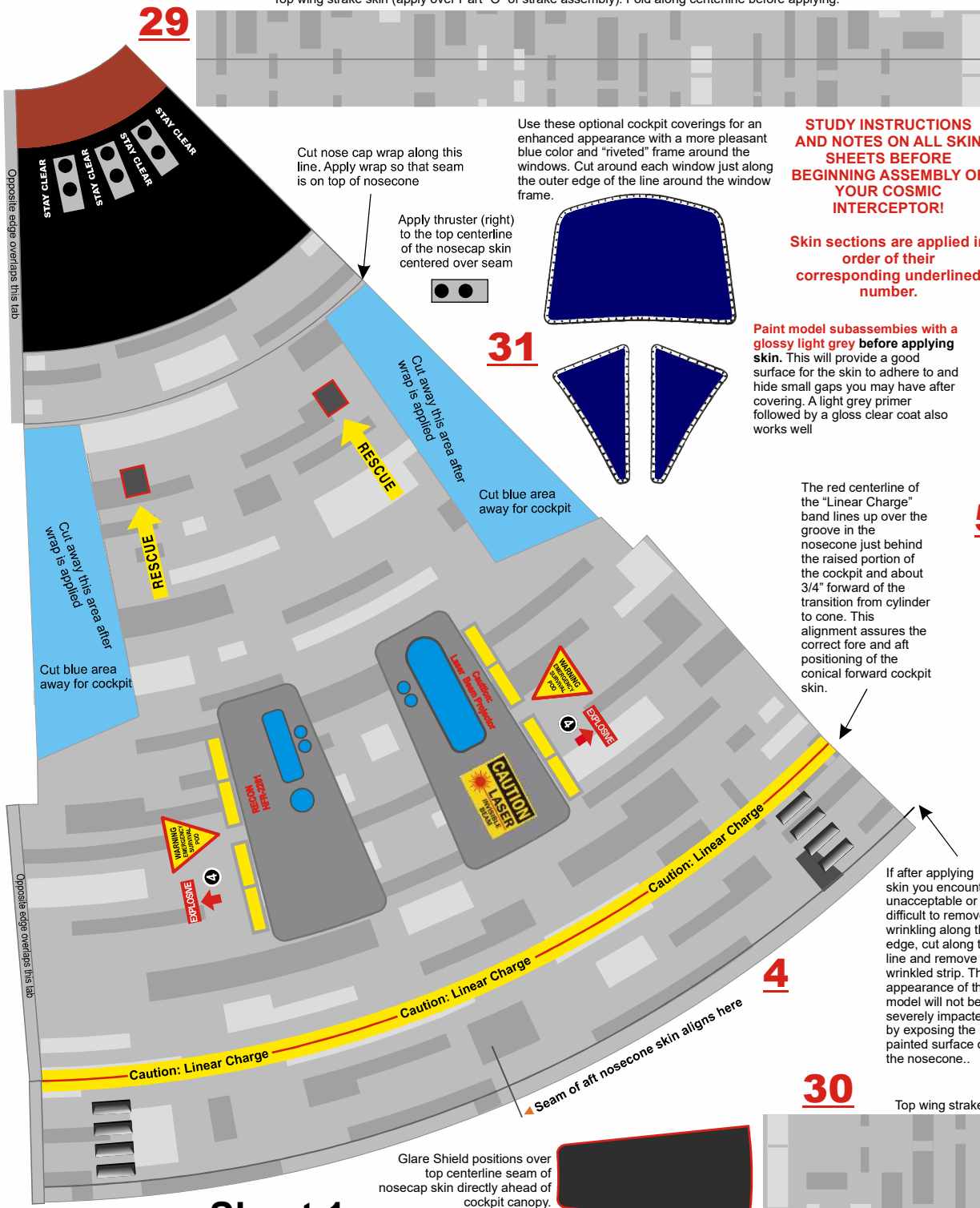


This edge applies to nosecone first. Cut skin from sheet. Peel back about 1" of the skin from the backing along this edge and cut a 1/2" strip of backing from this edge. Replace backing and press skin back down over backing to retain 1/2" strip. Dry fit skin (with backing in place) beginning by aligning this edge with the top molded seam of the nosecone and also aligning the "Linear Charge" centerline with corresponding groove that runs around the nosecone. When satisfied with positioning and while holding tightly in place with one hand, carefully remove 1/2" backing and press exposed skin material adhesive to nosecone. Remove remainder of backing and adhere rest of skin in place.



**29**

Top wing strake skin (apply over Part "O" of strake assembly). Fold along centerline before applying.

Cut nose cap wrap along this line. Apply wrap so that seam is on top of nosecone

Apply thruster (right) to the top centerline of the nosecap skin centered over seam

Use these optional cockpit coverings for an enhanced appearance with a more pleasant blue color and "riveted" frame around the windows. Cut around each window just along the outer edge of the line around the window frame.

**STUDY INSTRUCTIONS AND NOTES ON ALL SKIN SHEETS BEFORE BEGINNING ASSEMBLY OF YOUR COSMIC INTERCEPTOR!**

Skin sections are applied in order of their corresponding underlined number.

