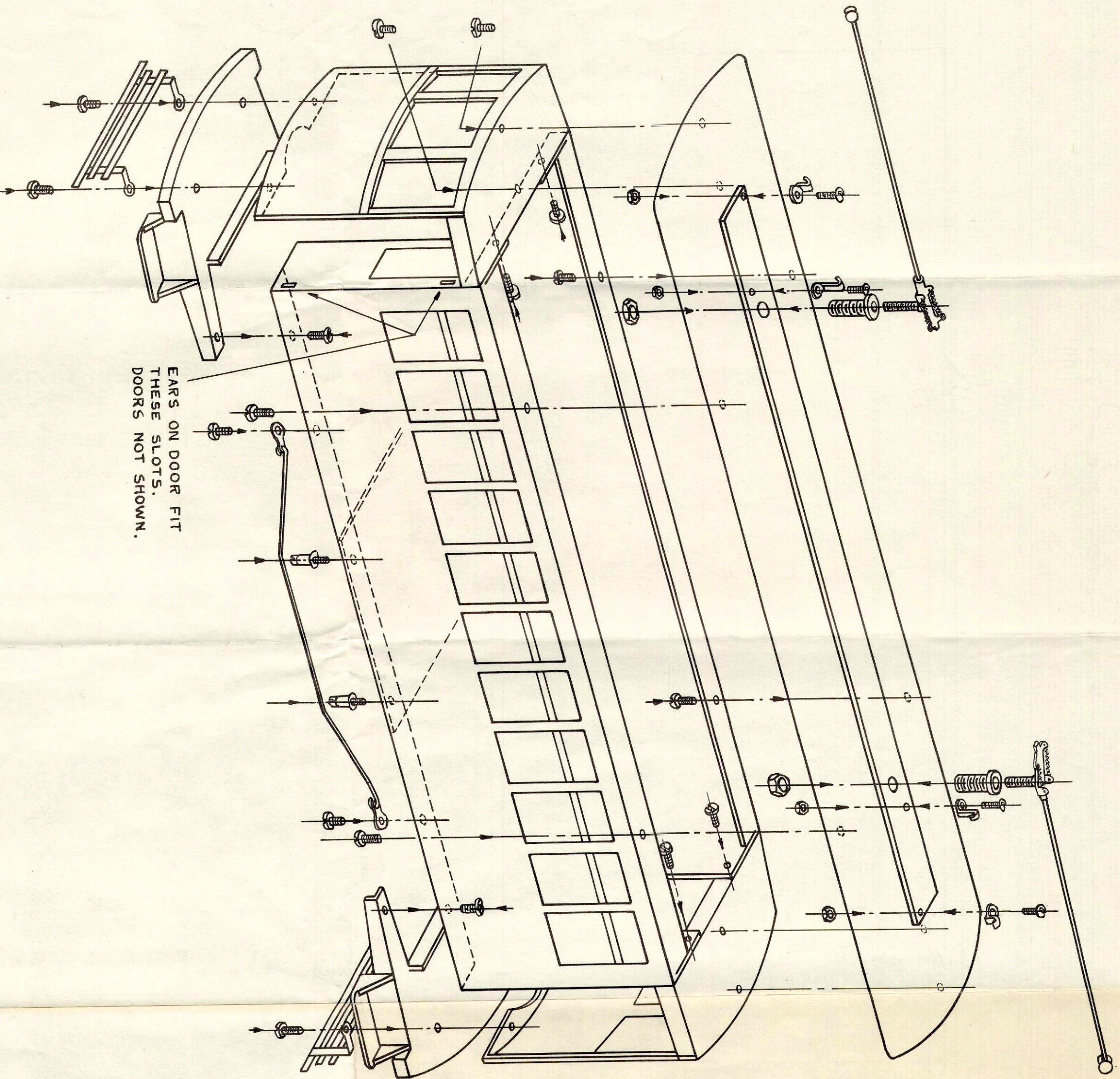


# INSTRUCTIONS

## Model 501 Trolley Body Kit

Study Carefully Before Attempting to Assemble This Kit



### Recommended Tools

Thin blade screw driver with at least 3" blade and preferably with screw holding attachment.  
Long nose pliers.  
Set of needle files.  
Bench vise.

