please note that it is a Polyester Thread with a Silver fiber for conductivity. So it is not insulated. It is also antistatic. It may fray at the place where it is cut as threads do. Please avoid using that part as much as possible. We add a few inches in each length to compensate for that. If you require longer lengths for any purpose, feel free to contact us. This item may not be available at all times.

Fulgurex Motors:

Each motor is packed with instructions inside straight from the manufacturer. For some more visual information, please visit: http://www.trainaidsa.com/support-motors.html, or the manufacturers site at http://www.fulgurex.ch

Elektrizmos:

If you have purchased **VR1A** or **VR2**, our voltage adapters, for further information on these, please visit the support site at:

http://www.trainaidsa.com/support-elektrizmos.html

Backorders:

If you have not received all the items that were ordered, the items would be on backorder. They will be shipped to you as soon as we receive them at no additional cost to you for shipping & handling.

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Please experiment and test these products separately prior to use on an actual project and decide their suitability to your needs and specific situations. Products sold by TrainAidsA are designed and created for the convenience of hobbyists and modellers to assist them in their pastime. TrainAidsA expects the items to perform as designed, but does not guarantee performance as each user has different environments and devices and products perform differently in different situations. Most items will need experimentation and testing to enable the user to decide the product's suitability. In case of any accidental damage to, or by, any product sold by TrainAidsA, TrainAidsA does not accept any liability other than replacement of item supplied by TrainAidsA. We may make changes to the products and design of the products sold by TrainAidsA, including prices and descriptions, of any product listed, at any time and from time to time without notice. We reserve the sole right to either modify or discontinue the products listed on our Site, in whole or in part, including any features therein, at any time and from time to time without notice. This site could include technical or other mistakes, inaccuracies, or typographical errors.