

Thunderbirds: Model Making and Kit Parts list-Part 1 of 2

Date/version: August 2026

Contents

Thunderbirds: Model Making and Kit Parts list -Part 1	1
Resources	3
Puppets	5
Main Vehicles	26
Thunderbird 1	26
Thunderbird 2	29
Thunderbird 3	32
Thunderbird 4	36
Thunderbird 5	37
FAB1	46
The Mole	47
Firefly	62
Remote Camera	67
Common fonts.....	70
Episodes, Season 1	76

This is an open resource, intended for model makers and those who have an interest in the behind-the-scenes work of Thunderbirds. This resource is free for anyone to use.

If there are differences between, models/episodes and the movies, such as the font on the pod is different between the series and the movie Thunderbird 6, try and acknowledge this.



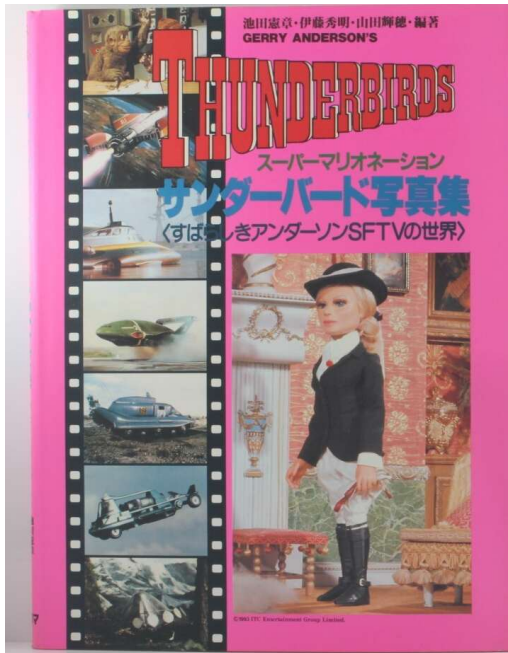
If parts/fonts are disputed, please acknowledge this.

Please acknowledge authors/researchers who have contributed to this.

We also acknowledge the now, non-existent, Eagle Transporter forum, this was the foundation for much of this work.

We acknowledge the 'Identified' Facebook group

Resources



Gerry Anderson Photo guide, in Japanese but excellent photos of the models.

<http://davidsissonmodels.co.uk/> excellent guide to making scratch-built replicas

Matthew Teevan video on the use of the Airfix Girder Bridge

https://www.youtube.com/watch?v=_90Sm0gfYM&t=35s&fbclid=IwAR3A0daDwmDfHY_uh5Fi1peKGbLMZTkLNkwzTmHHaMPhSW6DKFtWXmOA9A4

Matthew Teevan video on Caterpillar Tracks

<https://www.youtube.com/watch?v=l9OZy97PIeE>

Matthew Teevan video on other kit parts

<https://www.youtube.com/watch?v=bN77RPBVUjY>

Paul Harrison Youtube Channel

<https://www.youtube.com/@Thunderbirds-models>

Gazelle Automations recreation of Scott's chair, https://www.youtube.com/watch?v=dOHPvG4_FpM

<https://www.sylviaanderson.co.uk/parkers-props/>

List of toy cars used in the series, https://thunderbirds.fandom.com/wiki/Die-Cast_Toy_Vehicles?fbclid=IwAR0-Jc0GI7_XPO59KDOqsiQdb5kPf0PY1kGAkY007eveLATv9-VT64I9h78

Puppets

Scott Tracy



THE MANY FACES OF SCOTT TRACY

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



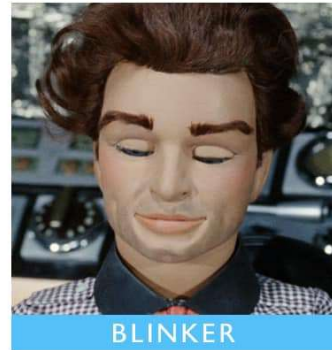
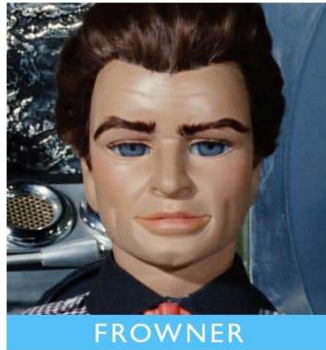
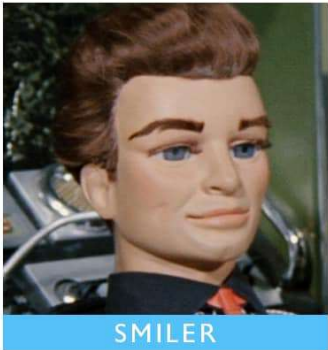
FROWNER



BLINKER

THE MANY FACES OF SCOTT TRACY

SERIES
TWO



THE MANY FACES OF VIRGIL TRACY

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



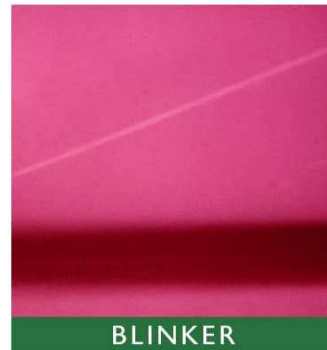
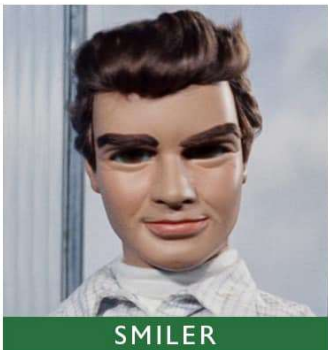
FROWNER



BLINKER

THE MANY FACES OF VIRGIL TRACY

SERIES
TWO



THE MANY FACES OF ALAN TRACY

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



BLINKER

THE MANY FACES OF ALAN TRACY

SERIES
TWO



S1 NEUTRAL



NEUTRAL



NEUTRAL TWIN B



SMILER



FROWNER



BLINKER

THE MANY FACES OF GORDON TRACY

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



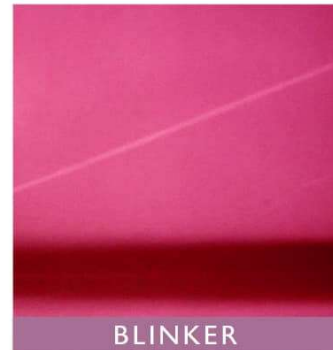
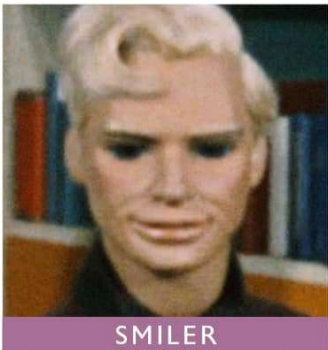
FROWNER



BLINKER

THE MANY FACES OF JOHN TRACY

SERIES
ONE



THE MANY FACES OF JEFF TRACY

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



BLINKER

THE MANY FACES OF JEFF TRACY

SERIES
TWO



S1 NEUTRAL



NEUTRAL



NEUTRAL TWIN B



SMILER



FROWNER



BLINKER

THE MANY FACES OF KYRANO

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



BLINKER

THE MANY FACES OF TIN-TIN KYRANO

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



BLINKER

THE MANY FACES OF BRAINS

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



BLINKER

THE MANY FACES OF GRANDMA

SERIES
ONE



NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER

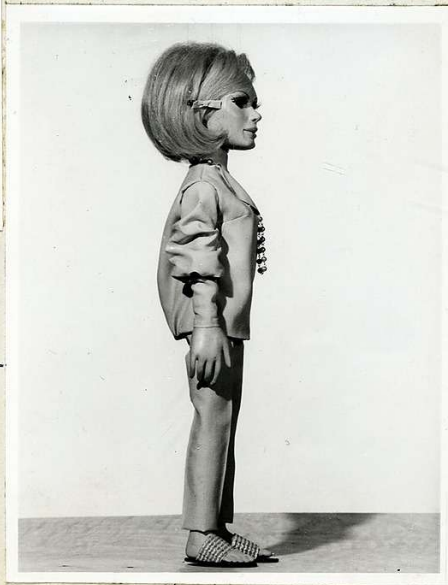


BLINKER

918620



FRONT VIEW



SIDE VIEW



REAR VIEW

THE MANY FACES OF LADY PENELOPE

SERIES
ONE



NEUTRAL TWIN A



NEUTRAL



NEUTRAL TWIN B



SMILER



FROWNER



BLINKER



Lady Penelope in Thunderbirds Are Go, has a long fringe (Also used in Alias Hackenbacker)



Lady Penelope in Thunderbirds 6 has much more of a tan

918618



FRONT VIEW



SIDE VIEW



REAR VIEW

THE MANY FACES OF PARKER

SERIES
ONE



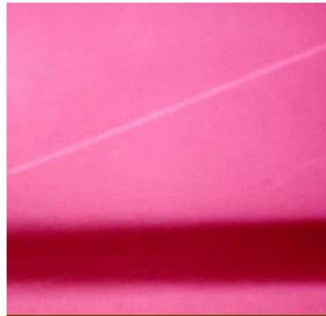
NEUTRAL



NEUTRAL TWIN



SMILER



FROWNER



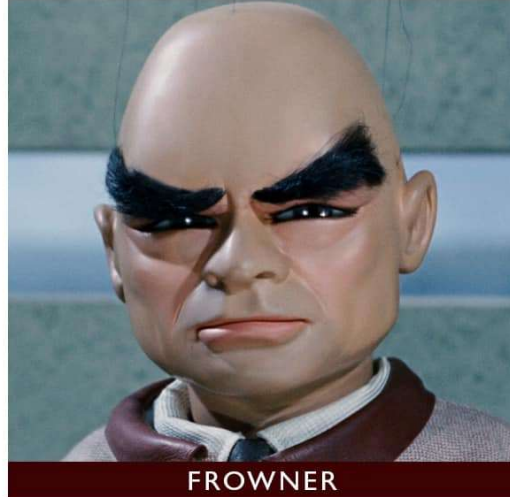
BLINKER

THE MANY FACES OF THE HOOD

SERIES
ONE



NEUTRAL



FROWNER



DISGUISE HEAD (REDRESSED IN EACH EPISODE)

IR font on hat



Main Vehicles

The 'hero vehicles' were made by Master Models of Middlesex

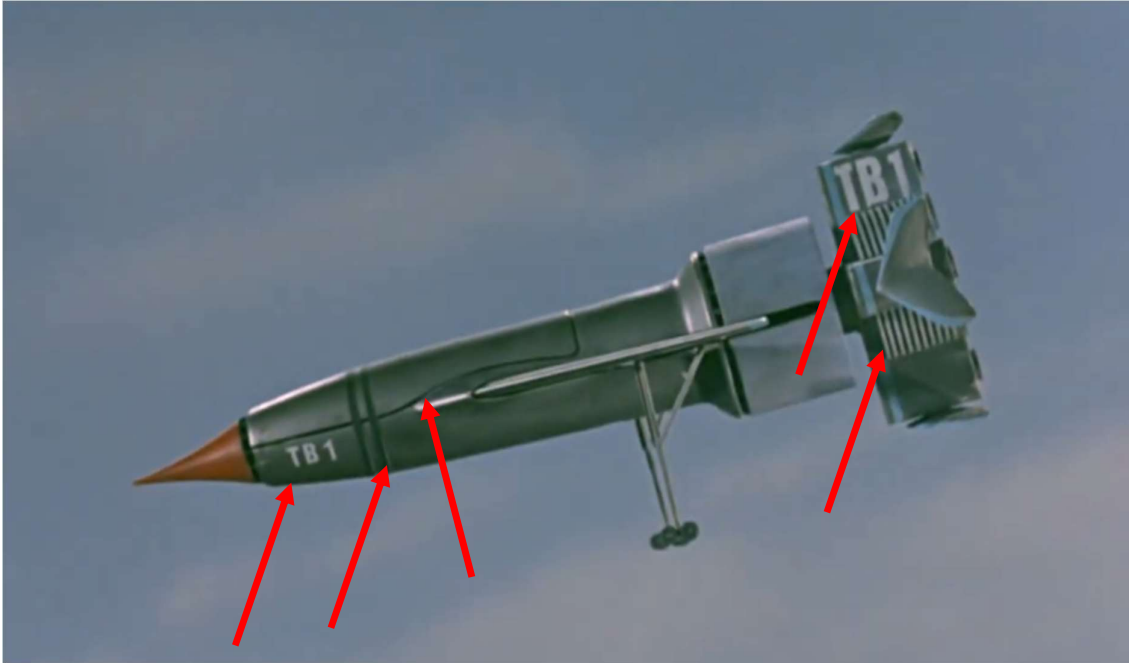
Thunderbird 1

Measurements 2 feet/23.5 inches/60cms, height. Base T excluding fins, 180cms

There were many different filming models of Thunderbird 1.

https://thunderbirds.fandom.com/wiki/The_Models_of_Thunderbird_1

These are some differences



918621



SIDE VIEW

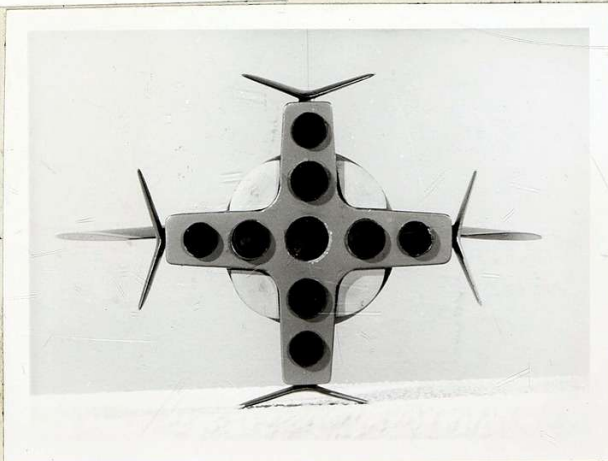


SIDE VIEW



FRONT END

REAR END



Fonts

Univers59

Or Grotesque MT Condensed

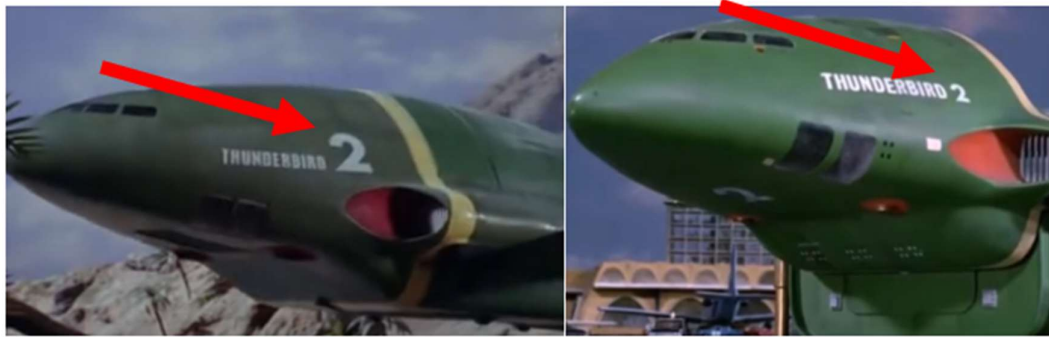
Thunderbird 2

Size

36" long and 27" wide

The different models of Thunderbird 2

https://thunderbirds.fandom.com/wiki/The_Models_of_Thunderbird_2



After Terror in New York City, the studio model was destroyed and rebuilt. It was rebuilt with a different green and the middle is bigger.



