HORIZON MODELS
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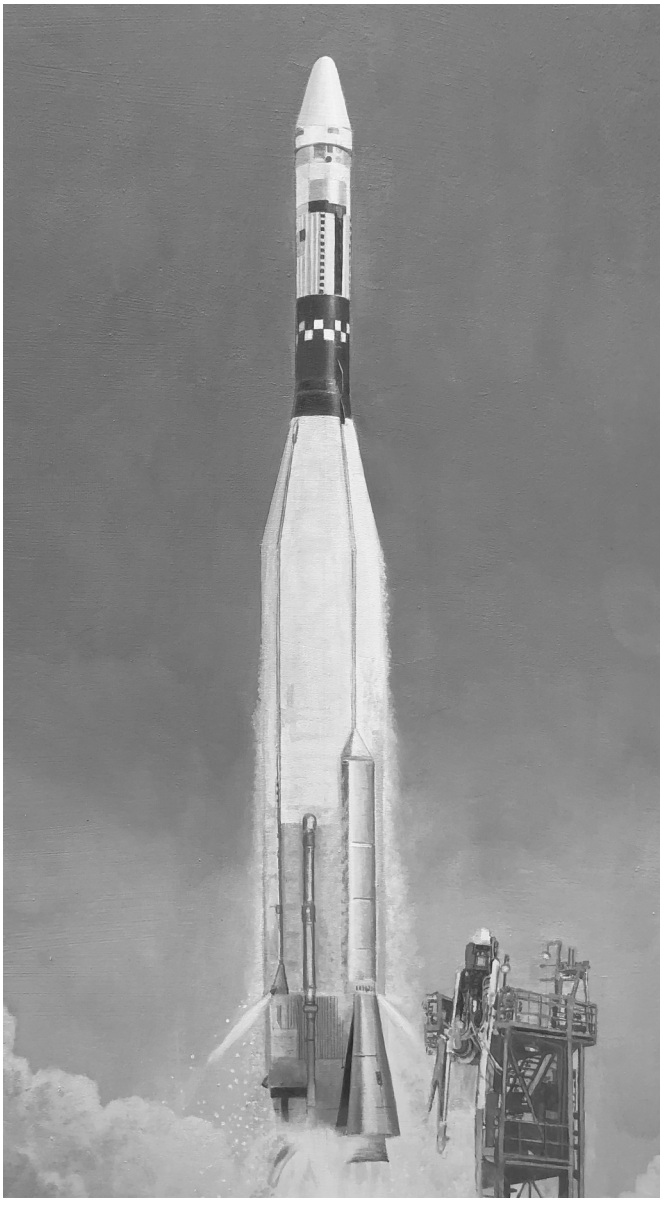
1/72nd scale

Atlas-Agena

#2006



The Atlas-Agena was one of the most prolific US launchers in the 1960's. Based on the Convair SM-65D Atlas rocket, later redesignated SLV-3, it received an additional upper stage called Agena. Typically launched from Cape Canaveral Air Force Station, FL, or Vandenberg Air Force Base, CA, it launched Mariner probes to Venus and Mars, Ranger and Lunar Orbiter probes to the moon, and later in its career it launched many military payloads including the KH-7 reconnaissance satellite. But the Atlas-Agena is mostly remembered as the target vehicle for manned missions to low Earth orbit in the mid-1960s as a testing grounds for rendezvous, docking and spacewalking, in preparations for the manned flights to the moon which followed a few years later.

Specifications: Atlas (SLV-3D) with AGENA

Length:	103 feet (31.4 metres) with Agena Target Vehicle (ATV) 97 feet (29.6 metres) with ADTA
Diameter:	10 feet (3.05 metres)
Weight:	approx. 340,000 lbs (154,000 kg)
Atlas Engines:	Two LR-89 boosters with150,000 lbs thrust each One LR-105 sustainer with 57,000 lbs thrust Two LR-101 verniers with 1,000 lbs thrust each

