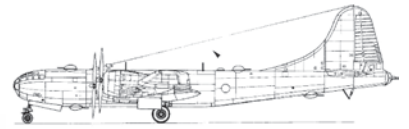


# Instruction Sheet for the **B-29 SUPER UPDATE KIT**

for use with the 1:48 scale Monogram B-29 Superfortress kit



**To facilitate easiest installation possible, please read and understand all directions before assembly.**

1. Wash all parts in a mild dish detergent solution to remove any residual mold release agent. **DO NOT USE HOT WATER**, as the parts might warp! (Conversely, warped parts can be corrected by briefly placing them in hot water to soften, then bending them back to straight.) Allow to dry thoroughly. Minor bubbles or pinholes, if any, are common in resin parts and may be filled with a good quality modeler's putty. Use either CA (cyanoacrylate) glue or 5-minute epoxy to attach resin parts.

2. With a sharp X-Acto knife and fine sandpaper, clean up all parts, using the parts illustrations on this sheet as a general guide.



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## **SPECIAL NOTES:**

Some procedures shown here require advanced modeling skills, in particular the installation of the lower nacelle replacement parts. Please note that the use of these lower nacelle replacement parts requires major modifications to the wings, and slight modifications made to the Monogram kit part no. 44 (left and right Wheel Plates).

## **- PARTS LIST -**



**COWL (X4)**



**COWL SCOOP (X4)**



**COWL FLAPS (X4)**



**CRANKCASE (X4)**



**NOSECONE (X4)**



**CYLINDERS (X72)**



**IGNITION HARNESS (X4)**



**GOVERNOR (X4)**



**PROP SPINNER (X4)**



**PROP BLADES (X16)**



**MAIN TIRE (X4)**



**MAIN WHEEL OUTER (X4)**



**MAIN WHEEL INNER (X4)**



**MAIN WHEEL RIM (X8)**



**NOSE TIRE (X2)**



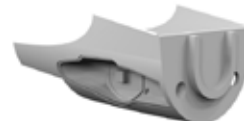
**NOSE WHEEL OUTER (X2)**



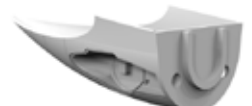
**NOSE WHEEL INNER (X2)**



**TURBO UNIT (X8)  
EXHAUST PIPE (X8)  
WASTE PIPE (X8)**



**INNER NACELLE (X2)**



**OUTER NACELLE (X2)**



**SPINNER DRILLING JIG (X1)**



**PROP SHAFT (X4)**

**TOTAL PART COUNT: 179**

PLEASE CONTACT FLIGHTLINE IMMEDIATELY IF YOUR KIT IS MISSING ANY PARTS:  
[info@flightlineengineering.com](mailto:info@flightlineengineering.com)

# WRIGHT R3350 ENGINE ASSEMBLY

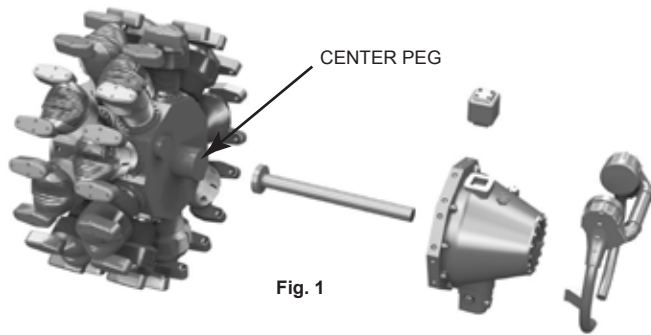


Fig. 1



Fig. 2



ASSEMBLED ENGINE

1. Glue cylinders to crankcase as shown (Fig. 1). If desired, add individual pushrods by using .020" styrene rod or similar diameter wire (not provided).
2. Drill nosecone to accommodate metal prop shaft. It is highly recommended to use a small drill press for this operation, in order to maintain proper shaft hole angle (Fig. 2). Use a .048 - .052" drill bit, starting with the smaller size first. Test-fit the prop shaft as you progress. The goal is to achieve a snug fit, in order to avoid wobbly propellers. The nosecone has a shallow pilot hole, indicating shaft hole location.
3. Trim the metal prop shaft to a length of .60". File off any resulting rough edges.
4. Glue governor and ignition harness to nosecone.
5. Insert metal prop shaft through nosecone as shown. The center peg on the crankcase is designed to hold the prop shaft in place. Test-fit the nosecone assembly to the crankcase assembly, gradually sanding down the crankcase's center peg to a point where only a slight drag is felt when the prop shaft is spun, and the nosecone mates to the crankcase. Once proper tension is achieved, glue nosecone assembly to crankcase assembly. **CAUTION! Take care to not get any glue on the prop shaft!** The nosecone assembly is keyed to the crankcase to ensure proper alignment of these components.