Fonts

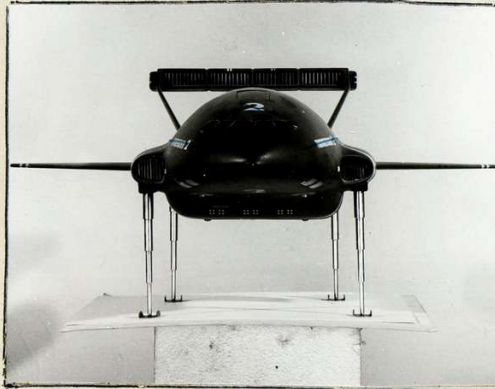
'launch sequence' model, the lettering is Grotesque 9, and the numbers are Futura Bold.

918622

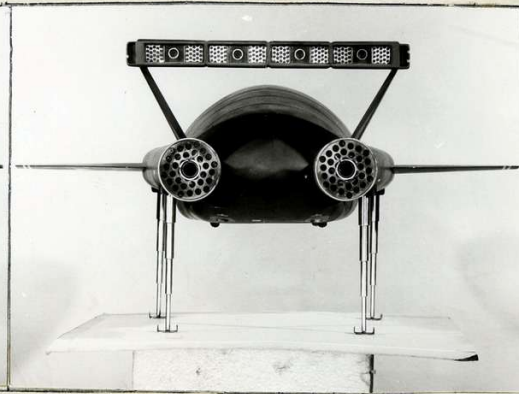
SIDE VIEW



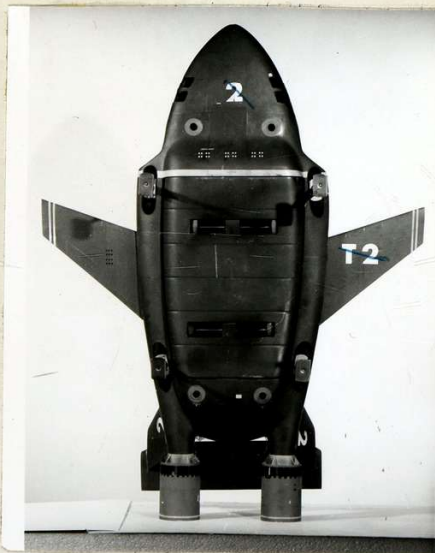
FRONT END



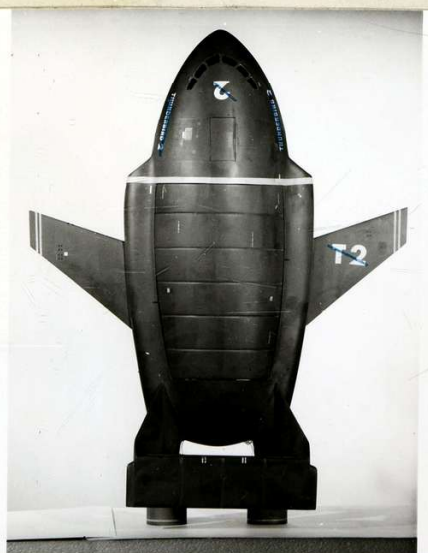
REAR END



UNDERSIDE VIEW



TOP VIEW



Parts

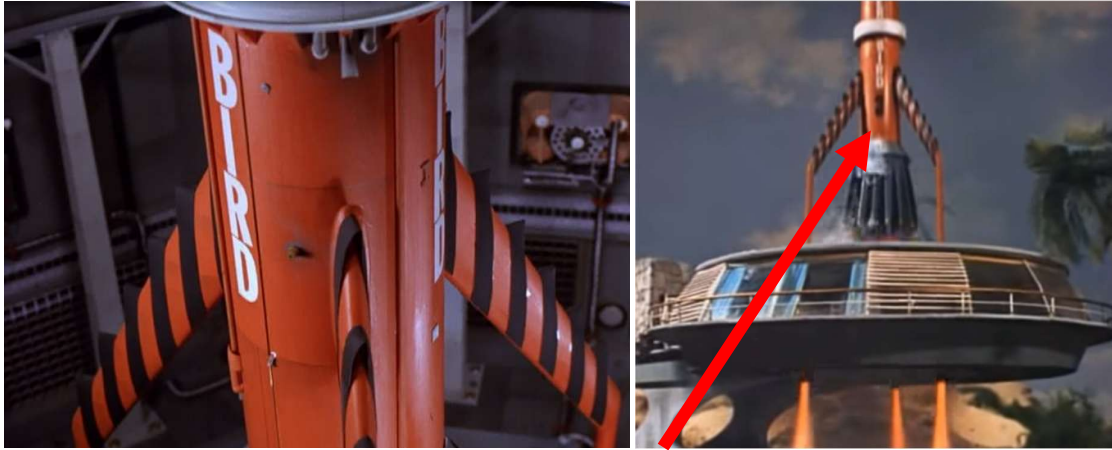
Squares on the pod front, Airfix Girder Bridge feet



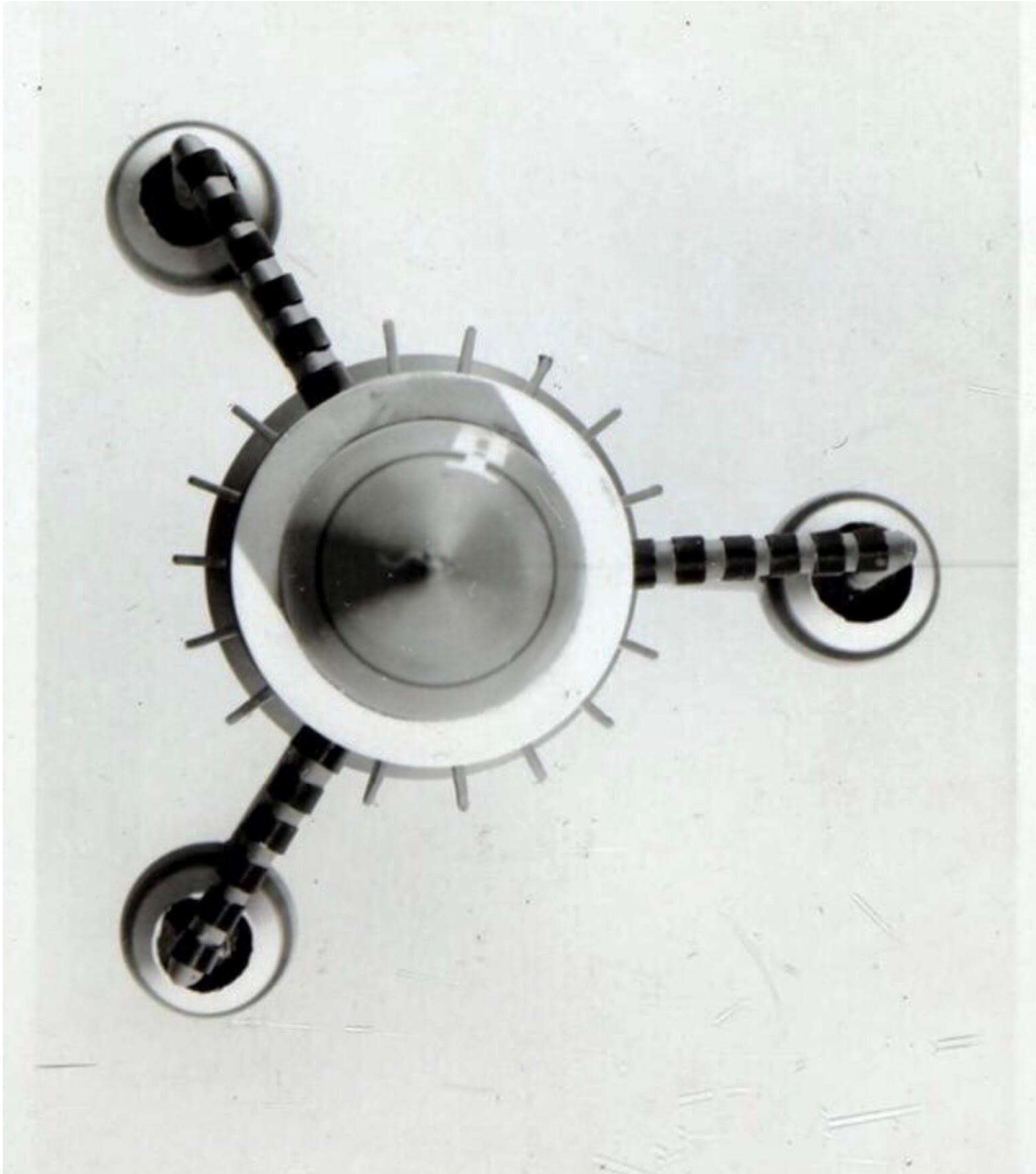
Thunderbird 3

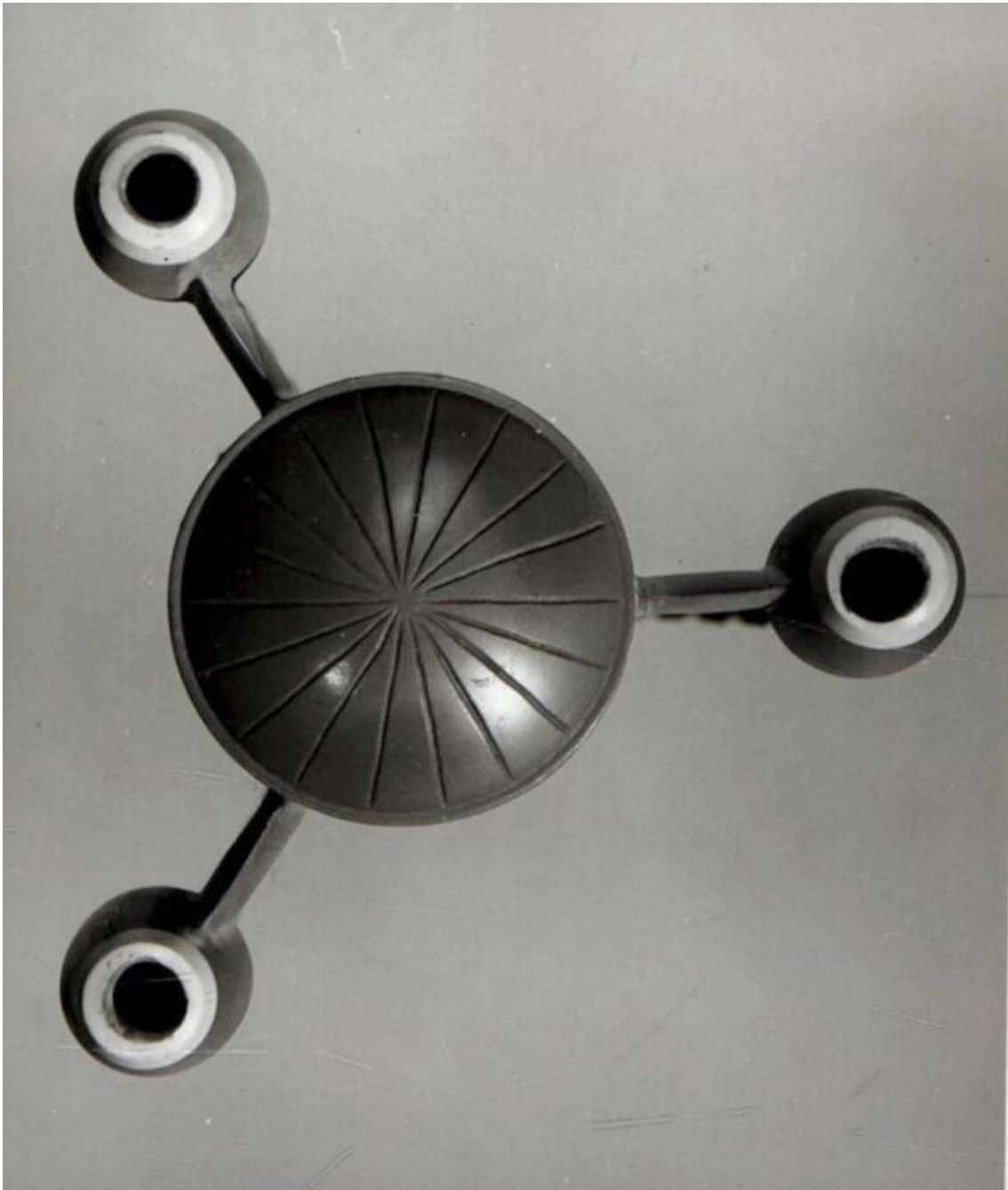
Size

There were two different filming models, one was 2 feet (launch sequence with black number 3), one was six feet (72") used for detailed shots in Security Hazard and Sun Probe.









