

Cut nose cap wrap along this line. After applying main cockpit wrap, apply this wrap so seam is on top nose centerline. Center glare panel over the nose cap centerline seam.

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



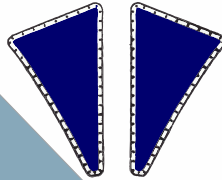
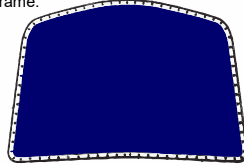
5

Apply thruster (right) to the bottom centerline of the nosecone



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.

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Cut blue area away for cockpit after applying to nosecone



Glare Panel

Apply to top of cockpit seam



Star Tracker

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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.

5

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..

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

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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.



CI

WARNING
ARMED



GRD. SAFETY LOCK

Twilight Cosmic Interceptor

ASTRO-NAV AVIONICS
REF 888-807

Twilight Cosmic Interceptor

CI

WARNING
ARMED



GRD. SAFETY LOCK

Opposite edge overlaps this tab

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.

Remove 1/4" backing from this edge after cutting out skin

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Cut blue area away for cockpit after applying to nosecone

RESCUE

RESCUE



Caution: Linear Charge

Caution: Linear Charge

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Sheet 1

"Twilight" Cosmic Interceptor

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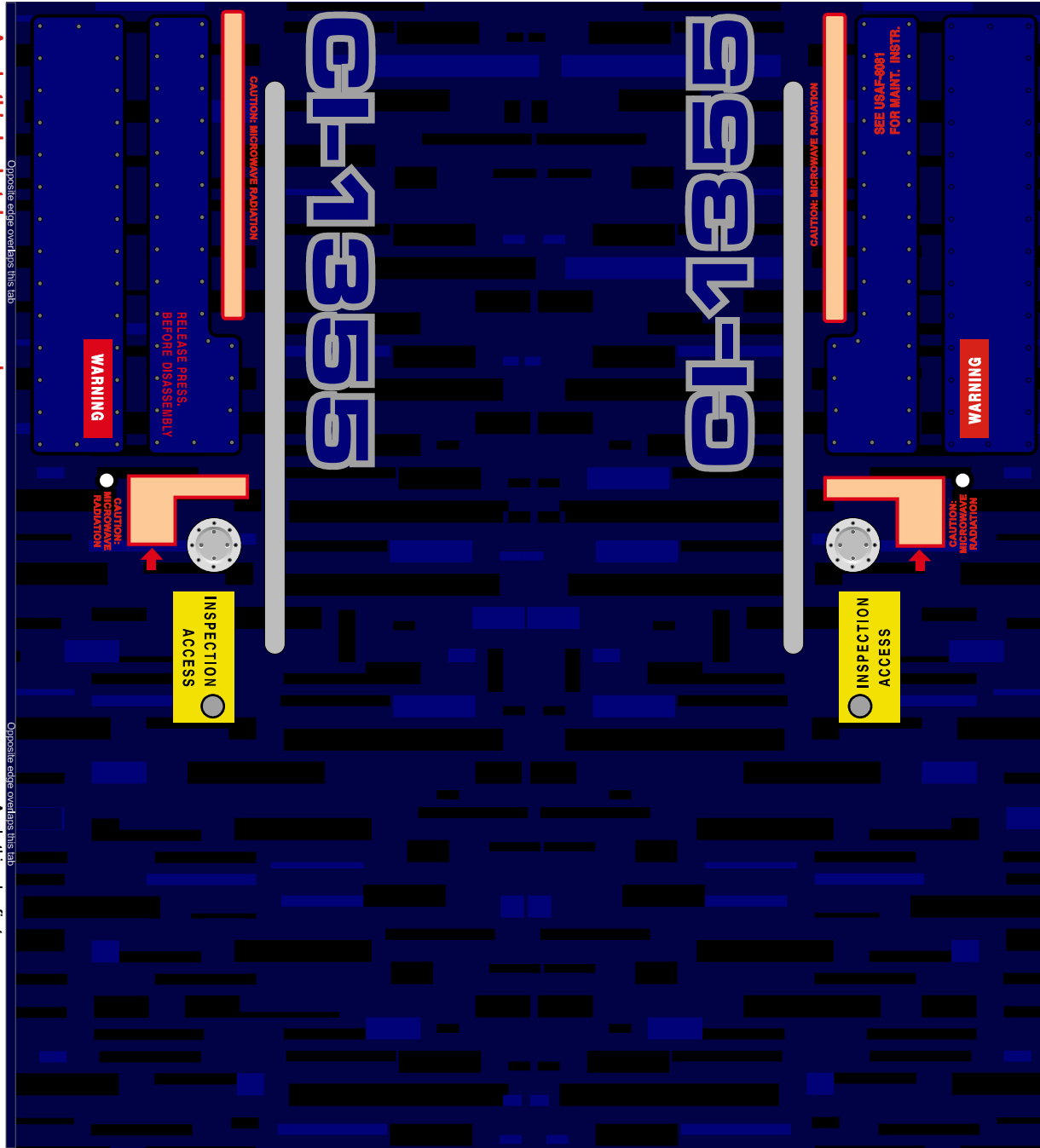
Spray light coat of clear (such as Blair 500 Digi-Finish) to sheet before using
Before starting, make copies of all sheets as instruction reference

