



# BRASS CAR SIDES

## *Passenger Car Parts for the Streamliners*



Milwaukee Road 1948 *Hiawatha* Coach [No. 173-502]  
Milwaukee Road 1948 *Hiawatha* "Valley" Parlor [No. 173-503]  
Milwaukee Road 1947 *Hiawatha* 60' Railway Post Office [No. 173-559]  
Milwaukee Road 1947 *Hiawatha* "Grove" Cafe-Parlor {No. 173-560}

The Milwaukee Road was unique among U.S. railroads in building most of its lightweight passenger cars in its own shops. (The Pullman-Standard sleeping cars and the Super Domes were among the exceptions.) Lightweight coaches for the 1947-48 *Twin Cities* and *Olympian Hiawathas* were originally numbered 480-497 and 535-551. When the Milwaukee began handling the UP "City" Streamliners on October 31, 1955, some of these cars were equipped with leg rests and renumbered in the 600-series. In later years, these coaches were operated on all passenger trains, and they continued in Amtrak service into the mid-1970's.

The "Valley" series parlor cars and 60' postal cars 2152-53 also ran regularly on the *Twin Cities Hiawathas*, and the "Grove" series cafe-parlors 180-185 operated on many of the other trains in the fleet, including the *Pioneer Ltd.*, for which two cars (182 "Union Grove" and 185 "Twin Grove") were converted into diner-lounges.

These scale-length N-scale sides are designed to be used with American Limited Models Core Kits 8010-8020-8030. The coach, parlor, and cafe-parlor are exact length matches for the ALM kits. The "Grove" sides were retooled in November, 2008 with minor changes in window dimensions and positions to reflect new information. The 60' postal car is scale length and requires that the floor and roof of the ALM kit be shortened by 1.584", in the middle for the floor and at either end for the roof. The ALM kits come with their own instructions, which this sheet supplements.

### REFERENCES

Passenger Cars Vol. 2 Streamline Cars, by Hal Carstens (Carstens). Coach (pp. 132-3); tap-lounge (194-5); parlor (145); baggage-dorm (123)  
Streamliner Cars Vol. III P-S/Others by David Randall (RPC Pub.)  
Yahoo Group MILW. PDF file of Drawings by Rick De Karske of 1947-48 *Hiawathas*. Color side views in UP scheme, with underbody and roof detail.  
The Hiawatha Story by Jim Scribbins (Kalmbach, 1970, Interurban Press later)  
Pullman-Standard Library Vol. 15 MILW, MKT, FRISCO, MP, KCS, DRGW (RPC)  
Milwaukee Road Remembered by Jim Scribbins (Kalmbach, 1990)  
The Milwaukee Road in Color Vols. 1-4 by various authors (Morning Sun)  
The Union Pacific Streamliners by Ranks and Kratville (Kratville, 1974)  
Mainline Modeler "Coach No. 658 Circa 1965 (HO) by R. J. Zenk, March, '84.  
Passenger Cars Vol. 1, reprint of R.J. Zenk article from Mainline Modeler.

### CONSTRUCTION NOTES

These parts are etched from .008" full-hard brass sheets. They are coated with a clear acrylic to retard oxidation. This coating may be left in place on the rear surface, but should be removed from the front side prior to construction and painting. It may be left in place on both surfaces, but at the risk that some paints, particularly those that are water-based, may not adhere as well. The acrylic coating may be removed with a paste-type paint remover, acetone, or similar solvent. The sides will begin to oxidize as soon as they are stripped, but this is not a problem if the brass is cleaned well before priming and painting.

Microscope slide cover glass makes a fine window material, but clear styrene or acetate sheet stock is also good, and easier to work with. Of course, final attachment will have to wait the painting and finishing steps. Grabiron "dimples" or tiny holes have been etched into the rear of the brass sides to permit easy drilling for those wishing to add wire grabirons.

#### DECALS AND PAINTS

Milwaukee Orange: Floquil 162

Milwaukee Passenger Maroon: Accupaint 35

Black for roofs: Floquil 17, Scalecoat 10, Accupaint 62

UP Armour Yellow: Floquil 166, Scalecoat 22, Accupaint 67

UP Harbor Mist Gray: Floquil 167, Scalecoat 32, Accupaint 68

N-scale decals for these cars in any of the three paint schemes have not been available from major sources. In early 2007, Brian Rumler (one of our customers) invested in custom decals in the UP scheme, and these are available through him at [www.kkmodeltrains.com](http://www.kkmodeltrains.com). Brian will produce the earlier schemes when sufficient reservations reach him. Contact him at [brrumler@msn.com](mailto:brrumler@msn.com), (507)363-0333, 235 Nature Valley Place, Owatonna, MN 55060.

Refer to our catalog sheets for illustrations of all of our brass side sets and kits. Other Milwaukee Road side sets in HO and N are listed below.

1948 *Hiawatha* RPO-Express (1208-30) with separate doors, 173-52 and 173-552

1948 *Hiawatha* "Tap Lounge" (162-67, 172-3), 173-53 and 173-553

1948 *Hiawatha* 75' Express (1317-29) with separate doors, 173-54 and 173-554

1948 *Hiawatha* 40-seat Diners (115-126), 173-55 and 173-555

1948 *Hiawatha* 75' Baggage-Dorm (1309-1314), 173-57 and 173-557

1948 *Hiawatha* "Touralux" 14-Section (5740-51), 173-58 and 173-558

The production of future cars depends on customer reservations. To receive our N-scale catalog, reservation sheet, and current bulletin, please send a two-stamp SSAE to: **BRASS CAR SIDES**, 715 S. 7th St., St. Peter, MN 56082. Dealer terms are available. Address e-mail to [dchenry@gac.edu](mailto:dchenry@gac.edu). See our web page at [www.brasscarsides.com](http://www.brasscarsides.com).