Thunderbird 4



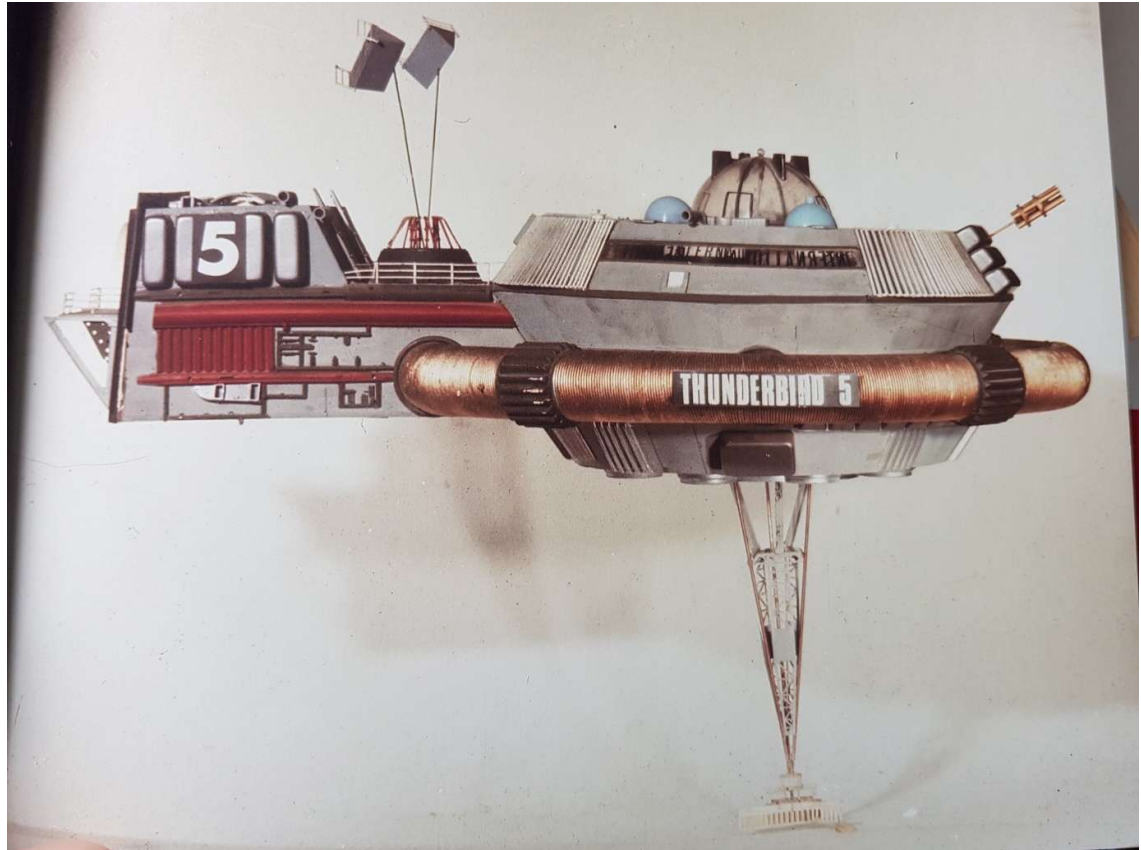
Measurements

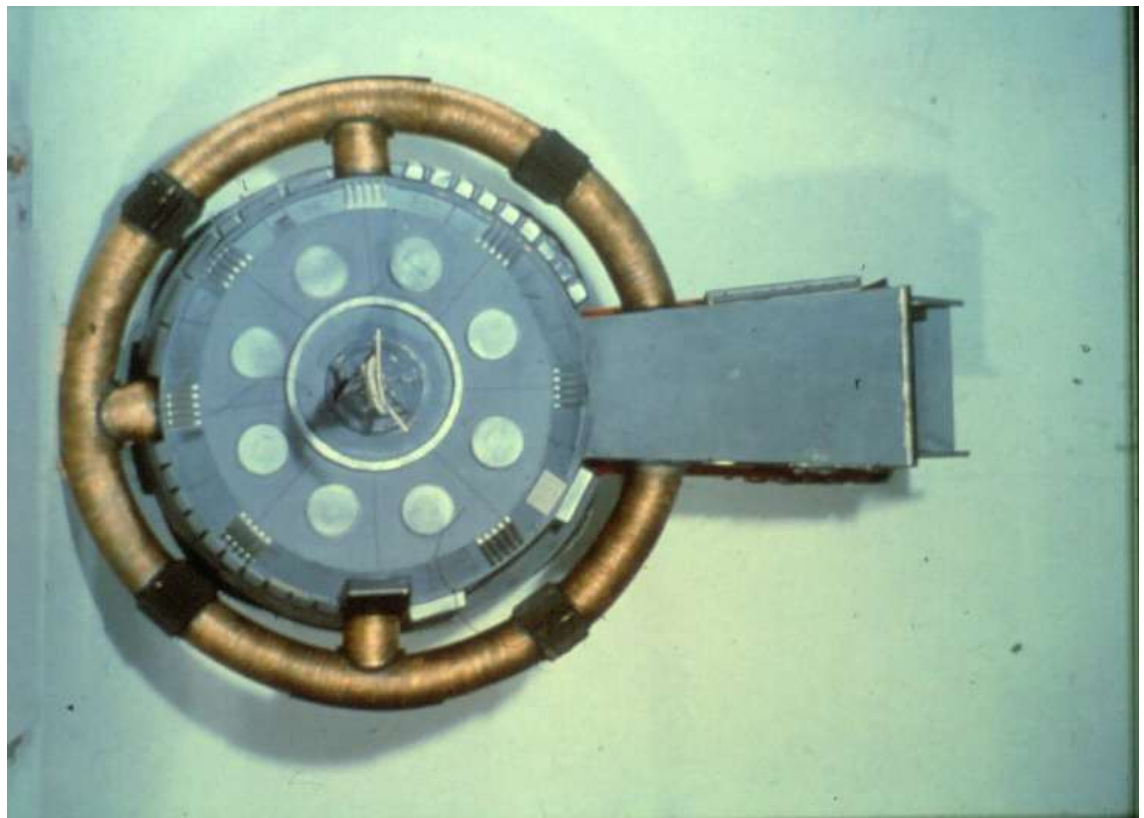
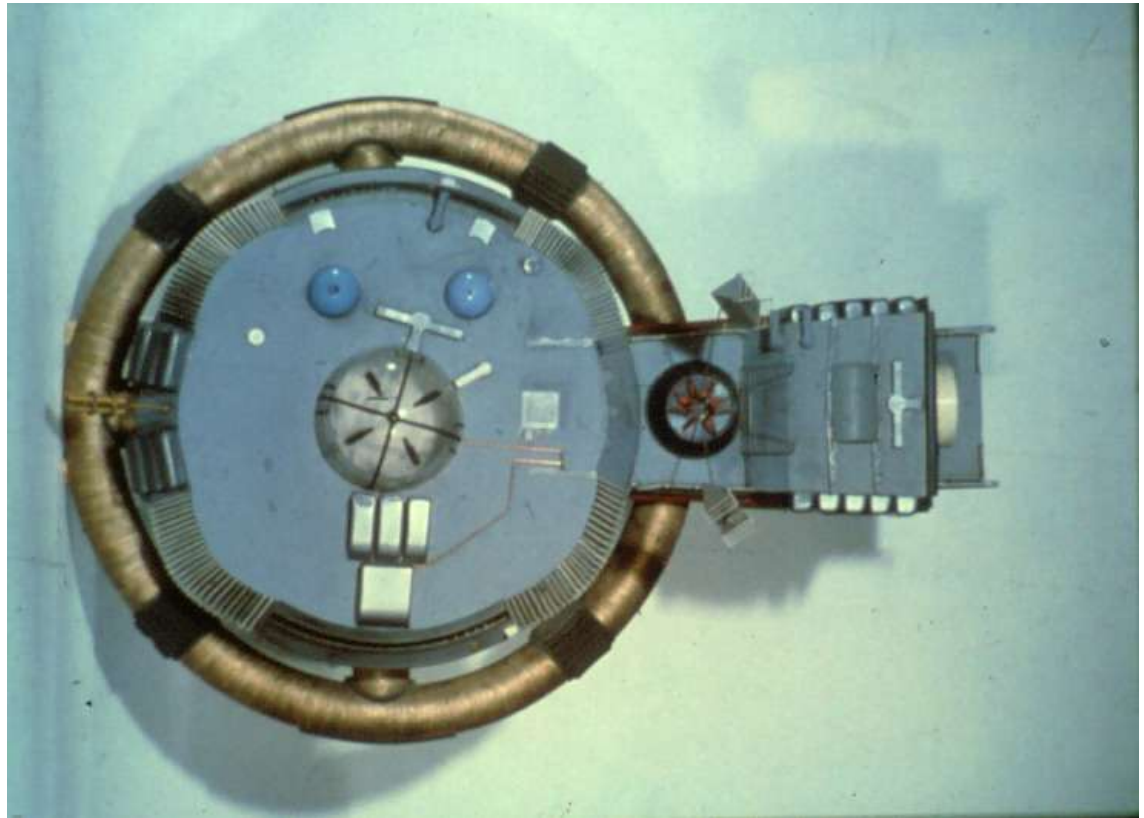
30" long by 13" wide

Thunderbird 5

Measurements

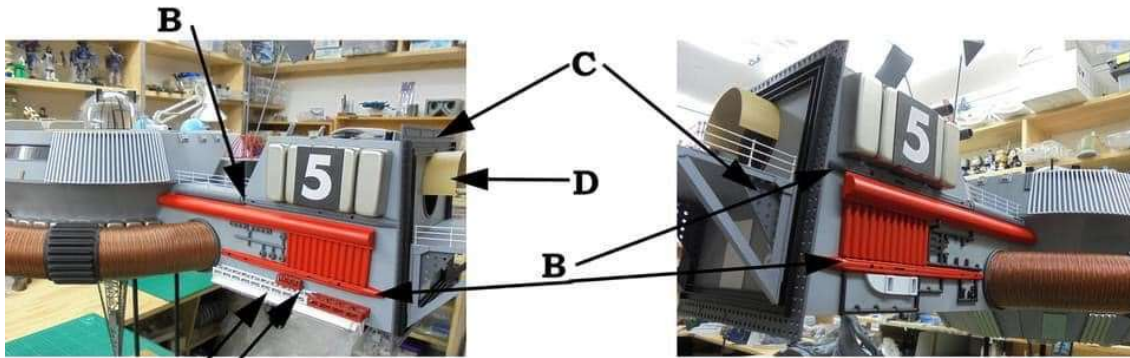
29" long by 19" wide







Parts



- A** Jupiter C
- B** Nike Ajax
- C** Tallon Tek
- D** Airfix Windmill

All other parts on the sides are unknown, including the sprue. I made my own patterns scaling them off the known pieces.