LOCKHEED MARTIN

A Flat Aluminium

B Stainless Steel / Silver

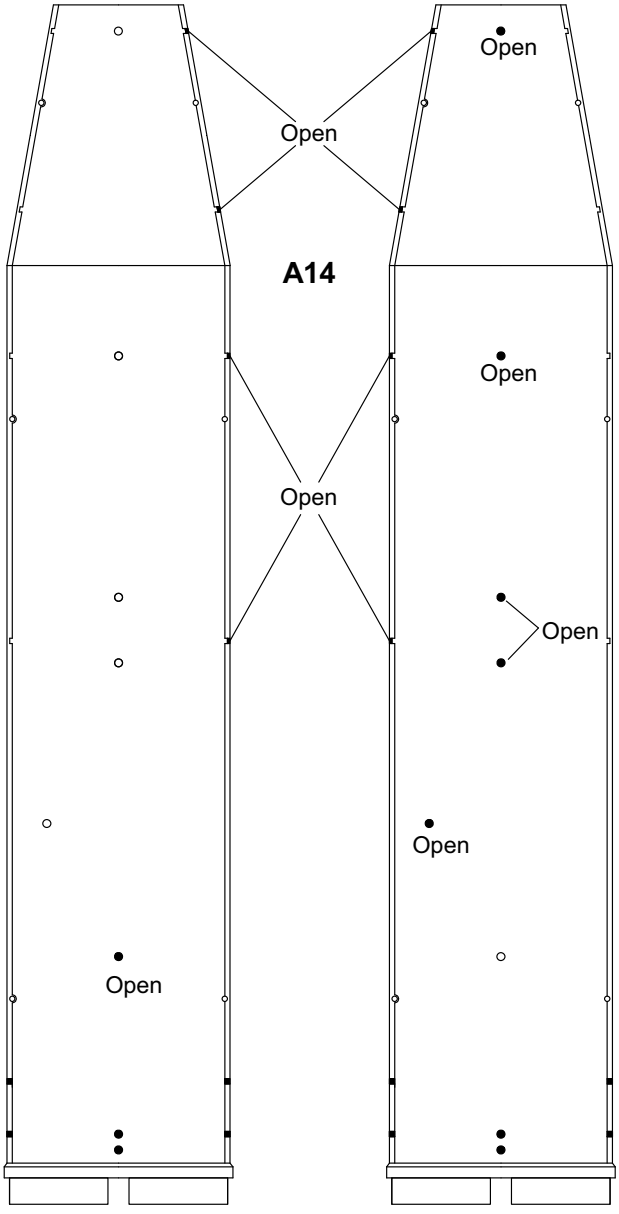
C Exhaust Metal

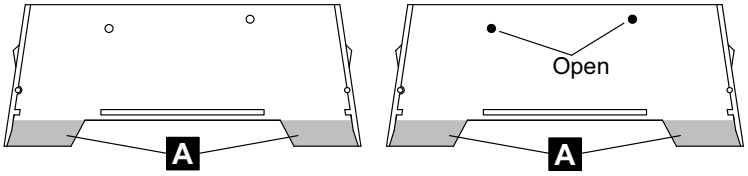
D Black

E White

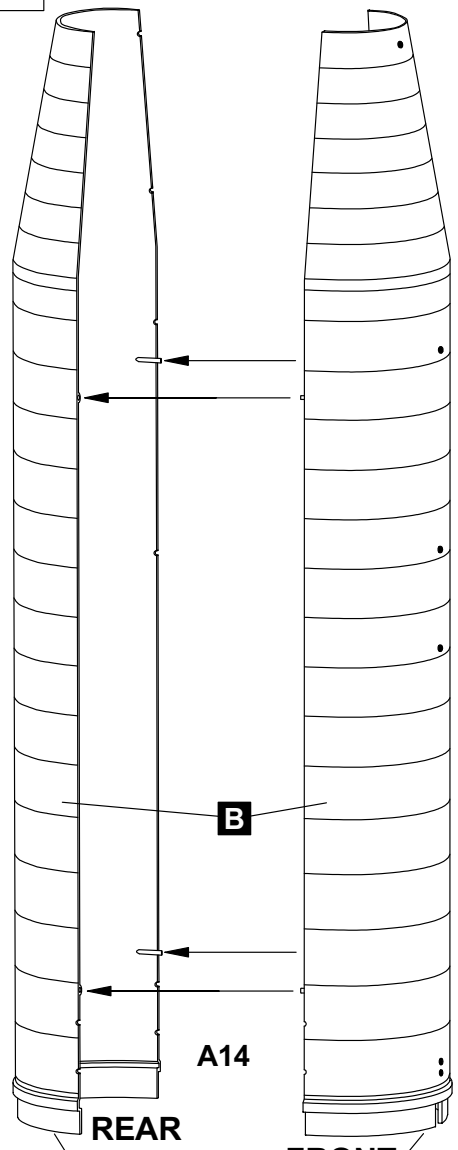
1 ATLAS AIRFRAME PREPARATION

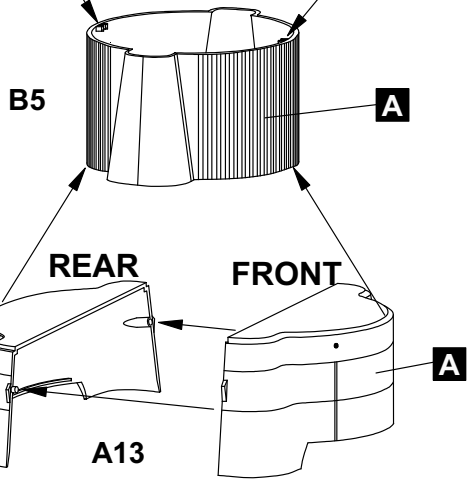
Open holes as shown below



