



INTERMOUNTAIN RAILWAY CO.



AB Brake Kit: 42998
K Brake Kit: 42999

AT&SF Series Sk-Q through Sk-U Stock Car

General:

Please read all instructions and study the drawings and parts before beginning assembly of this kit! Many of the parts are very delicate in order for your completed model to be as attractive and authentic as possible. **DO NOT ATTEMPT TO BEND, TWIST, OR BREAK PARTS FROM SPRUE.** The most effective tools to use in removing parts from their sprue are an X-acto knife, fine clippers, or a sharp, single edge razor blade.

It is best to test fit **ALL PARTS** before applying glue. The locators sometimes are slightly damaged in removing them from the runner and must be trimmed before the locator holes will accept them. It may be helpful to open locator holes with a drill or reamer. Generally very small amounts of glue are needed to affix styrene parts, so we recommend that glue be used sparingly and applied with a small paintbrush.

The connecting point between the part and the "runner" to which it is attached is called a "gate". The gates are designed to be trimmed completely flush with the part except in those cases where the part itself is used as the gate.

Assembly Sequence

Step 1: Completion of body

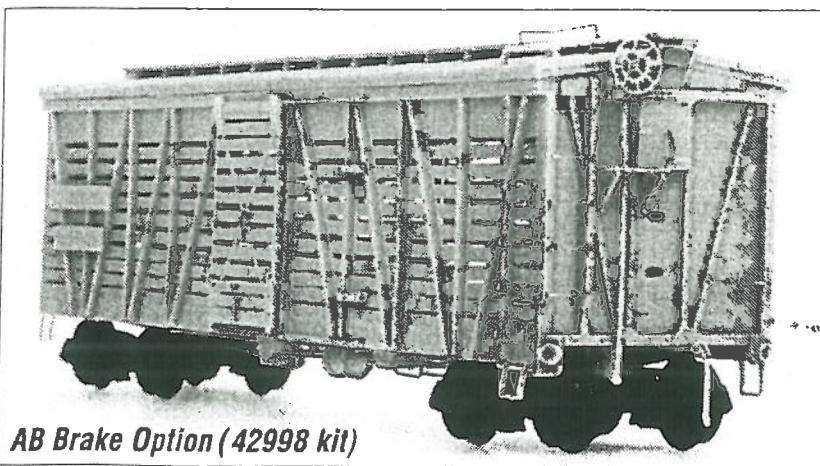
- Add sides (1) to the floor & end piece (2). Be careful not to accidentally break off the stirrup steps while handling the sides. Please note: You have the option of more durable stirrups included. If you wish

to use these cut off the molded on stirrups flush with the floor and glue the stirrup locator to the back side of the frame. The stirrup should line up where the original one was.

- Glue the shortened floor piece (3) to the middle of the car with the floorboards flush with the

outside of the door frame.

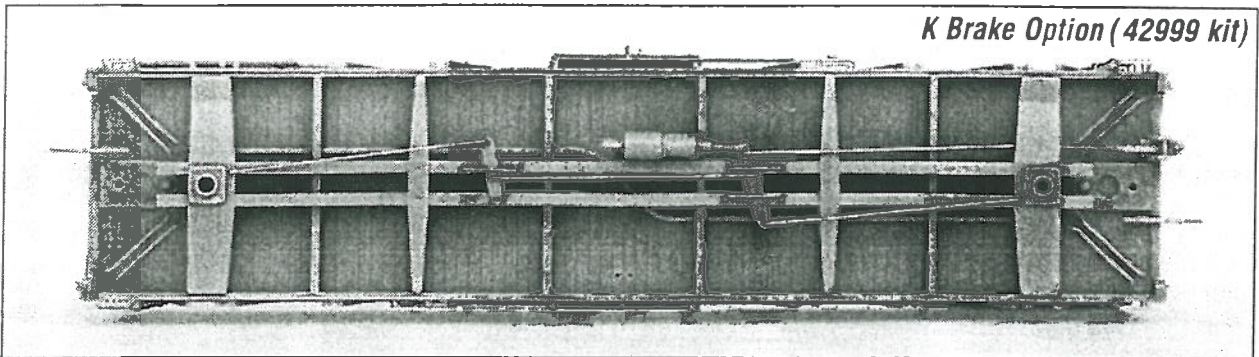
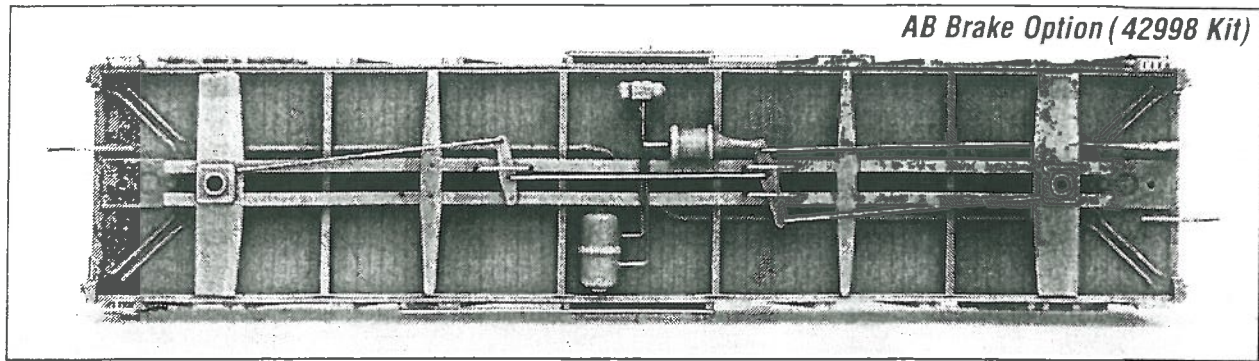
- **Double deck option:** At this point if you desire the double deck option glue the second deck (4) into the body. Locate the floor between the 5th and 6th boards from the bottom. Test fit the double deck door (5) to make sure you located the floor in the correct place.



