

DPM® LANDMARK STRUCTURES® HO SCALE BUILDING KIT



SCHULTZ'S GARAGE #20100

INSTRUCTIONS

Follow the enclosed HO scale General Instructions for #100 and #200 series kits. The General Instructions will refer to the drawings and instructions included with this kit. Read through all instructions before beginning construction on your kit.

Chimney: Lightly sand bottom of Chimney (201-5) and glue to Roof after Roof installation.

Doors and Windows: Remove Doors and Windows from sprue. Paint them as desired (following General Instructions). Cut Clear Window Material to cover back of window frames and then glue it to the window frames. Take care that glue does not squeeze onto Clear Material where visible. "Flash" occurring inside of openings may have to be removed by scraping lightly with a hobby knife. Glue Door and Window assemblies in place.

Roof: To assemble Gable Roof (201-6), see enclosed Roof Assembly Instructions.

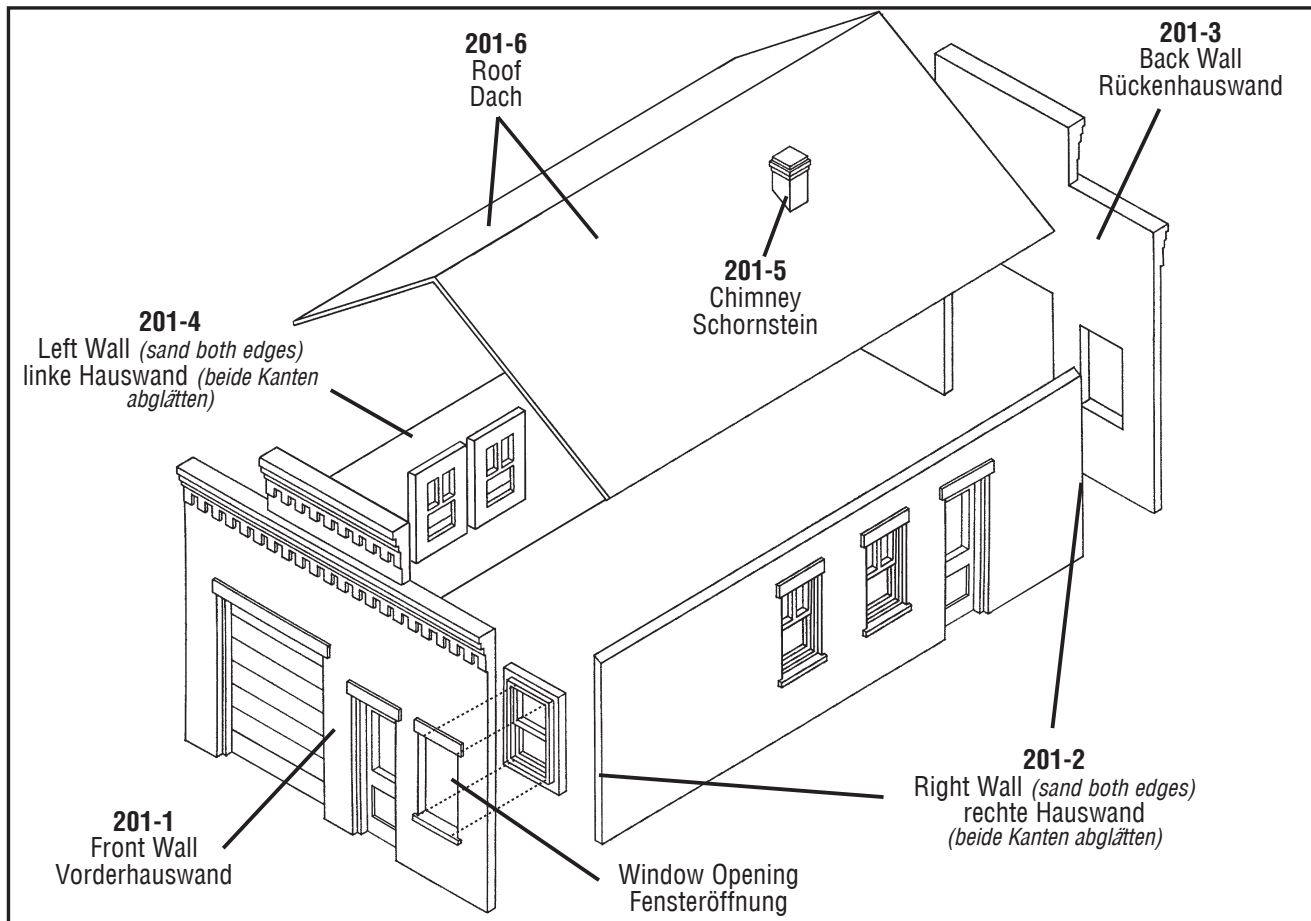
ANWEISUNGEN

Folgen Sie der beigefügten allgemeinen Bauanweisungen für HO- Bausätze der Serie #100 sowie #200. Diese allgemeine Bauanweisungen bezieht sich sowohl auf die Montagezeichnung sowie auf die Montageanweisungen, die dem Bausatz beiliegt. Lesen Sie bitte sorgfältig alle zugehörigen Anweisungen vor dem Zusammenbau Ihres Bausatzes gut durch.

Schornstein: Glätten Sie leicht mit Schmiergelpapier die Unterseite des Schornsteins (201-5) und kleben Sie nach Einbau des Dachs den Schornstein darauf.