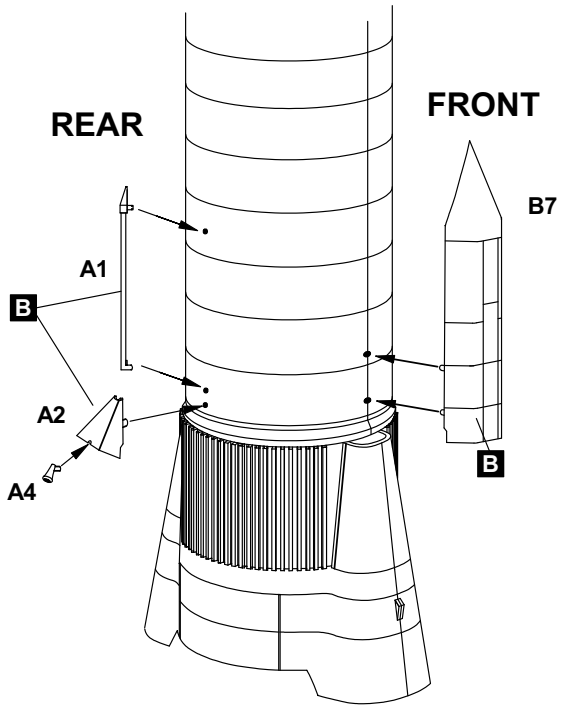


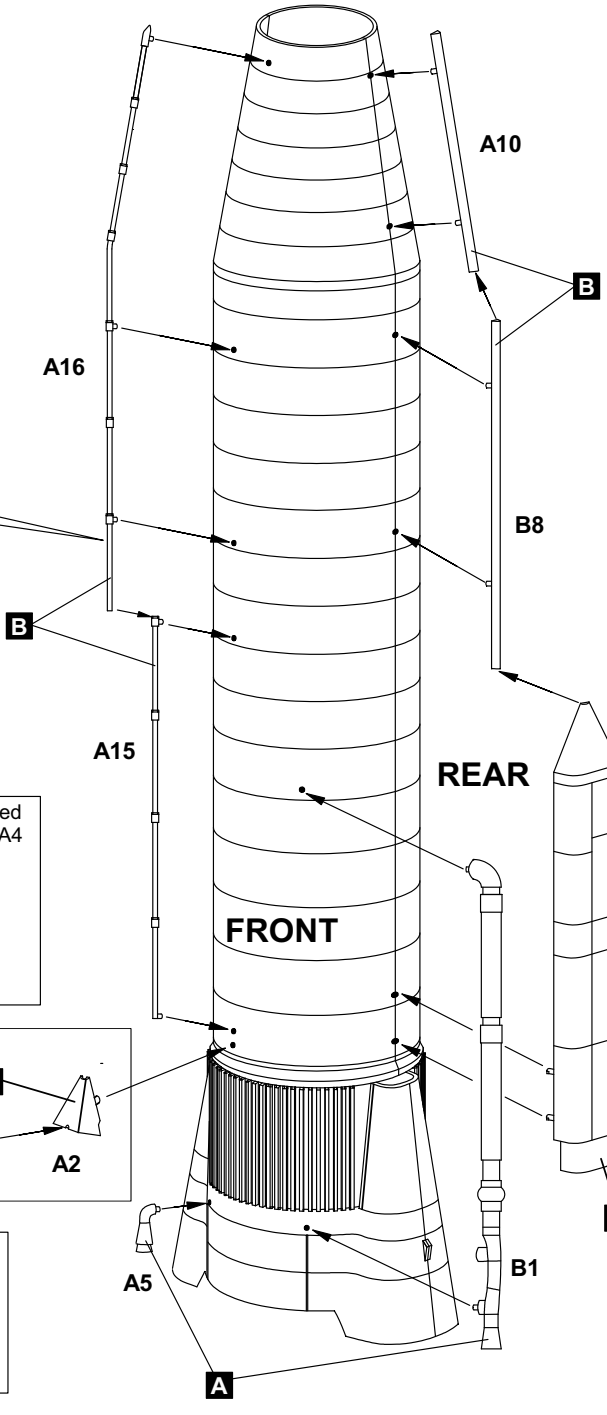
2 AIRFRAME ASSEMBLY



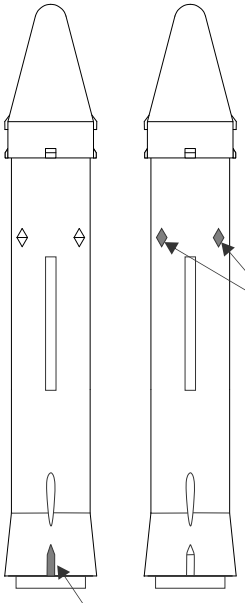


3 ATLAS FRONT & REAR AIRFRAME ASSEMBLY





AGENA PARTS PREPARATION



HORIZON SENSORS:

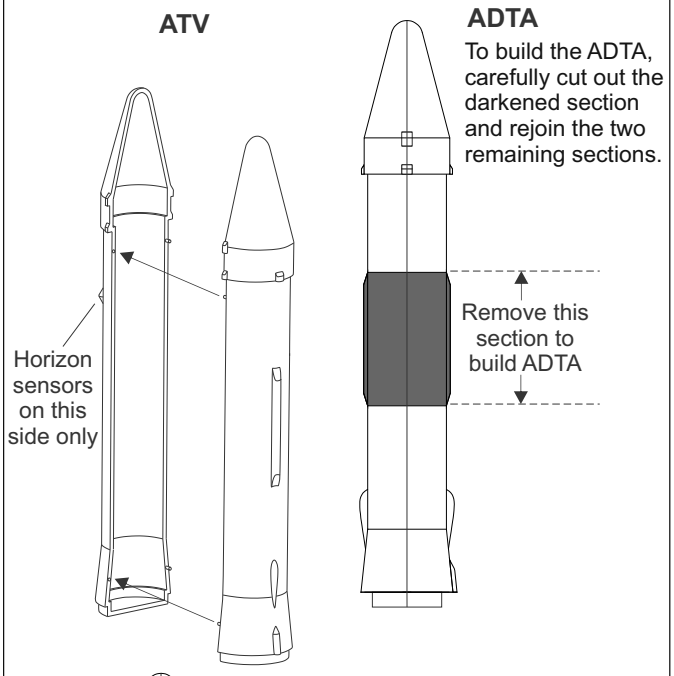
For **ATV,** remove these two from this part only.

