

H-245

COPYRIGHT 1964 BY REVELL INC., VENICE, CALIF.

LITHO IN U.S.A.

THE SCALE OF THIS
MODEL IS
1/144 ACTUAL SIZE

Revell
Authentic Kit

AMERICAN AIRLINES **727**
ASTROJET

*service mark of American Airlines Inc.

As Boeing's trim new tri-engined jetliner, Model 727, began service early in 1964 it announced the beginning of the second generation of American jet airliners. It is the first three-engine airliner to appear on the American scene since the beloved Ford Tri-motor was officially retired in the late 1930's. The resemblance stops at that point, however, as the new American Airlines 727 Astrojet is one of the most advanced transports in the skies. Although smaller than the 707, the new Astrojet is a direct development of this famous jetliner. The passenger compartment of this Astrojet is identical to that of the larger plane and can carry 28 first class and 66 tourist passengers in a new level of comfort.

The Pratt & Whitney JT8D-1 turbofan engines were developed specifically for the 727. Their unique arrangement in the tail provides for high efficiency and a low noise level in the passenger compartment. This fuselage/tail location allows the wing surface to remain free of pylons and pods which disrupt the smooth air flow and greatly increase drag. So efficient is the design of the 727 Astrojet that there is 5% less drag than originally predicted.

Many of the features of the 727 were developed through refinements in the basic 707 design. The unique leading edge flaps were tested on the prototype 707, as was the fuselage

engine pod assembly. The 727 cockpit configuration was adapted from the 707 due to its popularity with pilots.

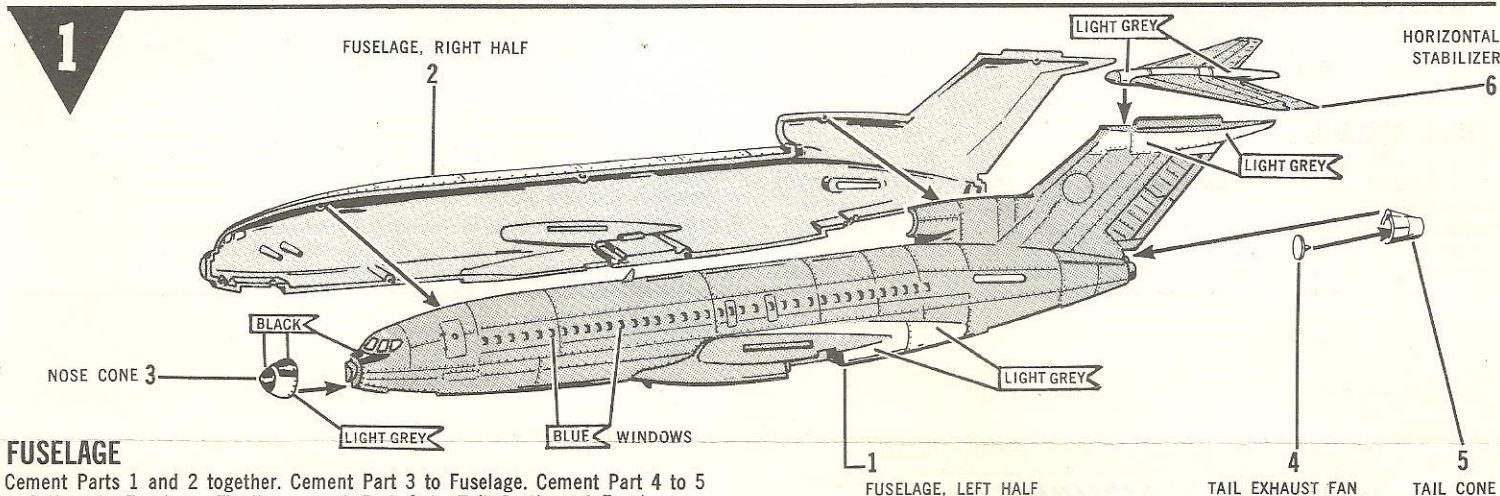
Today's 727 Astrojet passenger will be able to fly in pure-jet comfort to places formerly accessible only to slower piston and turboprop planes. This 152,000 lb. (gross) airliner can cruise at speeds up to 600 mph and reach an altitude of 42,000 feet. Short take-off and landing rolls permit the use of commercial airfields used previously only by short range piston types. The short take-off and landing characteristics of the 727 are due to the special high lift flaps on the wings. Both leading and trailing edges of the sweptback wing open outward to increase the wing area and lift. As a result, the 727 Astrojet can climb briskly after a short run or make a slow landing approach with a very short ground roll following touchdown.

The swept wing of the Boeing 727 spans 108 feet 7 inches and overall length of the aircraft is 133 feet 2 inches. The three turbofan engines develop 14,000 lbs. of thrust each. Your Revell model of American Airlines 727 Astrojet is an authentic replica in 1/144 scale of another great step in commercial aviation.