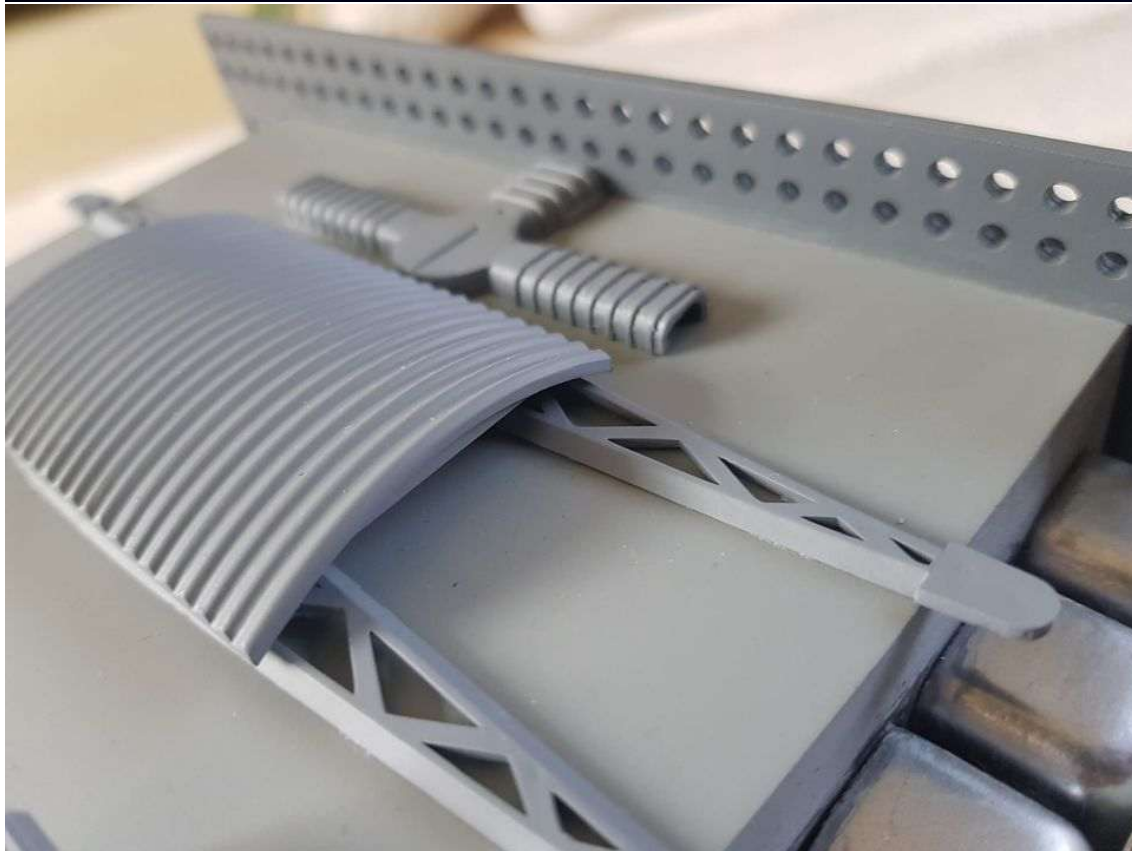
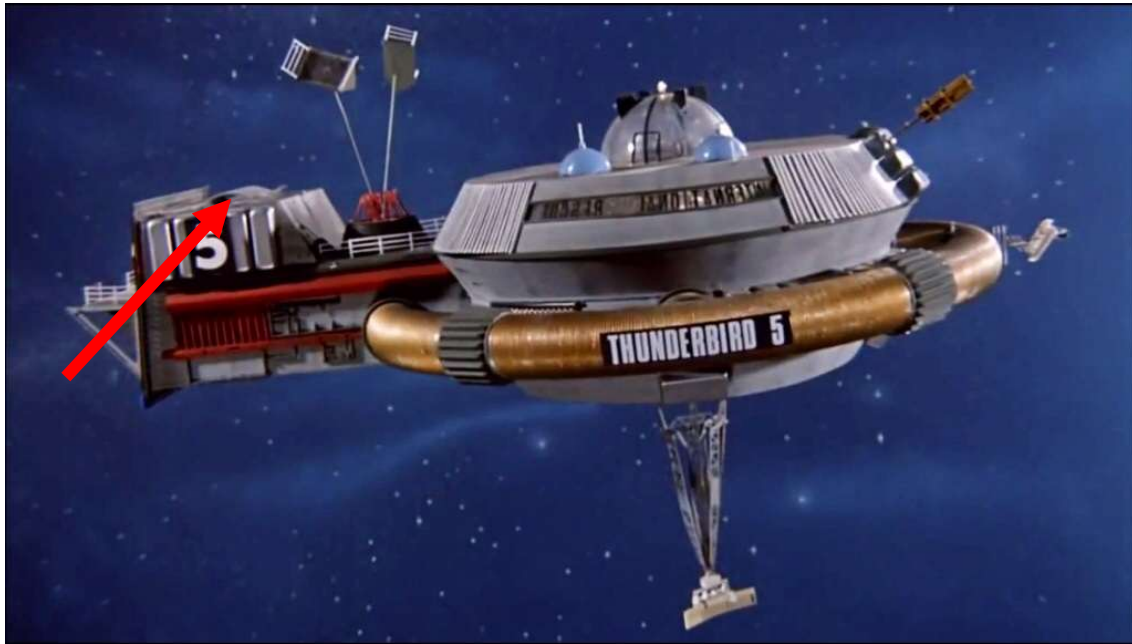
White railings either Ripmax boat railings or HO fencing.

Silver blocks, left over packaging,



Domes at the top are from an Egg box

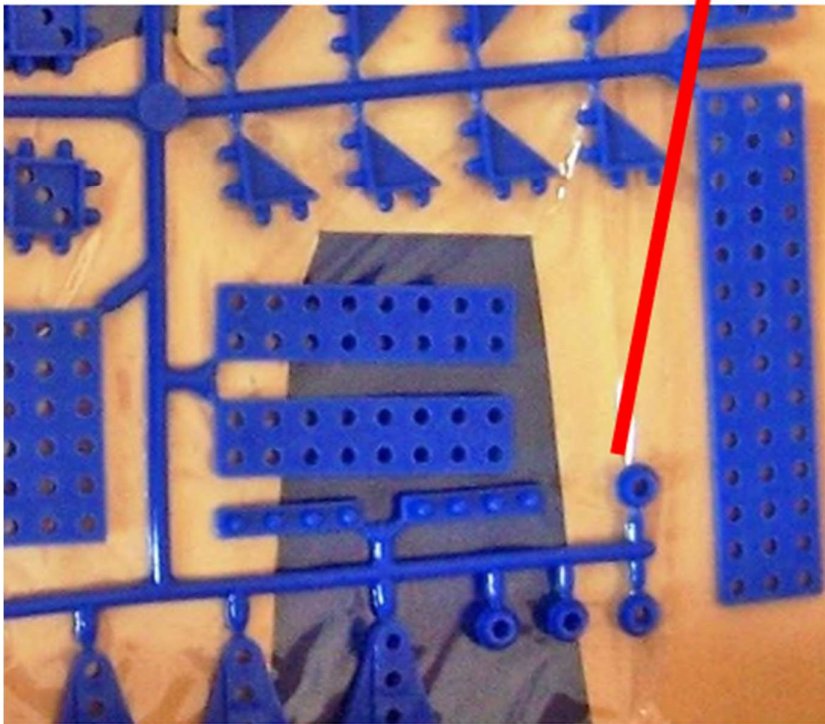
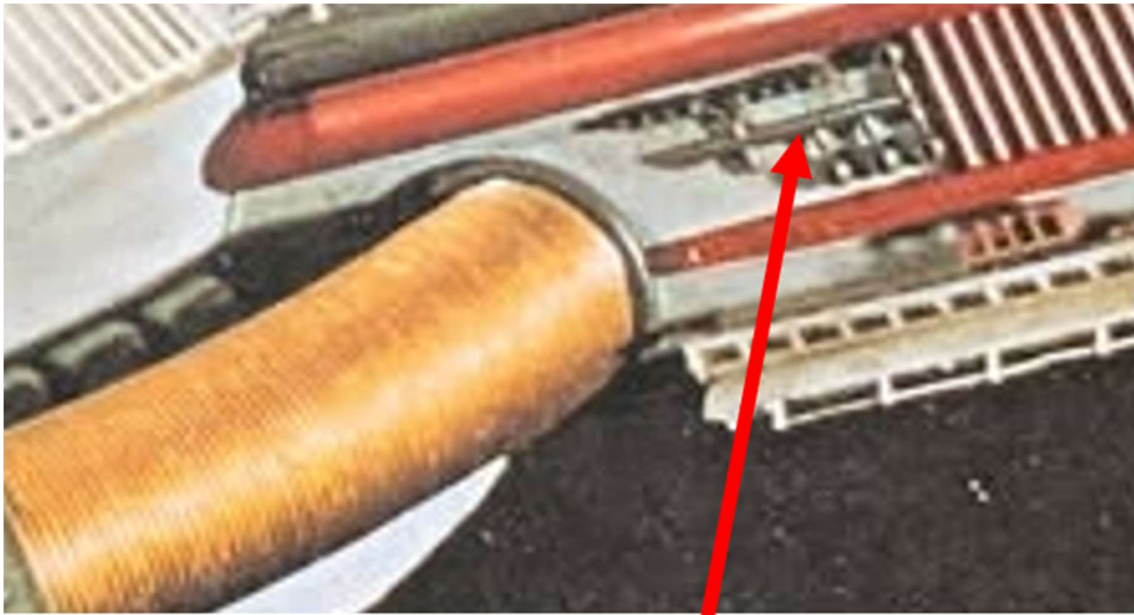




Airfix Travelling Crane 2 roof and Airfix Hovercraft H.D.L (02007-7) T section



Credit Paul Harrison and David Tremont



Reverse side of Thunderbird 5, Tallon Tek kit 1

FAB1

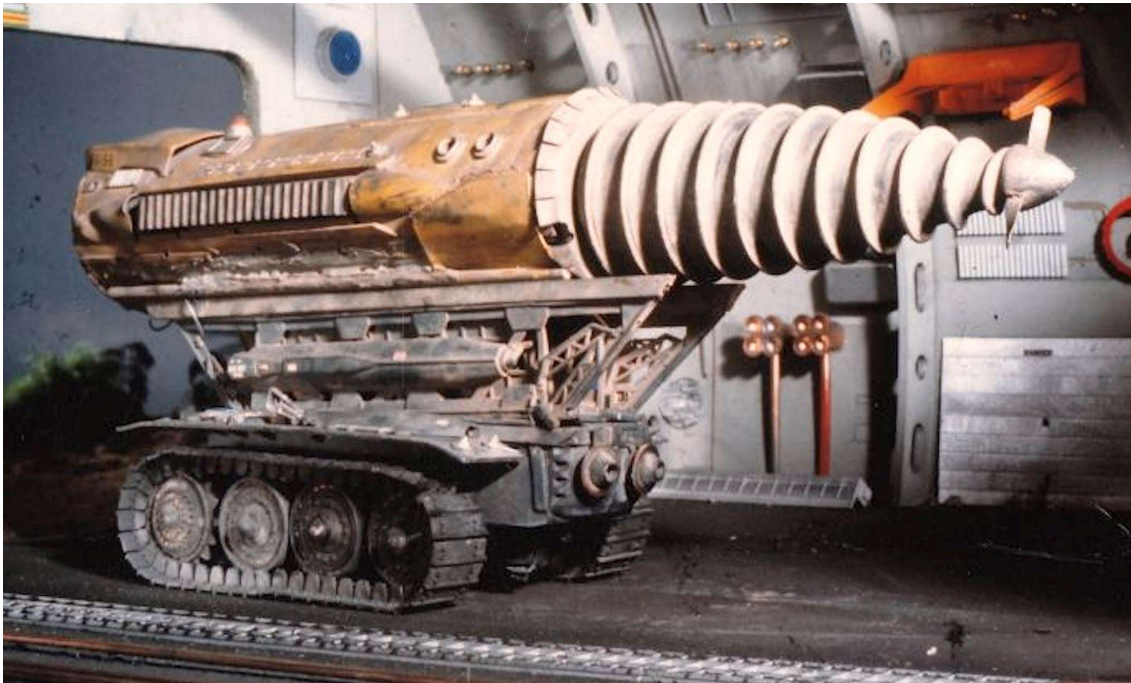


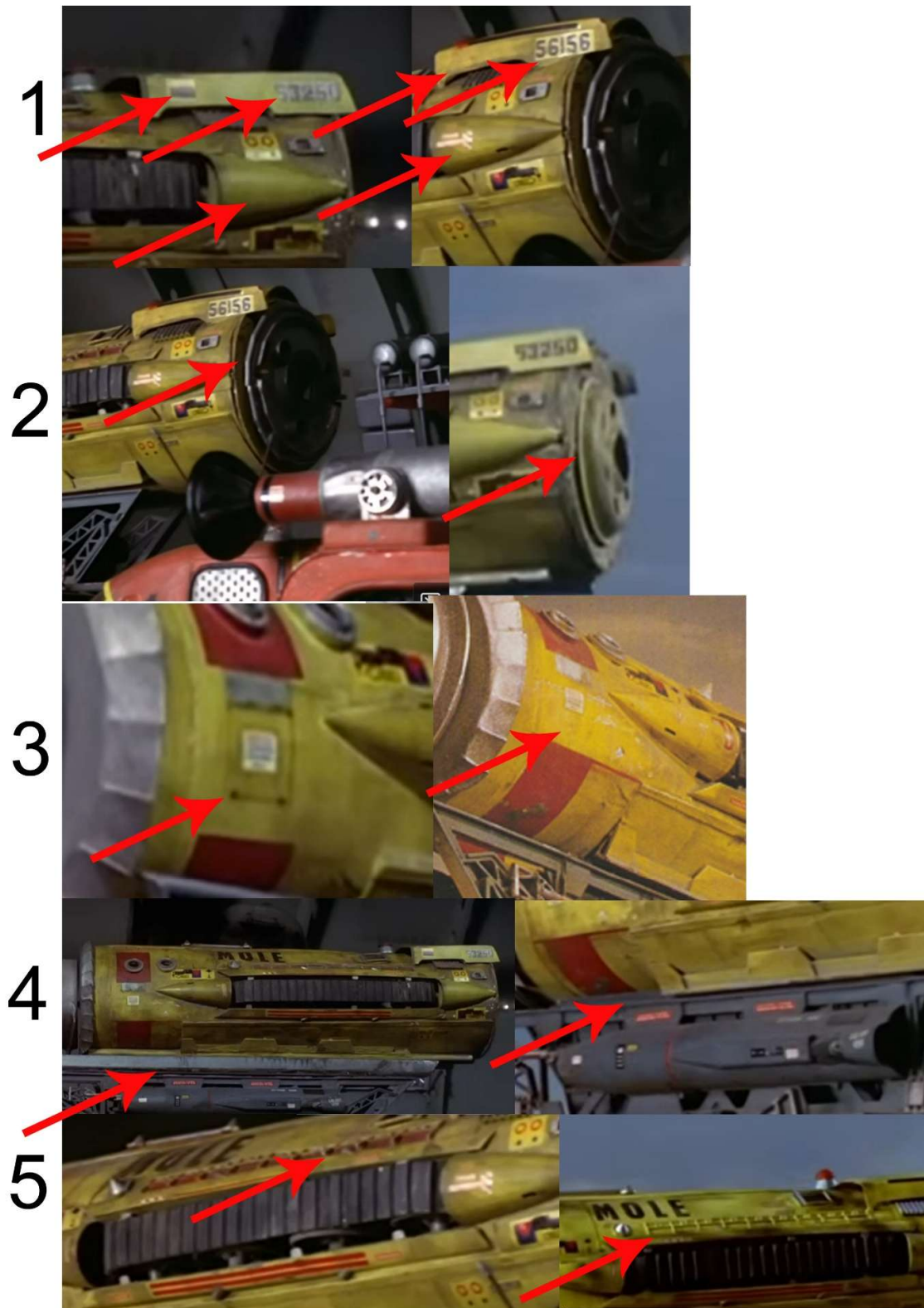
There was a puppet scale model and a smaller one that is roughly the size of the AMT Silhouette

The Mole

Tube Diameter 90mm, 24" long

It was badly damaged after the filming of City of Fire and was either rebuilt completely or refurbished.