Türe und Fenster: Entfernen Sie vom Anguss die Tür- und Fensterteile. Diese können nach Wunsch farblich behandelt werden (der allgemeinen Bauanweisungen befolgen). Klarsichtfolienteile so aus- bzw. zurechtschneiden, dass sie die Fensterrahmen-Rückseite jeweils ganz bedecken. Beim Aufkleben der Folienteile auf die Fensterrückseite darauf achten, dass der Klebstoff nicht hindurch zur Sichtlichkeit läuft. Eventuelle Gratreste sorgfältig durch Abkratzen mit einem Hobbymesser entfernen. Abschliessend kleben Sie die kompletten Fenster- sowie Türteile an den entsprechenden Stellen.

Dach: Zur Montage des Giebeldaches (201-6) siehe beiliegende Dachmontageanweisungen.



Create interest on your layout. Add lights to your buildings quickly and easily using the Woodland Scenics® Just Plug® Lighting System. Bereichern Sie Ihre Anlage: Mit dem Woodland Scenics® Just Plug® Beleuchtungssystem lassen sich Gebäude schnell und einfach beleben.



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MODELING AND CARE INFORMATION This kit suggests the use of materials that may stain or cause damage. Take care to cover project area and clothing appropriately. Follow recommendations for use and cleanup.

Model making product. Not a toy! Not suitable for children under 14 years! / Produit pour le modélisme. Pas un jouet! Pas adapté aux enfants de moins de 14 ans! / Producto para modelismo. No es un juguete! No adecuado para niños menores de 14 años! / Modellbauartikel. Kein Spielzeug! Nicht geeignet für Kinder unter 14!