AB Brake Option (42998 kit)

Step 2: Underbody details

- The brake end has a round locator pin over the bolster while the other end of the car had a square locator pin. Be sure the part is oriented correctly and then glue the frame (6) to the bottom of the car.
- Make sure you glue the frame onto the bottom of the car so that it faces in the correct direction.



K Brake option:

- Glue the K brake cylinder (7) to the locator hole on the middle right side of the car (when looking at with the brake end at the bottom).
- Make sure the tapered end of the cylinder is facing the brake end.
- Glue the larger brake lever (8) to the end of the rod on the K brake cylinder as shown in the photo.
- Glue the smaller (9) brake lever to the locator pin on the frame bottom as shown in the photo.
- Glue the brake staff support (30) to the double holes on the bottom right of the brake end of the car.
- Glue the formed wire brake rigging in place using the photo as a guide.
- Glue the air hoses in place.

AB Brake option:

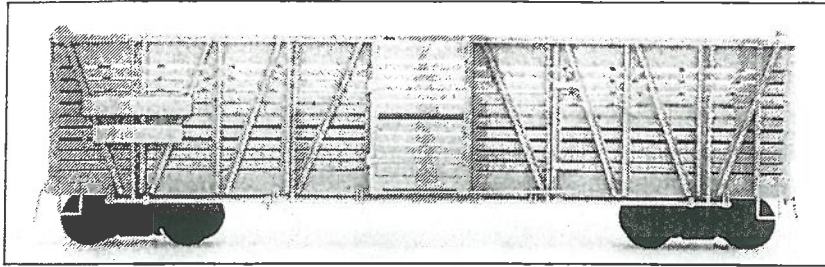
- Glue the round end piece (12) to the flat round end of the AB brake cylinder (13).
- Glue the AB brake cylinder to the locator hole on the middle right side of the car (when viewed with the brake end at the bottom).
- Be sure the tapered end of the cylinder is facing the brake end.
- Glue the larger brake lever (15) to the end of the rod on the AB brake cylinder as shown in the photo.
- Glue the smaller (16) brake lever to the locator pin on the frame bottom as shown in the photo.
- Glue the air tank (17) to the locator holes on the opposite side of the frame as the air cylinder.
- Be sure to note the large locator peg should fit into the

large locator hole towards the outside of the car.

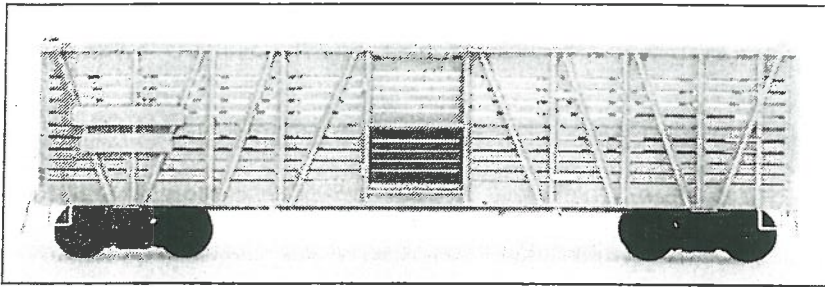
- Glue the triple valve (18) to the small locator holes on the same side of the car as the brake cylinder. The holes in the triple valve should be facing inward.
- Glue the formed wire brake rigging in place using the photos as a guide.
- Glue the air hoses in place.

Step 3: Body details

- Glue the door stops (20) upper and (21) lower onto both sides of the car.
- Glue the placards on to both sides of the car using the correct size and configuration of placards for the prototype you are modeling. There are small edges molded to the rear of the placards to correctly locate them in place on the car side.
- Glue the formed brass wire



Double deck car



Double deck car showing inner deck

door slide into the locator holes along the bottom of the side under the door.

