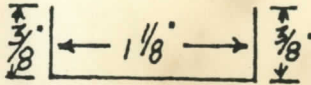


S GAUGE.

GENERAL ELECTRIC 40 TON STEEPLCABPARTS LIST .

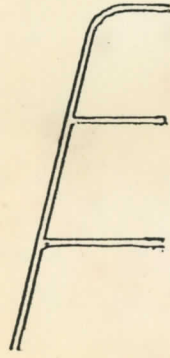
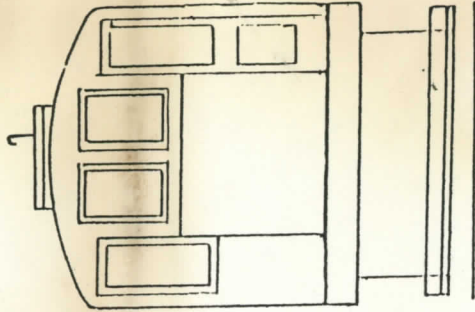
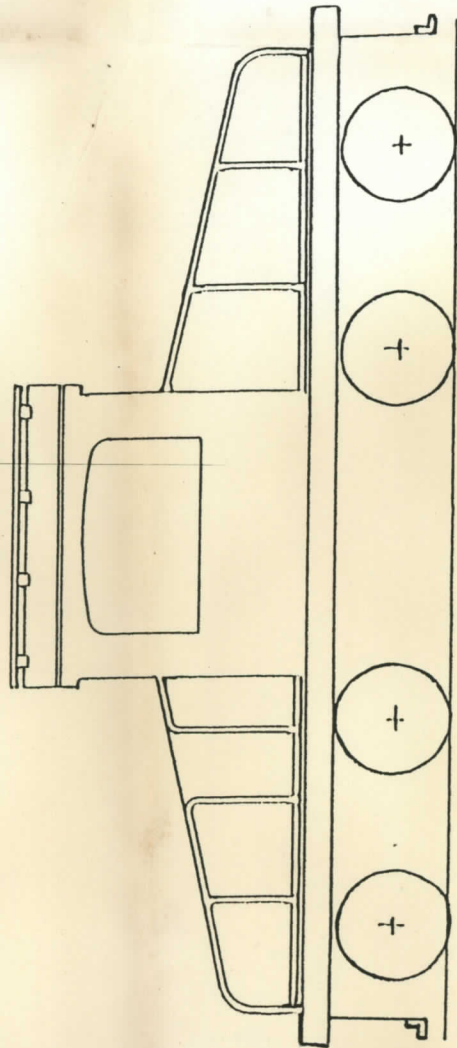
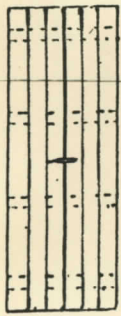
Body Shell	4 Sideframes
1-9/16 x 1-3/4 Plastic Roof	1/4" Brass Strip
9/16 x 1-9/16 Scribed Roofwalk	Window Material
1/16 x 1/16 x 2-1/2 Roofwalk Support	
Brass Wire	2 Trolley Pole Hooks
Plastic Angle	2 Mounting Screws

ASSEMBLY

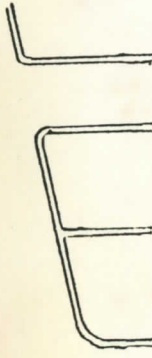
1. This model is designed to be powered with an Athearn SW1500 HO chassis regauged to S gauge. Convert a chassis as described in accompanying instructions, test fit it into the body shell, and drill mounting screw holes. Set completed chassis aside.
2. Cement 1-9/16 x 1-3/4 plastic roof to top of steeplecab using 5 minute epoxy, Allow 1/16 overhang on all sides.
3. Cut 4 roofwalk supports from 1/16 x 1/16 wood and cement to underside of roofwalk as shown on plans.
4. Cement completed roofwalk to roof.
5. Paint body as desired
6. Install windows.
7. Using brass wire, make railings as shown on plan A, B, & C. Make 2 of each.
8. Use a #74 drill to drill mounting holes for railings as shown in sideview on plan. Railings are symmetrical on both sides. Install railings. Also, drill mounting holes in roof for pole hooks and install hooks.
9. Make steps from plastic angle and brass wire as shown on plan. Again, use a #74 drill for mounting holes. Install steps and paint black or as desired.
10. We suggest using a Q-Car O Scale pole #B-120. To convert it to S gauge, unsolder wheel, clip off 3/4" from end of pole and resolder wheel.
11. Install chassis in body. Make wire connections to pole if overhead pickup is used.
12. Install couplers of your choice.
13. From 1/4 x 1/4 brass, make 2 sideframe brackets as shown: 
14. Epoxy sideframes to brackets. Paint both assemblies black, or as desired.
15. Mount Sideframe assemblies with gearbox bottom clips.

