

Instruction Manual



**DSP&P 2-8-0
Electric**



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 **ACCUCRAFT TRAINS**
MUSEUM QUALITY BRASS MODELS

DSP&P 2-8-0 Electric



Prototype Information

Thank you for choosing ACCUCRAFT TRAINS for your large scale modeling. Your selection is an accurate scale model of the DSP&P 2-8-0's locomotive, handcrafted in brass and is a precision piece of equipment. As with all fine equipment, your locomotive must be properly maintained and cared for.

The "DSP&P 2-8-0" is one of the most famous narrow gauge locomotives of Colorado Narrow Gauge. For decades, the highly successfully 2-8-0 Consolidation Class was the "Standard motive power" of the narrow gauge railroad.

Every version of the "DSP&P 2-8-0" is built to exact standards from meticulously researched plans and prototype measurements. All models are entirely constructed with brass and stainless steel. Each "DSP&P 2-8-0" is meticulously detailed and lettered to a museum-quality finish.

Total production is very limited and each has been labeled with a serial number on the bottom of the locomotive.

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Preparing the engine

Some assembly may be required:

- A. Stack
- B. Detail Parts - Safety Valve & Whistle



Lubrication

Lubricants: always use quality lubricants!

Light oil such as Labelle #108 or Whal Clipper Oil. Heavy lubricant such as Labelle #102 heavy gear oil or Labelle grease.

Prepare the engine for lubrication by placing the model gently on the work surface. To protect the locomotive finish, place the engine on a piece of foam sheet or soft towel. The engine should be placed on its side. Be careful to keep the lubricant off of the painted surfaces, as this can leave a shiny appearance on the area it touches.

1. First lube the bearings on the driver journals with a small amount of light lube oil. The oil is easily applied with a wood tooth pick.

2. Next lube the U-Joints with heavy lube oil and tender journals with light machine oil.

3. Next lube the CRANK SHAFT JOURNALS, MAIN ROD BEARINGS AND CROSSHEAD with light machine oil.

4. THE MAIN GEAR BOX IS FULLY LUBRICATED AT THE FACTORY. NO LUBRICATION IS NECESSARY WHEN YOU RECEIVE YOUR MODEL. To lube the main gear box, remove the cover of the gear box carefully (make sure you familiarize yourself with the position of all parts). Place the screws in a small container to prevent losing them. Grease the gearing and shaft bearings generously. Replace the cover exactly the way it was when you started.

It is a good idea to wipe off all excess light oil when you complete the lubrication process.

You have now completed the lubrication of your Accucraft "Consolidation".

THIS LUBRICATION SHOULD BE REPEATED AFTER EVERY 25 HOURS OF OPERATION!

After following the recommended lubrication procedures, your "DSP&P 2-8-0" is ready to provide many years



of enjoyment and reliable operation. We recommend that you use a D.C power supply with a capacity of 2.5 amps or larger and 24 volts.

Always pick your model up by grasping it under the frame on both ends. It is a very heavy model so make sure that you grasp it firmly.

Sound Installation

Phoenix and Sierra provide sound units for this model. Please contact them for installation directions. ***Sound Installation (not included)***

General maintenance

Clean the exterior surfaces of your locomotive with a clean, soft and lint free cloth.

The following parts are packaged separately

- M2 hex head screws
- 3 mm hex head screw driver
- Whistle pull cord



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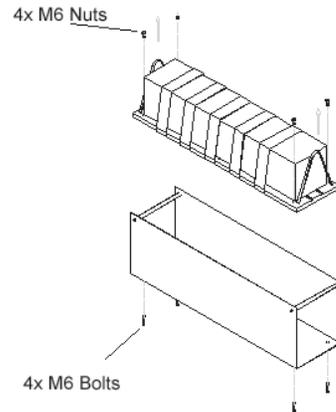


Accucraft Trains locomotives are fine scale brass models with small parts. To provide maximum protection from shipping damage, we carefully pack the models in metal cases. We ship via UPS with insurance coverage to its full value. Please contact UPS if package is damaged.