- Glue the appropriate doors (5) or (23) onto the molded upper track and wire lower track on the sides of the car.
- At this time add the desired weight to the car. You may want to paint them so they will not be visible.
- Glue the roof (24) to the car.
- Make sure the roof fits snugly onto the sides and ends of the car.
- Glue the roofwalk (25) to the locator holes on the roof.
- Glue the formed wire corner grab irons onto the corners of the roofwalk.

Step 4: End details

- Glue the appropriate small drovers doors (27) in place on both ends of the car.
- Glue the roofwalk supports (28) into the locator holes.
- Be sure the horizontal support

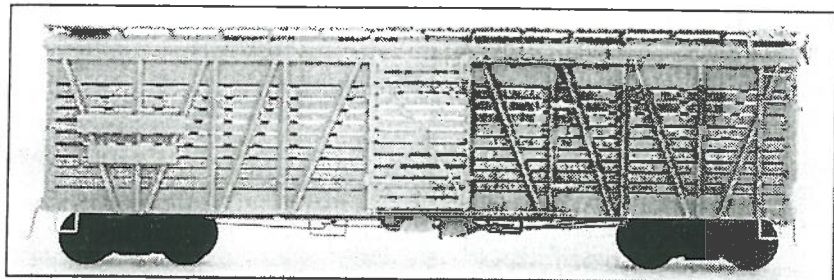
lines up with the corresponding strip on the end of the roofwalk.

K Brake option:

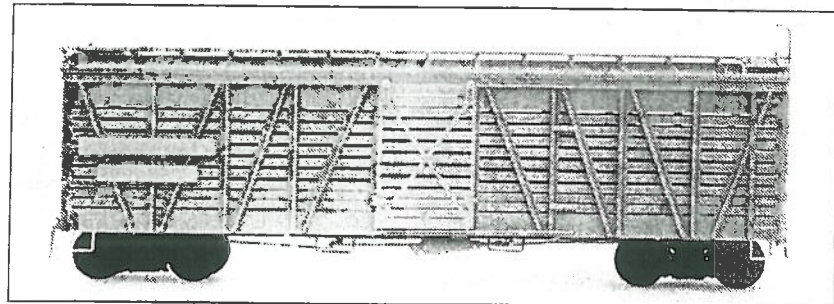
- Glue the air release valve (29) on the brake end of the car to the locator hole on the upper

side of the brake end of the car next to the roof.

- Glue the lower brake staff support (30) to the locator holes on the bottom of the car.
- Glue the brake staff support bracket (32) to the locator slot along the top of the car, to the left of the roofwalk.
- Glue the upper brake staff support (10) onto the locator holes on the top of the brake staff support bracket.
- Insert the wire brake staff into the hole in the upper brake staff support from the top.
- Glue staff in place with the end in hole in lower brake staff support.
- Glue the brake line and chain piece (35) to the underside of the car.
- Glue chain end to back of lower brake staff support.
- Glue other end to hole in bolster.
- Glue appropriate brake wheel (36) onto top of staff.



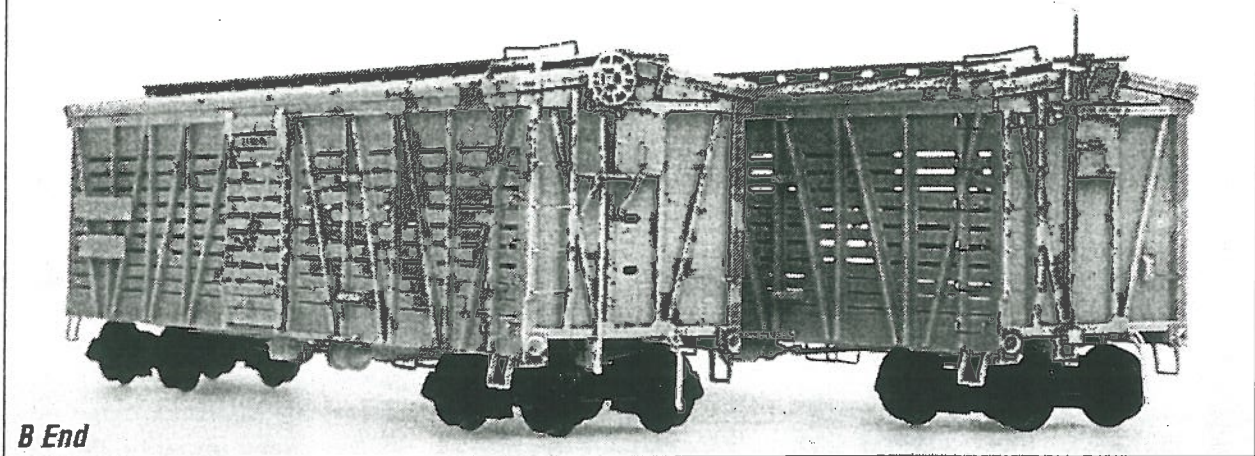
AB Brake Option (42998 kit only)



K Brake Option (42999 kit only)