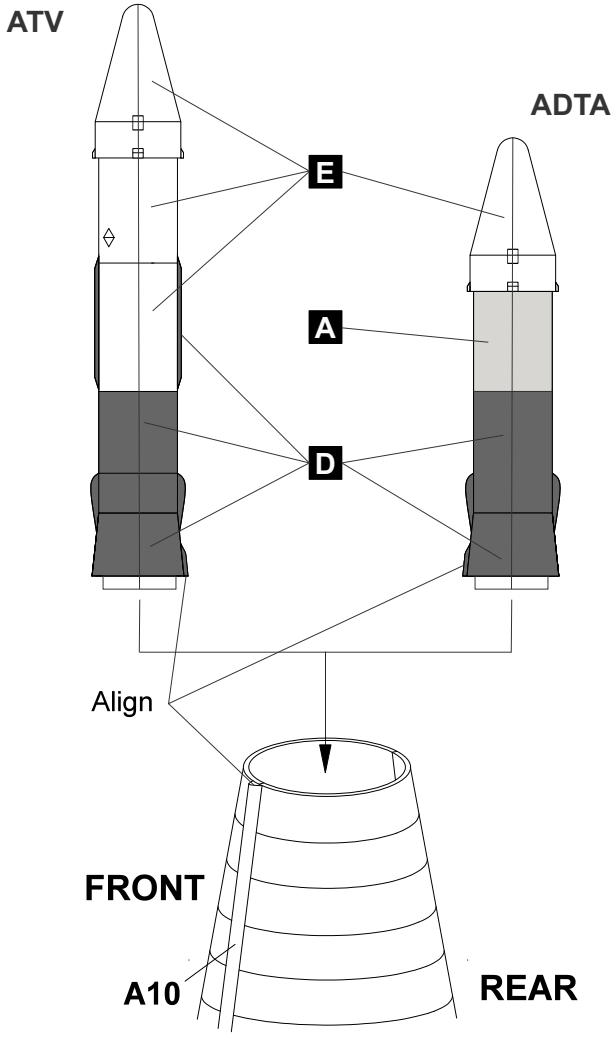
For **ADTA,** remove all four from both parts.

REMOVE FROM THIS SIDE ONLY (ATV & ADTA)