1 Numbers on the back hood change from 56156 to 53520

The decal on the front of the hood is missing.

Decals missing from the back missile part.

2 The back changes from silver to yellow with a different part.

3 The little arrows under the white decal are missing

The decal under the red square (off Jupiter C) changes from grey to white, early versions of Jupiter C were in grey.

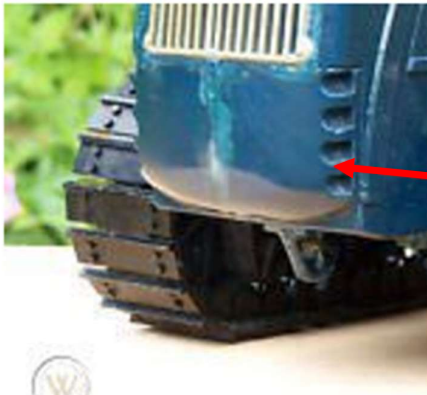
4 A metal rail is added to the top of the carrier.

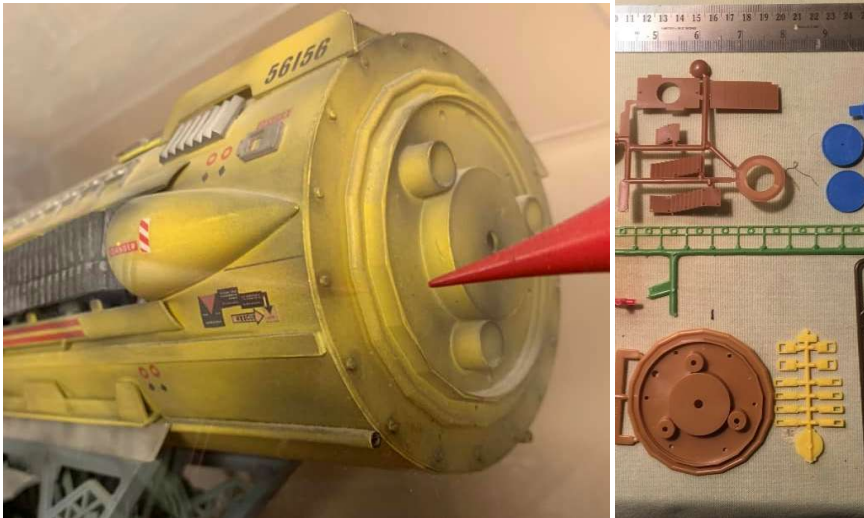
5 The paint behind the silver rail changes from yellow to red.



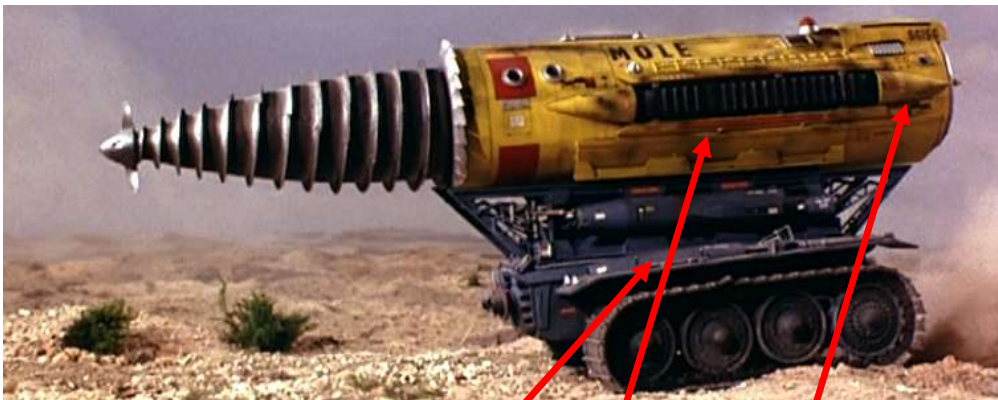
Wheels/tracks Vickers Vigor tractor

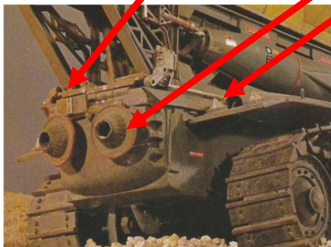
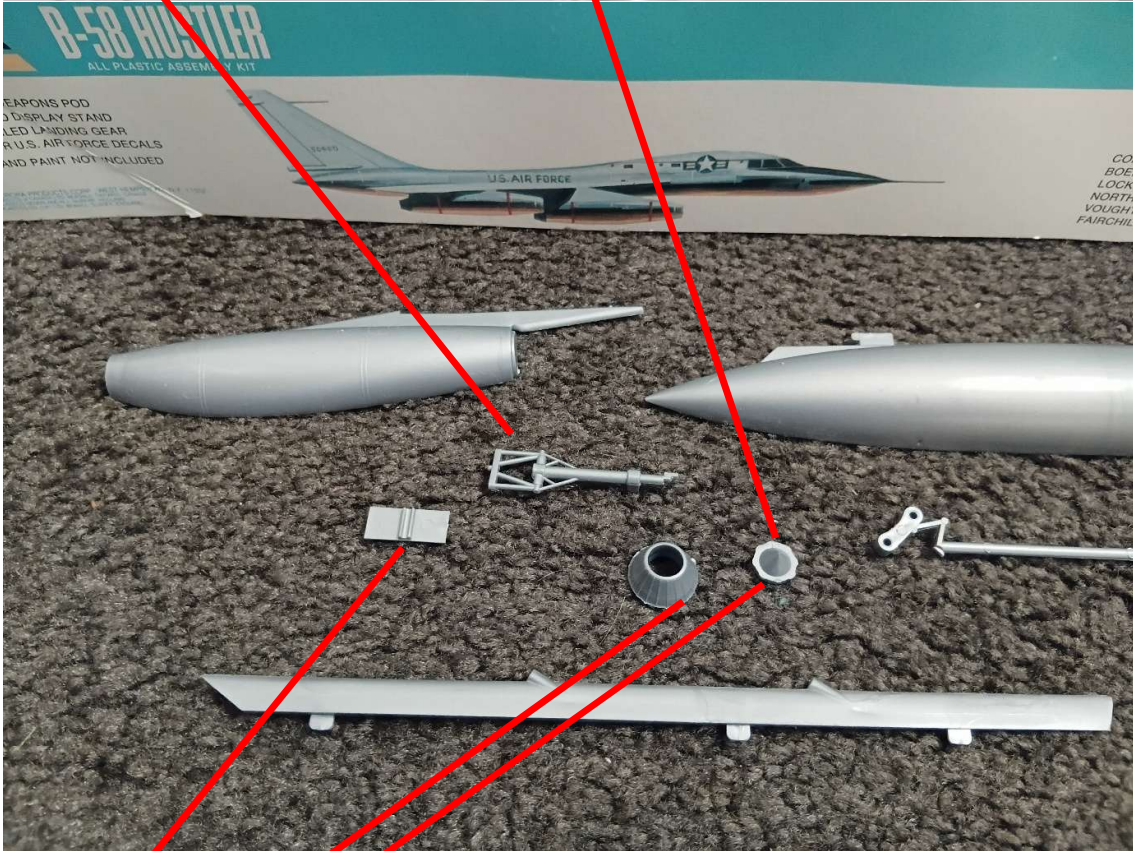
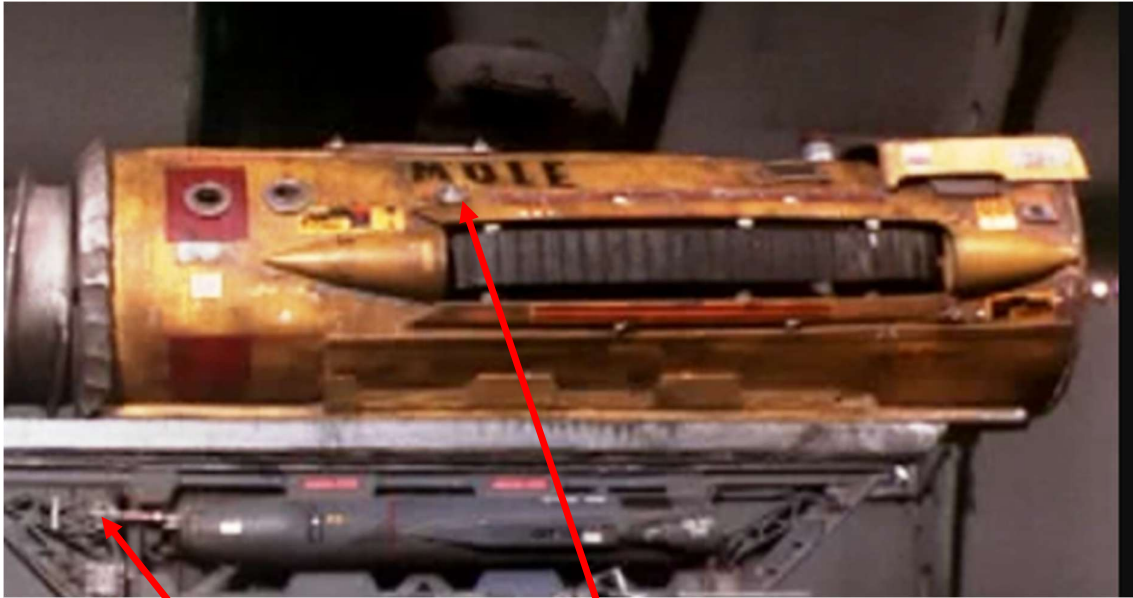
Front Vickers Vigor tractor/Tow Bar Vickers Viggor

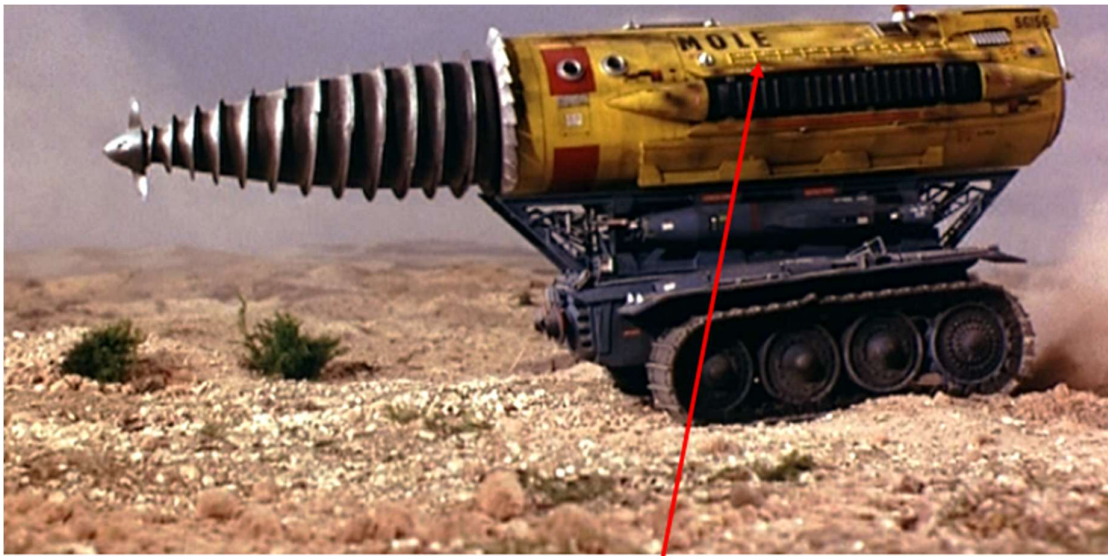


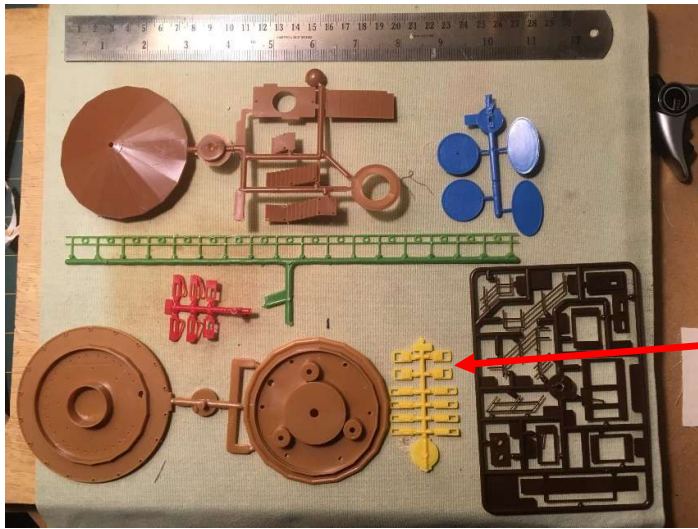


The Faller Cafe B 214 roof parts form the rear end plate of the mole body and give you the diameter of the tube required (90mm).