AB Brake Option (42998 Kit)

K Brake Option (42999 kit)



AB Hand brake option:

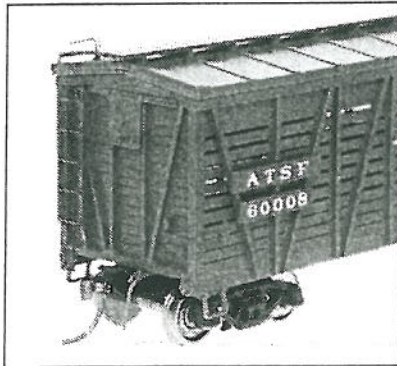
- Glue the brake wheel platform supports on the brake end of the car (37) into the locator holes.
- Glue the brake wheel platform (38) to the top of the supports.
- Glue the air release valve (39) to the locator hole on the upper side of the brake end of the car next to the roof.
- Glue the brake wheel housing (40) to the locator holes next to the air release valve.

- Glue the brake wheel (41) into the housing.
- Glue the brake staff and chain (42) piece to the end and bottom of the car by inserting the brake staff through the hole in the brake wheel platform, then glue the forward end of the lower chain to the guide holes on the bottom of the car.

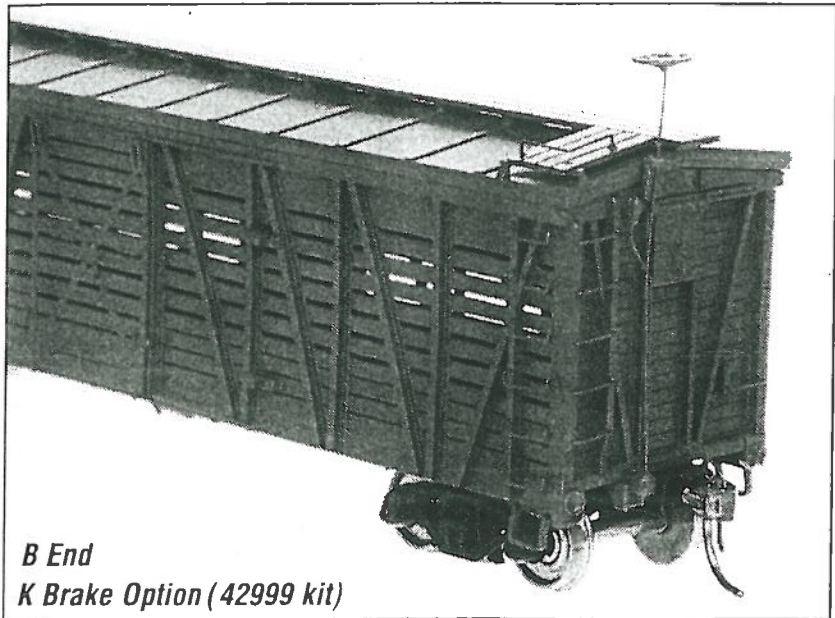
- Grab irons to the appropriate places on the body. Make sure they are level.
- Paint and decal to match your appropriate prototype.
- Decals will be available through Micro-Scale or Speedwitch.com
- Attach the trucks to the bolsters with the mounting screws.
- Though couplers are not included, we have designed the car to use Kadee® #78 couplers and coupler boxes.

Step 5: Finishing

- Use ACC to secure the wire

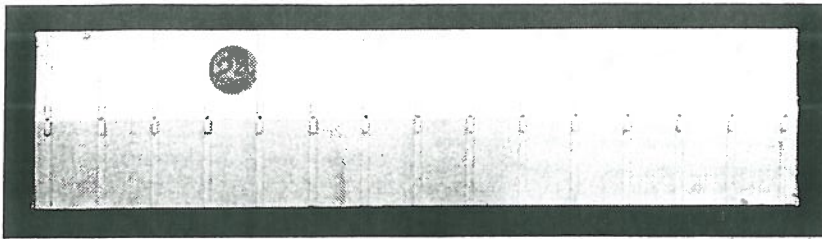


A End



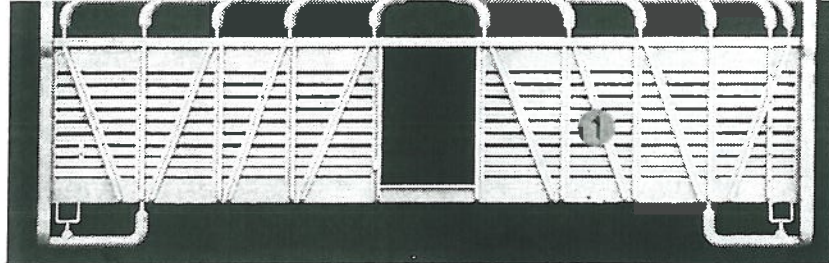
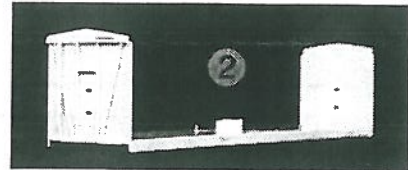
*B End
K Brake Option (42999 kit)*

Roof



NOTE: Supplemental stirrups are provided on the brake sprue. The stirrups molded onto the sides may be removed.