Paint model subassemblies with a glossy light grey before applying skin. This will provide a good surface for the skin to adhere to and hide small gaps you may have after covering. A light grey primer followed by a gloss clear coat also works well

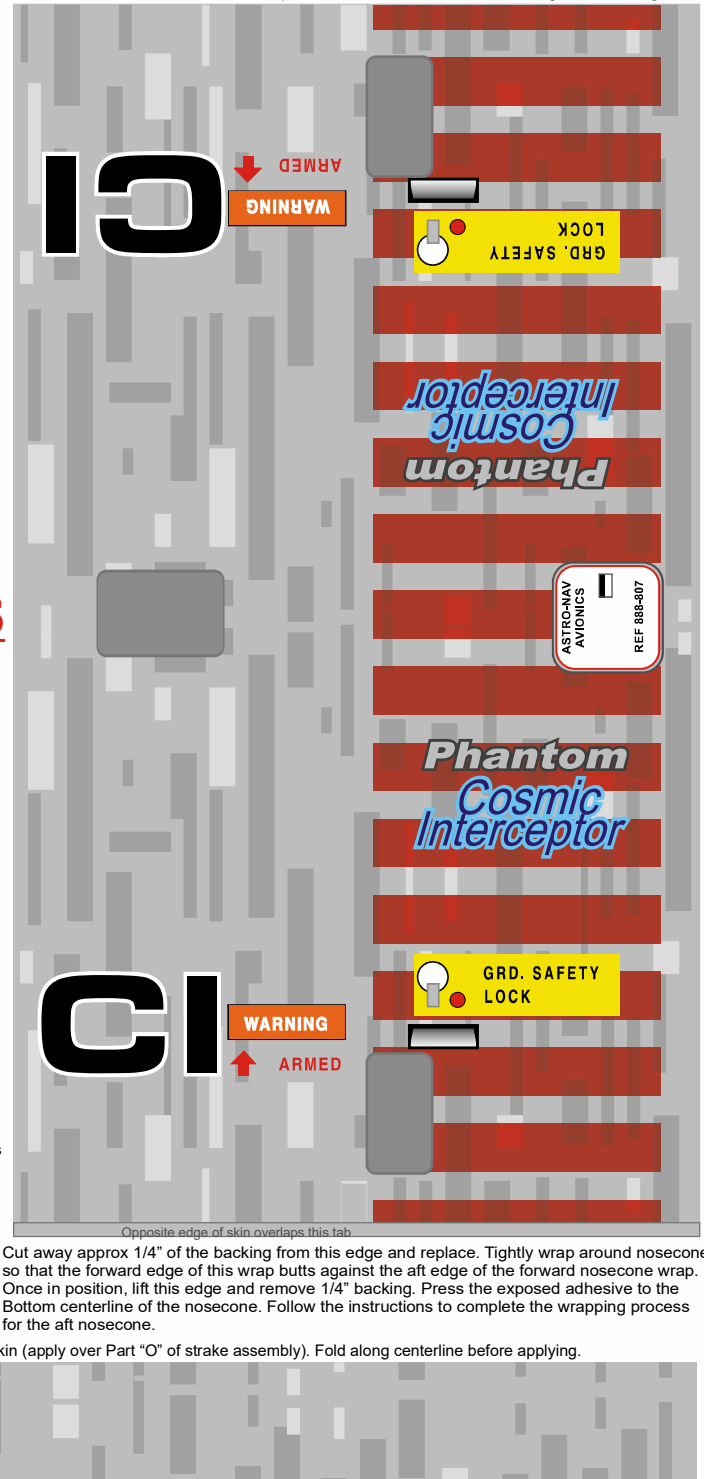
The red centerline of the "Linear Charge" band lines up over the groove in the nosecone just behind the raised portion of the cockpit and about 3/4" forward of the transition from cylinder to cone. This alignment assures the correct fore and aft positioning of the conical forward cockpit skin.

If after applying skin you encounter unacceptable or difficult to remove wrinkling along this edge, cut along this line and remove wrinkled strip. The appearance of the model will not be severely impacted by exposing the painted surface of the nosecone..

Glare Shield positions over top centerline seam of nosecap skin directly ahead of cockpit canopy.



This edge of aft cockpit skin is positioned exactly opposite the seam of the fore cockpit skin. There is a thin black line printed on the forward skin that will align with this edge.



**5**

Cut away approx 1/4" of the backing from this edge and replace. Tightly wrap around nosecone so that the forward edge of this wrap butts against the aft edge of the forward nosecone wrap. Once in position, lift this edge and remove 1/4" backing. Press the exposed adhesive to the Bottom centerline of the nosecone. Follow the instructions to complete the wrapping process for the aft nosecone.

Top wing strake skin (apply over Part "O" of strake assembly). Fold along centerline before applying.

**30**

Rev 2-4-17

**Sheet 1**

**"Phantom" Cosmic Interceptor**

Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using

**Before starting, make copies of all sheets as instruction reference**

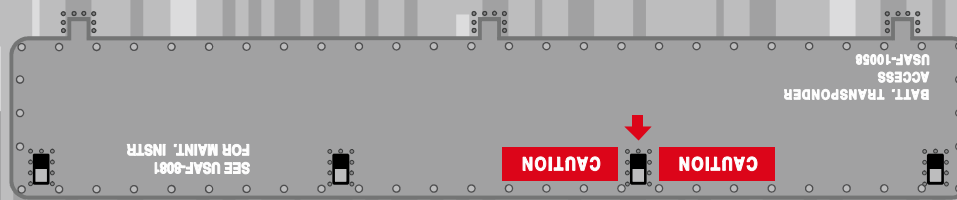
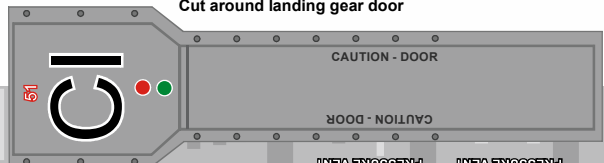
Cut around landing gear door

