

Seaboard Air Line Class F-6 53'-6" Flat Car

S Scale Kit 8001



Photo and model by Pete Silcox

General Information and Suggested Tools

We have worked to produce kits that are inexpensive and easily modified by you the S scale modeler to represent a large group of steam era freight cars.

We have found the following items useful in building our kits.

- #11 EXACTO knife with several new blades

- CA glue of with medium viscosity
- Machinist Square
- Dupli Color Red Primer Filler
- 3M red auto body sanding pad
- Xuron clipper
- Red (Coarse) Sanding Stick
- Green (Medium) Sanding Stick
- A cutting tool like the Northwest Short Line Chopper

These kits are designed for modelers who are 14 years or older.

Part 1 - Assembly of body

1. Remove flashing and casting waste material from sides and top

2. The material supplied is a "U" channel of white plastic and needs to be cut into short pieces approximately 3/32 inch long. Check the length before cutting all the pieces by placing one on the side of the car pocket. Use a chopper tool and with the short leg side up on the cutting surface, cut each piece. That way you will not crush the piece when cutting it. Using needle nose tweezers dip each piece into a puddle of glue then attach them to the car side, centered on the stake pocket detail on the car side.

3. Turn over car body and install brake rigging of the amount of detail you want per the diagram for box cars, it is the same for flat bottom cars.

4. Install supplied grab irons on all side corners and ends.

Make and install sill steps

5. Drill and tap holes for trucks and couplers.

6. Install wooden deck by removing the backing paper and press into place.

7. Make vertical brake rod from 0.015" wire supplied and install brake wheel on end.

8. Paint apply gloss finish and allow to dry for 24 hours then decal car.

9. Install trucks and couplers. Attach trucks with supplied No. 2-56 3/8 inch long round head machine screws. Use the screws supplied with the couplers of your choice to attach the draft box to the body. Using a coupler gauge, check the coupler height. If high, sand the flat area of the body bolster. If low, use washers to raise the body to the correct height.

10. Car is light for good operating standards, so

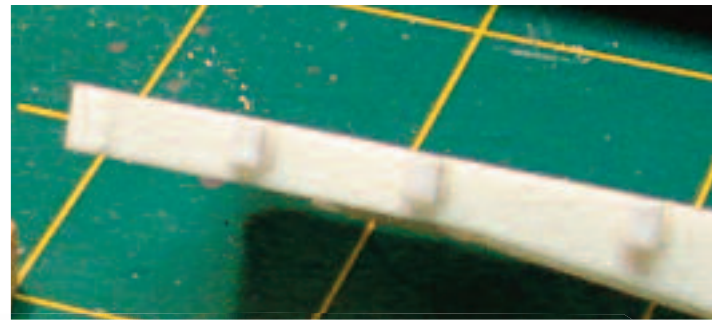
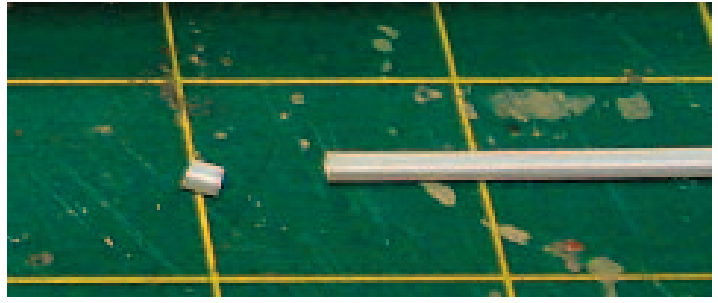
The Supply Car, LLC
<http://thesupplycar.com>

put a heavy load on it or install a weigh under car.

Part 2 - Install flat car side pockets for stakes.

□ 11. To make substantial sill steps get some common staples. Break off several as a group. With needle nose pliers straighten one leg to form a letter "L". With either the Micro Mark Gage or the pliers grab one staple next to the bend and with your finger bend the straight part 90 degrees to the pliers. Cut legs equal in length.

The Sill steps should be the same width as the grab irons and 18 inches down from the car side. Any longer and they will interfere with the swing of the trucks.



100 CARS BUILT 1940 BY AMERICAN CAR & FOUNDRY CO., ST. BERWICK, PA. - THEIR LATEST TYPE - S.A.L. SPEC. NO. 1939-B - S.A.L. CAR NO. 47000-47009

FLAT CAR ~ SCL NOS 847000-847009 ~ CLASS PS-10 61

WHEELS - A.A.R. 35" DIA.

NOTE 1 - CARS 847000-847009 FROM THIS SERIES HAD BULKHEADS APPLIED IN 1958 - SEE PAGE 63.

NOTE 2 - MALLEABLE IRON, 15 EACH SIDE, PART. FM-2700 & DRWG. NO. CE-3906; 2 EACH END, PART. FM-2791 & DRWG. NO. CE-3031.

SUN. DES. A.C. & E. CO'S DRWG. NO. 6155236 & S.A.L. CO-3036.

