

RAILROAD ART

1200 Greystone Road
P.O. Box 1000
St. Louis, MO 63103

H-39 Assembly Instructions

Tools Required:

Styrene Cement Side Cutters File Screwdriver Paint Thinner Paintbrush

1. Review & become familiar with parts as diagramed. **Read the instructions completely before starting. Then remove the parts from the sprues as needed.**

IMPORTANT: CUT, DO NOT TWIST PARTS FROM THE SPRUES!

2. Assemble the end braces (#1A & #1B) as shown. The open portion of the angle goes to the inside. Set aside.
3. Install the ladders (#2). Be particularly careful when removing the ladders from the sprues as they are the most fragile component of the car. (Omit this step if you intend to install individual grab irons.)
4. Install Brake housing (#3). Install brake wheel (#4). Fold the brake platform (#5) and install.

TURN THE CAR BODY UPSIDE DOWN

5. Remove the bolsters (#6) from their sprue. The wide base faces the truck mounting hole. They are to be flush with the inside edge of the underframe.
6. Assemble and install Kadee (TM) couplers at this time if they are used.
7. Cut & trim brakegear assembly (#7) from sprue. Glue brake assembly to underframe (#8). If weights are to be installed in the bays, install them at this time.
8. Install the underframe as a friction fit. The underframe is installed by aligning one end into the car with it laying flat on a firm surface, and applying pressure going toward the opposite end. Trim the stirrups to approx 1/8" shorter than what is on the sprue. (Note that there is a thicker and thinner portion.) Install the stirrups (#11). (The stirrup alignment is more accurate if the underframe is already installed.)
9. Install the end braces (#1, from instruction #1) at this time.
10. Test fit then install the hopper door covers (#9). Bend the latches (#10) slightly and install as shown.
11. Install the trucks at this time. If Hirail couplers are to be installed they fit between the truck and underframe.
12. Use a paintbrush with thinner to lift residual paint from the sprue to touch up any spots on the car.

Weight

The NMRA standards for a car of this length is 7 1/4oz. The assembled car with S Helper Service Trucks, Kadee (TM) 802 couplers and a Blue Mountain Hobbies load is 6oz. There are several ways to bring it up to the NMRA recommendations. The weight can be added to the underside of the bays or to the inside.

Additional products:

Ballast Load	Blue Mountain Hobbies Cat#-----	\$3.95
Coal Loads	Blue Mountain Hobbies Cat#-----	\$3.95
Coal Loads	Mr. Plaster	\$3.50
Coal Loads	Wilson Harrell	\$3.50
Grab Irons	Don Plaines Hobbies	TBA

Magazine References

Dow, Andrew "The 70 Ton Standard of 1958" **Mainline Modeler** Sep 1990 64-68

Neubauer, Eric "The AAR "alternate standard" twelve panel hopper " **Railroad Model Craftsman** July 1986 64-67

Teichmoller, John "Pennsylvania Railroad Steel Open Hoppers H39-H39/39A,39B **Model Railroading** July 1993 46-53

Note: If you have any comments or suggestions, feel free to write. We will try to incorporate these into any future products.

We'd like to thank Bill Lane, Dave Bailey, Sam Powell & Jim Whipple for their suggestions all of which have been incorporated into the latest set of instructions.

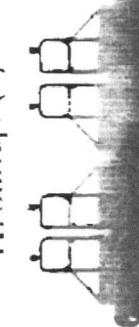
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1A. End braces -
lengthwise
portion (4)



11. Stirrups (4)



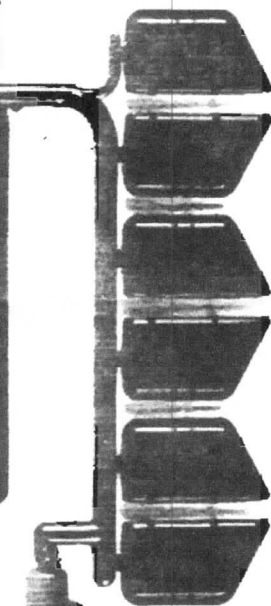
7. Brakegear (1)



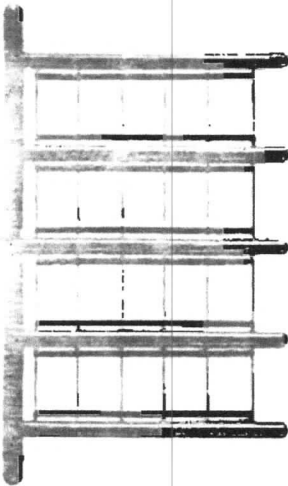
6. Bolsters (4)