### Procedure

- File flash from all die castings.
- Paint all metal parts as desired. Sides are pre-painted cream and may remain as is in window section. Doors are <sup>like window</sup> pre-painted red and need not be refinished unless desired. Roof may be used as molded, or painted with plastic paint, available from your hobby dealer.
- Insert trolley pole bushings through roof walk and roof in large holes provided. Temporarily retain with #8-32 brass nuts. Attach four trolley hooks with #2-56 x 5/16" round head machine screws and nuts—short hooks at ends of roof walk and long hooks near pole bushings. Short hooks point toward side of car—long hooks toward center line of car. Connect two end hooks with long jumper wire. Connect two inside hooks with short jumper wire. Lugs on jumper wires go under nuts holding hooks in place. (Inside hooks are not used when operating from overhead trolley wire.)
- Place acetate sheets inside front castings and press down to conform to shape of ends, using door stampings which fit inside castings.
- Screw hood braces to top flanges of front castings, inserting #2-56 x 3/16" round head self tapping screws from inside of front casting flanges.
- Screw fenders and platforms to bottom flanges of front castings, inserting #2-56 x 3/16" round head self tapping screws through fenders, then platforms into front castings.
- Place car sides on platform knees and secure with four #2-56 x 3/16" round head self tapping screws from inside car sides at each corner of body. Tabs on doors engage slots in ends of car sides.
- Fasten ends of car sides to hood braces at four top corners with #2-56 x 3/16" round head self tapping screws from inside body.
- Screw roof to hood braces using #2 x 3/16" binding head self tapping screws (course thread) through hood braces from inside into roof. Place plastic window strips inside car sides with flanges of window strips down against top flange of sides. Insert four #2 x 3/16" binding head self tapping screws (course thread) through window strips and car side flanges into roof.
- Place floor plate inside bottom flanges of car sides and secure with four #0-80 x 3/8" filler head machine screws using eyelets under screw heads. Align slots in screw heads lengthwise with car body.
- Connect wires on trucks in accordance with wiring diagram furnished with trucks. Leads with large holes attach to pole bushings on roof under #8-32 nuts. Lead with small hole attaches to outer trolley hooks—use separate nut on top of existing jumper connection. Third rail shoe, if used, connects to inner trolley hooks—use separate nut as above.
- Fasten truck mounting brackets inside lower flanges of car sides with screws provided with trucks. Place solder terminal under each screw head which will be used to anchor truss rod. Bend lugs down slightly away from car side after tightening.
- Bend small hook on end of brass wires (truss rods) and insert in small hole of terminals and clinch. String wire through slots in #0-80 machine screw heads and draw taught in opposite terminal hole. Clinch and cut off excess wire.

**Note:** The floor plate in this kit has been punched to receive the following underbody details manufactured by the Wagner Car Company and obtainable thru your hobby dealer.

C-12 Restors	set of 3	\$ .40
C-80 Brake Cylinder	ea.	.30
C-30 Compressor	ea.	.35
C-70 Air Tank	ea.	.25

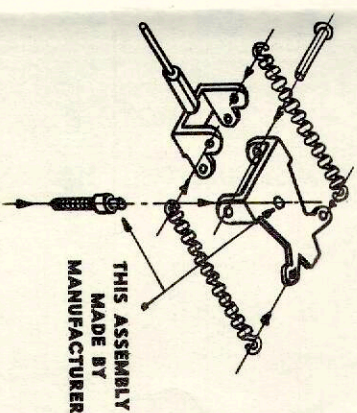
### MODEL 501 PARTS LIST

Part No.	Name	Price Each	Part No.	Name	Price Each	Part No.	Name	Price Each
22-60E	Roof	\$1.00 ea.	95-11B	Front Hood Brace	\$.50 ea.	#2-56 x 5/16"	Round Head Machine Screw	6 for \$1.10
22-62A	Roof Walk	.25 ea.	95-12A	Hood Brace	.35 ea.	#2-56	Hex Brass Nut	6 for .10
20-185	Pole Hook—short	.10	20-120	Door Car Side	.25 ea.	#8-32	Hex Brass Nut	6 for .10
20-186	Pole Hook—long	.10	20-112C	Window Strip	.75 ea.	#0-80 x 3/8"	Fillister Head Machine Screw	6 for .15
86-6	Jumper—short	.15 ea.	22-65A	Floor Plate	.25 ea.	#2-56 x 3/16"	Round Head Self Tapping Screw	6 for .10
86-7	Jumper—long	.25 ea.	85-15	Trolley Pole Spring	.10	#2 x 3/16"	Binding Head Self Tapping Screw	6 for .10
20-205	Fender	.50 ea.	85-15	Trolley Pole, complete	.75 ea.	A1537	Eylet	6 for .10
95-108	Platform							

If your hobby dealer cannot supply you with the above replacement parts, they may be obtained directly from the factory.

### ASSEMBLY OF POLES

- Place brass escutcheon pin through ears on stampings, ears on part affixed to pole going on outside. Crimp pin outside outer stamping by placing between vise jaws and squeezing. Cut off excess pin.
- Hook springs in holes provided in pole socket and pole base.
- Poles screw into bushings in car roof.



Manufactured By

PITTMAN ELECTRICAL DEVELOPMENTS CO., SELLERSVILLE, PA., U.S.A.