Before starting, make copies of all sheets as instruction reference

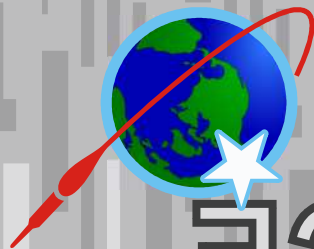
Apply this body tube wrap last

3

Spray light coat of clear (such as ACE Premium Gloss Clear) to sheet before using



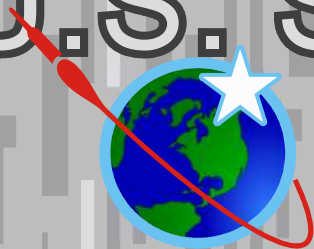
51



U.S. SPACE FORCE

Forward edge of body tube

51



U.S. SPACE FORCE



Opposite edge of skin overlaps this tab

Opposite edge of skin overlaps this tab

For All Body Wrap Sections: After you cut each body wrap and its backing from its sheet, place it face up on a clean flat surface and peel about 1" of the skin back along the length of this edge. Cut away approximately 1/4" of the backing from this edge and replace...seal the skin back over backing to hold the 1/4" strip in place. Pre-fit and dry-wrap (don't remove backing) around body tube so that the aft edge of the first wrap is either flush with the aft end of the body tube and each succeeding wrap butts perfectly against the previous body wrap, depending on which skin wrap you are working with. Once you have aligned the wrap and while still holding tightly in place with one hand, lift this edge and remove the 1/4" backing strip. Press the exposed adhesive to the bottom centerline of the tube, starting by pressing down from the middle of the wrap edge to the rear and then midway of the wrap edge to the front. "Swing" the wrap away from the body and partially remove the backing so that you can smoothly adhere remainder of the wrap to the body. Work smoothly and slowly, avoiding wrinkles or air pockets.

▲ Apply this edge to body tube first ▲

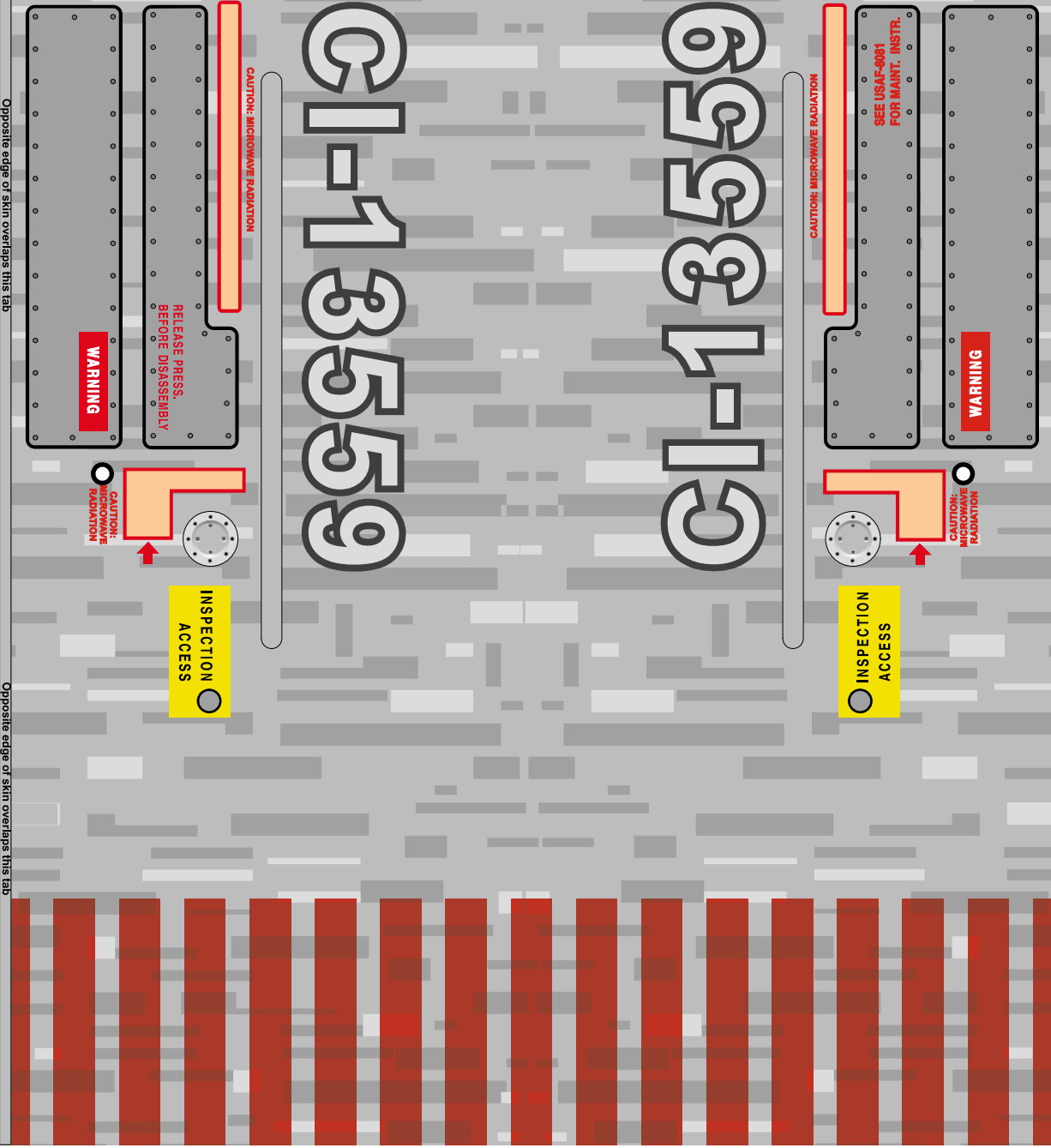
"Twilight Default" print

"Phantom" Cosmic Interceptor

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Inside left underwing strake skin (apply to strake assembly after applying outside strake skin)