5. brake platform:
assembled

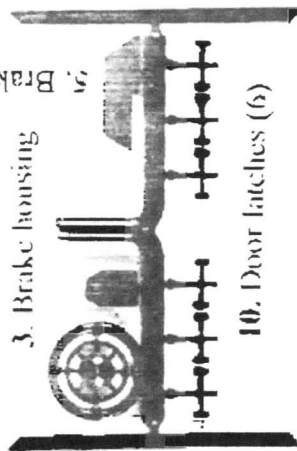


9. Hopper Door Covers

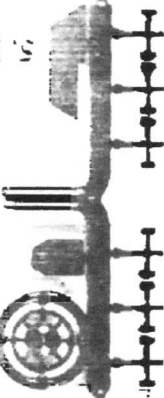


2. ladders

4. Brake wheel



3. Brake housing

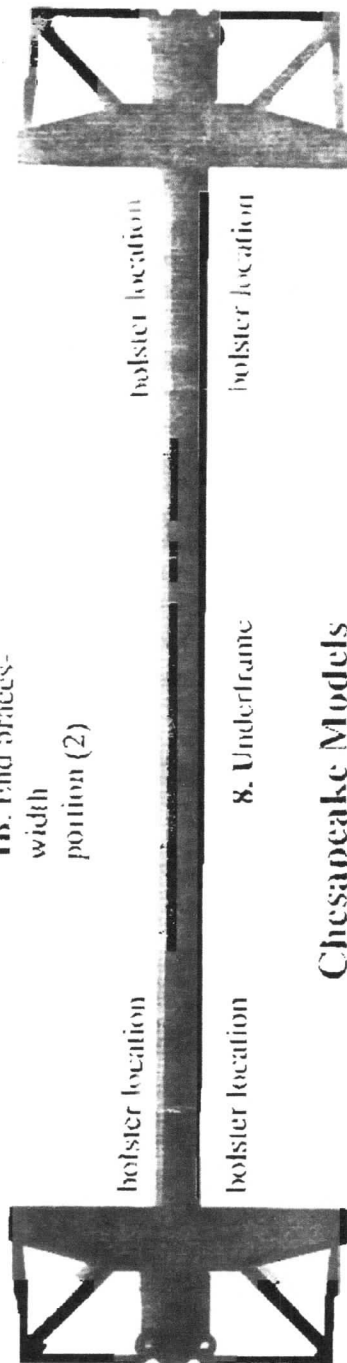


10. Door latches (6)

1B. End braces -
width
portion (2)

1. Assembled end brace

1. Assembled end brace



holster location

holster location

holster location

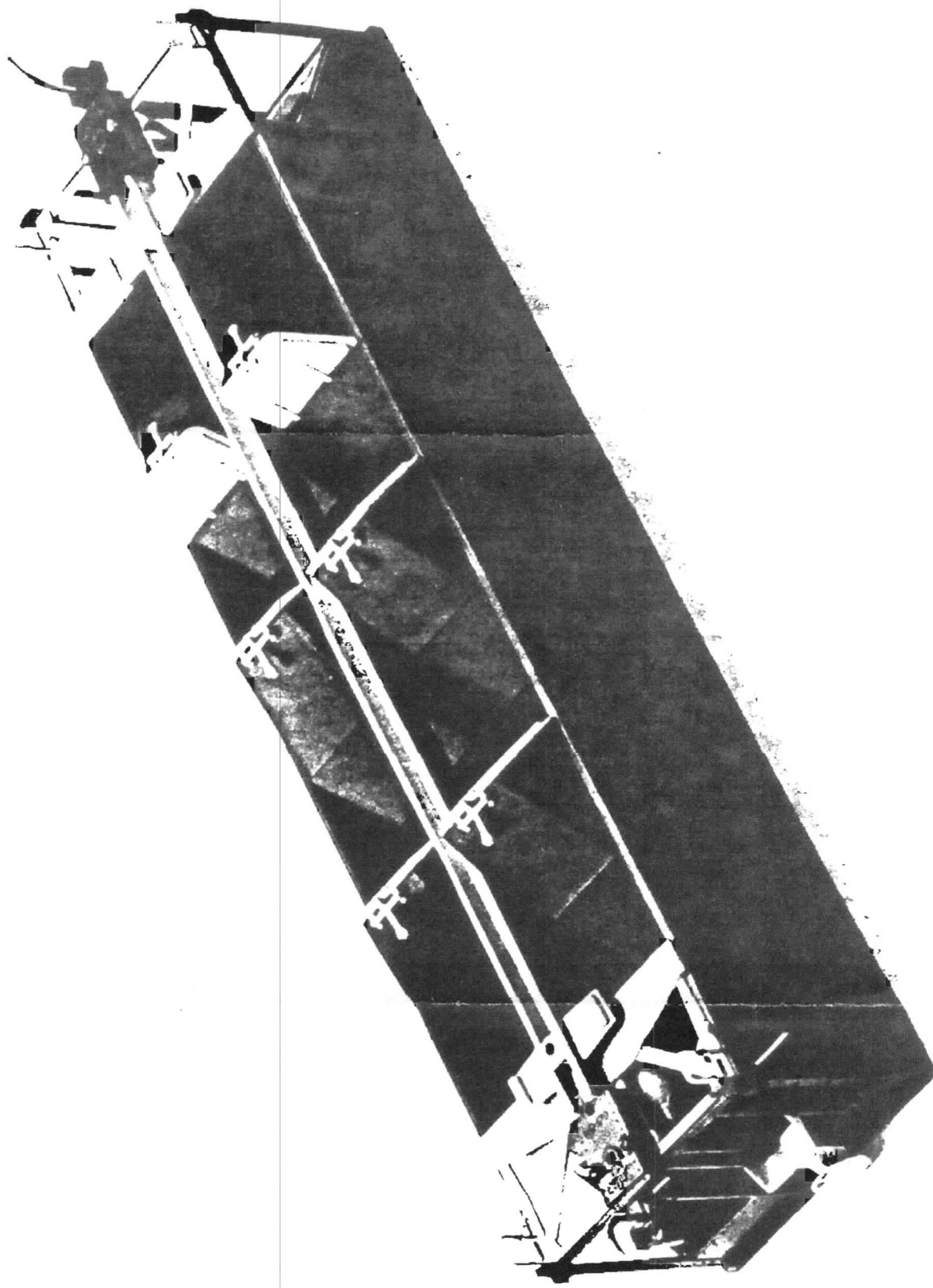
holster location

8. Underframe

Chesapeake Models

a division of Railroad Art
1220 Chestnut Road
Baltimore, MD 21204

Assembled H-39 with
Kadee (TM) 802's



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