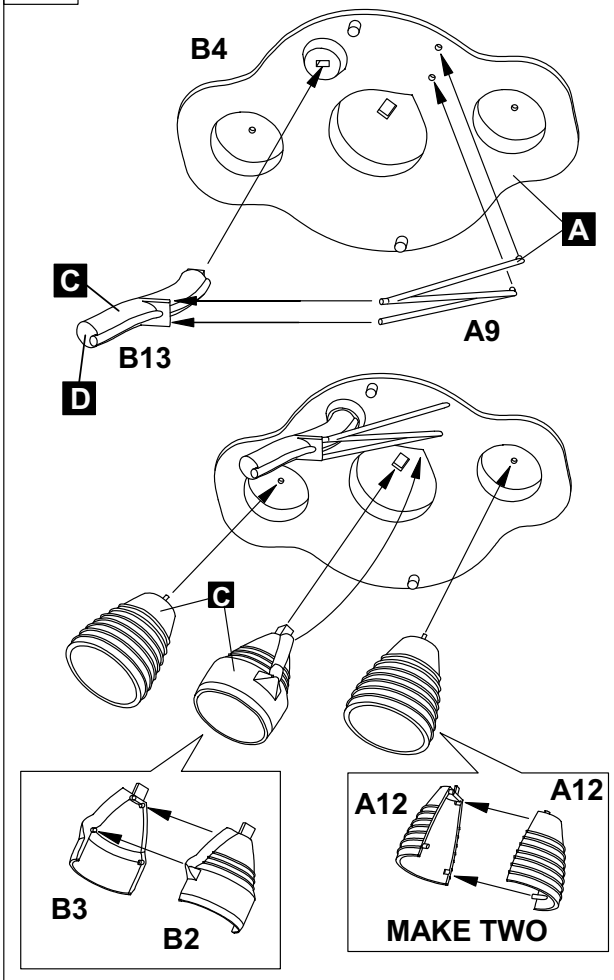
4 AGENA ASSEMBLY

CHOOSE A PAYLOAD:
AGENA TARGET VEHICLE (ATV) OR ADTA

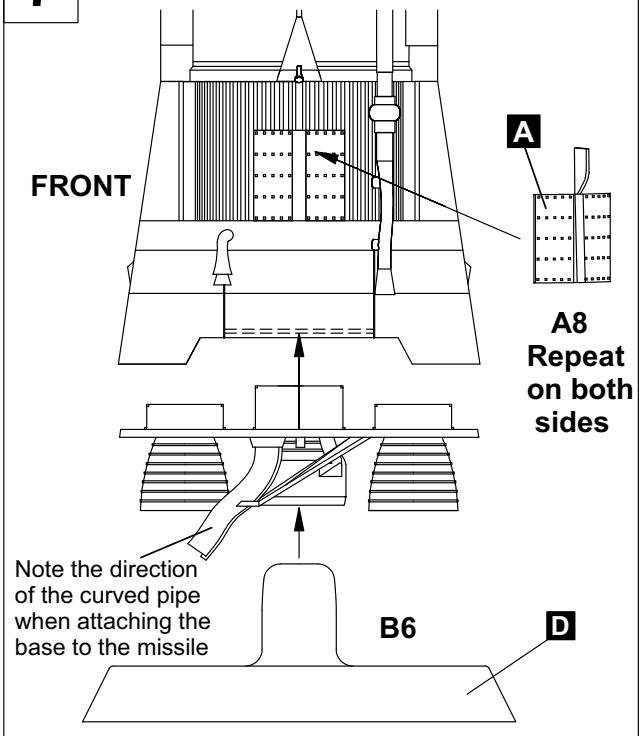




5 ROCKET ENGINE ASSEMBLY



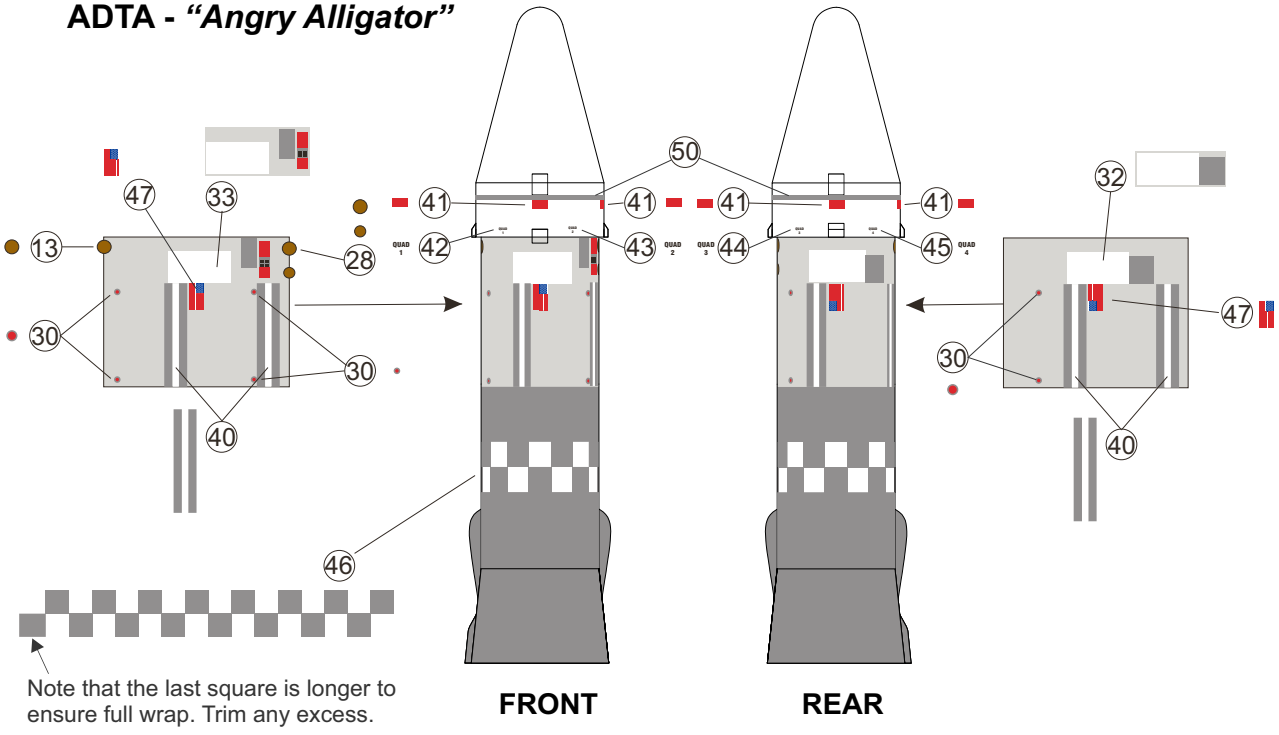
7 FINAL ASSEMBLY



6 DECAL PLACEMENT FOR AGENA UPPER STAGE

Paint the AGENA upper stage (see step 4) before applying decals.