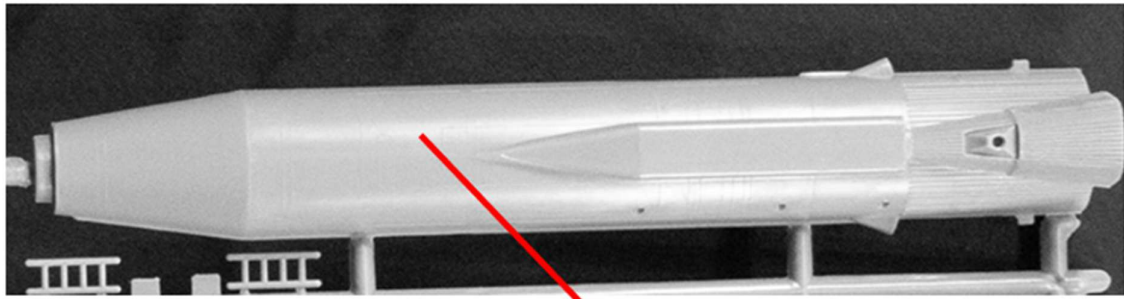
Fallar Cafe

Wheels behind tracks Marx Baby Bulldozer



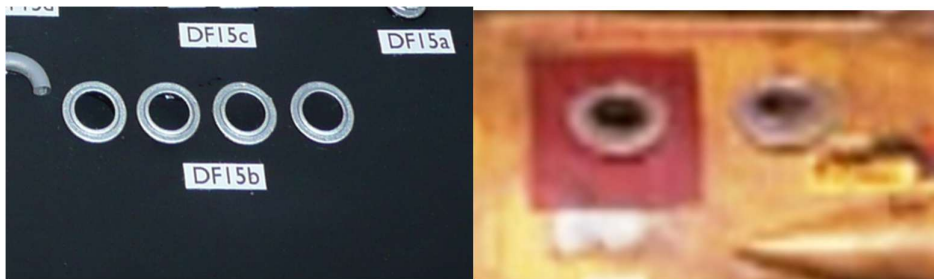
Side tracks, Triang Minic tank

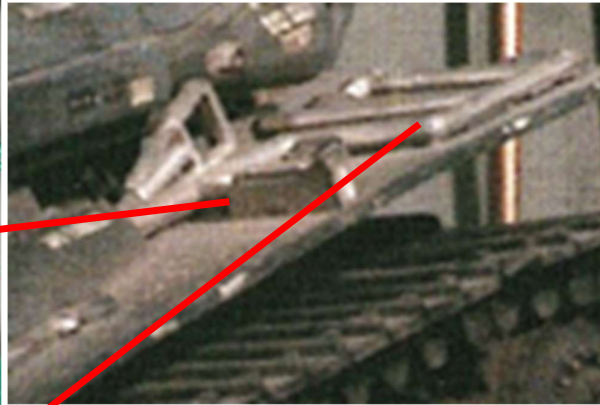
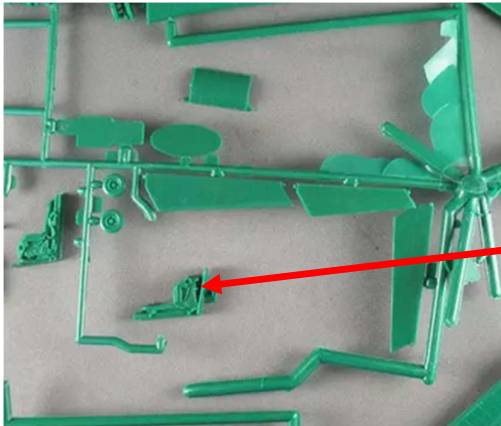




Side rocket, Revell-Everything is Go

Port holes, Ripmax

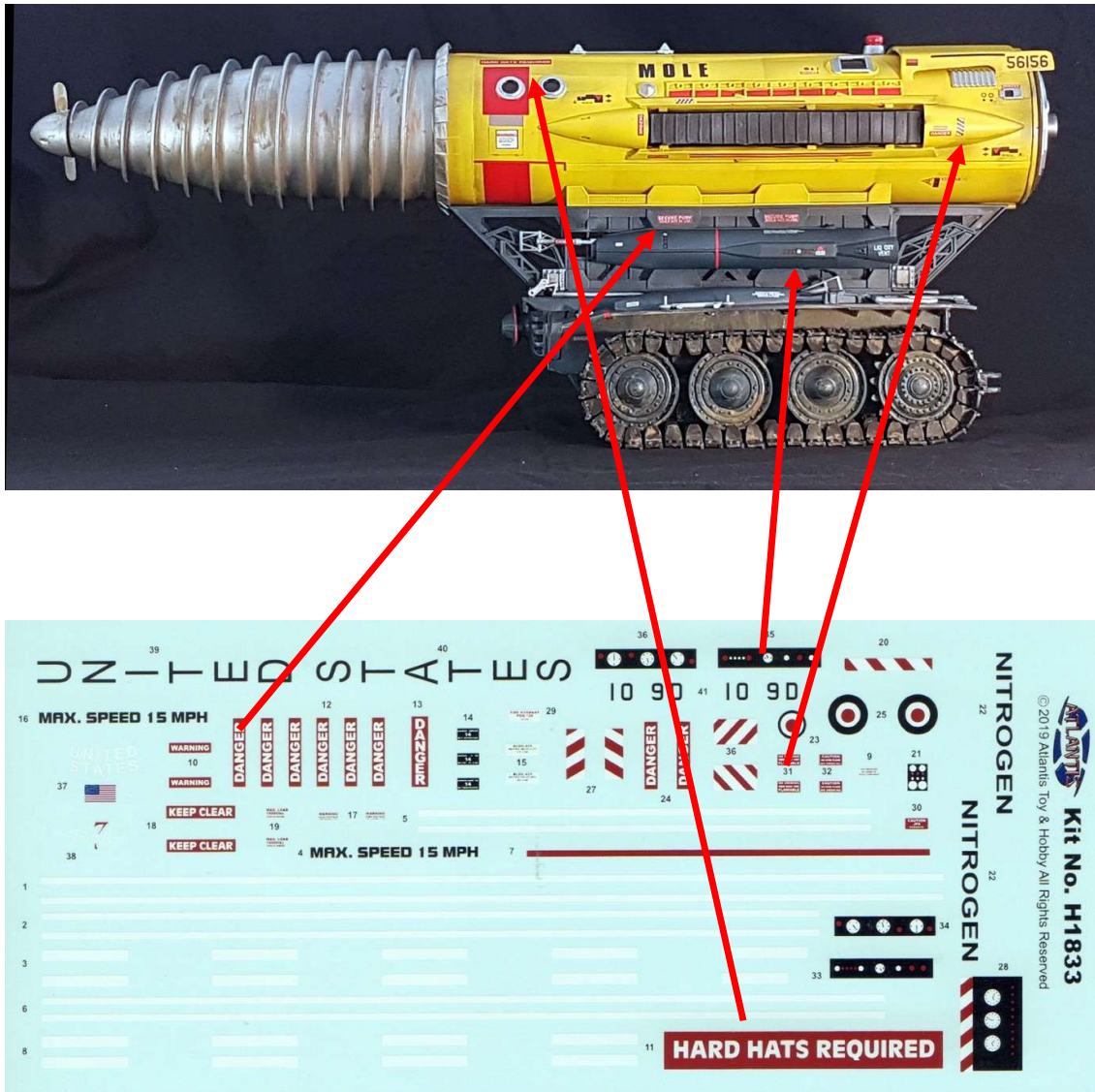




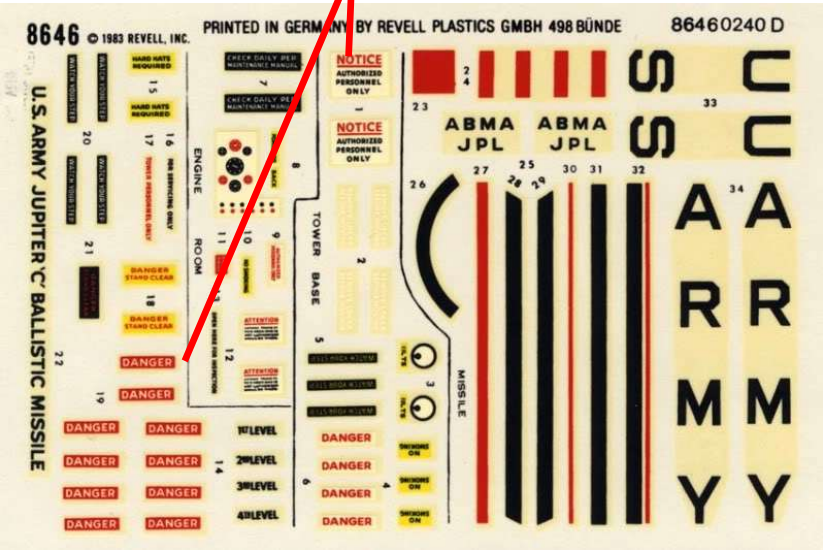
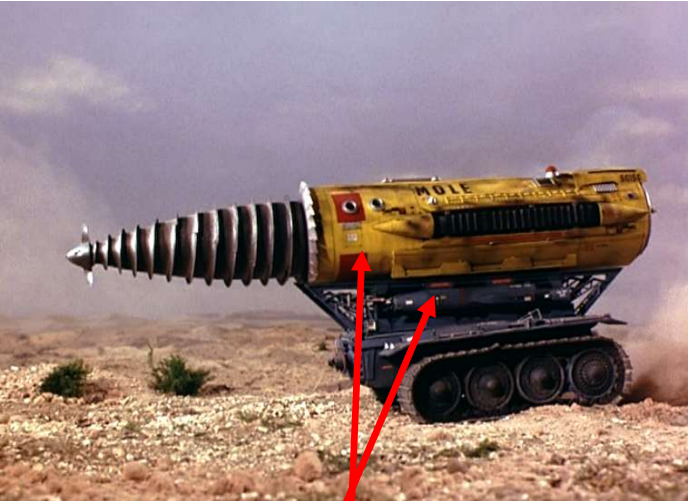
Lindberg F100 Super Sabre, ejector seat

Spruce of the Aurora B58

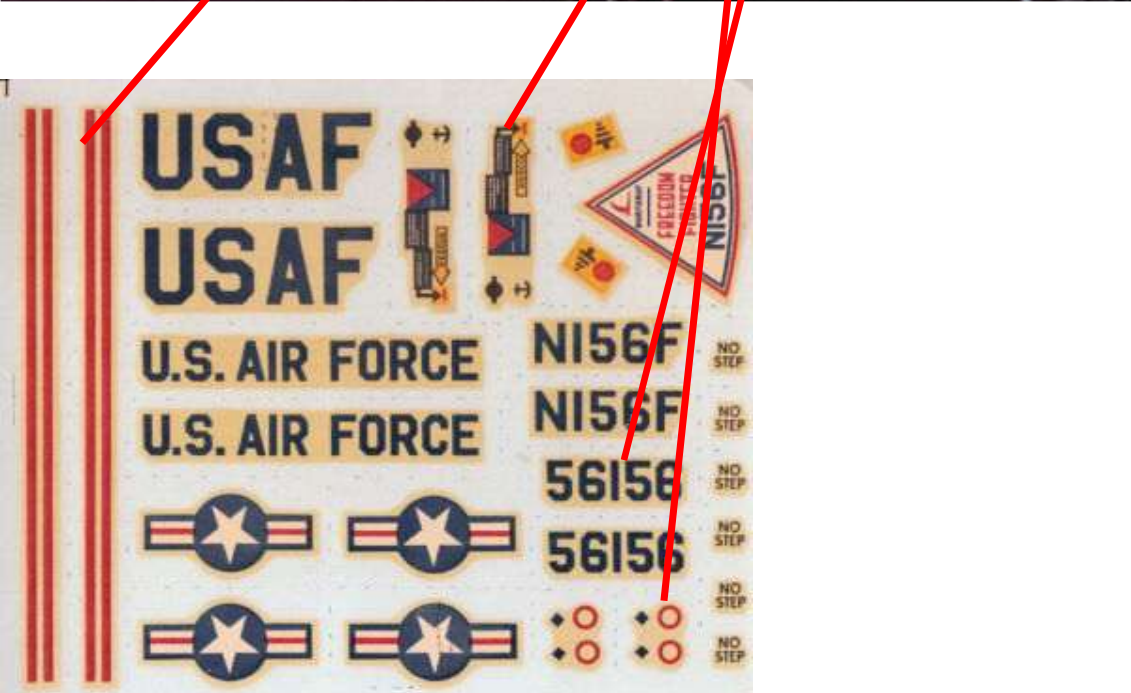
Revell Everything is Go



Revell Jupiter C decals



A photograph of a yellow and red rocket, identified by the number 56156 on its nose, being transported by a large red crawler-transporter. The rocket is mounted on a grey support structure. Four red arrows point to specific features: the first arrow points to the side of the yellow section; the second arrow points to the nose of the rocket; the third arrow points to the side of the yellow section; and the fourth arrow points to the nose of the rocket. The background shows a cloudy sky and a desert landscape.



Decals Revell X15 decals



Firefly



Length 33.5 inches

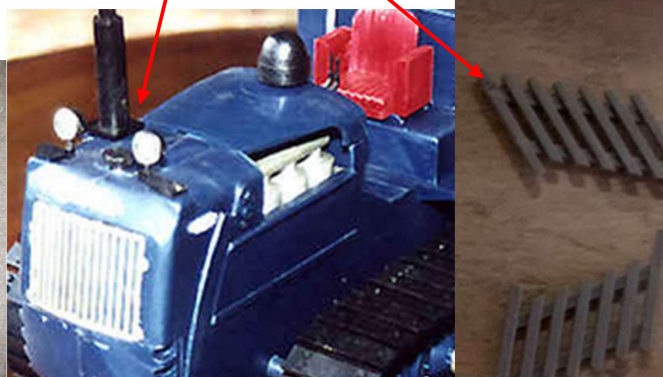
Font Grotesque

Horns originals were Ripmax boat horns.

