

# Allison 501-D13 Prop Jet Engine

"Preserving the Past while Building the Future"



# DECAL APPLICATION INSTRUCTIONS

- 1. Cut desired decal from sheet.
- 2. Dip decal in water for a few seconds.
- 3. Place wet decal on paper towel.
- 4. Wait until decal is movable on paper backing.
- 5. Place decal in position on model, face up and slide backing away.
- 6. Press out air bubbles with a soft damp doth.
- 7. Milkiness that may appear is for better decal adhesion and will dry clear. Wipe away any excess adhesive.
- 8. Do not touch decal until fully dry.
- 9. Allow the decals 48 hours to dry before applying clear coat.
- 10. Decals are compatible with setting solutions or solvents.

NOTE: Decals are compatible with setting solutions or solvents.

# **THIS IS VERY IMPORTANT!**

There are certain areas on your Atlantis Engine that can be lubricated to help parts run smoothly. These points are indicated in your assembly drawings. To lubricate use small amounts of machine oil or Vaseline.

### READ THIS BEFORE YOU BEGIN

- \* Study the assembly drawings.
- \* Each plastic part is identified by a number.
- \* Follow the assembly drawings carefully.
- For better paint and decal adhesion, wash the plastic parts in a mild detergent solution. Rinse and let air dry.
- \* Check the fit of each piece before cementing in place.
- \* Use only cement for polystyrene plastic.
- \* Scrape plating and paint from areas to be cemented.
- \* Allow paint to dry thoroughly before handling parts.
- \* Any unused parts may be discarded.

### LISEZ CECI AVANT DE COMMENCER

- \* Étudiez les plans d'assemblage.
- \* Chaque pièce de plastique est identifiée par un numéro.
- \* Suivez attentivement le schéma de montage
- \* Pour une meilleure adhésion de la peinture et de la décalcomanie, lavez les pièces en plastique dans une solution de détergent doux. Rincez et laissez sécher à l'air.
- \* Vérifiez l'ajustement de chaque pièce avant de la coller en place.
- \* Utilisez uniquement de la colle pour plastique au polystyrène.
- Grattez toute peinture et le placage sur les régions à coller.
  Laissez sécher la peinture complètement
  - avant de manipuler des pièces.
  - \* Toute pièce non-utilisée peut être jetée.

### LEA ESTO ANTES DE EMPEZAR

- \* Estudie los dibujos de ensamblaje.
- Cada parte plástica está identificada con un número.
- Siga el dibujo de montaje con cuidado
- \* Para mejor adhesión de pintura y calcomanías, lave las partes plásticas en una solución de detergente suave.
  Enjuague y deje secar al aire.
- \* Verifique el encastre de cada pieza antes de cementar en su lugar.
- \* Use sólo cemento para plástico de poliestireno.
- \* Raspe las placas y la pintura de las áreas a cementar.
- \* Deje secar la pintura totalmente antes de manipular las partes.
- \* Cualesquiera partes sin usar se pueden descartar.

## **READ THIS BEFORE STARTING YOUR MODEL**

1. All parts are numbered for easy identification, or the numbers are engraved on the bar next to the part. Carefully remove each part from it's runner bar only when that part is to be used.

**2.** The color indicated next to part No. is the color the part is molded in. This will help you identify parts more easily.

**3.** Your model is molded in **four colors** and designed to eliminate painting of any parts.

**4.** The drawings are numbered for ease of assembly. Start with Step 1 and cement Part 1 to Part 2, etc.

Enjoy your Allison 501-D13 Engine!

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Place assembly 8 into assembly 7. Cement this assembly to assembly 10. Rotate shaft of assembly 8 to engage shaft in assembly 10, as shown in Drawing C. DO NOT let cement touch gear case cover.

assembly 9, as shown in small Drawing B.

Cement 35 to 36. Cement completed 35 and 36 to assembly 11, as shown. Cement 37, 38 and 39 into place, as shown. Set aside to dry.









vanes properly then remove assembly. Set this aside until final assembly.

each chamber into 197. Now cement 198 to 199. SEE DRAWING 33A: Cement 200 to 201. Now cement 202 to front of 200 and 201.



Apply cement to torque meter housing. Now cement

205, 206 and 207 into place as shown. Place engine as-

sembly onto stand. SEE 37A FOR POSITIONING ENGINE

DO NOT turn blades by hand. To adjust pitch control,

turn spinner nose section, not by turning blades.

locating nozzles into ends of combustion chamber units. Place DO NOT cement assembly 33A into place compressor door into hole in compressor housing, then as shown, since this part may be removed if desired, place opposite pin on door into hook on combustion Slide assembly 35 and locate to back of compressor chamber, as shown,

ing. Now cement chamber to housing. Slide pin on