

Delta II 3000 Series



Delta 3000-series

The Delta 3000 combined the same first stage as 1000-series and 2000-series with upgraded Castor 4 solid boosters and was the last Delta series to use the McDonnell Douglas Delta P second stage with TRW TR-201 engine. Delta 3000 introduced the PAM (Payload Assist Module) / Star 48B solid-fueled kick motor, which was later used as Delta II third stage. The Delta 3914 model was approved for launching United States government payloads in May 1976 and was launched 13 times between 1975 and 1987.

Although similar in basic design to the Delta 2000 Series, the Delta 3000 Series introduced larger, more powerful Castor solid rocket boosters. The improved solid rocket boosters were 36 feet, 5 inches tall and 3 feet, 4 inches wide, and could each produce a thrust of 84,000 pounds. The total package of nine improved solid rocket boosters increased the overall Delta 3000 Series vehicle thrust about 100,000 pounds over that of the comparable Delta 2000 Series rocket. Typically, five of the nine solid rocket boosters were ignited at liftoff. Along with the Rocketdyne first stage engine, a total thrust of 630,600 pounds was produced at launch. The remaining four solid rocket boosters were ignited following burnout and jettison of the first five.

Length: 116 feet

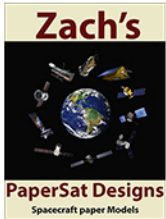
Diameter: 8 feet

Date of First Cape Canaveral Launch: December 12, 1975

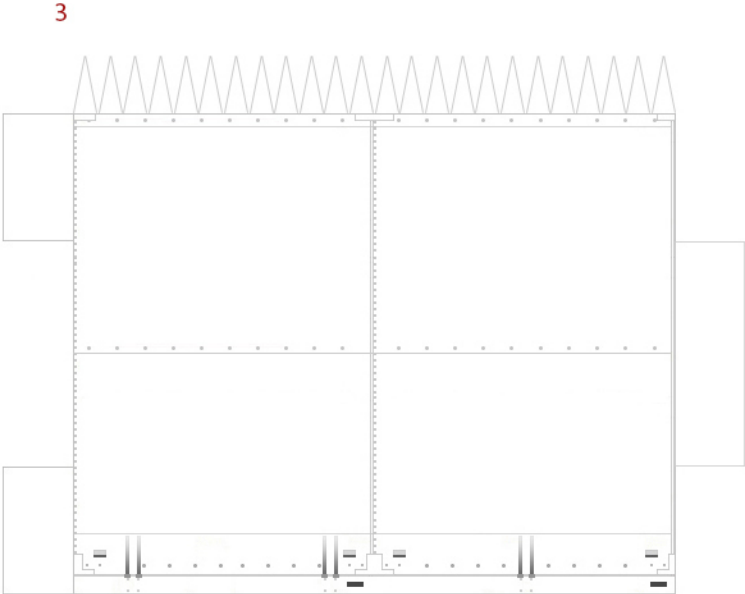
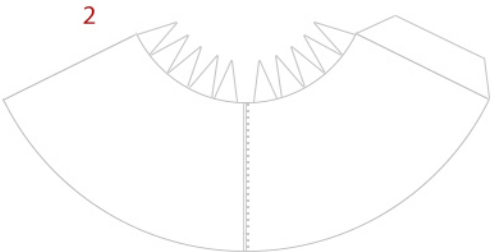
Date of Final Cape Canaveral Launch: March 24, 1989

