

53'6" FLAT CAR

CLASS F-70-7

CEMENT: Use slow set ACC. cement or 5 minute EPOXY
Use as little cement as possible.

WHEN USING CYANOACRYLATE--CA or ACC CEMENTS IT IS IMPORTANT TO TACK THE PARTS TOGETHER WITH A VERY SMALL SPOT OF CEMENT. IF THE PARTS ARE POSITIONED PROPERLY ADD MORE CEMENT, IF NOT, USE TESTORS LIQUID PLASTIC CEMENT AS A SOLVENT TO BRAKE THE SPOT JOINT AND TRY AGAIN. It is almost impossible to position the deck on the frame if you cement it all at one time.

TEST FIT WITHOUT CEMENT FIRST.

PAINTING: I recommend painting after assembly is complete.

DECK: Clean the flash from the deck castings, frame, and the 12 pipe and brake line holes in the main crossbearers. (You have to look close for the 2 small retainer line holes).

Match the RED spot on under side of floor and top of frame. Center floor on frame using 3 fingers on each end of car.

PLACE A SPOT OF ACC. CEMENT AT BOTH CORNERS AND AT THE CENTER OF ONE END OF FRAME.

When the deck is cemented in place at end, lift deck and place spots of ACC. about $\frac{1}{4}$ " from edge, every $\frac{1}{2}$ " or $\frac{3}{4}$ " for 3" or 4". Press until set, and continue until finished. DON'T DO ALL THE DECK AT ONCE.

STAKE POCKETS: USE A NEW XACTO #11 and clean the flash from the stake pockets. Hold pockets with tweezers and cement the stake pockets to sides and against the floor at each stake notch, 16 pockets on each side.

INTERMEDIATE CROSSBEARERS: Use the spacing jig provided and cement the intermediate crossbearers in place.

BRAKES: THE BRAKE DIAGRAM IS SHOWN WITH CAR UPSIDE DOWN.

IMPORTANT: "B" END OF CAR HAS 6 RIVETS AT THE BRAKE WHEEL

LOCATION. Install the brake cylinder and AB valve brackets, NOTE the MOUNTING PADS on the side sill and center sill. The air reservoir straddles the 2 center intermediate crossbearers.

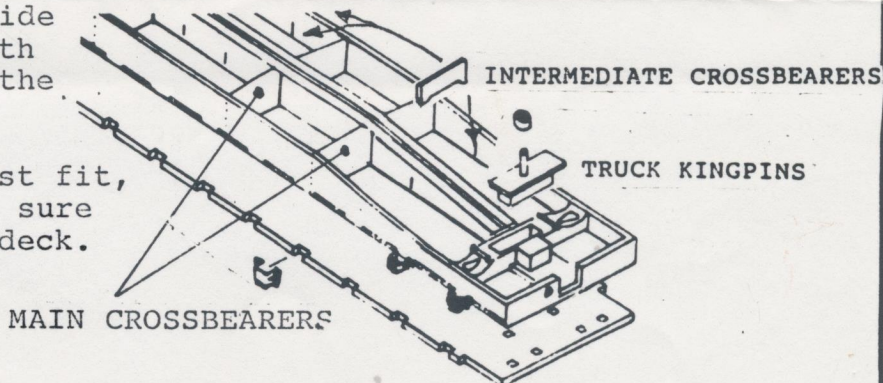
Install as much or as little of the brake lines and rods as you wish. Because of the WEIGHT cast in the center sill the train line, supply piping and brake levers are split. Care should be taken to line up both halves so they appear to be one piece.

CROSSBEARER CAP:

Trim the main crossbearer caps to fit between the side sills. Cement in place with the rivets offset toward the center of car.

BOLSTER KINGPIN:

Check kingpins for the best fit, and cement in place. Make sure they are parallel to the deck.



Several extra

— push all the way down.

Train line

S P

V&T shops

170 REDSTONE DR.

RENO NV.

(702) 322-5092

Black parts

53'6" FLAT CAR

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RETAINER VALVEInstall retainer valve and pipe. *#76 hole***GRAB IRONS:**Drill the grab iron holes #76 and the corner step holes #72, the locations are marked. *fine wire***COUPLERS:** I use KADEE HO couplers for steam era cars and KADEE S scale couplers for Diesel era cars. Either can be used.The HO couplers will fit with a little clean up of the pocket opening. Use the spacer-cover to position box. *trim?*

The S scale box will have to be trimmed as shown. Use the spacer to position box.

