

# Baldwin Road Switchers

## AS16, AS616, RS12

Bowser - Stewart Hobbies

PO Box 322

Montoursville PA 17754

www.bowser-trains.com

www.stewarthobbies.com

### Part I

#### GENERAL INSTRUCTIONS AND TOOL SUGGESTIONS

Small Phillips & Flat Screwdrivers  
Liquid Plastic Cement with Brush  
Cyanoacrilate Cement (ACC)  
Modelers Knife

Pin Vise  
#57 Drill Bit  
Plastic Cutters  
Small Tweezers

Note: Refer to the exploded view during assembly. The front, rear, left, and right side of each unit is identified. Remove parts from the sprue carefully, verifying that all gate material has been removed. Glue must be applied sparingly from the inside of the shell, allowing capillary action to draw the cement into the joint or hole.

### Part II

#### SUPERSTRUCTURE ASSEMBLY

**Step (1).** The hood (1 or 2), cab (3) and the deck (4 or 5) are snapped together and fastened to the chassis with two screws (66). Remove each screw (66) to separate the superstructure from the chassis.

**Step (2).** Begin to separate the superstructure by removing the cab (3). Unsnap the hood (1 or 2) from the deck (4 or 5).

**Step (3).** Refer to the exploded view diagram to install appropriate handrails and lift bars (39 – 50) using the provided mounting holes.

**Step (4).** Choose a location for the horn (51). Drill a hole using the pin vise and #57 drill bit. Apply cyanoacrilate (ACC) glue to the stem of the horn. Install the horn into the hole.

**Step (5).** **AS16 / 616 ONLY:** Install the bell (52) using ACC glue in the notch provided at the front of the hood (1).

**Step (6).** Install the cab glass (57 & 58).

**Step (7).** **AS16 / 616 ONLY:** Install the short headlight lens (55) into the front of the body (1), and the long headlight lens (56) into the rear of the body (1). Install each from the outside after noting the front and rear orientation on the exploded view instruction sheet.

**Step (8).** **RS12 ONLY:** Install the long headlight lens (56) into the front of the body (1), and the short headlight lens (55) into the rear of the body (1). Install each from the outside after noting the front and rear orientation on the exploded view instruction sheet.

**Step (9).** Snap the hood (1 or 2) into the deck (4 or 5). Slide the cab (3) into place over the hood (1 or 2). Place the ends of the handrails (44,45) into the holes in the cab rear. Note: If you do not see holes for the handrails on the cab rear, then the cab is installed backward.

### Part III

#### FINAL ASSEMBLY

**Step (1).** **AS16 & RS12 ONLY:** Install each brake cylinder (59) into the holes in the sideframes (18). The use of cyanoacrilate (ACC) cement is optional.

**Step (2).** **AS616 ONLY:** Install each brake cylinder (60), brake arm (61), and brake rod (62) into the provided holes in the sideframes (28). The use of cyanoacrilate (ACC) cement is optional.

**Step (3).** Place the assembled superstructure over the powered chassis. **Note: The frame (6) must be properly oriented to allow the deck (4 or 5) to seat properly. Refer to the exploded view diagram. Notice that the rear of the frame (6) has an extension of metal that is not present in the front of the piece. Also, note the front and rear orientation of the hood (1 or 2).** Turn the assembly upside down and place on a padded flat surface. Assemble the coupler (63) or select the X2F (67) and place it into the coupler box (64) and install the coupler lid (65). Slide the coupler assembly into the opening of the pilot. Install using the provided screw (66). **Note: Do not use the shallow coupler boxes that are enclosed in the hand-rail parts bag. They are used for a different version of this model. Only use the parts as shown on the exploded view drawing to install the couplers.**

**Step (4).** Press the air tanks (53 & 54) into the receptacles on the underside of the deck (4 or 5).

### Part IV

#### GENERAL INFORMATION

##### Painting Truck Sideframes

Modelers who wish to paint or weather truck sideframes (18, or 28 & 29) may wish to remove them to prevent paint over spray from impairing electrical pickup. Begin disassembly by removing the each screw (38) that hold the circuit board (35 or 36) in place. Rotate the circuit board for access to the worm housing (20 or 31). Each worm housing has two legs extending inward. Release the housings by prying the legs outward with a small flat screwdriver. Disconnect the connector wires (17 or 27) from the Molex connectors on the underside of the circuit board by sliding the Molex housing toward the middle of the board. Pull lightly on the wire if necessary using a needle nosed pliers. The worm gear assembly (32, 33, 34, 71) and universal shaft (69 or 70) can be removed by prying upward with a small flat screwdriver. The frame (6) can now be lifted upward and away from the trucks. The sideframes are locked in place by a retainer clip (19 or 30). Four tabs extend upward from this clip. These tabs are only visible when viewing the truck from directly overhead. The retainer clip can be removed by gently prying outward on the tabs. Sideframes can now be pulled away.

##### DCC Information

For DCC users, a DCC compatible plug socket has been provided. Remove the DCC Plug (37) from the main circuit board (35 or 36). Reference your DCC manual for proper decoder installation.

##### Detailing

**RS12 ONLY:** Drill bit starter guides have been placed at various locations on the shell for Detail Associates #2202 Grab Irons (not included).

Note: Our models are very close in appearance to the Baldwin DRS-4-4-1500 (similar to AS16), DRS-4-4-1000 (similar to RS12), and the DRS-6-4-1500 (similar to the AS616).

##### Questions or Problems

We hope that you will be happy with this finely detailed kit. If any questions or problems occur, please inform us. Any problems with defective parts will be responded to promptly.

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