SCHULTZ'S GARAGE #20100 - ROOF ASSEMBLY

INSTRUCTIONS

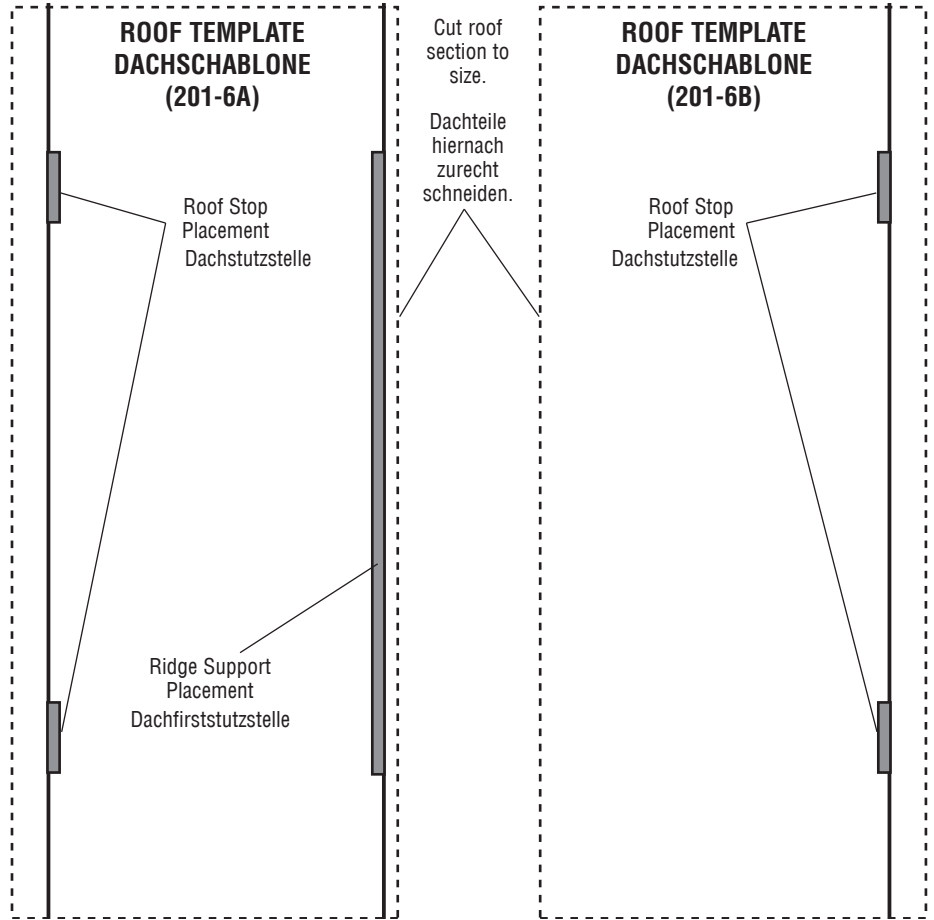
NOTE: Roof Templates indicate underside of Roof Assemble with Plastic Cement.

- Trace Roof Templates **201-6A** and **201-6B** on Styrene Sheet. Use a hobby knife to cut out Roof Sections. Check fit on building. If Roof Sections are too long, trim to fit.
- On underside of Roof Section **201-6A**, draw a line parallel with edge for placement of Ridge Support in the location shown on Roof Template **201-6A**. Mark locations of Roof Stops on underside of Roof Sections **201-6A** and **201-6B**, as shown on the Roof Templates.
- From the Styrene Strip, cut Ridge Support and four Roof Stops the length indicated in Fig. 1. Glue Ridge Support in place where marked on underside of Roof Section **201-6A**. Glue Roof Stops in place where marked on underside of Roof Sections **201-6A** and **201-6B**. Allow to dry before moving to construction, Step 4.
- Place Roof Section **201-6A** on building, with Roof Stops resting on top of building's side. Slide Roof Section **201-6B** into place with Roof Stops resting on top of building's other side. Roof Section **201-6B** should sit against outer edge of Ridge Support (Fig. 2 and Fig. 3).
- While holding Roof in place, turn building upside down. If needed, spot glue to hold in place. Apply glue along Ridge Support and Roof Stops where contact is made with the building. Allow to dry.
- Turn completed building right side up and file overlap on ridge until even. Return to #20100 Assembly Instruction Sheet to continue building construction.