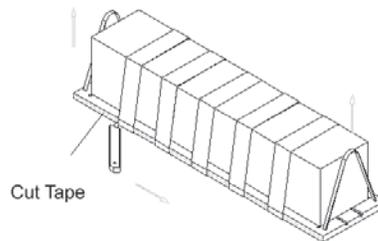
Each locomotive is packed under UPS guideline for shipping. We do not warrant any damage resulted from re-packaging by any party other than Accucraft Trains.

Please read following directions before unpacking your locomotive.

1. Lift the metal case from the cardboard box.
2. The locomotive is firmly taped to a 1/2" wood board which is then fastened to the metal case with 4 M6 bolts. Bolts must be removed before lifting the locomotive with wood board from the metal case.



3. Place taped locomotive on a flat surface. Carefully cut the tape along the wood board side surface. Be sure to cut both sides of the wood board. Slowly lift the tape from the locomotive. Be very careful with small parts. Tape cannot be re-used to re-pack the model. Use new packing tape if necessary.



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Technical Specifications

Accucraft scale couplers are compatible with Kadee #835 couplers.

Scale/Gauge: 1/20.3, 45 mm Gauge

Length: 34 in. (746 mm)

Width: 4.9 in. (118 mm)

Height: 7.5 in. (182 mm)

Minimum Radius: 48 ins. 0.76 M

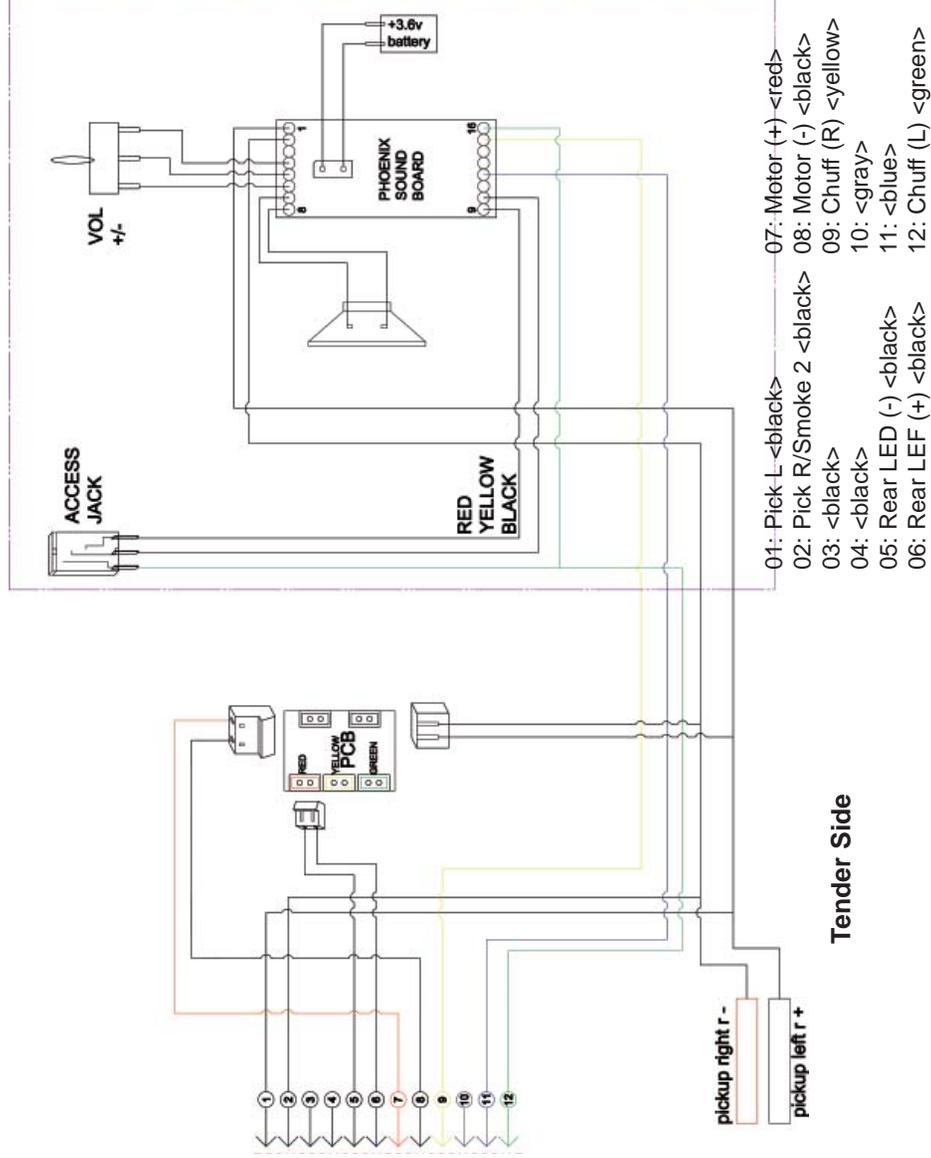
Power: 0-24V DC

Features: Constant Lighting
Sound Ready

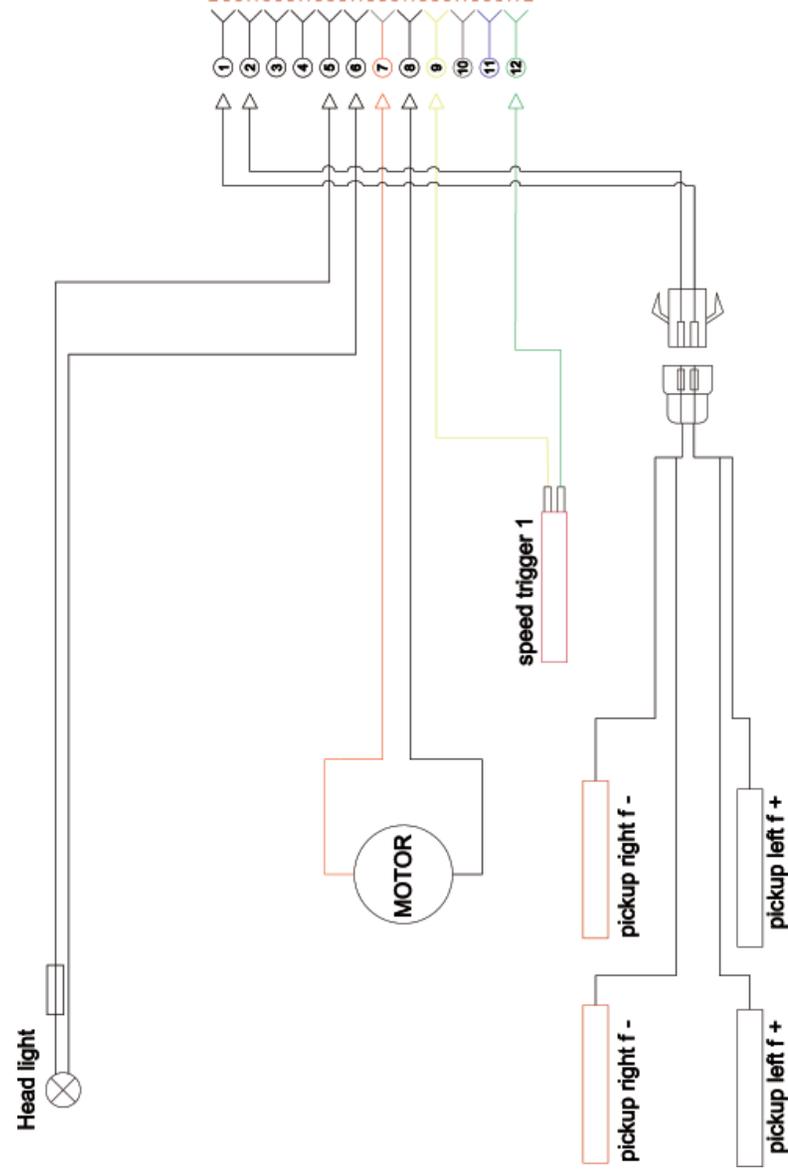
Caution!

This model is an accurate replica of the original locomotive. It has sharp and moving parts. The locomotive drive rods are stainless steel with sharp edges. **AT ANY TIME, OPERATORS MUST NOT COME IN CONTACT WITH THE MODEL WHILE IT IS POWERED. UNDER NO CIRCUMSTANCES SHALL ACCUCRAFT TRAINS BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING IN REGARD TO ANY ACCUCRAFT PRODUCT.**

*Be sure to leave at least 3" clearance (measured from the inner rail) to allow for overhang.



Tender Side



Loco Side