Number of Cape Canaveral Launches: 33

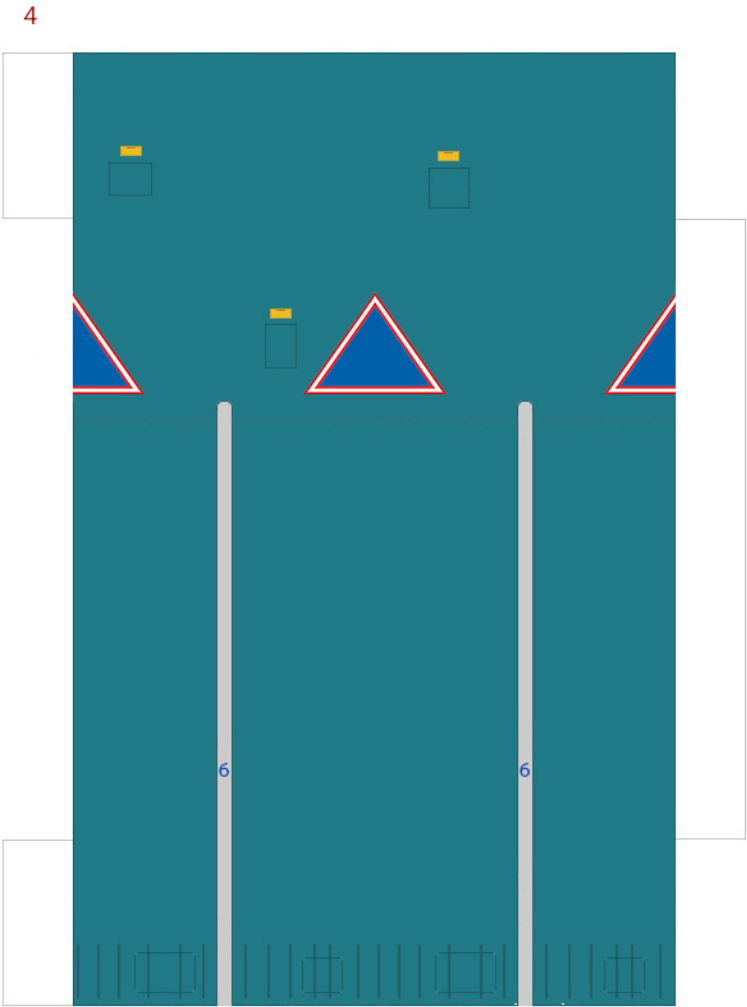




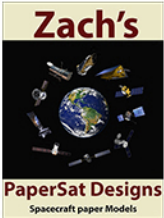
Inside former
glue to cardstock



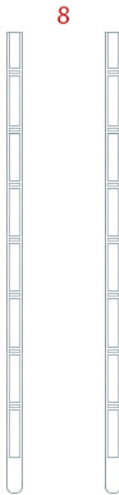
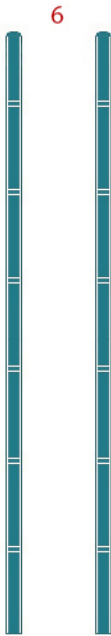
3 to 4 connector