Apply this body tube wrap second

Opposite edge overlaps this tab

Opposite edge overlaps this tab

Apply this edge first



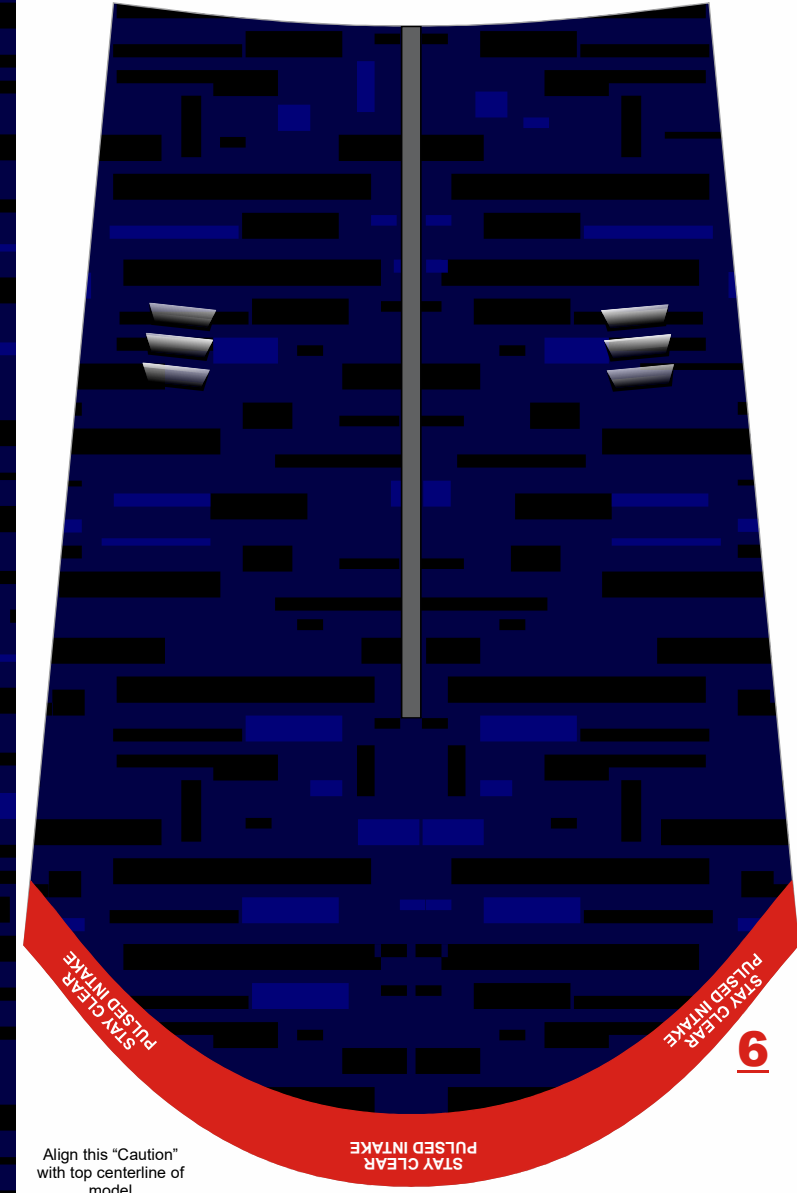
This edge butts against forward edge of aft body tube skin