Apply this body tube wrap second



Opposite edge of skin overlaps this tab

Opposite edge of skin overlaps this tab

Apply this edge first

This edge butts against forward edge of aft body tube skin

**2**

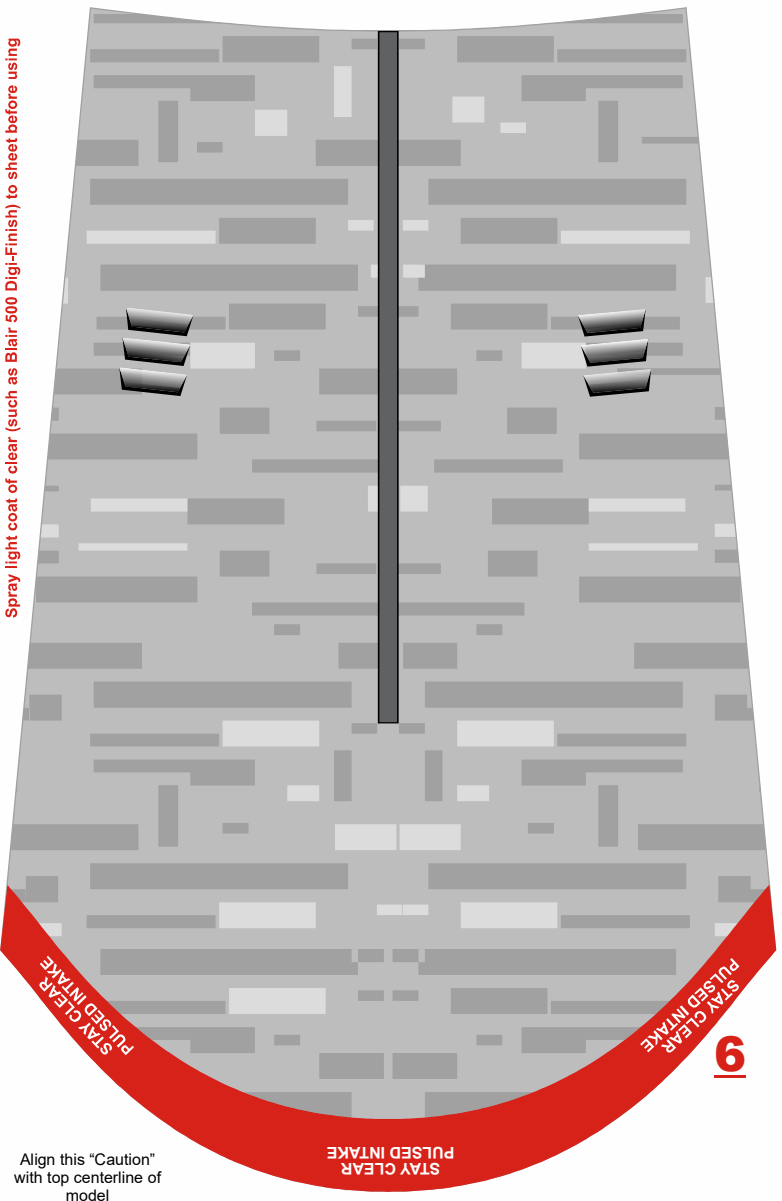
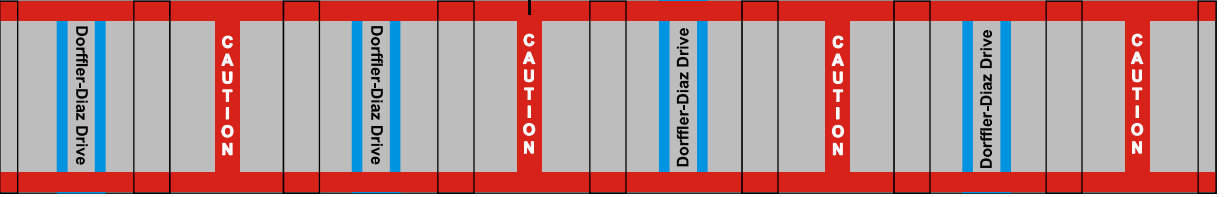
Before starting, make copies of all sheets as instruction reference