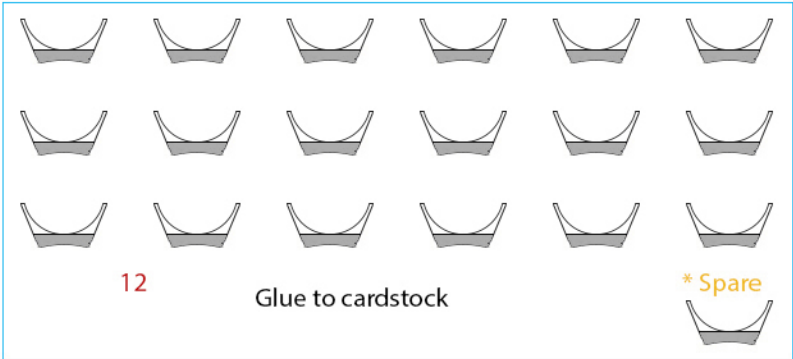
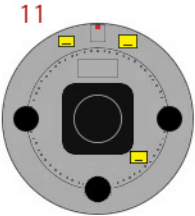
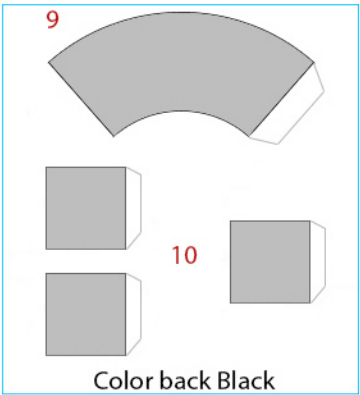
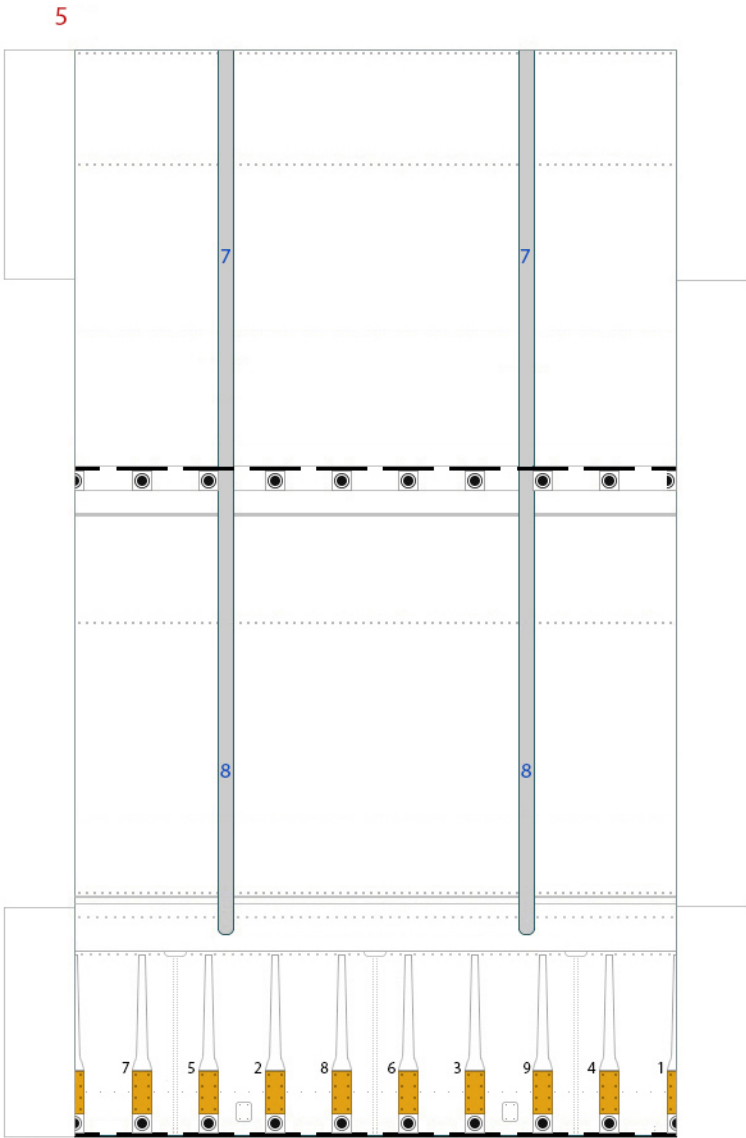