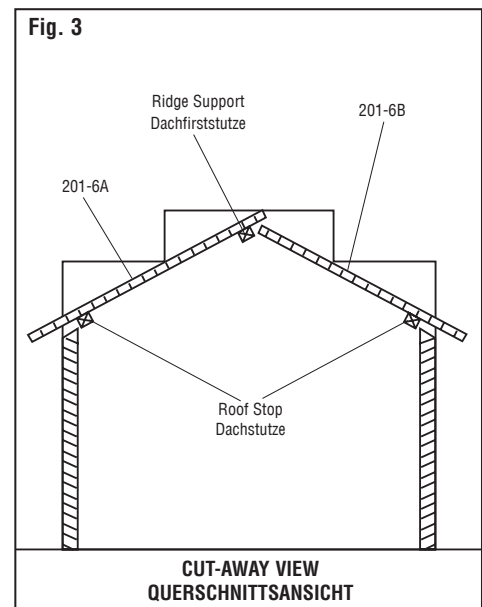
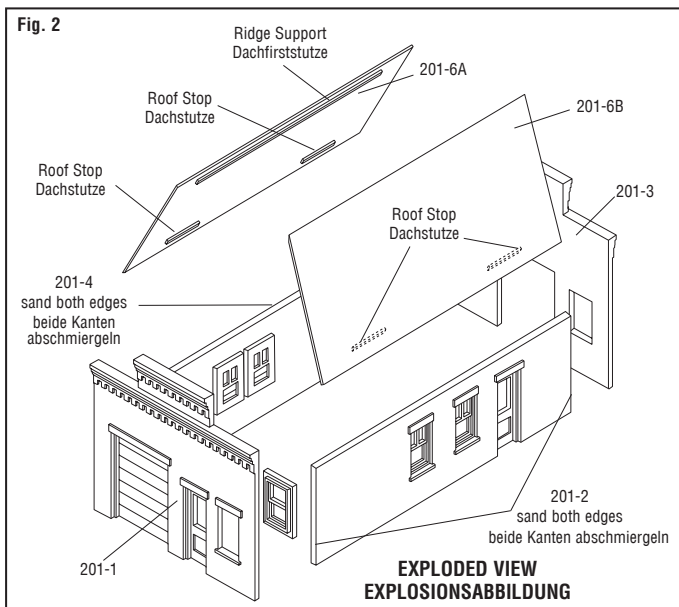
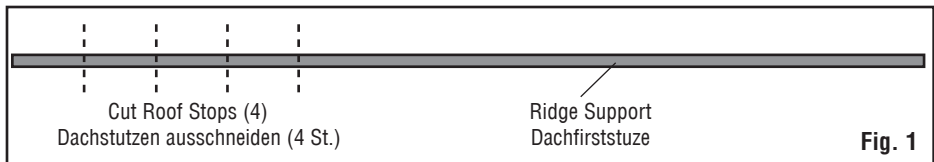
ANWEISUNGEN

HINWEIS: Die Dachschaablonen stellen jeweils die Unterseite des Dachs dar. Für den Zusammenbau verwenden Sie Plastikkleber.

- Zeichnen Sie auf der Styrolplatte den Umriss der Dachschaablonen **201-6A** sowie **201-6B** nach. Mit dem Hobbymesser schneiden Sie dann die Dachteile aus. Die Passgenauigkeit auf dem Gebäude prüfen. Bei Überlänge die Dachteile auf das richtige Mass zuschneiden.
- Zeichnen Sie auf der Unterseite des Dachteils **201-6A** und parallel zu deren Längsseite eine Linie als Lehre zur Befestigung der Dachstützen, wie in der Schablone **201-6A** vorgegeben. Markieren Sie dann an der Unterseite der Dachteile **201-6A** sowie **201-6B** die Stellen vor, an denen die Dachstützen nach Vorlage der Schablonen angebracht werden sollen.
- Vom Styrolstreifen schneiden Sie zur Herstellung der Dachfirststützen sowie der vier Dachstützen nach Fig. 1 Stücke in den jeweils entsprechenden Längen ab. Die Dachfirststütze kleben Sie dann an der auf der Dachunterseite **201-6A** markierten Stelle. An der Unterseite der Dachteile **201-6A** sowie **201-6B** kleben Sie dann ebenfalls an den markierten Stellen die Dachstützen an. Bevor Sie mit dem Bauschritt 4 beginnen, die soweit zusammengebaute Dachpartie abtrocknen lassen.
- Den fertigen Dachteile **201-6A** so auf das Gebäude stellen, dass die Dachstützen direkt oben an der geraden Aussenwand anschliessen. Den Dachteile **201-6B** dann so anbringen, dass er mit den Dachstützen an der gegenüberliegenden Wand ebenfalls direkt anschliesst, dabei darauf achten, dass sich der Dachteile **201-6B** gegen der Dachfirststützen-Aussenkante anlehnt (Fig. 2 und Fig. 3).
- Zum Festhalten der gesamten Dachkonstruktion gegen Verrutschen stellen Sie nun das Gebäude auf dem Kopf, dabei bei Bedarf an geeigneter Stelle zur Abhilfe einen Tropfen Kleber anbringen. Die Nahtstellen zwischen Gebäude einerseits und Dachfirststütze sowie Dachstützen andererseits kleben Sie nun fest. Abtrocknen lassen.
- Das soweit komplette Gebäude stellen Sie wieder gerade auf und feilen Sie den sich an dem Dachfirst befindlichen Überhang ab. Setzen Sie nun nach der Bauanleitung #20100 den Zusammenbau des Modellgebäudes weiterhin fort.



Draw Ridge Support and Roof Stop lines on Roof Sections. Linien zur Ausrichtung des Dachfirststützen sowie der Dachstützen an den Dachteilen markieren.