CUT LEVERS:Bend the cut levers and install, use the four brackets supplied, at the corners. I just cement the other end to the coupler cover. *#75***BRAKE WHEEL AND STAFF:**Install the two piece brake staff bracket, brake staff and brake wheel. *need wire* *#75* *NO REAM***PAINTING, LETTERING AND WEATHERING:**

I place the car deck down on a piece of 3/4" wood with the brake wheel overhanging. I then airbrush the side sills and underframe only.

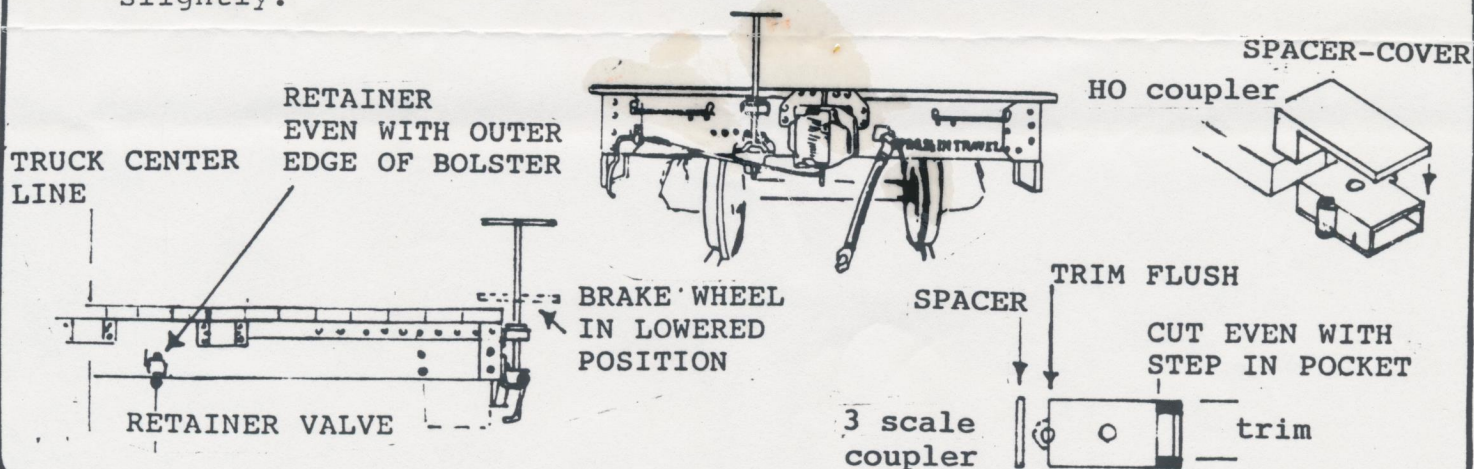
Use Floquil BOX CAR RED or use ZINC CHROMATE PRIMER for a more faded car. Do NOT paint the deck.

The Flat car decks were not painted. Use black chalk and brush across the deck. This should give the correct weathered color. *24" above deck*

BEFORE LETTERING CAR, AND AFTER PAINT IS DRY, POLISH SIDE SILLS AND ENDS WITH A TOOTH BRUSH. This will give the side an appearance of metal and will provide a good surface for decals. After the lettering is complete and sprayed with a clear coat to fix the lettering, dust with chalk for additional weathering.

THE KING PIN WAS DESIGNED TO USE AMERICAN MODELS TRUCK.

Others may require some adjustment.

The trucks are mounted using a slice of the pink tubing to hold the truck in place. One truck should just turn and the other should rock slightly.

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S P

CLASS F-70-7 53'6" FLAT.
CARS BUILT IN 1949 and 1950

THE SOUTHERN PACIFIC had 2050 F-70-7 flatcars. #140500--#142549
IN 1955 these cars were renumbered to #560824 to 562854. (not all cars were actually renumbered).

THIS LIST IS NOT
COMPLETE AND
DOES NOT COVER
ANY OF THE MANY
CARS ASSIGNED
TO MW SERVICE.

In 1952 a number of cars were converted to Piggy-back service. The cars were chosen at random. #142348 and #142587 were converted, others can be found in photos

About 1955 11 cars were converted to BULKHEAD FLATS. These cars were renumbered at this time. The numbers were:-----#506000 to #506010, they were 44'9" between bulkheads. 11 more, #506011, 013, 015, 016, 020, 021, 023, 025 026, 027, 028. These were 44'6" between bulkheads.