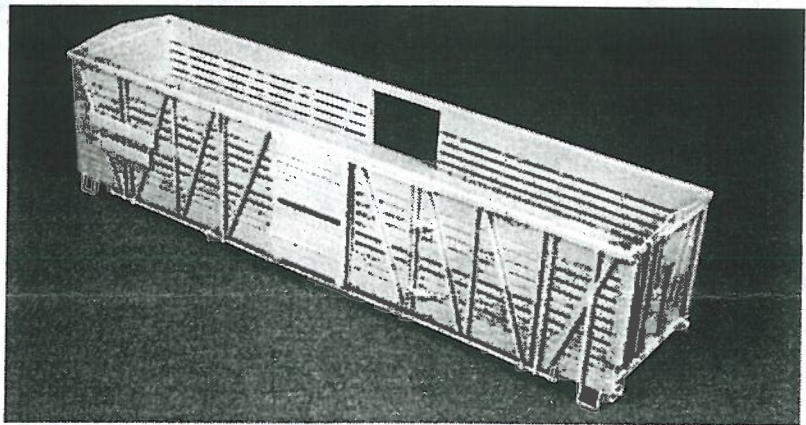
Floor and End



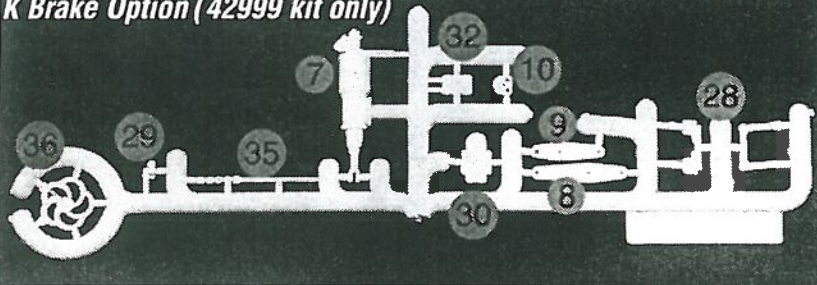
Car Sides



Handbrake Linkage (42998 kit only)