ASSEMBLY HINTS

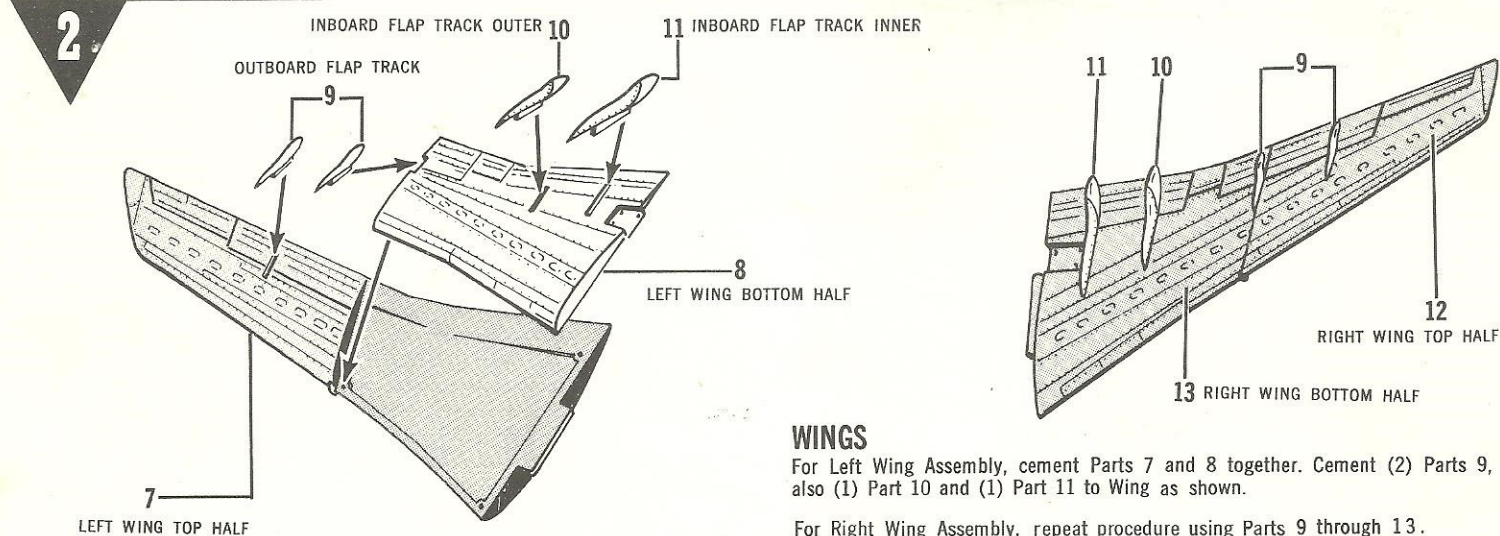
Always fit parts together to be assured of proper assembly before applying cement. The parts are molded of styrene plastic. Revell cement and paints are made especially for use with this material. Although you will be anxious to complete your model, it is best to allow cemented surfaces to "set" before further handling. The cement actually welds the pieces of plastic together,

and a properly cemented joint will be as strong as the plastic itself. Cellophane tape, rubber bands, and spring loaded clothespins can often be used to hold parts together while the cemented surfaces are "setting." With **Revell Paint Set Colors**, paint all the parts where indicated and allow to dry before assembling. All colors are flagged as shown: **BLACK**



FUSELAGE

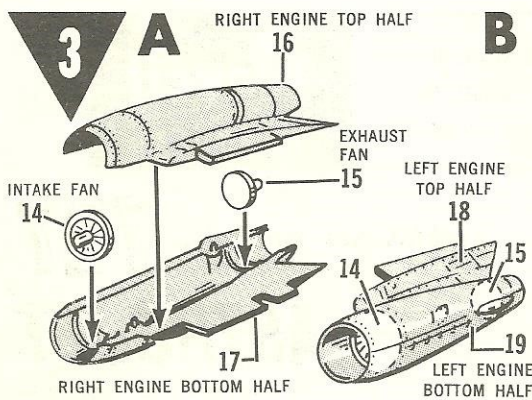
Cement Parts 1 and 2 together. Cement Part 3 to Fuselage. Cement Part 4 to 5 and then to Fuselage. Finally, cement Part 6 to Tail Section of Fuselage as shown. FOR PAINTING INFORMATION REFER TO THE BOX COVER.



WINGS

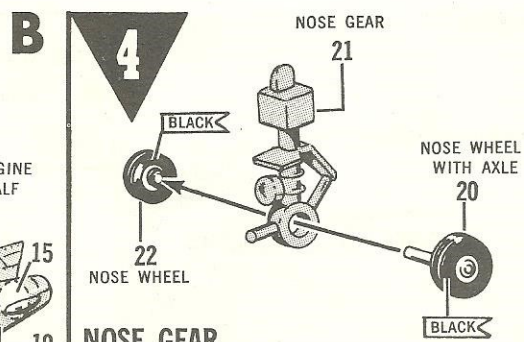
For Left Wing Assembly, cement Parts 7 and 8 together. Cement (2) Parts 9, also (1) Part 10 and (1) Part 11 to Wing as shown.

For Right Wing Assembly, repeat procedure using Parts 9 through 13.