The next group of 72 cars were 506013, 014, 017, 018 019, 023, 024, 029, 036, 037, 038, 041, 043, 044, 045, 050, 051, 052, 055, 058, 063, 064, 067, 072, 074, 075, 077, 082, 085, 089, 091, 096, 097, 099, 100, 103, 105, 106, 110, 111, 112, 116, 121, 122, 123, 124, 126, 129, 131, 133, 135, 137, 179, 185, 188, 189, 190, 193, 201, 205, 208, 209, 211, 215, 216, 221. THESE CARS WERE 46' BETWEEN BULKHEADS.

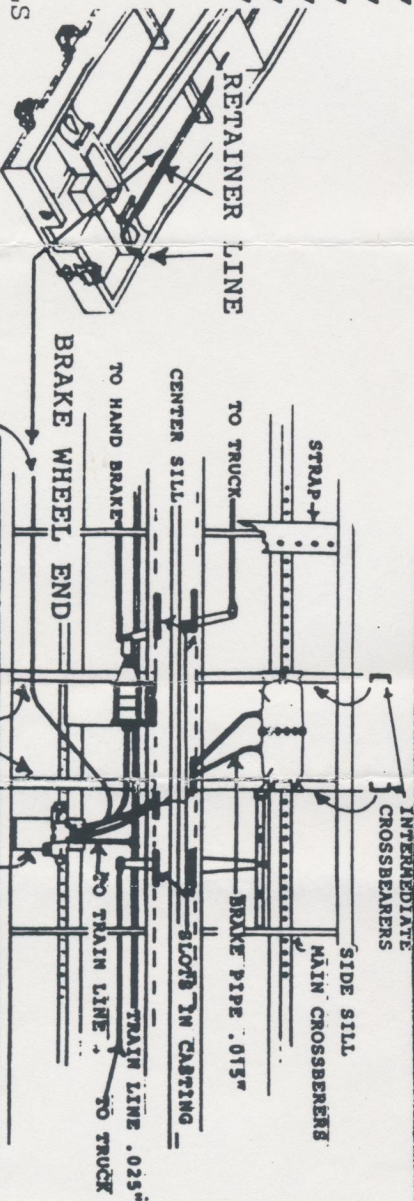
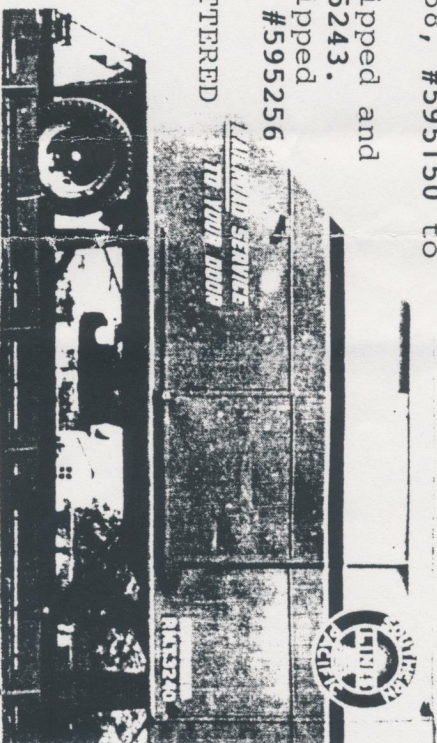
276 (or more) CARS WERE CONVERTED WITH 48'6" BETWEEN BULKHEADS. These were #506250 to #506528

WROUGHT STEEL WHEELS
OR
CAST STEEL WHEELS

Cars #595576 to #595290
"WHEN EMPTY RETURN
TO KAISER, CALIF. "

"WHEN EMPTY RETURN
TO OGDEN, UTAH. "

In 1956 150 cars had cradles installed to handle cold rolled steel reduction coils. Renumbered #595001 to 595149.
More were converted in 1958, #595150 to #595218.
In 1960, 25 more were equipped and renumbered #595219 to #595243.
In 1962, 34 more were equipped with cradles and numbered #595256 to #595290.
Cars #595256 to 595275 LETTERED
"WHEN EMPTY RETURN
TO OGDEN, UTAH. "



INTERMEDIATE
CROSSBEAMERS

AS VALVE BRACKET

53' 6"

SOUTHERN PACIFIC 142455

CAP LB LMT LT WT NEW 8-50 1431000 FM 68940

trust
data

CAST STEEL WHEELS

MIT 8-50