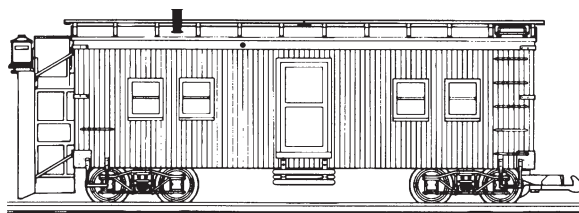




# ROTARY SNOW PLOW



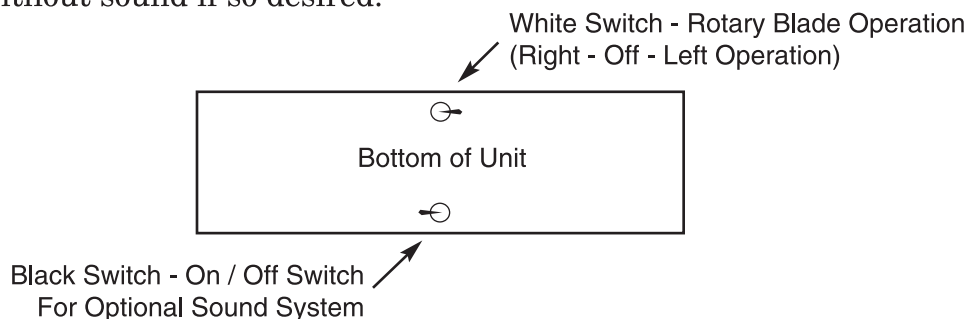
Congratulations on your purchase of the R-2100 D&RGW Operating Rotary Snow Plow. Rotary Snow Plows were first used on the D&RGW in the late 1800's and continued in service until the mid 1950's. USA Trains brings these Rotary Snow Plows to your G Scale model railroad. All the features of the "Real" Rotary Snow Plow are featured in this highly detailed model - bi-directional snow blades, operating headlight, working smoke stack and interior lighting. The optional steam-boiler-sound system adds realistic sound to your model. A great deal of time and effort went into bringing you this model and we hope you have many hours of enjoyment.

Sincerely

Charles Ro Sr., President

## OPERATION

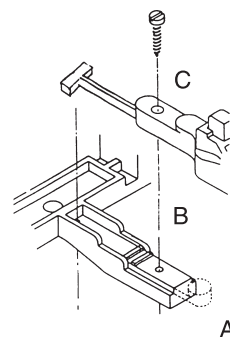
- **Rotary Blade Direction:** The white switch on the bottom of the unit controls the direction of the rotary blade rotation. Forward and backward switch positions rotate the blade in different directions while center position turns the blade off.
- **Optional Sound System:** The black switch on the bottom turns on/off the sound units so you can operate it without sound if so desired.



- **Smoke Unit:** Pour Seuthe Smoke Fluid directly into stack. Do not fill more than half way as it will burn out stack.

## ASSEMBLY

- **Handrails/Steps:** Insert handrails/steps into proper holes provided on the sides of the Rotary Snow Plow. Since our products are painted, some holes might be a little tight. The hole can be opened up slightly using a #49 drill bit or a #11 Exacto Knife.
- **Knuckle Coupler (Optional):**
  - Remove Hook & Loop coupler
  - Clip tab "A" from end of tongue and file smooth
  - Attach USA knuckle coupler "B" with #4 screw (C) provided.

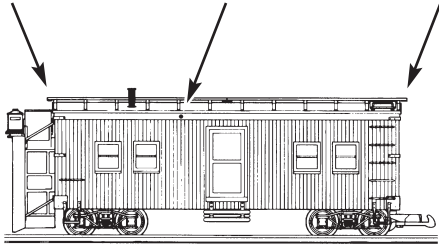


## MAINTENANCE

- **Lubrication:** Your rotary snowplow was lubricated prior to shipment. After each 25 hours of operation, please lubricate as follows:

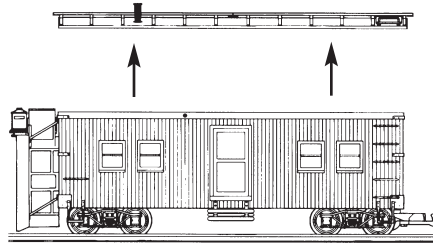
### STEP 1

Remove 4 screws holding roof on plow



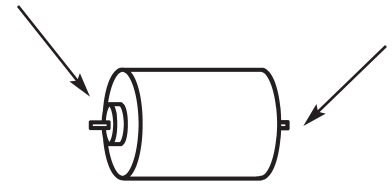
### STEP 2

Gently lift off roof, careful not to pull off interior wires



### STEP 3

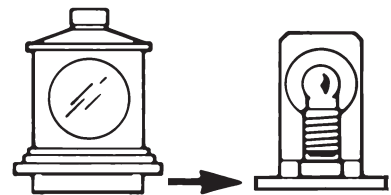
Lightly oil in the following places (see recommended oil below)



Motor

**NOTE:** We recommend use of a light oil such as Labelle #108. **Do not** over lubricate - only one drop of oil is needed at each point.

- **Headlight Bulb Replacement:** Obtain replacement bulb from USA Trains. Gently slide headlight housing forward until removed. Slide out bulb socket and unscrew bulb. Replace bulb and slide housing back in place.



## CAUTION - ELECTRIC MODEL TRAIN CAUTION - MOVING PARTS

Not recommended for children under twelve years of age. As with all electric products, precautions should be observed during handling and use to reduce the risk of electric shock.

Transformer ratings - input: 120 VAC 60 Hz only. DC at 7-19 V.

The R-2100 Rotary Snow Plow features moving parts which should not be contacted with any object, or touched under any circumstance during operation. The track should remain clear and free of any objects in order to avoid contact with snow plow.

Safety glasses or goggles should be worn at all times when the snow plow is operating.

Do not tamper with the snow plow's internal equipment or motor. If the model train is not operating correctly, contact USA Trains directly at 662 Cross Street, Malden, Massachusetts, 02148.

Do not place fingers into the openings above the rotary blade or directly into the rotary blade.

This model train is not intended to blow any object and should not be used for such a purpose.

**ATTENTION** - Read these and all instructions and warnings prior to using your new R-2100 Rotary Snow Plow