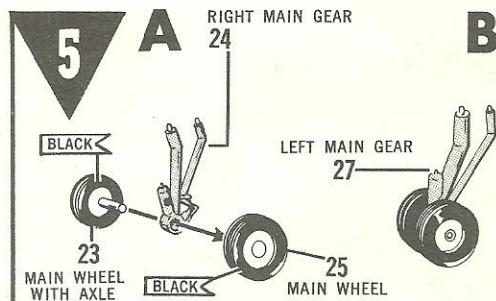
RIGHT ENGINE
Cement Parts 14, 15, and 16 to Part 17.

LEFT ENGINE
Cement Parts 14, 15 and 18 to Part 19.



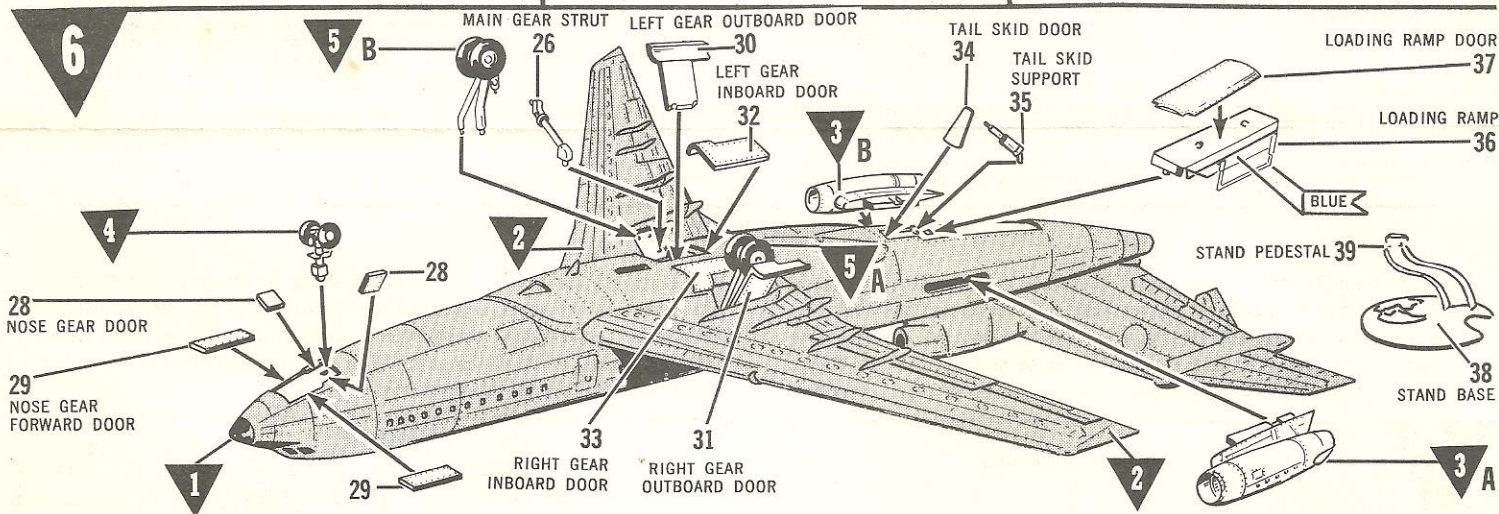
NOSE GEAR

For Model in "Gear Up" position, DO NOT USE THIS STEP. Insert Part 20 through hole in Part 21. Then, carefully apply a drop of cement on end of Part 20 and press on Part 22. NOTE: DO NOT LET CEMENT TOUCH PART 21 OR WHEELS WILL NOT TURN.



RIGHT MAIN GEAR — LEFT MAIN GEAR

For Model in "Gear Up" position, DO NOT USE THIS STEP. Insert Part 23 through hole in Part 24. Then, carefully apply a drop of cement on end of Part 23 and press on Part 25. For left gear, repeat procedure using Parts 23, 25 and 27. DO NOT LET CEMENT TOUCH PARTS 24 AND 27 OR WHEELS WILL NOT TURN.



FINAL ASSEMBLY

For Model in "gear Down" position, Cement Wings, Assembly 2 and Engines, Assemblies 3A and 3B to Fuselage, Assembly 1. NOTE: PAINT WHEEL WELLS AND INSIDE OF WHEEL COVERS LIGHT GREEN. Now, cement Nose Gear, Assembly 4 into place. Next, cement (2) Parts 28 in an open position and (2) Parts 29 in a closed position. Cement Main Gears, Assemblies 5A and 5B in place using (2) Parts 26. Cement Parts 30 and 31 in an open position and Parts 32 and 33 in a closed

position as shown. To Part 35 cement Part 34 and then cement to Fuselage. To Part 37 cement Part 36 and then cement to Fuselage. For Model in "Gear Up" position, cement Wings, Assembly 2, Engines, Assemblies 3A and 3B in place. Cement in a closed position the following Parts: 28 to 34 and 37.

Apply Decals to both sides of Fuselage and let dry. For location of Decals refer to 3-VIEW DRAWING and BOX COVER. Cement Parts 38 and 39 together, and cement completed Model to Stand, if desired.

AMERICAN AIRLINES 727 ASTROJET