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Modeling Supplies Needed: Hobby Knife, Plastic Cement, 120-grit Sandpaper, Primer, Model Paints (acrylic or enamel), Painting Tools, Rubber Bands, Scissors, Ruler, Black Construction Paper, Squaring Block, Roof and Trim Kit (#30190), Dry Transfer Decals.

General Instructions

DPM® #100 and #200 Series HO Scale Kits

Read through instructions before beginning. Check kit contents. Collect additional needed supplies. Cover project area with newspaper. The General Instructions are the basic building techniques used to construct HO DPM Building Kits. Refer to individual Kit Instructions located on back of full-color package insert for part numbers and placement and information specific to your kit.

How to Attach Parts

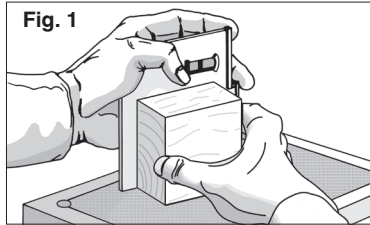
Use plastic cement to glue parts. Plastic cement works by dissolving the surface of plastic and welding parts together. Be careful to avoid contact with detail on parts and visible areas on Clear Window Material. Always allow glue to set thoroughly before moving on to next construction step.

Remove Tabs and Flash

Wash parts in warm, soapy water using a mild detergent. Rinse and let dry. Use a hobby knife and sandpaper to remove excess plastic (tabs and flash) that occurred during the molding process. **Tags:** Score (flush with part), snap off and sand smooth. **Flash:** Lightly scrape along edges to remove debris and sand smooth. Face the cutting edge of blade opposite the direction you scrape as to not cut into the part. **Sprue:** If kit has parts on a sprue, remove by scoring with a hobby knife (flush with part) and snapping off. Sand any parting lines and mold flash. Keep parts on sprue until ready to use.

Prepare Walls

Due to the molding process, some walls have beveled edges. Beveled edges need to be removed for walls to set flush and square. Sand beveled edges with 100-grit sandpaper. Kit Instructions (located on back of full-color package insert) specify which wall edges to sand. Do NOT sand edges that have detailed brickwork, unless specified. To avoid rounded edges, sand wall on a flat surface, applying even pressure.



TIP! Tack sandpaper to a flat surface, and use a "squaring block" with a 90° angle. Hold squaring block in place while sanding walls. Do not sand into detail (Fig. 1).

Assemble Building

Refer to the exploded view shown on Kit Instructions for wall placement and building assembly. Begin by gluing two walls together to form a corner (example: Front Wall [1] to Right Side Wall [2]). Apply glue along the undetailed (sanded) wall edge, attaching it to the backside of detailed wall. Detail should remain visible. A squaring block is helpful for assembly. Try to line-up brickwork on adjacent walls, while keeping bottoms as level as possible. Allow glue to set before attaching next wall. Glue remaining walls together in this same manner.

TIP: Once building is assembled, use rubber bands to hold in place until set.

Entry Doors

Refer to Kit Instructions for specifics on Entry Doors.

Styles of Entry Doors differ and include: Molded as part of Front Wall, Corner Entry Door and Recessed Entry Door with Side Panels.

Types of Side Panels include: Molded Side Panels or styrene Side Panel Material*.

*To make entry door side panels with styrene Side Panel Material, cut styrene strips approx. 1/4" wide and equal with height of Entry Door. Mark height on styrene strip, score with a hobby knife and snap off. Glue to Entry Door at a slight outward angle. Check fit with Front Wall (1) while glue is flexible. Glue Entry Door assembly to Front Wall (1).

Option: Some Recessed Entry Doors can be glued flush with Front Wall. See individual kit for specifications.

Prepare Chimney or Install Chimney Backs

Refer to the Kit Instructions for information on Chimney type and proper assembly.

Molded Chimney: Glue Chimney Back(s) to molded Chimney Front(s).

One-Piece Chimney: Sand Chimney Halves smooth so they fit flush, and glue together. When dry, sand top and bottom level, if necessary.

Prepare Roof

Refer to the Kit Instructions for any special directions on Roof installation.