A.A.R. MECH. DESIGNATION FM

1. GENERAL		30. ANGLE COCK HOLDER		"RAWHARD" R.W.Y. DEVICES COS NO. 47-2724	
2. CAPACITY	(55-TONS)	110,000 LBS.	31. DRAFT GEAR	PERLESS FRICTION TYPE H-1 & WESTINGHOUSE FRICTION TYPE WY-11-E	
3. LIGHTWEIGHT		42,400 LBS.	32. TYPE	VERTICAL PLAINS, CAST STEEL; CAT. NO. Y-40	
4. LOAD LIMIT		134,600 LBS.	33. COUPLER Yoke	A.A.R. STD. TYPE "E", CAST STEEL; 6 1/2" x 8" x 2 1/4" SHANK; CAT. NO. E-CO	
5. MAX. LOAD ON RAILS		177,000 LBS.	34. COUPLER	BOTTOM OPERATING, SHIP MADE, A.C. & E. CO'S DESIGN	
6. BODY		35. COUPLER RELEASE RIGGING		NONE	
7. CENTERSILL	FISHBELLY TYPE; (2) 3/8" WEB PLATES WITH (1 EACH) 4" x 3 1/2" x 3/8"	36. BRAKES		A.A.R. STD. AB-1012	
8.	ANGLE AT TOP & (2 EACH) 4" x 3 1/2" x 3/8" ANGLES AT BOTTOM, .30" DEEP AT CENTER & 25% 1/2" TOP COVER PLATE	37. SCHEDULE		E.H. PIPE & 3/4" BEIWE FLANGED UNIONS	
9. STRIKER	CAST STEEL; S.A.L. PART. FS-2787 & DRWG. CA-3850	38. FITTINGS		"WRIGHT" PIPE CLAMPS; ILL. R.W.Y. EQUIP. CO.	
10. BOLSTER CTR. PILL & REAR DRAFT LOGS	CAST STEEL; S.A.L. PART. FS-2788 & DRWG. CA-3806	39. TONNAGE FITTINGS		15.2% OF GROSS RAIL LOAD AT 50# CYCL. PRESSURE	
11. BODY BOLSTERS	1/4" STEEL PLATE PRESSED PANS WITH 2 1/2" x 3/8" TOP & BOT. COVER PLATES	40. BRAKE POWER		MANUAL	
12. BODY CENTER PLATE	A.A.R. 1 1/4" DIA. BOWL, DROP FORGED	41. BRAKE REGULATOR		NONE	
13. BODY SIDE BEARING BRACE	CAST STEEL; S.A.L. PART. FS-2676 & DRWG. CE-3160	42. BELL CRANK		HORIZONTAL WHEEL, DROP STAFF; UNIVERSAL MULTI-POWER	
14. END SILLS	12" @ 20.7" # CHANNELS; SIDE SILL TO CENTER SILL	43. HAND BRAKES		UNIT 1734-1868; UNIVERSAL R.W.Y. DEVICES COS DRWG. 5375; S.A.L. DRWG. NO. CA-3794	
15. END SILL COVER PLATE	10" x 1/2" STEEL PLATE, SIDE TO SIDE	44.			
16. END BULKHEADS	NONE	45. TRUCKS			
17. FLOOR STRINGERS	1 EACH SIDE CENTER, BOLSTER TO BOLSTER, 4" x 4 1/2" LONG LEAF YELLOW PINE	46. TYPE		5 1/2" x 10", 1 1/2" SPRING TRAVEL, A.A.R. HANGER TYPE	
18. SIDE SILLS	FISHBELLY TYPE; 3/8" WEBS WITH 4" x 3 1/2" x 3/8" ANGLES TOP & BOT.	47. SIDE BEARINGS		SINGLE ROLLER TYPE; WINE R.W.Y. APPL. COS DRWG. 2-A-100-B	
19. CROSSBEARERS (2 PER CAR)	1/4" PLATE PRESSED PANS WITH 9" x 3/8" TOP & BOT. COVER PLATES	48. SHOCKER		CARDWELL FRICTION BOLSTER SPRING TYPE "A"	
20. CROSSSTIES (9 PER CAR)	1/4" PLATE PRESSED PANS	49. BRAKE SHOES		STD. A.A.R. I-A	
21. FLOOR	2 1/4" THICK LONG LEAF YELLOW PINE & 1/2" COUNTERSUNK CARTRIDGE HEAD BOLTS	50. BRAKE SHOE KEY		"LOCKEY"	
22. STAKE POCKETS	SEE NOTE 2 ABOVE	51. ROLLER BRG. ADAPTERS		NONE	
23. ROPING STAPLE	NONE	52. AXLES		5 1/2" x 10", FRICTION TYPE	
24. DRAFT KEY	STR. 6" x 1 1/2" x 1 1/2" WITH ROUND EDGES	53. JOURNAL BEARINGS		5 1/2" x 10", SOLID TYPE	
25. DRAFT KEY RETAINER	A.A.R. STD. TEE HEAD TYPE	54.			
26. DRAFT GEAR CARRIER	8" x 3/8" x 20 3/8" STEEL PLATE WITH (6) 3/8" DIA. BIVETS	55. BRAKE BEAMS		A.A.R. NO. 45 HANGER TYPE	
27. BRAKE BRIDGE PLATE	MALLEABLE IRON; S.A.L. PART. FM-2786; B.A.B. CO'S DRWG. NO. B-1508	56. SPRINGS		1 1/2" TRAVEL 112 A.A.R. DOUBLE COIL, B & 4 CARDWELL TYPE "A"	
28. BODY BRAKE LEVERS	1 1/2" x 2 1/2" CYLINDER & 1 1/2" x 1 1/2" FLOATING, FORGED STEEL	57. BOTTOM ROD CONN.		40" BETWEEN INSIDE HOLES, 3 HOLE TYPE; SCHAEFER NO. 709-B	
29. DEFECT CARD HOLDER	MILITARY-1066 NO. DCR-36-2B	58. BRAKE LEVERS		8" x 16" FORGED STEEL; A.C. & E. CO'S DRWG. NO. 1575502	