## COWL ASSEMBLY

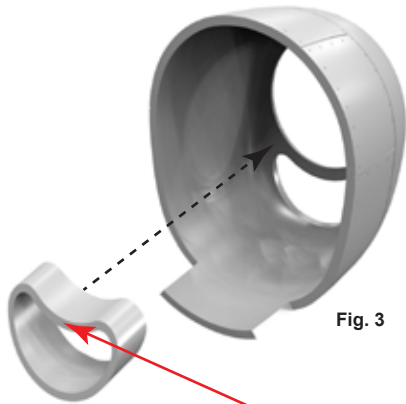


Fig. 3

Sand away material along this edge if cowl scoop interferes with engine.

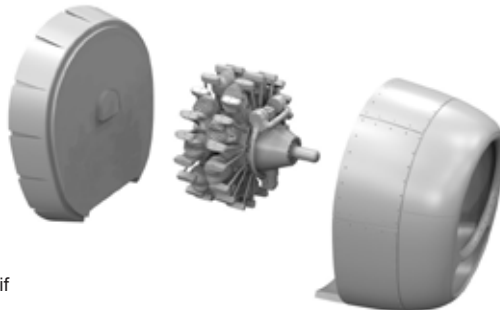


Fig. 4

1. Glue cowl scoops to inside of cowls, as shown (see Fig. 3).
2. Glue engine assembly to cowl flaps (see Fig. 4). These parts are keyed to ensure proper alignment.
3. Glue cowl to cowl flaps.

## PROPELLER ASSEMBLY



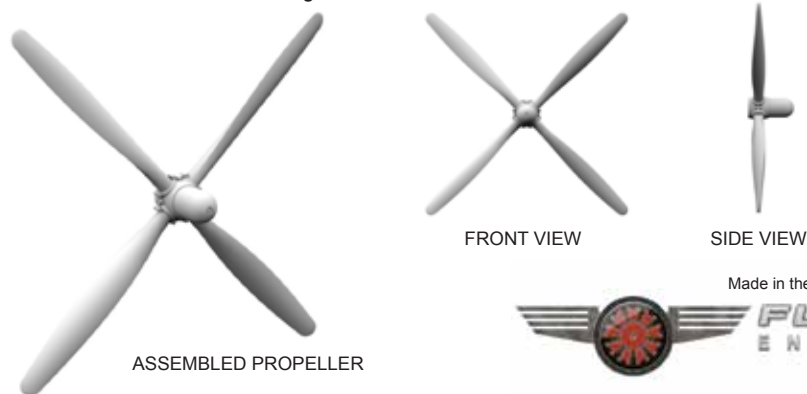
Fig. 5



Fig. 6

1. Drill prop shaft hole into backside of each spinner (see Fig. 5 & 6). A small drill press is highly recommended for this operation. Use the provided jig to hold spinner at the proper angle to the drill press. Use a .047" drill bit. Drill to a depth of .35" - .36".

Glue prop blades to spinner. Both spinner and blades are keyed, in order to ensure proper pitch and angle. View assembly from both front and side to check for proper angles.



ASSEMBLED PROPELLER



## WHEEL/TIRE ASSEMBLY

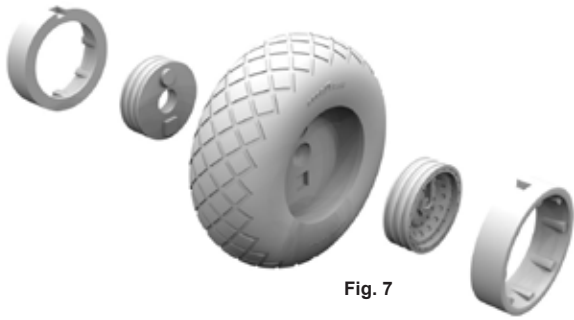


Fig. 7

1. Assemble main wheels and nose wheels as shown in Fig. 7 and 8. Parts are keyed to each other for proper alignment. If fit is too tight, lightly sand around outer edges of wheel parts until wheels drop easily into tires.