Rev 2-4-17

**31**

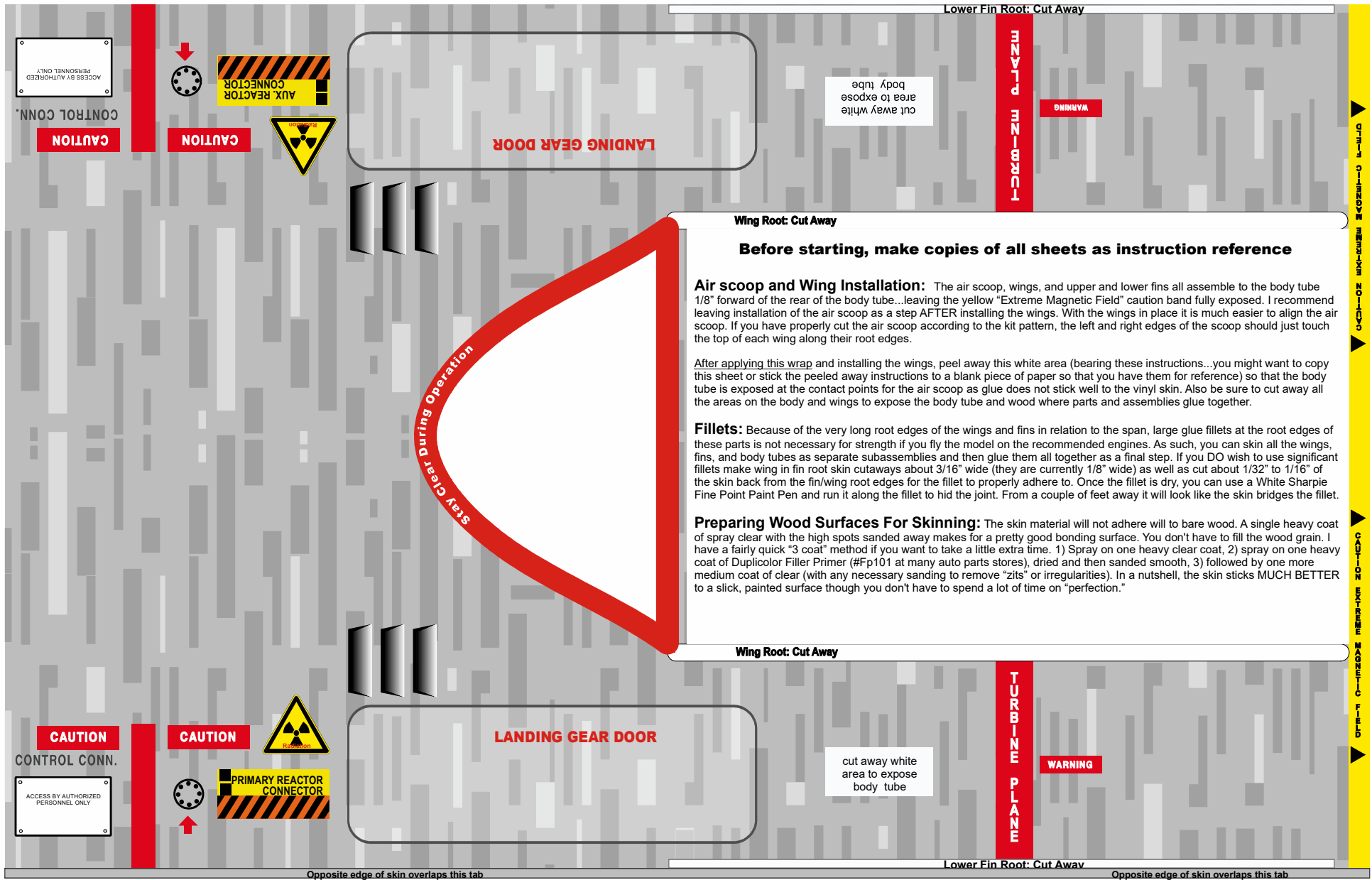
# "Phantom" Cosmic Interceptor Sheet 3



Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using

Align this "Caution" with top centerline of model

Apply air scoop skin to the supplied body tube in kit. Use the outline of the skin as a pattern for cutting the scoop from the body tube. Rather than installing the air scoop flush with the aft end of the body, the air scoop is installed approximately 1/8" forward of the end of the body to expose the yellow "Magnetic Field" stripe on the skin at the aft end of the body. It is also advised that the air scoop be installed after the main wings are installed to make installation and alignment of the wings easier. Alignment of the sides of the air scoop is also made easier by installing the air scoop after the main wings. If you have properly cut the air scoop according to the pattern, the left and right edges of the scoop should just touch the tops of each wing root.