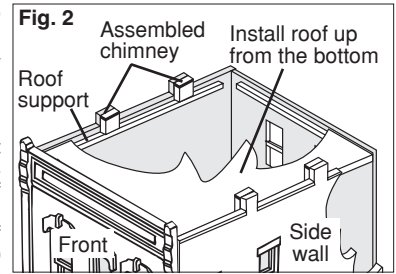
If no special instructions are given, proceed as follows. Measure the inside dimension of roof opening(s). Transfer measurements to a piece of cardstock, cardboard, etc., cut out and test fit on building. Make adjustments as needed. Once you have achieved a good fit, transfer dimensions to Styrene Plastic Sheet (white roofing sheet). Cut out using a hobby knife and a ruler. Test fit and make any adjustments. Paint Roof flat black, if desired. Glue in place according to your Chimney type (see below).

Install Roof

The Roof will be installed according to Chimney type.

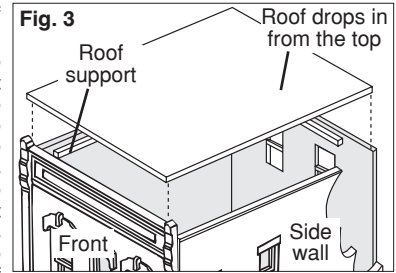
Molded Chimney with Chimney Back:

Insert the Roof from the underside of building, gluing it to the bottom of the chimney back(s). Using the included Roof Support Material, cut support strips. Supports should be shorter than the width of the walls. Glue Supports to set flush on each wall and underside of Roof (where Roof and Wall meet). (Fig. 2) **NOTE:** If no Roof Support Material is included, glue Roof to the bottom of the Chimney Backs.



One-Piece Chimney:

Using the included Roof Support Material, cut roof supports. Supports should be shorter than the width of walls. Glue Supports so they are even with the Supports on other walls. If the walls are different heights, be sure the Roof sets below the top of the lowest wall. Generally, the Roof Supports should be glued about 1/8" below the top of the lowest wall. Glue the Roof to the top of Roof Supports. (Fig. 3)



Install One-Piece Chimney (if applicable)

Glue assembled Chimney to top of Roof in desired location.

Leveling

After assembled building is set and glue is completely dry, carefully sand bottom of building until level. On thumbtacked piece of 120-grit sandpaper, carefully sand bottom of building in a circular motion to level bottom edges so it will sit level on layout. Do not sand brick detail.

Paint Building and Details

Apply a thin coat of primer before painting and let dry.

Airbrush: Use solvent-based, matte finish enamel paint.

Hand-brush: Use water-soluble, matte finish acrylic paint.

Aerosol: Use matte finish spray paint.

We recommend natural brick colors such as rust, tan or other earth tones. Paint door and window trim the same color as the brick or a contrasting color.

Weathering Techniques

Add a realistic mortar-look to brickwork by painting on a concrete mortar wash (formula follows). Using a paintbrush, dab on small amounts of wash until desired look is achieved. Sponge off excess.

Formula: Mix 1-part acrylic paint (color suggestions: concrete or aged concrete), 12-parts rubbing alcohol, 8-parts water and 1 drop liquid dish soap.

Airbrush: Lightly spray thinned flat black paint (color suggestion: grimy black) to areas where natural discoloration can occur (near windows, chimneys, etc.).

Chalk: Rub a dark color of pastel chalk (color suggestions: gray, black, brown, etc.) on sandpaper to create a chalk dust. Using a paintbrush, dab chalk dust where discoloration can occur.

Install Windows

Cut Clear Window Material (clear styrene) to size to fit over an entire area of window openings at one time. Center Window Material over windows on inside of building and carefully dab a small amount of glue around edges. Repeat for each set of window openings.

Finishing Touches

Give your building the illusion of being occupied. Place a piece of black construction paper diagonally from corner-to-corner inside the building to block the light.

Detail the Roof by adding vents and hatches from the Roof and Trim Kit (#30190).

Enhance your building with Dry Transfer Decals for windows and wall signs.

Create interest on your layout. Add lights to your buildings quickly and easily using the Woodland Scenics® Just Plug® Lighting System.

We make every effort to ensure our kits are manufactured complete. However, if this kit is missing a part, please make note of the kit's item number and missing part, and contact the Woodland Scenics Sales and Customer Service Department at PO Box 98, Linn Creek, MO 65052, 573-346-5555 or sales@woodlandscenics.com.