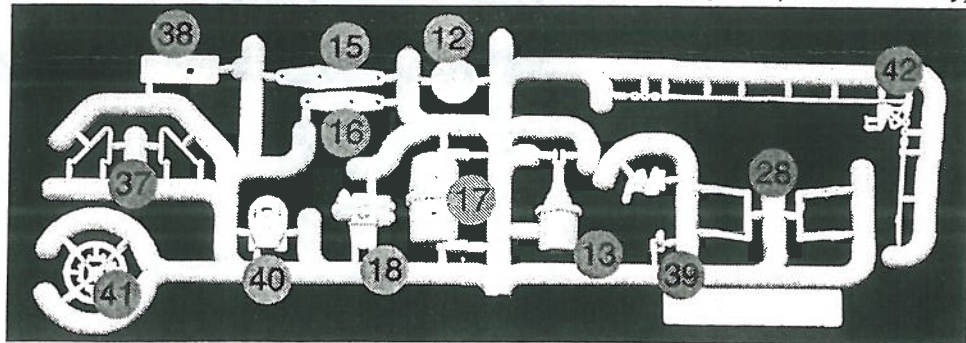


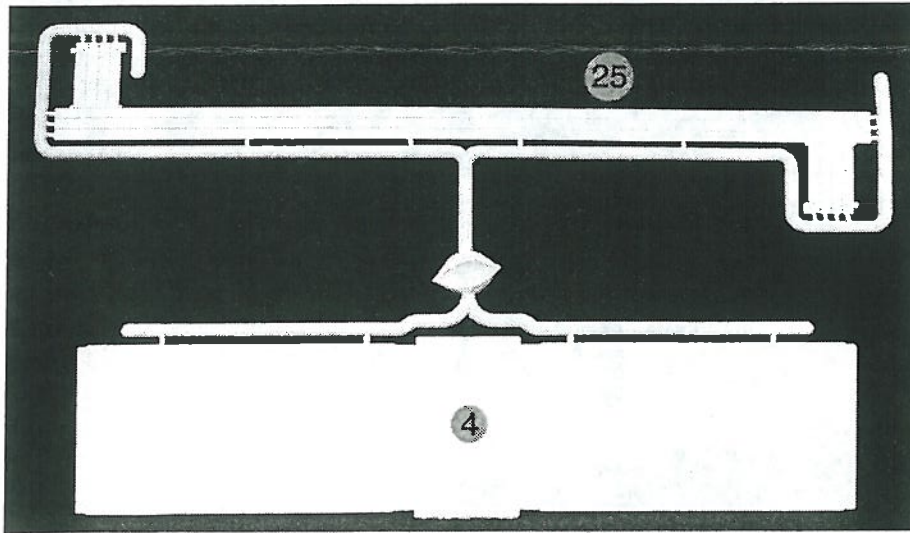
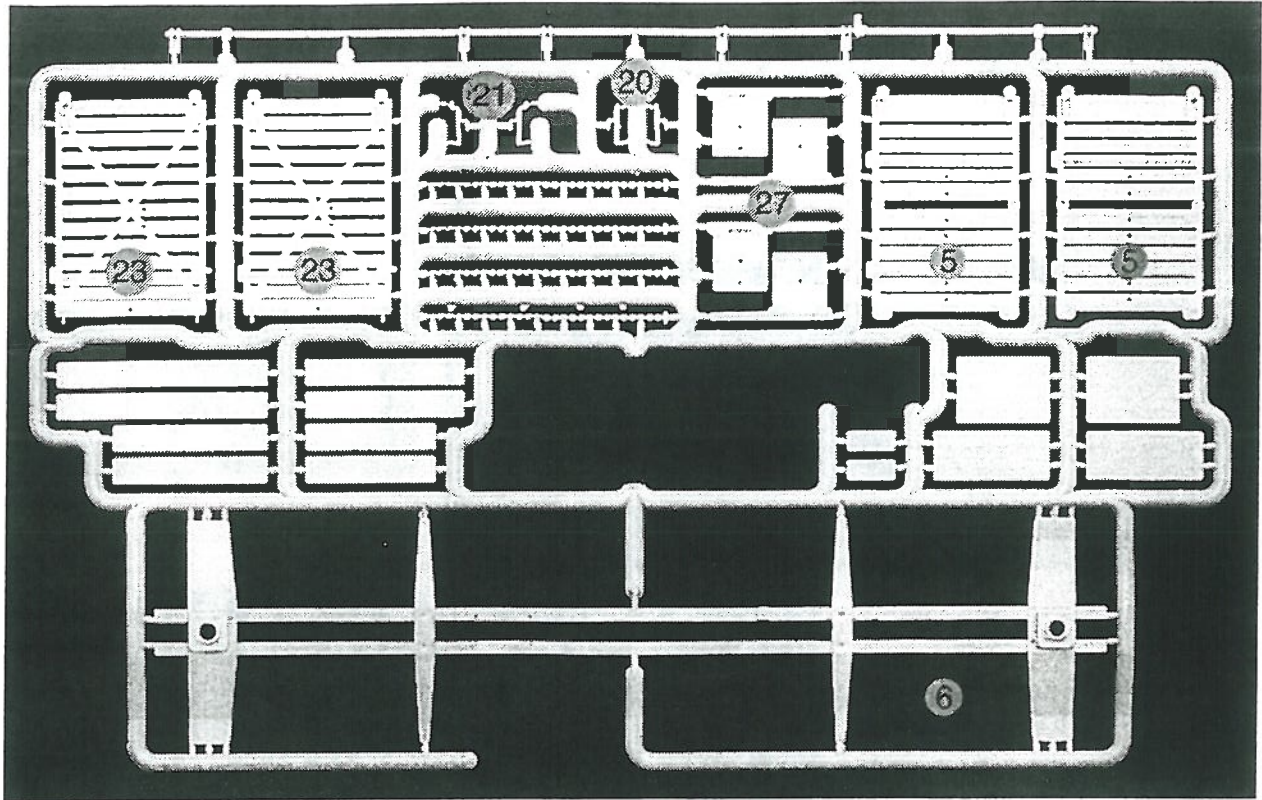
K Brake Option (42999 kit only)



NOTE: (Above) Double deck cars had their upper deck supported and adjusted using a chain mechanism. These details may be added to the car along with the split door (5) and second (upper) deck

AB Brake Option (42998 kit only)