2

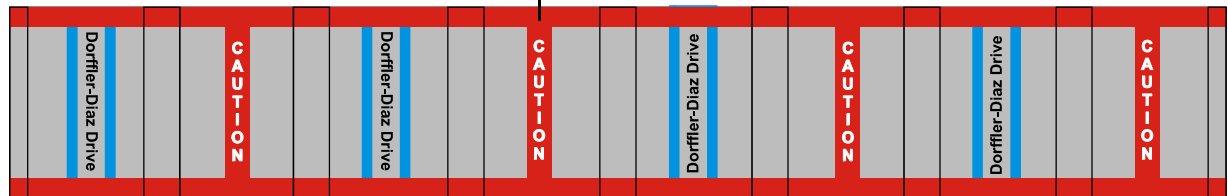
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Before starting, make copies of all sheets as instruction reference

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.



Align this "Caution" with top centerline of model

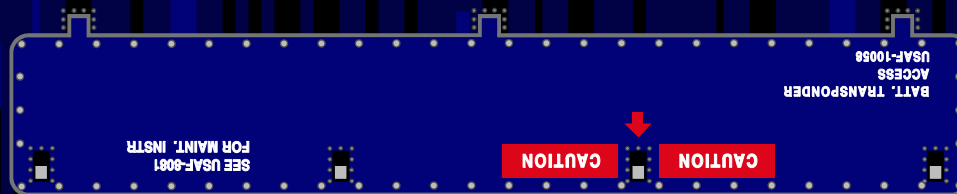


Cut around landing gear door

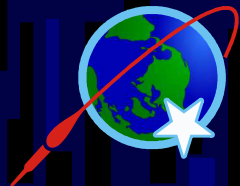
Before starting, make copies of all sheets as instruction reference