Rear turret originals were Ripmax life boats).

Airfix Girder Bridge and Signal Gantry pieces.

Aerial bases from Kibri oil tank kit (same as rear of SPV)



Top cab, AMT SILHOUETTE CAR

Lights Vickers tractor

Grills- Airfix kiosk

Barrels, Triang Minic Sherman tank



Airfix hood life rafts for the raised water cannon.

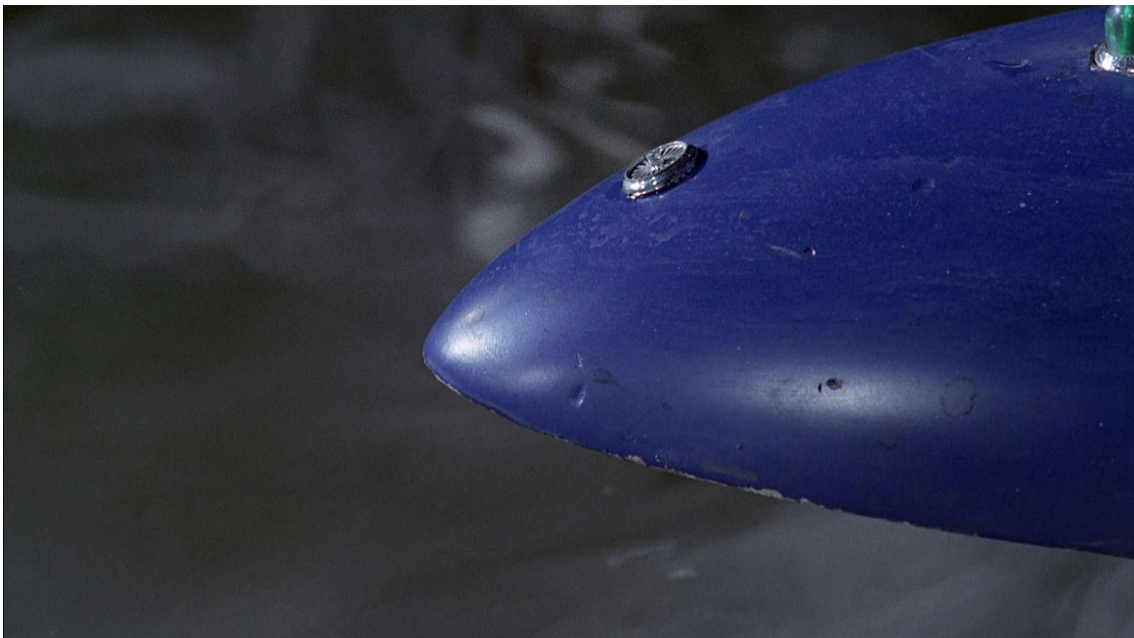


Atlantis | No. H252 | 1:91 Convair B-58 Hustler and Airfix SRN1

Hover Bikes



Revell car wheel part and the panel mount lamp (Bulgin or Arcoelectric?)



Remote Camera





Revell Bomarc IM99 model, at least 2 of these models were required.

The rear, fluted, portions of the Bomarc engines have been cut off.

The foot pads were obviously Girder Bridge pieces with their corners chamfered off.

The chrome rings on the front, back and underside are the right size to have been wheel rims from the Revell Custom Car Wheels set, probably the wire wheels with the 'wires' removed (the plain rims do not have the step seen on the inner surface)

Many of the decals appear to have been sourced from the Bomarc kits but I can't identify the lettering used for the 'PRTV-7' name.

The camera pieces in the nosecone have small grey/silver caps which I can't identify.

The bottom left pic in image shows a quick CG model scaled to the Bomarc pieces; this makes the overall size of the prop hull 4.75 inches (rear red part 3.25 x 1.5, front transparent part 1.5 x 1.375)

The transparent nose cone might be a sheet of clear plastic wrapped into shape; it is taped front, back, top and bottom.

From Mick Imrie

Common fonts

<https://blogfonts.com/anderson-thunderbirds-vehicle.font?fbclid=IwAR26V1t6rpwvSnErriTk1Ky5O9NI3FWLE9nrK4pEE7TMw-XT6NY7PUgBrxY>

FAB Facts Doco on Fonts used in the series. <https://www.youtube.com/watch?v=3XkWZY3F2UM>

FRANKLIN GOTHIC CONDENSED

**ABCDEFGHIJK
LMNOPQRSTUVWXYZ**

**abcdefghijkl
mnopqrstuvwxyz**

1234567890

&?!B£\$(;)⌘

Pica

A1

1806 60pt 16.4mm

a

1807 60pt 16.4mm

A1

1808 48pt 13.0mm

a

1809 48pt 13.0mm

Aa1

1810 42pt 11.2mm

Aa1

1811 36pt 9.4mm

Aa1

1812 30pt 7.6mm

Aa1

1813 24pt 6.2mm

Aa1

1814 18pt 4.8mm

Aa1

1815 16pt 4.3mm

Aa1

1816 14pt 3.8mm

FUTURA BOLD

**ABCDEFGHIJKL
MNOPQRSTUVWXYZ
abcdefghijkl
mnopqrstuvwxyz
1234567890
&?!£\$(;)<>'\"**

Didot

A

100 144pt 38.1mm 2 C N

A

566 96pt 25.4mm 2 N

A1

101 72pt 18.3mm C N

a

102 72pt 18.3mm C

A1

103 60pt 15.5mm C N

a

104 60pt 15.5mm C

A1

105 48pt 12.1mm C N

a

106 48pt 12.1mm C

Aa1

107 36pt 9.3mm C N

Aa1

519 28pt 7.4mm N

Aa1

1876 24pt 6.1mm

Aa1

108 20pt 5.5mm C N

Aa1

198 16pt 4.0mm C N

Aa1

197 12pt 3.0mm N

Aa1

196 10pt 2.8mm N

Aa1

195 8pt 2.3mm N

Aa1

194 6pt 1.7mm N

UNIVERS 59

ABCDEFGHIJKL
MNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz
1234567890
&?!£\$(-)ˆ˜˘˙˚˛

Didot

A1

378 72pt 19.1mm

a

379 72pt 19.1mm

A1

380 60pt 15.9mm

a

381 60pt 15.9mm

A1

382 48pt 12.8mm

a

383 48pt 12.8mm

Aa1

384 36pt 9.5mm

Aa1

385 24pt 6.3mm

Aa1

506 20pt 5.1mm

GROTESQUE 9

ABCDEFGHIJKL
MNOPQRSTUVWXYZ
abcdefghijkl
mnopqrstuvwxyz
1234567890
&?!@£\$(;)~/%~»