ADTA - *"Angry Alligator"*

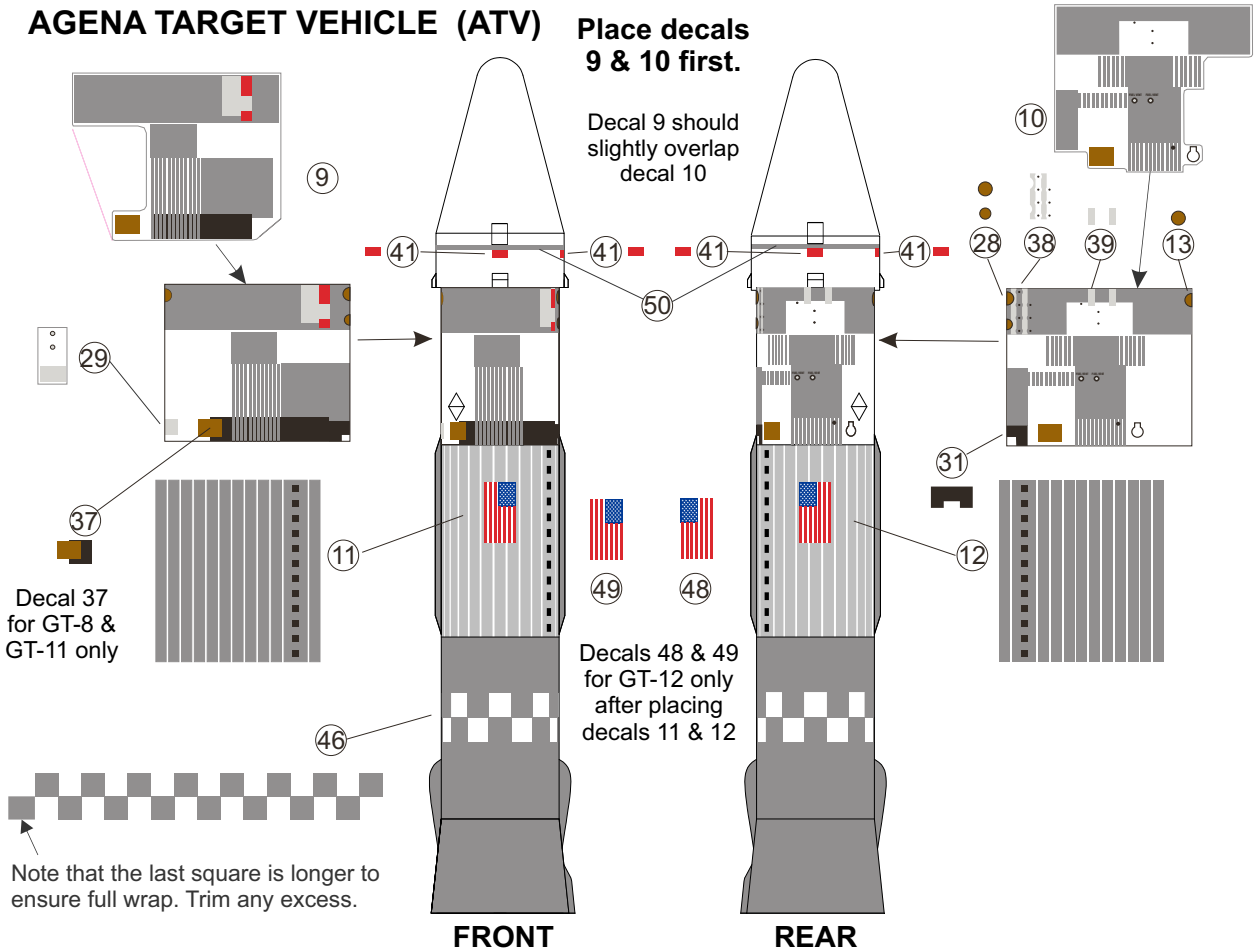


Note that the last square is longer to ensure full wrap. Trim any excess.

AGENA TARGET VEHICLE (ATV)

Place decals 9 & 10 first.