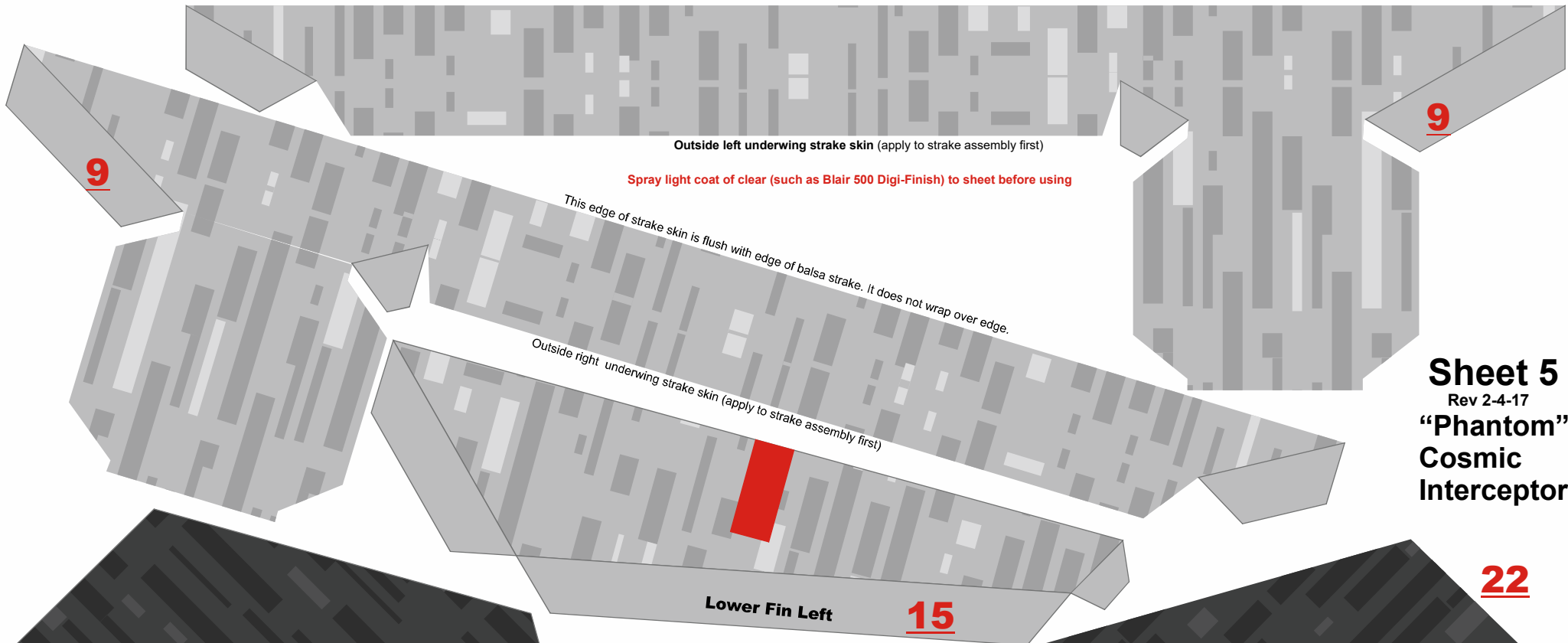


This edge is flush with rear of body tube  
Spray light coat of clear (such as Krylon Crystal Clear) to sheet before using

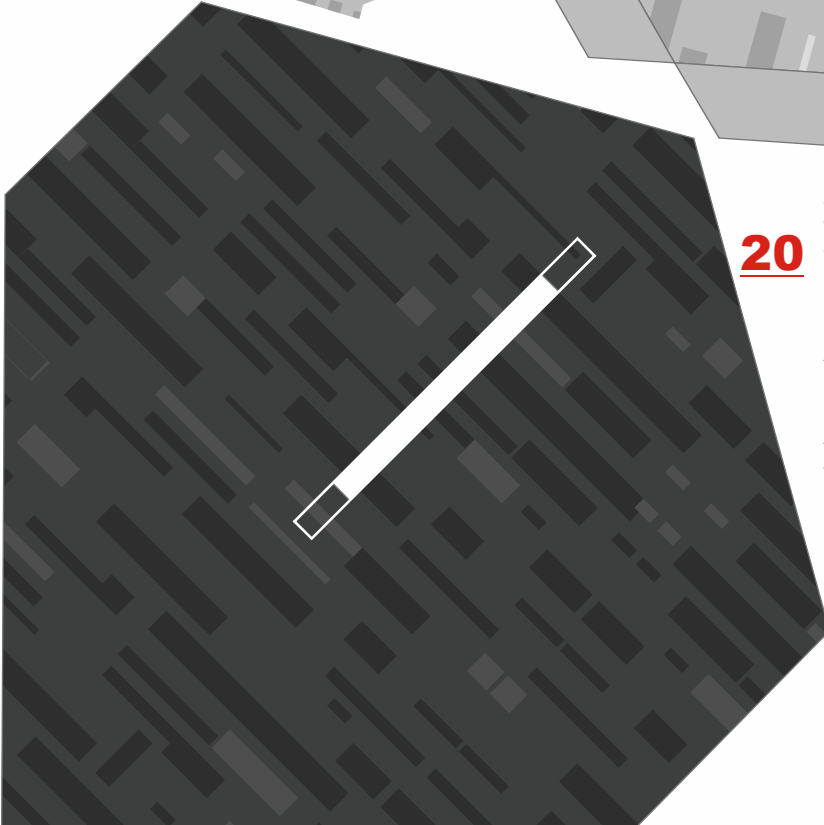
Apply this body tube wrap first

▲ Apply this edge to body tube first ▲  
**1**

**For All Body Wrap Sections:** After you cut each body wrap and its backing from its sheet, place it face up on a clean flat surface and peel about 1" of the skin back along the length of this edge. Cut away approximately 1/4" of the backing from this edge and replace...seal the skin back over backing to hold the 1/4" strip in place. Pre-fit and dry-wrap (don't remove backing) around body tube so that the aft edge of this wrap is either flush with the aft end of the body tube or butts perfectly against the previous body wrap, depending on which skin wrap you are working with. Once you have aligned the wrap and while still holding tightly in place with one hand, lift this edge and remove the 1/4" backing strip. Press the exposed adhesive to the bottom centerline of the tube, starting by pressing down from the middle of the wrap edge to the rear and then midway of the wrap edge to the front. "Swing" the wrap away from the body and partially remove the backing so that you can smoothly adhere the remainder of the wrap to the body. Work smoothly and slowly, avoiding wrinkles or air pockets.