Apply this body tube wrap last

3



55



U.S. SPACE FORCE

55



U.S. SPACE FORCE



Forward edge of body tube



Opposite edge overlaps this tab

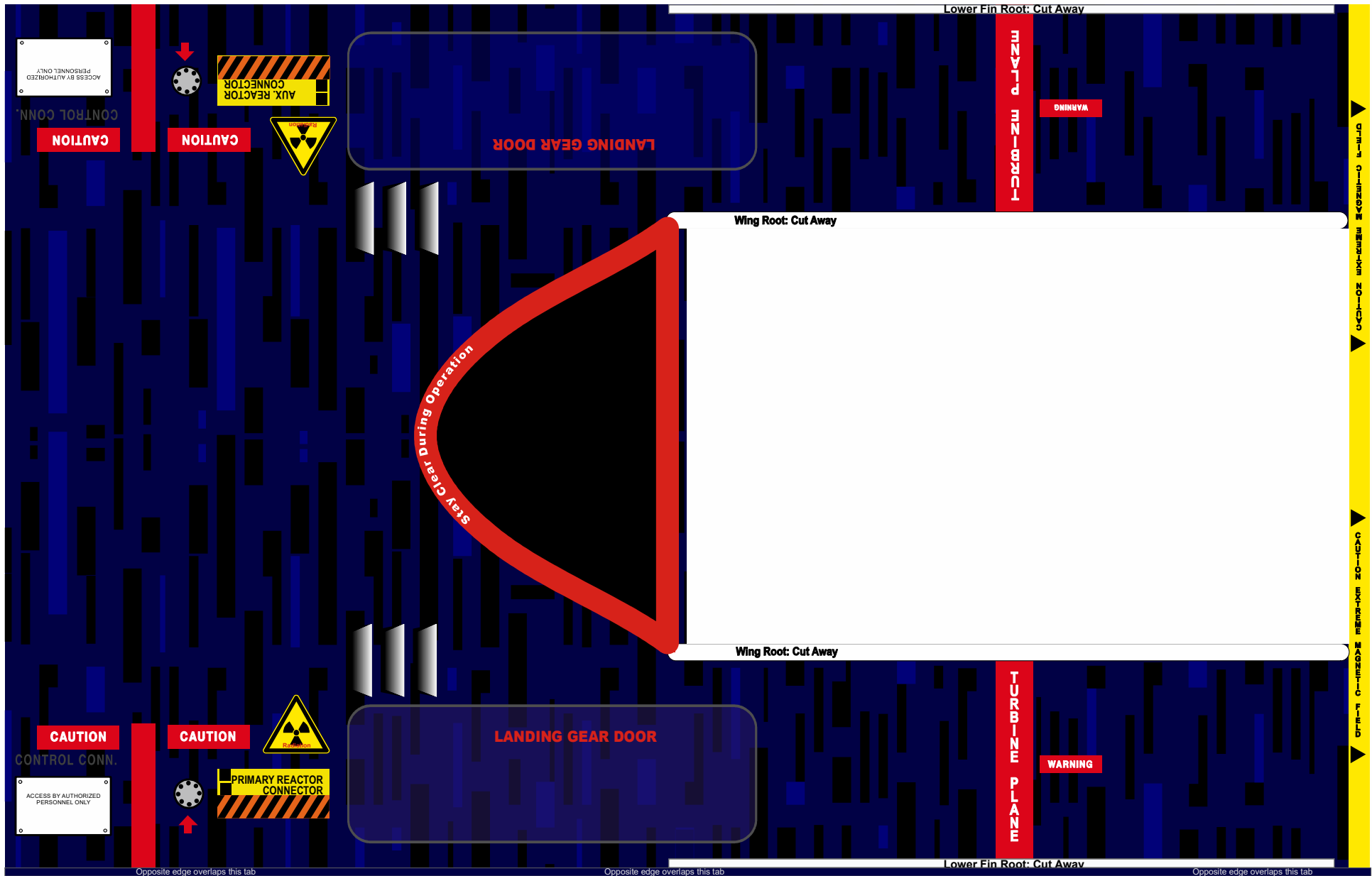
Opposite edge overlaps this tab

Opposite edge 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 the remainder of the wrap to the body. Work smoothly and slowly, avoiding wrinkles or air pockets.

▲ Apply this edge to body tube first ▲

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Apply this body tube wrap first

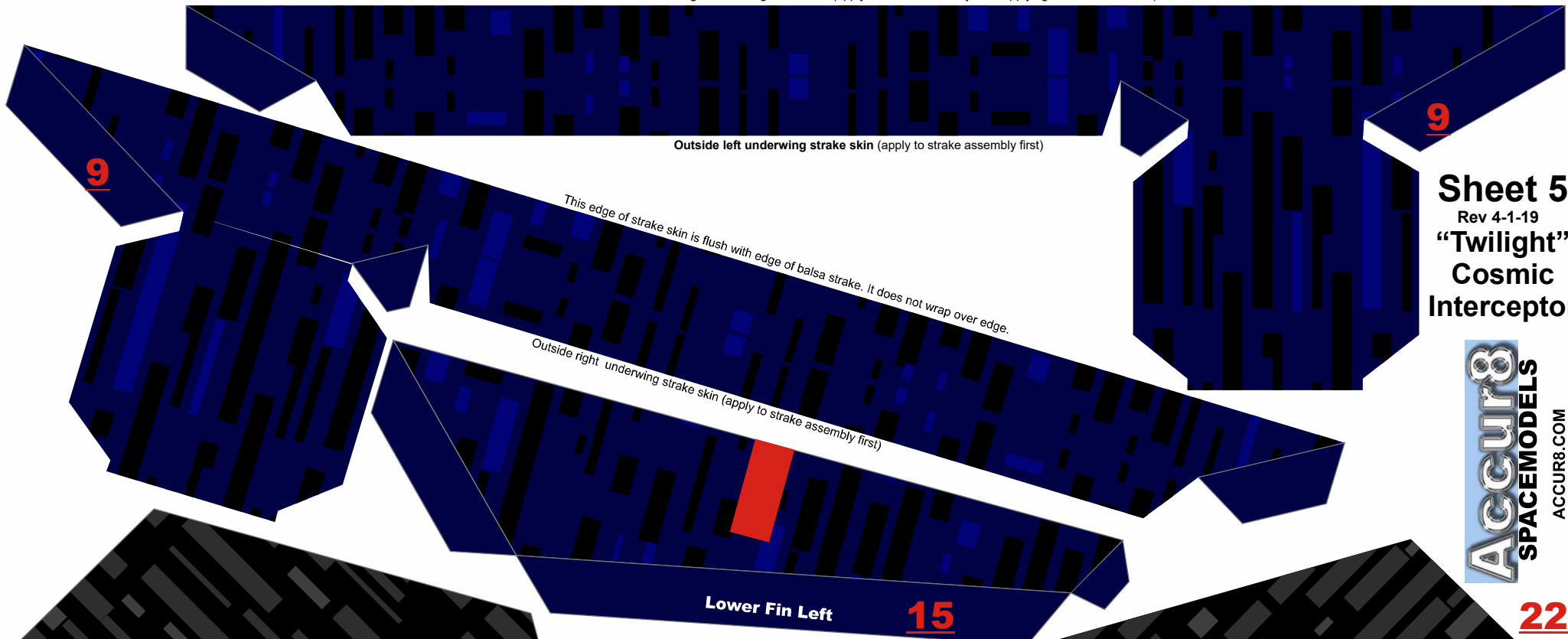
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- 1 Apply this edge to body tube first ▲