Decal 9 should slightly overlap decal 10

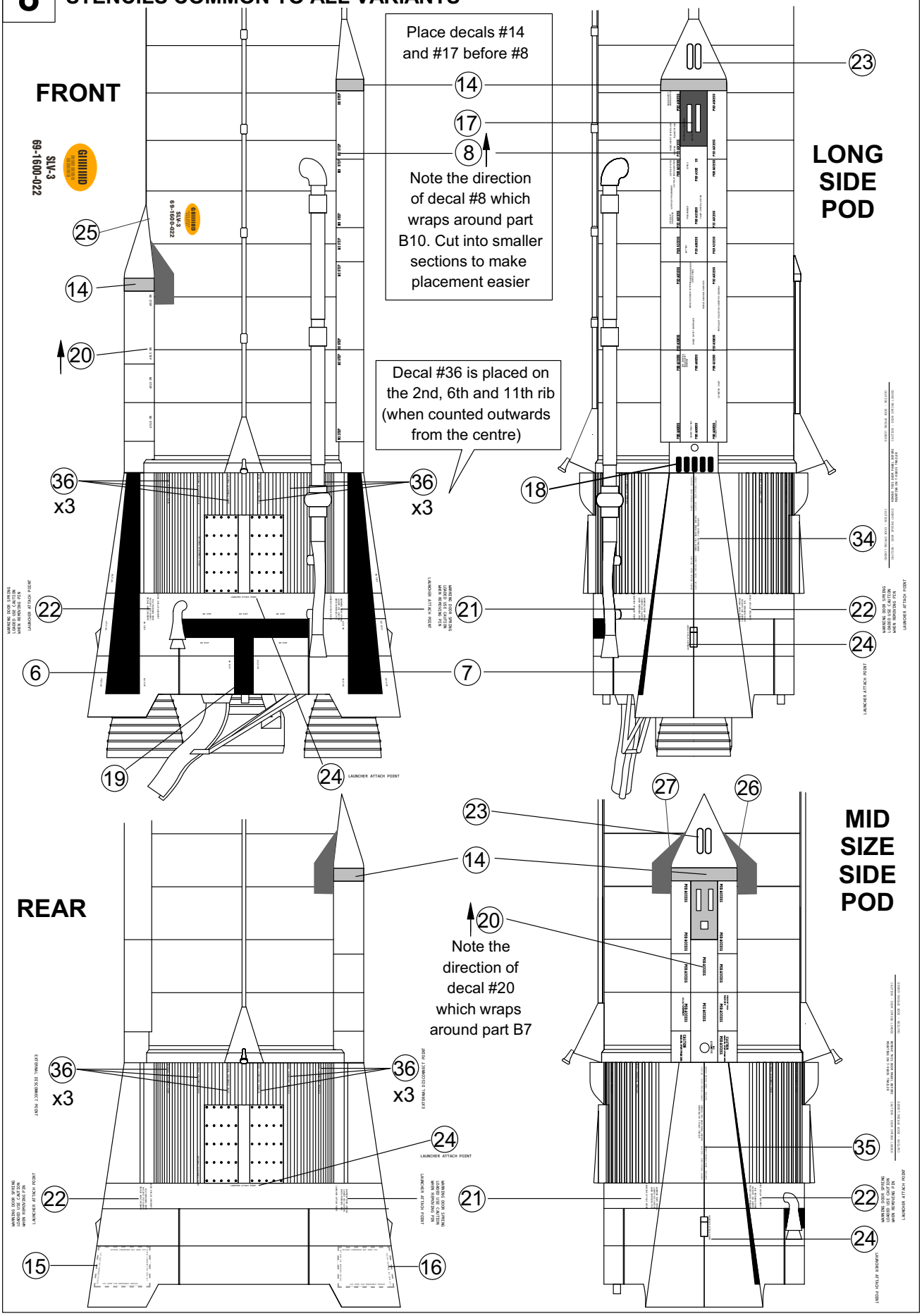


Decal 37 for GT-8 & GT-11 only

Decals 48 & 49 for GT-12 only after placing decals 11 & 12

Note that the last square is longer to ensure full wrap. Trim any excess.