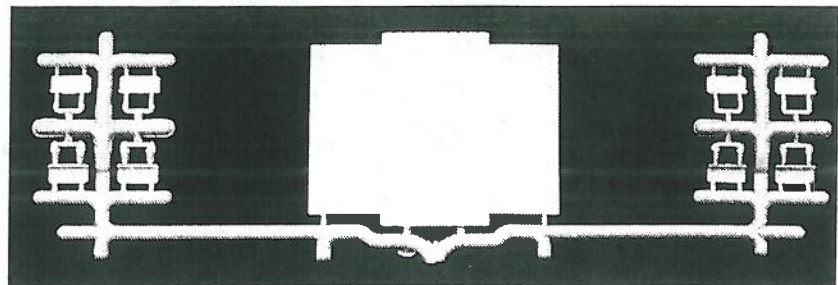


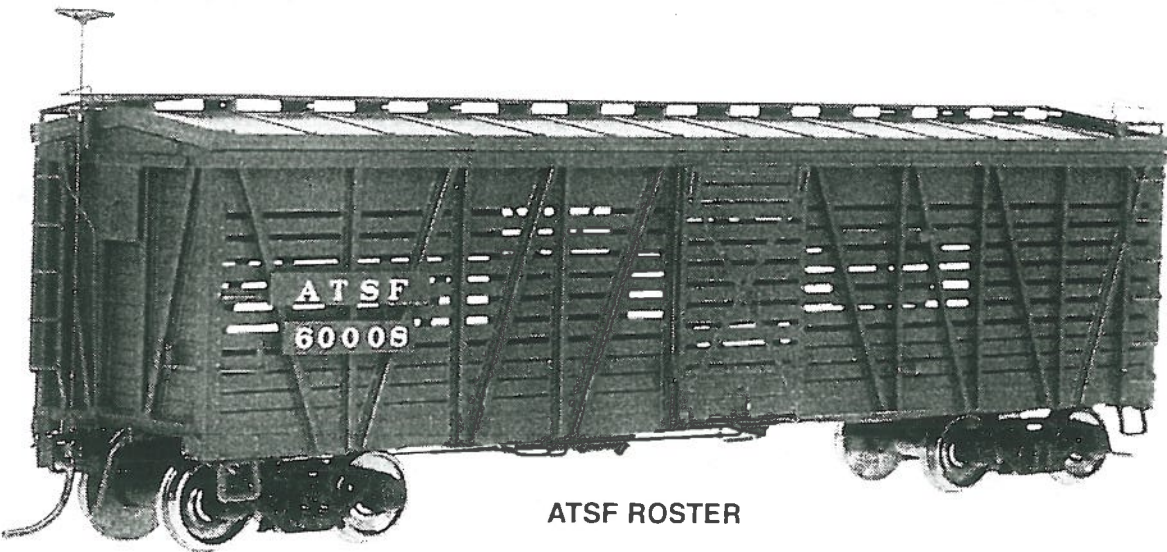
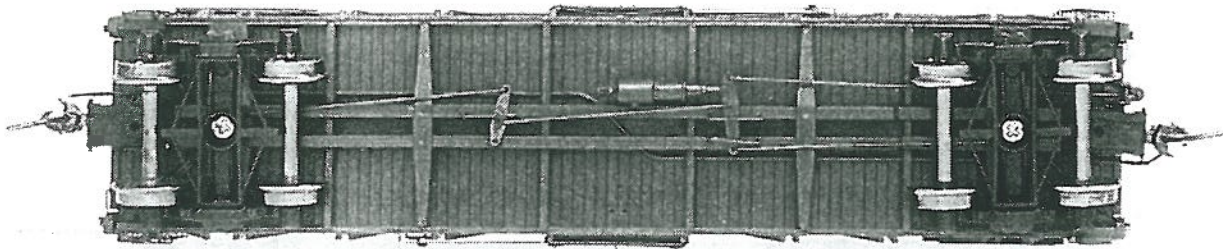
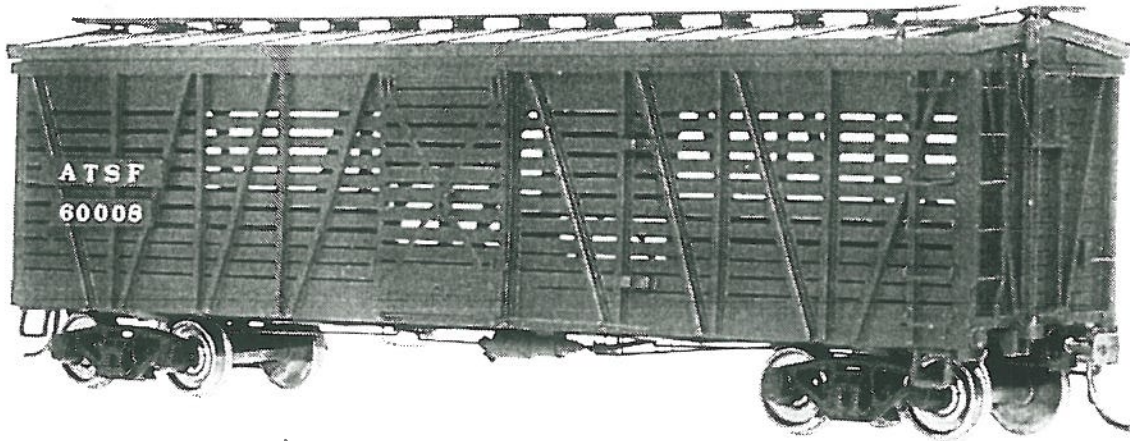


Roofwalk

*Second Deck (floor)
ATSF SK-Q and SK-S
classes only.*

Main Deck (floor)

