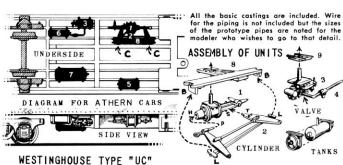


CAL SCALE

Passenger Car Parts

A Divison of Bowser Mfg. 1302 JORDAN AVE **PO BOX 322** MONTOURSVILLE, PA 17754 PHONE: 570-368-2379 9:00 to 5:00 Eastern Time: Orders: 800-327-5126 9:00 TO 5:00 Eastern Time FAX: 570-368-5046 (24 hours a day)

Westinghouse "UC" Air Brake System for All Standard Steel Passenger Cars #190-300



AIR BRAKE SYSTEM

FOR ALL STANDARD STEEL

ASSENGER CARS

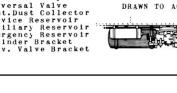
IMPORTANT-Seperate parts from runners with EXTREME CARE using a razor blade. Assemble first, the Tanks and Valve, ing a razor blade. Assemble first, the Tanks and Valve, then the Cylinder as follows. Insert piston "P" in hole "H" then snap tip "T" into slot "S". Now slip on bracket "8" and glue the lever supports "L" to bracket at "B" (two points). Last lightly glue levers "o Cylinder at "H" and "S". " : basic units are now assembled. assembled.

ATTACHING THE SYSTEM TO CARS If your car is an ATHERN or like car, with a deep center beam, the levers must be cut off ("C" in ATHERN diagram) flush with bracket.

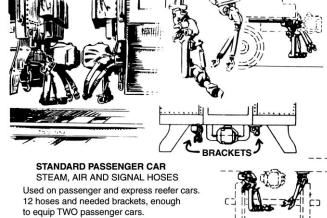
Shown here is the standard arrangement of parts. In most cases the Brake Cyl., will be close to side of car. The location shown is on cars with a shallow center beam or old wooden cars modernized. The Brake Set may be located in the middle of the car or towards either end depending upon what other equipment is under the car.

The Train Line "A" continues to the ends of the car where the air hoses attach. The Brake Lever Rods "BL" run to each of the trucks. All pipes but the Train Line are 1" Diamiter. Rest are 1;".

) **† 💬** ENLARGED VIEW AUXILIARY RES. IVERSAL VALVE UNDERSIDE 6 c/2 BRAKE CYLINDER BL 1 7 BL ALVE PIPING TRAIN LINE 15 " PIPE from back of valve 5 5 1-Brake Cylinder 2-Lever assembly ENERGENCY RES SERVICE RES 2-Lever assembly 3-Universal Valve 4-Cent.Dust Collector 5-Service Reservoir 6-Auxiliary Reservoir 7-Emergency Reservoir 8-Cylinder Bracket 9-Univ. Valve Bracket DRAWN TO ACTUAL "HO" SCALE the second SIDE VIEW



AB-300 CAL-SCALE Air, Steam and Signal Hoses For passenger cars and express reefer cars #190-275



#190-275 Plastic

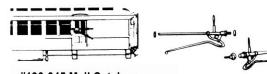


FREIGHT CAR AIR HOSES PLASTIC OR BRASS For realistic effects hoses may be bent into a semi curved position.	
FREIGHT CAR STANDARD AIR HOSES Air hoses for freight cars of all types and cabooses. 20 hoses and brackets, enough to equip TEN cars. #190-276 In Plastic	
STANDARD AIR HOSES IN BRASS For locomotives, tenders and all types of cars. 4 hoses cast in brass #190-277 In Brass	

HO Plastic & Lost Wax Brass

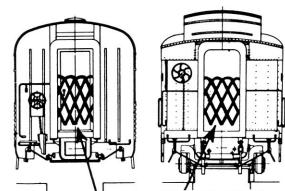
CAL SCALE

Freight and Passenger Car Parts



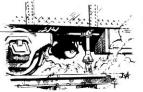
#190-345 Mail Catcher Mail Catchers for your RPO cars. Used on cars of

all eras from wood to the modern streamline RPO cars. A sharp realistic bit of detail.



PASSENGER CAR SAFETY TAIL GATES HIGHLY DETAILED TAIL GATES. EVERY RIVET THERE. SO REAL'ISTIC IT LOOKS AS IF YOU COULD ACTUALY FOLD THEM UP. A BEAUTIFUL FINISHING TOUCH FOR YOUR PRIZED "VARNISH" OR STAINLESS STEEL GEM.

#190-309 Passenger Car Safety Gate - Brass (pair) #190-486 Passenger Car Safety Gate - Plastic (pair)



#190-350 (pair) vAPOR tRAPS Standard and Streamline passenger cars. Average application, two to a car,

Steam Vapor Traps For Streamline passenger cars #190-358 pair



The average car uses four traps. Baggage and RPO cars use two. Some heavier cars, like Dinners and Lounge cars use six. The illustration, above right, shows the placement of both Vapor Traps and Receptacles.