**Sheet 5**  
 Rev 2-4-17  
**“Phantom”  
 Cosmic  
 Interceptor**



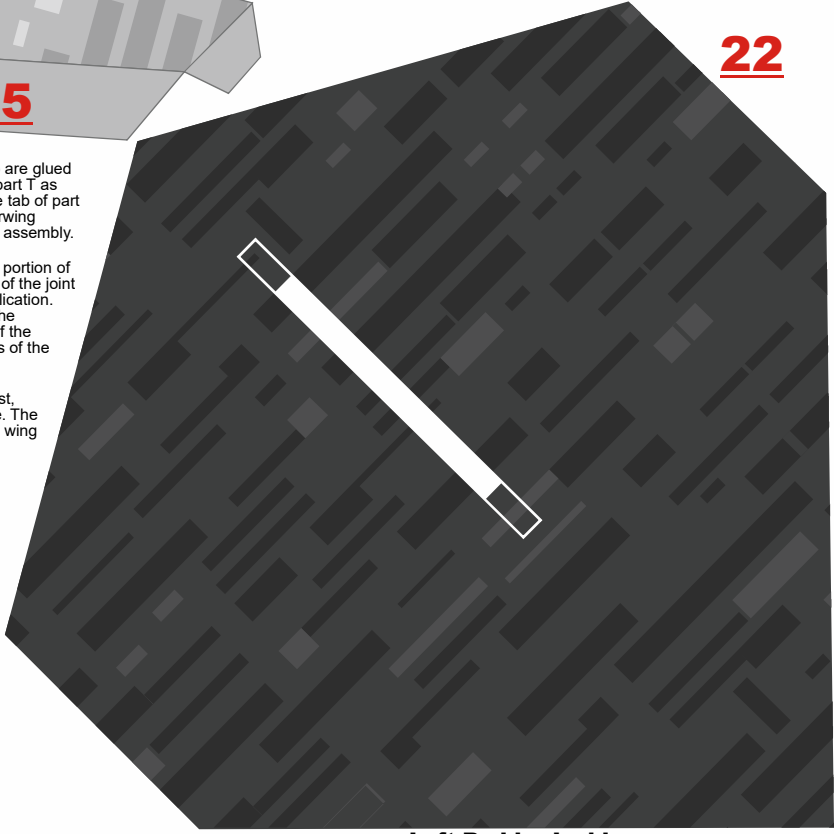
**Right Rudder Inside**

**20**

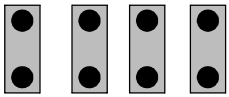
**Underwing Strake/Brace Assembly:**  
 The underwing strake (part S) and strake brace (part T) are glued together as an assembly before gluing to wing. Shape part T as indicated on page 7 of Estes Instructions. Then glue the tab of part T in the slot on part S and let dry. Repeat for both underwing strakes making sure you have a “left” and “right” Strake assembly.

Once both assemblies are dried sand off the protruding portion of part S where it joins part T and round the outside edge of the joint round. Prep all the exposed wood surfaces for skin application. Apply the outside underwing strake skins first aligning the longest straight edge flush with the long straight edge of the strake assembly. Fold all tabs over to the opposite sides of the strake assembly.

Apply the inside left and right underwing strake skins last, aligning the longest skin edge with the long strake edge. The wood of the long strake edge remains bare for gluing to wing and gluing to strake cap piece (part O).



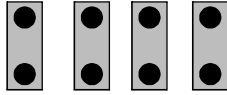
**Left Rudder Inside**



Spare Thruster Ports. (Optional application to suit yourself)

Before starting, make copies of all sheets as instruction reference

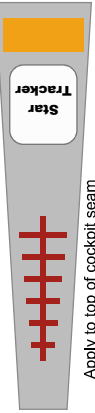
**13**



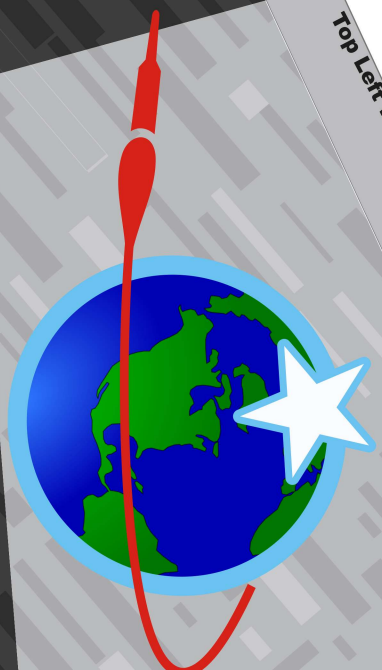
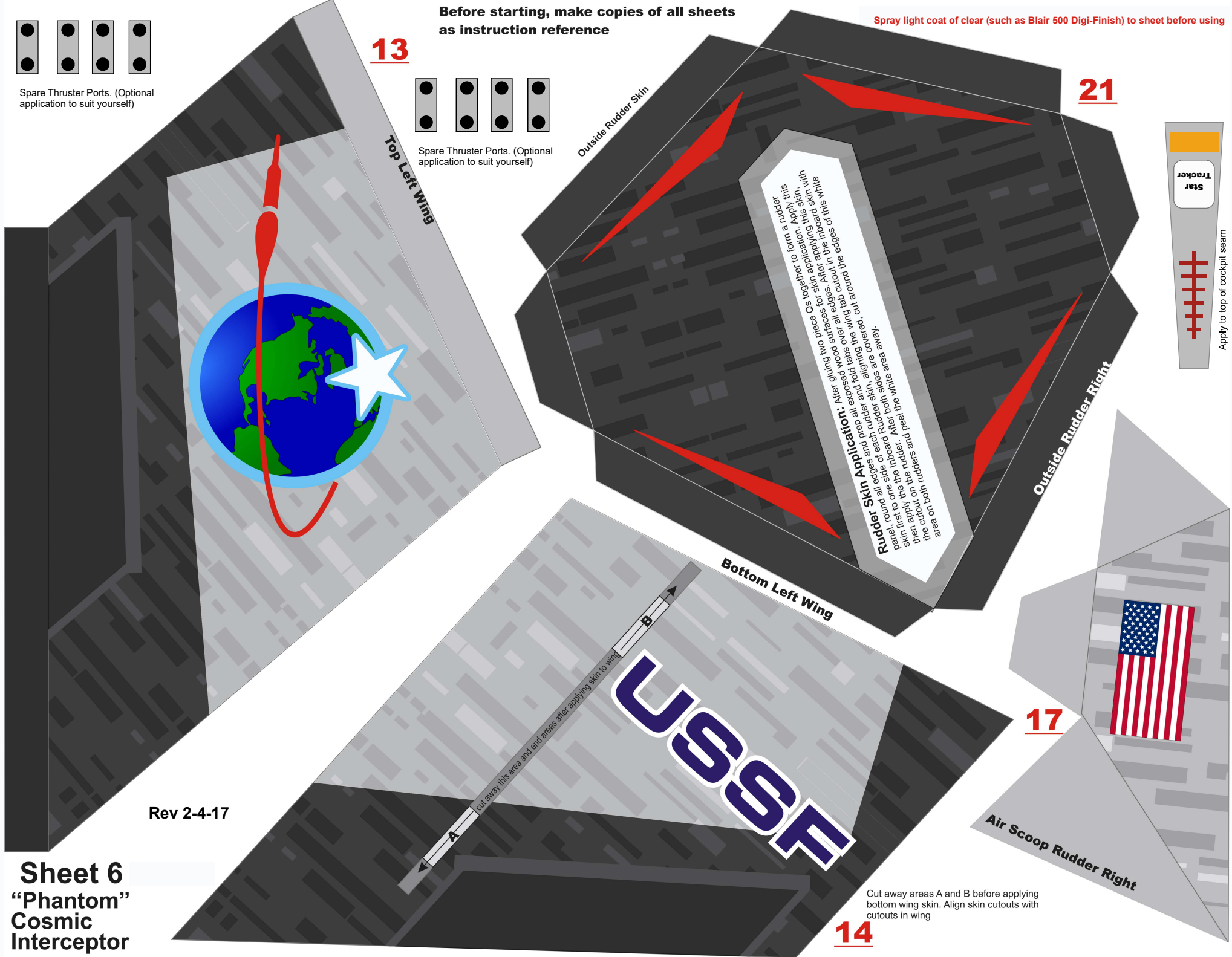
Spare Thruster Ports. (Optional application to suit yourself)

Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using

**21**



Apply to top of cockpit seam



Top Left Wing

Outside Rudder Skin

Bottom Left Wing

Outside Rudder Right

Air Scoop Rudder Right

USSF

**Rudder Skin Application:** After gluing two pieces of rudder wood together to form a rudder panel, round each side of each rudder skin, aligning the sides as a away. Then, round one side of each rudder skin, aligning the sides as a away. Then apply the skin first to one side of the rudder. After both sides are covered, round the bottom of each side of the rudder. Then apply the skin to the other side of the rudder. After both sides are covered, round the bottom of each side of the rudder. Then apply the skin to the other side of the rudder. After both sides are covered, round the bottom of each side of the rudder.

A cut away this area and end areas after applying skin to wing  
B

**17**

**14**

Cut away areas A and B before applying bottom wing skin. Align skin cutouts with cutouts in wing

Rev 2-4-17

Sheet 6  
"Phantom"  
Cosmic  
Interceptor

Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using

Outside Rudder Skin

Outside Rudder Left

**Rudder Skin Application:** After gluing two piece Qs together to form a rudder panel, round all edges and prep all exposed wood surfaces for skin application. Apply this skin first to one side of each rudder and fold tabs over all edges. After applying this skin, then apply the Inboard Rudder skin, aligning the wing tab cutout in the inboard skin with the cutout on the rudder. After both sides are covered, cut around the edges of this white area on both rudders and peel the white area away.

**16**

Bottom Fin Right

**11**

Top Wing Right

USSF

**19**

**18**

Air Scoop Rudder Left

Bottom Wing Right

**12**

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# Sheet 7

## "Phantom" Cosmic Interceptor

Before starting, make copies of all sheets as instruction reference

Cut away areas A and B before applying bottom wing skin. Align skin cutouts with cutouts in wing.

All wing and chine skins are applied to the top surfaces of the assembled wings. DO NOT install the PART S pieces to the wings before the wings or PART S is skinned.

Install the main wing skins (top and bottom, left and right) before installing the chine skins. The bottom wing and chine skins overlap and cover the tabs of the upper skins which have been folded around the various wing and chine surface edges.

Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using

Apply rudder plate skins before gluing rudder plates (Parts R) to main rudders. Glue rudder plates to main rudder after main rudder is skinned.

**Left Rudder Plate**

013559

**24**

**25**

**28**

Cut away skin on area A before applying skin. Cut away skin on areas B after applying skin.



**Bottom Left Chine**

**Top Right Chine (apply to chine first)**

**Wood Prepping Alternative**

Most of us have our favorite method for preparing wood surfaces. One quick and easy method, especially for the Cosmic Interceptor, is to spray all wood surface subassemblies (before skinning or gluing to the model) with two heavy coats **Rustoleum Painter's Touch 2X Ultra Cover Gloss Clear**. Let dry at least 15 minutes between coats and 1-2 hours after final coat. Then sand with 160-220 grit Open Coat sandpaper and apply a final coat of gloss spray in the color of your choice as the coat that the skin will adhere to. Use only the **Rustoleum Gloss Clear** as it dries quickly, it sands easily and without gumming your sandpaper, and it significantly increases the strength of the wood that you apply it too, especially balsa and Basswood.

**Top Left Chine (apply to chine first)**

**27**



Cut away skin on area A before applying skin. Cut away skin on areas B after applying skin.

**23**

**26**

**Bottom Right Chine**

013559

**Right Rudder Plate**

Rev 2-4-17

**Sheet 8**

**"Phantom" Cosmic Interceptor**

**Before starting, make copies of all sheets as instruction reference**