GENERAL ELECTRIC 40 TON STEEPLECAB

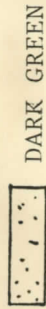
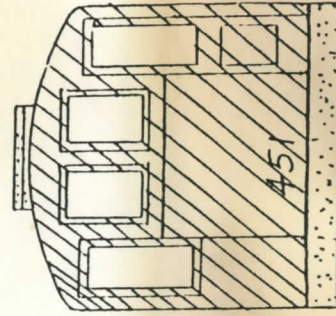
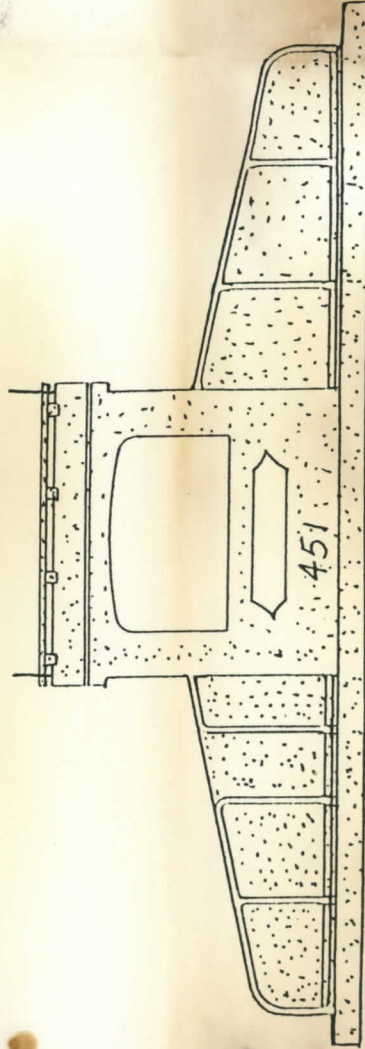
S SCALE 1:64



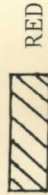
Rail A



Rail B
Rail C



DARK GREEN



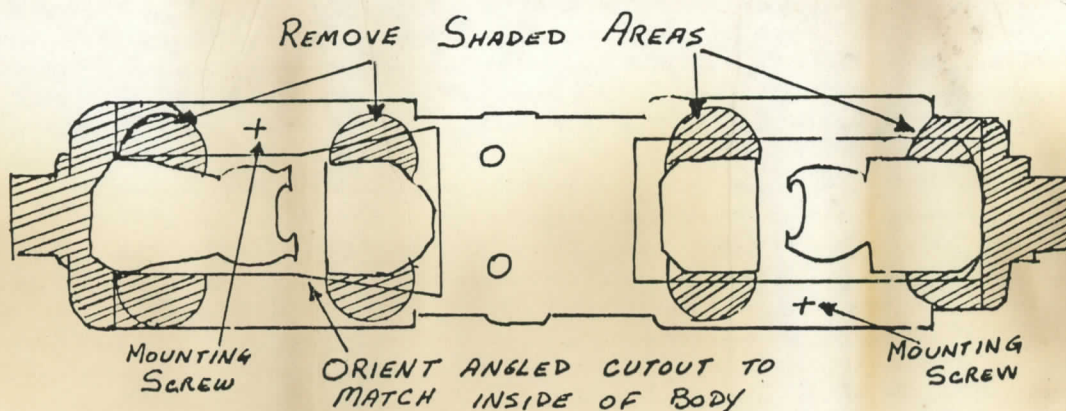
RED

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CONVERTING THE ATHEARN CHASSIS TO S GAUGE

1. Remove body shell, headlight and mounting bracket, and connector slip.
2. Remove motor.
3. Remove gearboxes from frame.
4. Cut off connector clip extensions to gearboxes.
5. Remove sideframes.
6. Remove wheels.
7. Solder 8 square bronze bearings to slots in metal frames of gearboxes.
8. For scale models, use existing HO wheels, simply regauge to S gauge and proceed to step 10. For hi-rail model continue with step 9.
9. For hi-rail model, remove plastic wheel from Ace Steel/nylon, hi-rail wheelset, push axle through plastic gear, and replace plastic wheel. Repeat for all 4 axles.
10. Trim axle ends even with wheels.
11. Trim chassis for wheel clearance as shown in diagram:



12. Insulate connection between gearbox and chassis mounting pad.
13. Paint chassis black.
14. Re-assemble gearbox and motor to chassis.
15. Make wire connections from power trucks to motor.