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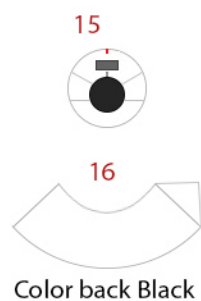
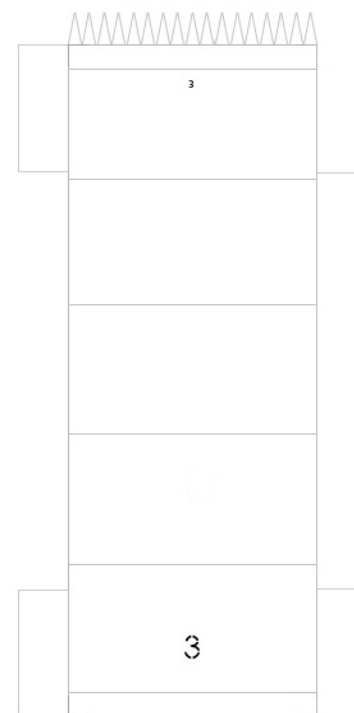
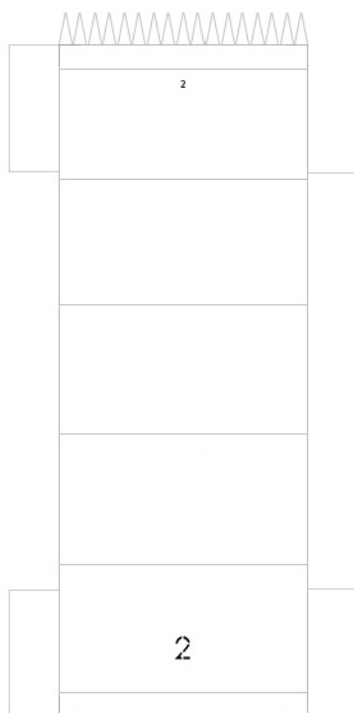
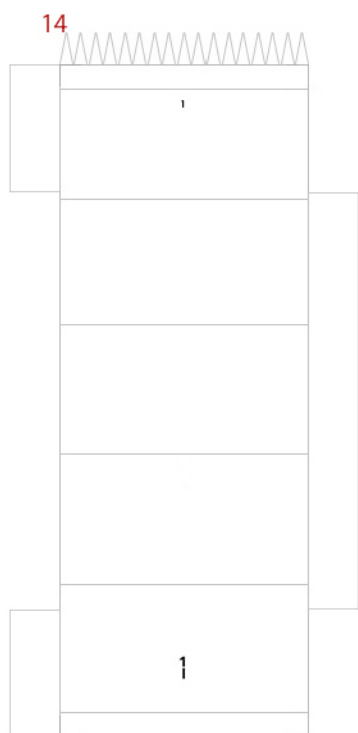