Paint model subassemblies with a glossy Black before applying skin. This will provide a good surface for the skin to adhere to and hide small gaps you may have after covering.

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.



Outside left underwing strake skin (apply to strake assembly first)

This edge of strake skin is flush with edge of balsa strake. It does not wrap over edge.

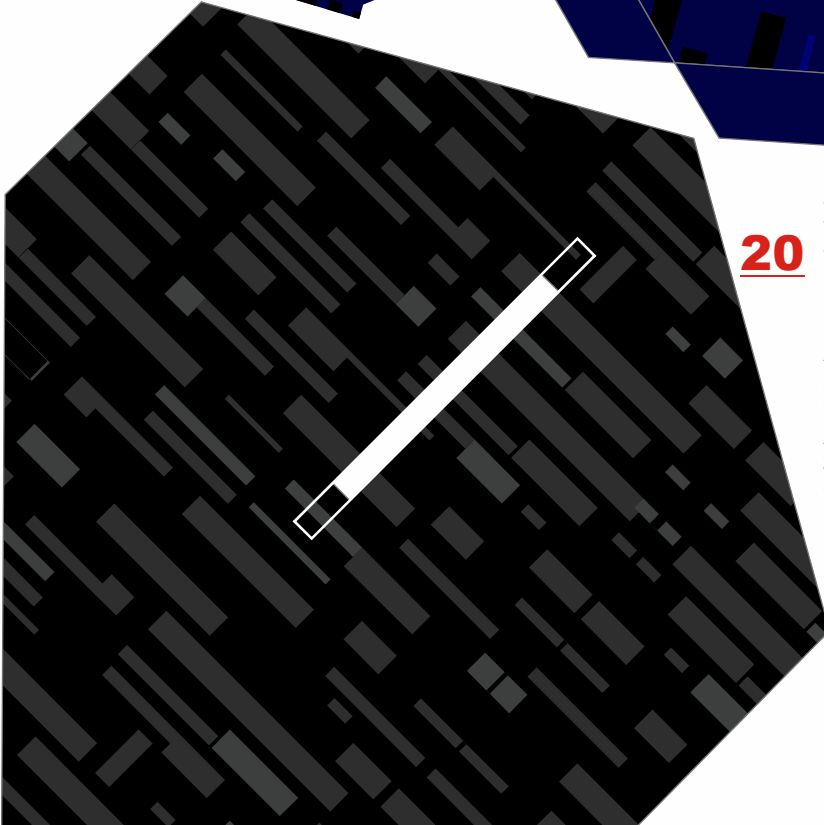
Outside right underwing strake skin (apply to strake assembly first)