8 STENCILS COMMON TO ALL VARIANTS



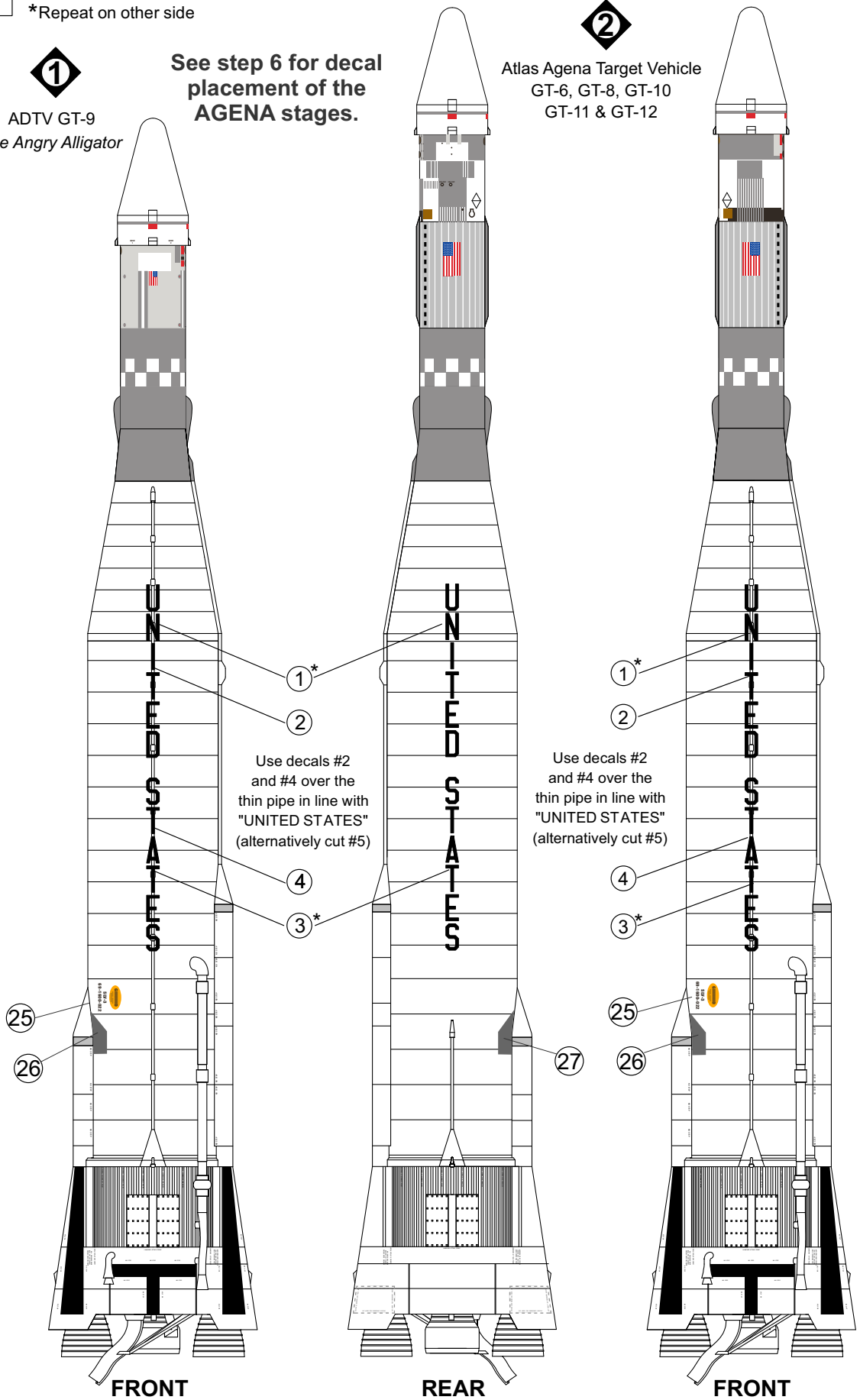
9 APPLY DECALS

*Repeat on other side

See step 6 for decal placement of the AGENA stages.

① ADTV GT-9
The Angry Alligator

② Atlas Agena Target Vehicle
GT-6, GT-8, GT-10
GT-11 & GT-12



⚠ WARNING

CHOKING HAZARD: KEEP AWAY FROM CHILDREN UNDER THREEYEARS OF AGE.
DO NOT USE PAINTS OR GLUES NEAR FLAMES OR FIRE, OR WITHOUT ADEQUATE VENTILATION.

This model is intended for ages 14 and older.
Beware of small and/or sharp parts.
Throw away plastic bags when no longer required.

PAINT AND GLUE NOT INCLUDED
Use paints and glues in a well ventilated area.
Take care when handling knifes and other sharp objects.

Assembly

1 Study these instructions carefully before assembly noting the payload and marking options you will build.
2 Remove the parts from the sprue one at a time with a sprue cutter & carefully sand off any excess plastic.
3 Test fit the parts to ensure they fit correctly, then glue into place using polystyrene glue.
4 Some parts should be painted prior to gluing to the main assembly.
5 Before painting, carefully sand the model if required, then wash it in a soapy solution.
6 Allow to dry thoroughly before applying paint.
7 Paint the model in a well ventilated area, and allow to dry thoroughly.
8 Apply the decals (see instructions below).
9 Seal the decals with a clear coat of paint (allow at least one day for the decals to dry thoroughly).

Applying Decals

1 Cut the decal from the carrier sheet.
2 Dip the decal into water for about 10 seconds.
3 Place the decal on a cloth to absorb excess moisture.
4 Wet the model where you want to place the decal.
5 Slide the decal from the backing paper directly onto the model.
6 Do not lift the decal off the sheet as this may cause it to fold.
7 Once positioned correctly, press the decal gently with a soft cloth.

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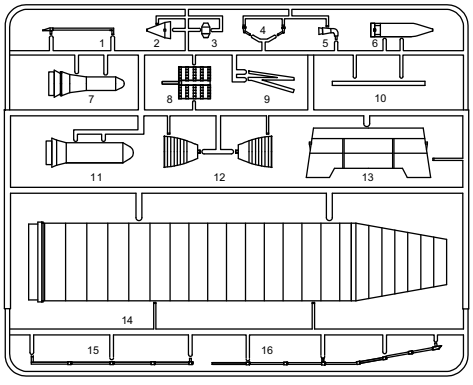
MADE IN AUSTRALIA

Sprue A (x2)

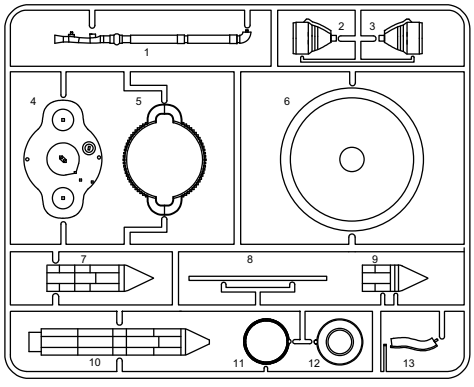
Parts A3, A6, A7 & A11 not used



1 Fuel pressure line
2 Vernier fairing (small)
3 Cable way fairing cover (not used)
4 Vernier engine (x2)
5 Fuel fill & drain valve
6 Vernier fairing (large) (not used)
7 Mk 3 re-entry vehicle (not used)
8 Vernier heat radiation shield
9 Turbine exhaust duct brace
10 Cable way fairing (top)
11 Mk 4 re-entry vehicle (not used)
12 Booster engine half (x2)
13 Thrust structure fairing (lower)
14 Tank structure
15 Liquid oxygen pressure line (lower)
16 Liquid oxygen pressure line (upper)

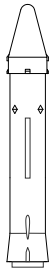
Sprue B

Part B9, B11 & B12 not used



1 Liquid oxygen line
2 Sustainer engine (left half)
3 Sustainer engine (right half)
4 Fire shield nacelle
5 Thrust structure fairing (upper)
6 Display stand
7 Equipment pod (medium)
8 Cable way fairing (lower)
9 Equipment pod (not used)
10 Equipment pod (long)
11 Mk 2 re-entry vehicle (not used)
12 Nose cone adaptor (not used)
13 Booster engine turbine exhaust duct

AGENA Upper Stage (x2)



1 Agena rocket half