Inside former
glue to cardstock

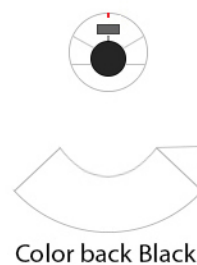


4 to 5 connector

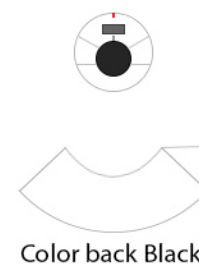




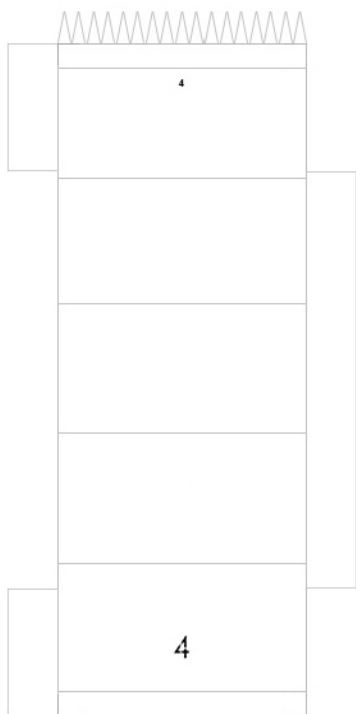
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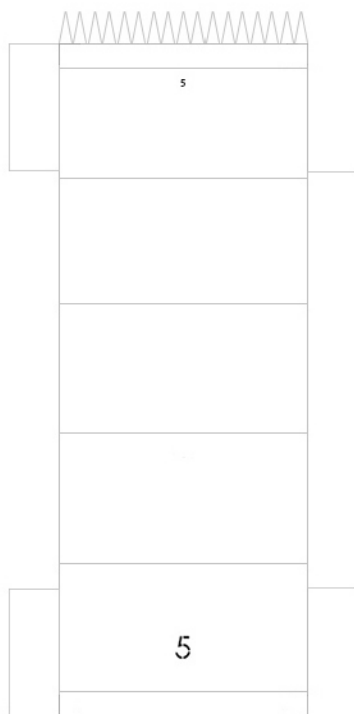
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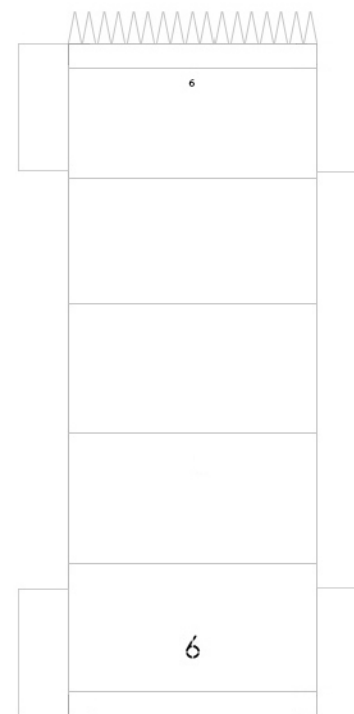
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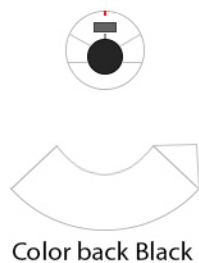
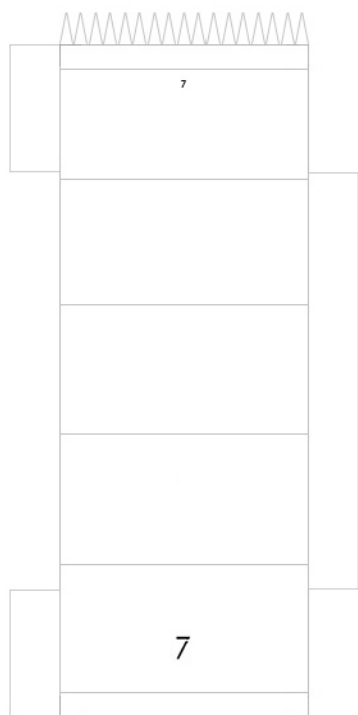
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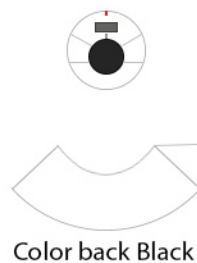
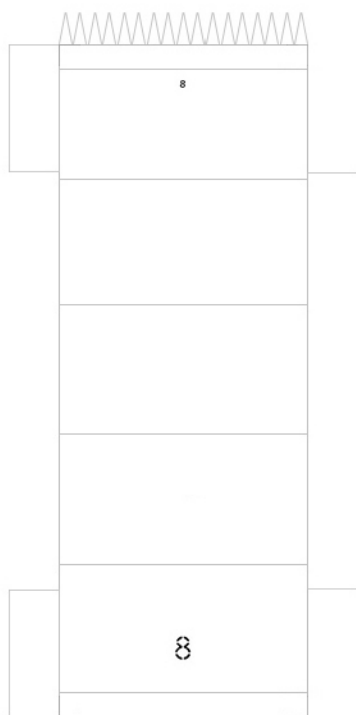
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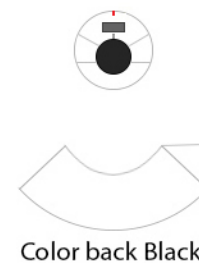
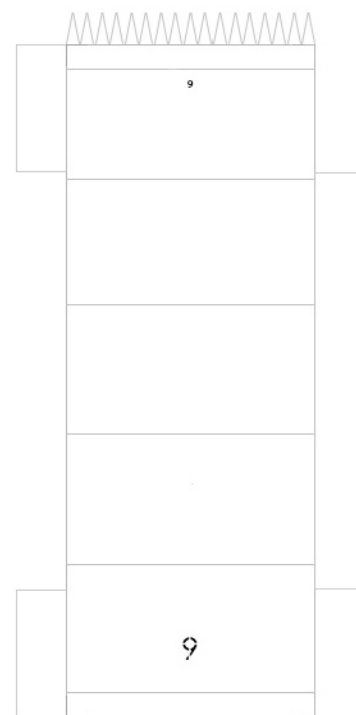
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