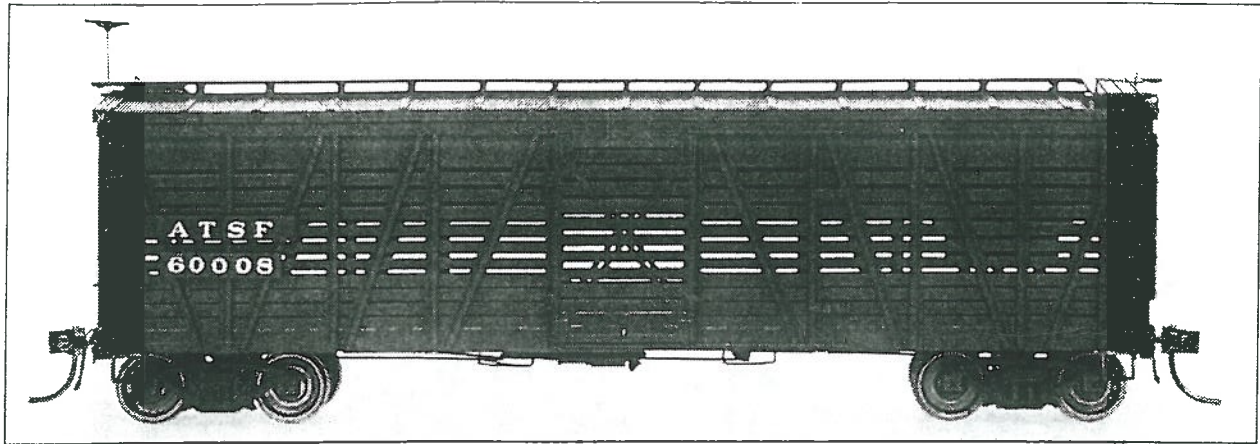




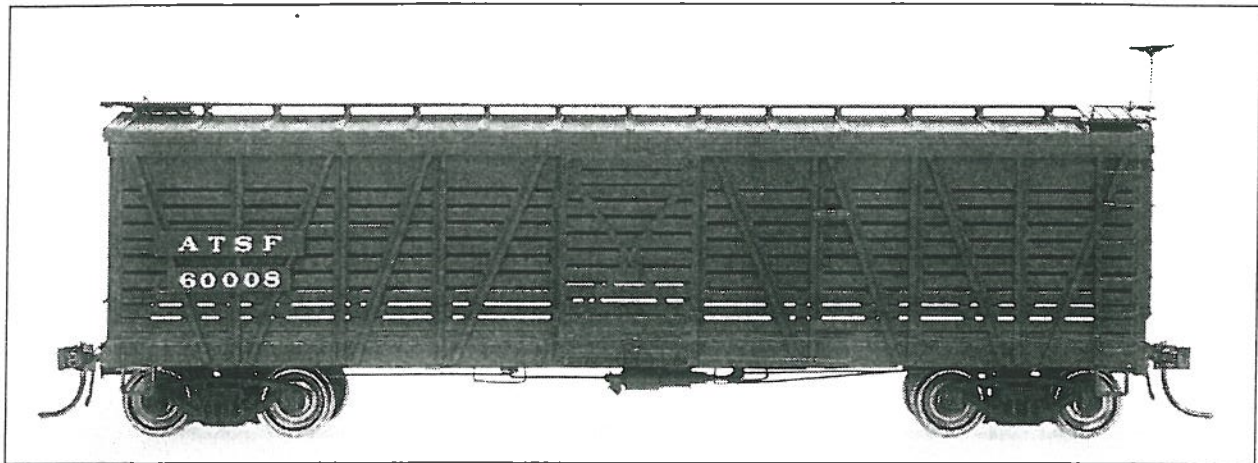
K Brake Option (42999 kit)

ATSF ROSTER

SK-Q	68600 - 68849	Double Deck	1928
SK-R	50500 - 50999	Single Deck	1928
SK-S	68851 - 69100	Double Deck	1929
SK-T	60002 - 60501	Single Deck	1929
SK-U	60502 - 60801	Single Deck	1930



K Brake Option (42999 kit)



PAINT & HISTORY:

From the outset, the Atchison, Topeka and Santa Fe Railroad was in the business of transporting livestock. Livestock remained an important part of the Santa Fe's business until the 1960s when the traffic shifted from railcars to trucks as a result of the construction of the Interstate highway system. The Sk-Q through -U stock cars were built between 1928 and 1930. Originally equipped with K Brakes, these cars were converted to AB air brakes in the '40s and early '50s. They lasted for years without significant modification. Trucks used on these stock cars were cast steel ARA with integral journal boxes. The series Sk-R, -T and -U classes were conventional single deck cars and the series Sk-Q and -S were the convertible double deck version. The Sk-U's were the last stock cars purchased new by the railroad. These additions brought Santa Fe's fleet to over 9,000 cars, more than were owned by any other railroad. Most of the Sk-Q through -U stock cars remained on the roster until the early '60s with many still in use until the latter part of that decade.



P. O. Box 839, LONGMONT, CO 80502, PHONE (800) 472-2530
WWW.INTERMOUNTAIN-RAILWAY.COM