Lower Fin Left

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Right Rudder Inside

Before starting, make copies of all sheets as instruction reference

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

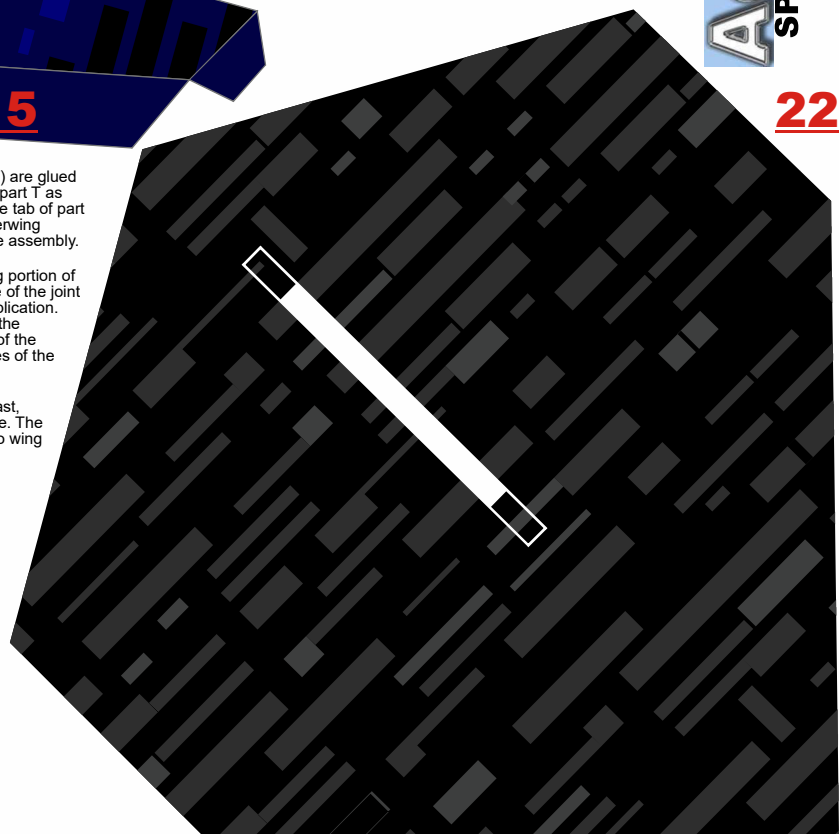
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Underwing Strake/Brace Assembly:

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

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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.

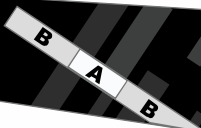
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Cut away skin on area A before applying skin. Cut away skin on areas B after applying skin.



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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 of 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 Painter's Touch 2X 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)

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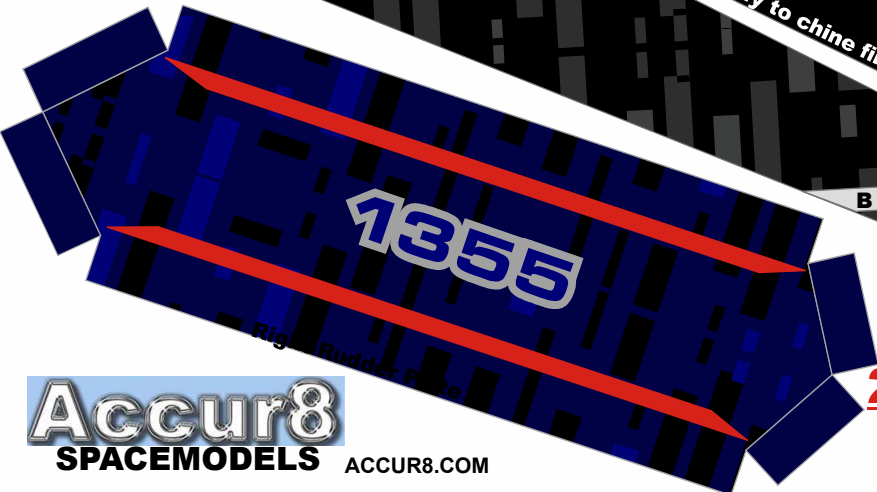


Cut away skin on area A before applying skin. Cut away skin on areas B after applying skin.

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Bottom Right Chine



Right Rudder Plate

Before starting, make copies of all sheets as instruction reference

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

Outside Rudder Skin

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.

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Outside Rudder Left

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Bottom Fin Right

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Top Wing Right

USSE

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Air Scoop Rudder Left

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

Bottom Wing Right

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