2. It is recommended to paint the wheel and tire components before being assembled.

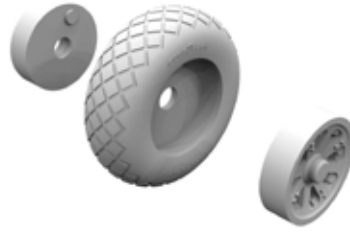


Fig. 8

## NACELLE/TURBOSUPERCHARGER ASSEMBLY

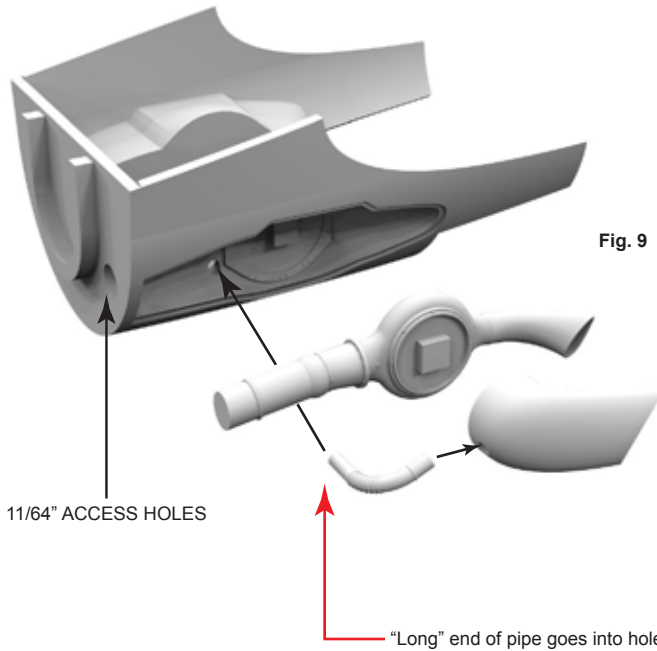


Fig. 9

1. Drill access holes through front of each nacelle unit. Look for the circular indent on the face of nacelle for a guide. Use a 11/64" drill bit.

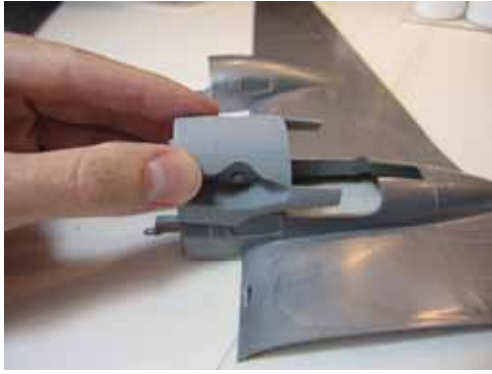
2. Assemble nacelle/turbosupercharger units as shown (see Fig. 9). Please note that there is a left and right version of each turbo component shown. **Note: It is recommended to install the turbo parts after the nacelles are attached to the wings.**

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# NACELLE INSTALLATION



1. Each nacelle is stamped inside either PORT or STARBOARD. Be sure to install the PORT side nacelles on the PORT side wing, and the STARBOARD side nacelles on the STARBOARD wing, as nacelles are NOT interchangeable. The inner nacelles are cast with more sidewall (the walls leading into the landing gear area) than required. It is up to the builder to decide how much or how little of these sidewall extensions they wish to use in order to make a smooth transition. The installation photos shown here show the installation of a complete unit, however for easiest transition, it is recommended to use as little sidewall as possible.



2. Once it is decided how much or little of the sidewall extensions are to be used, carefully mark on the wing where the cuts are to be placed.



3. With a fine tooth saw, make the rough cut. It is recommended to make the cut just slightly smaller than the required size, then file or sand away material until a good fit is achieved between wing and nacelle. CAUTION: Be sure to leave an inner "step" area to glue the nacelle to. Alternately, you can glue in thin styrene strip and create a more positive step area.



4. Clean up all mating surfaces and prepare for gluing nacelle to wing.



5. Tape plastic wing halves together to provide support to the nacelle while the glue is drying. Glue nacelle to wing. 5-minute epoxy is recommended. Fill joints and gaps with modeler's putty, then sand smooth. It is likely that the edge around the landing gear bay will require special attention. Work slowly, checking your work as you go. Repeat the entire process for installing the outer nacelles.

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