Pica

A1

124 72pt 20.0mm © N

a

125 72pt 20.0mm ©

A1

126 48pt 12.9mm ©

a

127 48pt 12.9mm ©

Aa1

1877 42pt 11.2mm

Aa1

128 36pt 9.7mm ©

Aa1

1878 30pt 7.9mm

Aa1

129 24pt 6.2mm ©

Aa1

270 18pt 4.7mm

Aa1

1565 14pt 3.8mm

Aa1

1566 12pt 3.0mm

Aa1

1567 10pt 2.7mm

FRANKLIN GOTHIC CONDENSED

**ABCDEFGHIJK
LMNOPQRSTUVWXYZ**

**abcdefghijkl
mnopqrstuvwxyz**

1234567890

&?!@£\$(;)~

Pica

A1

1806 60pt 16.4mm

a

1807 60pt 16.4mm

A1

1808 48pt 13.0mm

a

1809 48pt 13.0mm

Aa1

1810 42pt 11.2mm

Aa1

1811 36pt 9.4mm

Aa1

1812 30pt 7.6mm

Aa1

1813 24pt 6.2mm

Aa1

1814 18pt 4.8mm

Aa1

1815 16pt 4.3mm

Aa1

1816 14pt 3.8mm

Episodes, Season 1

S1E01 Trapped in the Sky

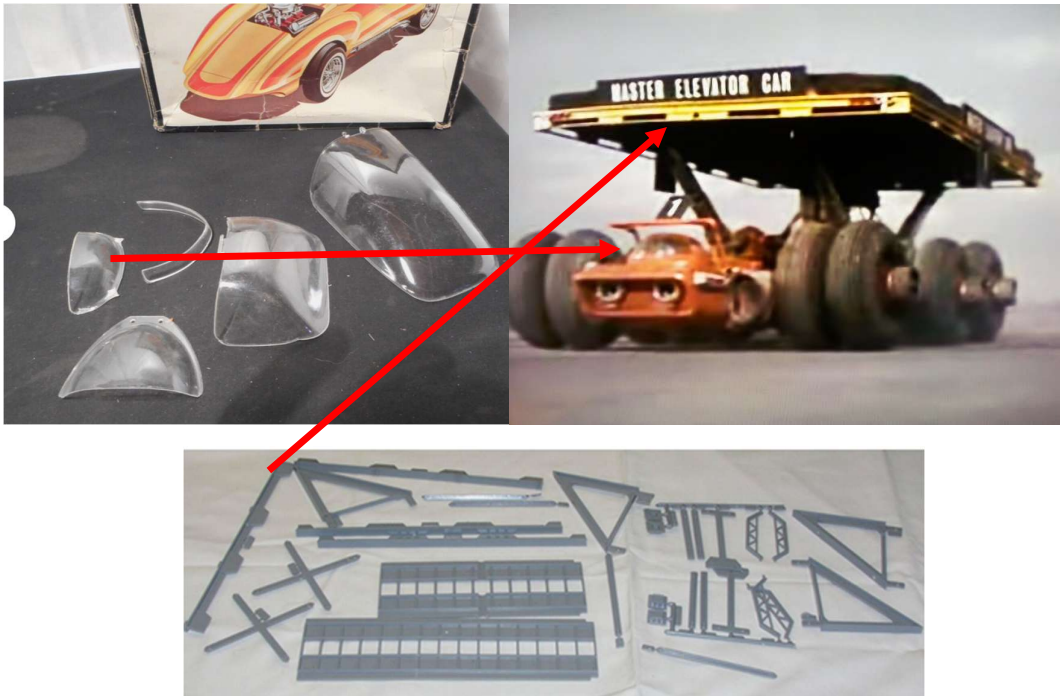
Fireflash 39 inches long

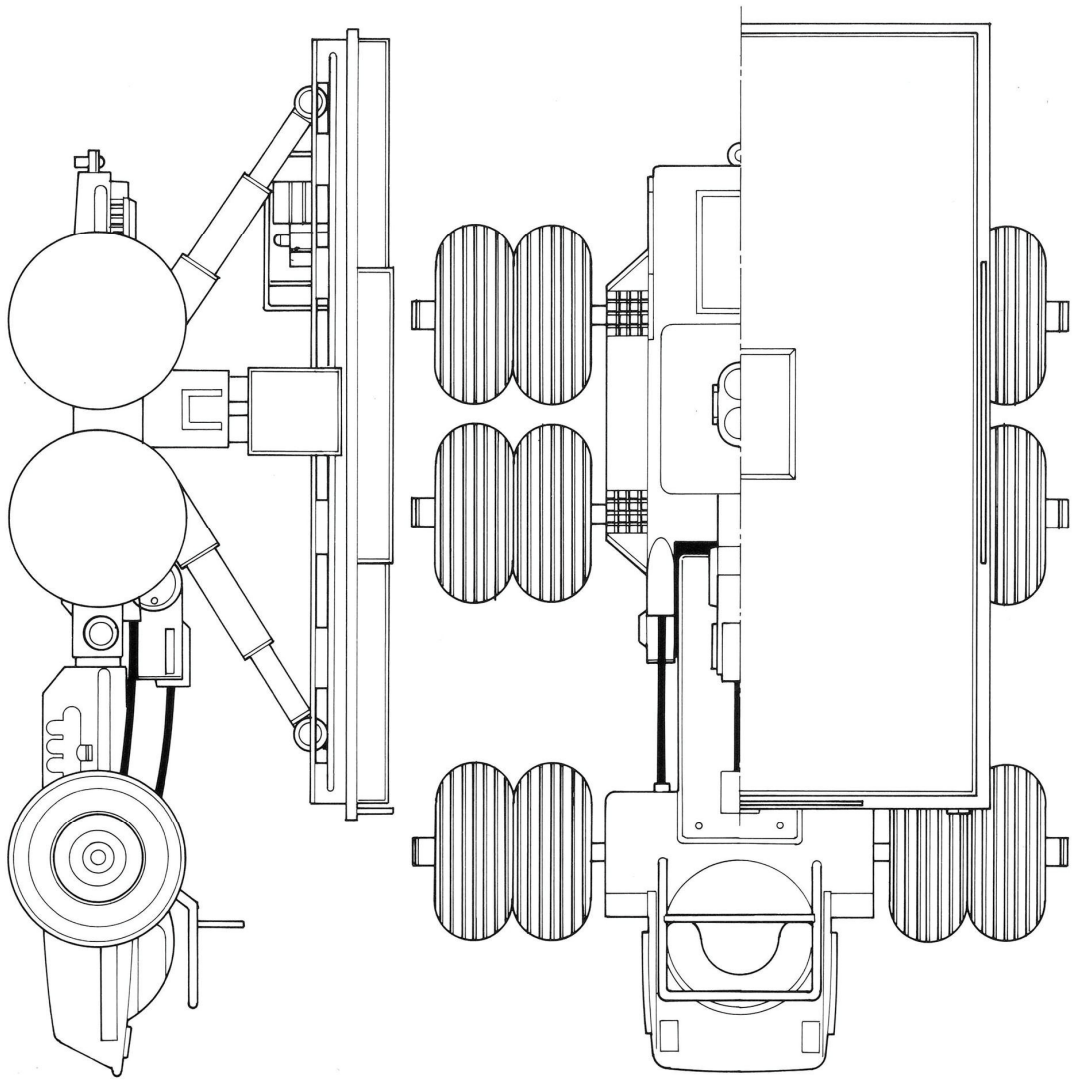
Elevator cars,

5" Keil Kraft treaded aircraft wheels

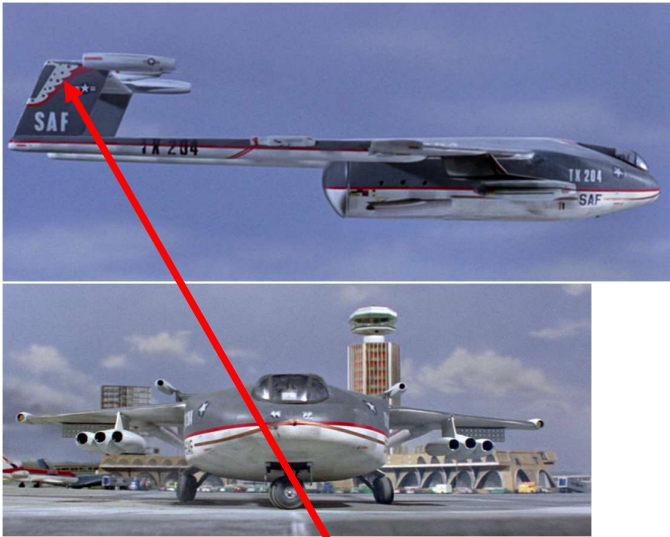
Glass, AMT Silhouette 3

Airfix Girder Bridge trim under the roof





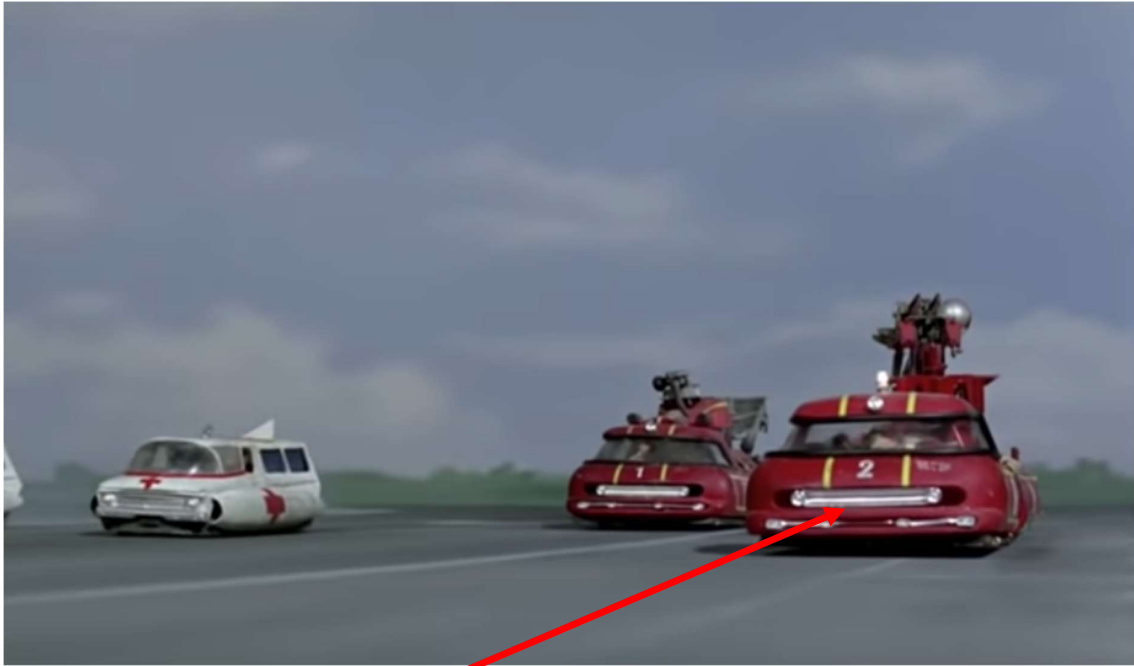
TX 204



Engines Aurora B-58 Hustler

Decals from Lindberg F100





AMT Grilles and Bumpers



Matchbox M9 Double Freighter





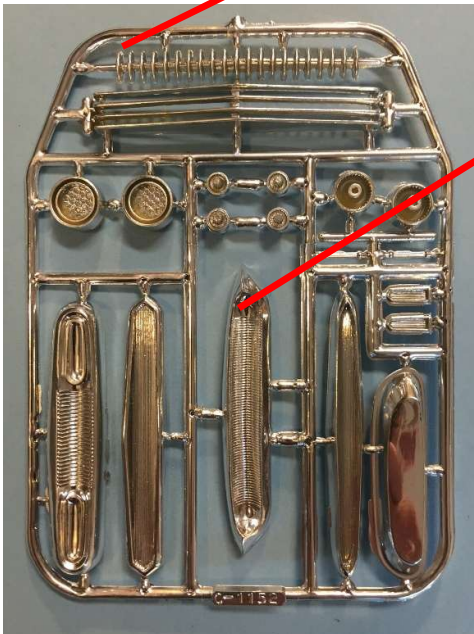
BOEING 727-200™

• Big 13 1/2" Wing Span • Detailed Landing Gear • Full Color Decals
 • Engraved Panel Lines • Clear Windshield • Box Top Artwork Suitable for Framing



Made in USA
 1 PLASTIC KIT / 1 KIT IN PLASTIQUE /
 1 KIT PLASTICO
 1:80 SCALE / ESCALA / ESCALA





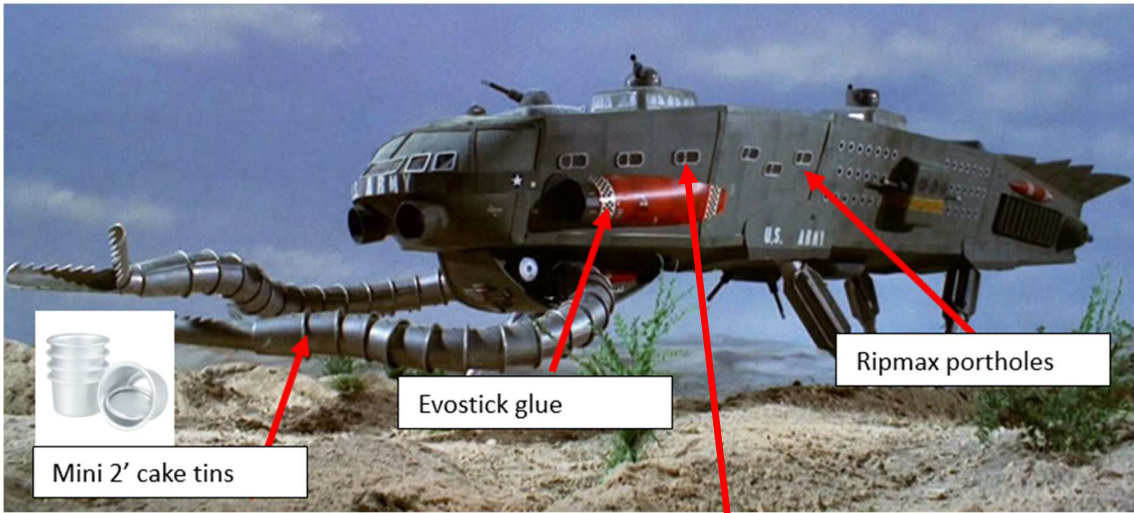
Revell Dream Car Bumpers and Grills



Credit Mike Imrie

S1E02 Pit of Peril

Sidewinder



Wheels Vickers Viggor





The helijet

was made from two 1/32 scale Kaman huskie kits, by Hawk and Testors.
 It used the engines and wings from the Aurora B-58 Hustler (kit number 375-250).
 It also used the engine cowlings and parts of the tail from the 1/72 Airfix B-24 Liberator.

The army helicopter

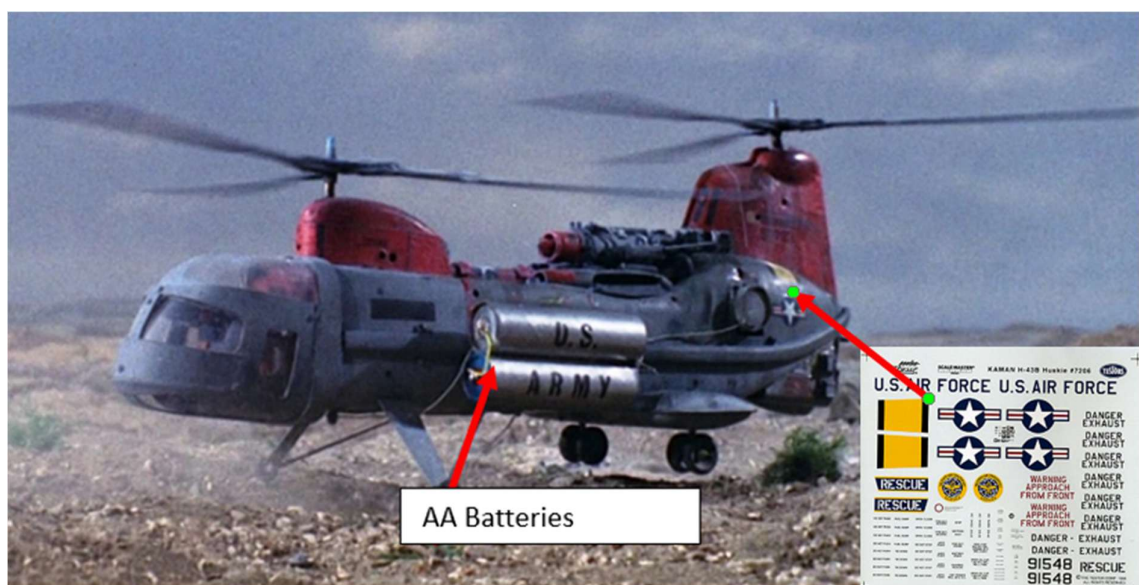
was made from a Marx Whirling Blade Helicopter tin toy. There are at least three different colour schemes for this toy. There are airfix girder bridge parts on this, and I think the engine cowling from the Airfix liberator kit.

The air ambulance is made from a Sikorsky S61 tin toy by Yonezawa. The engines at the rear are from the Aurora B-58 kit 375-250.

<http://www.tobor2.com/helijet/rhelijet.htm>

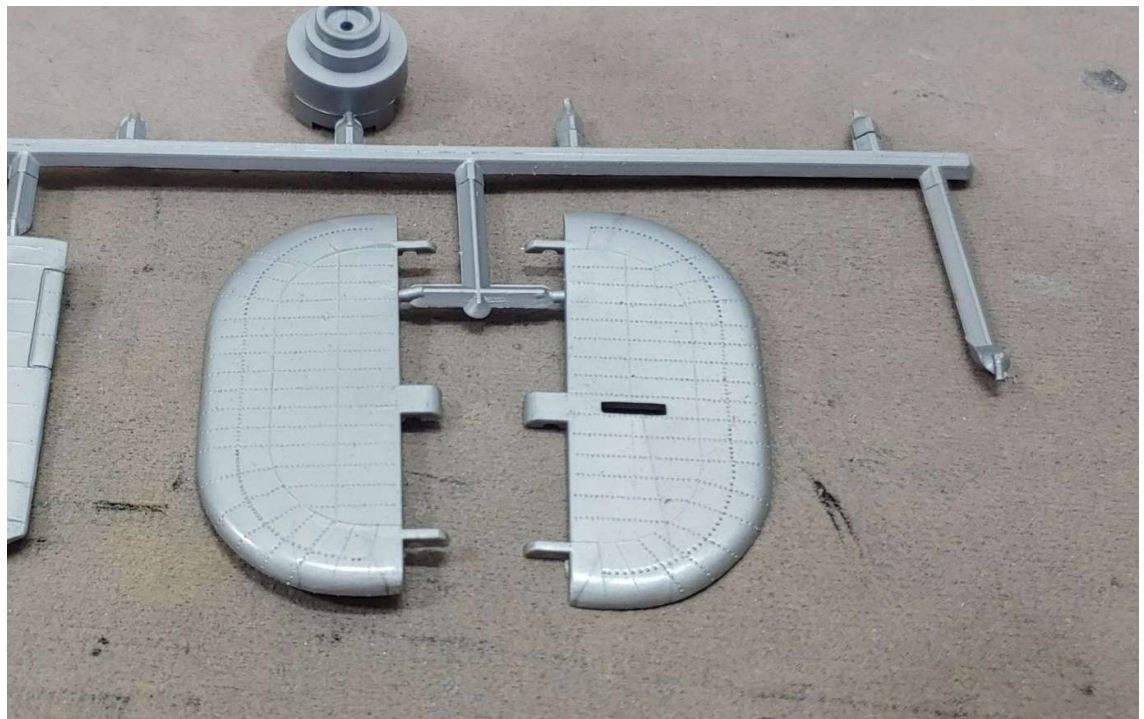
(Credit James Murphy)





Decals-Hawk Kaman Husky







Charges, Ripmax portholes

S1E03 The Perils of Penelope

Monobreak

Wheels Marx Climbing tractor



S1E04 Terror in New York City

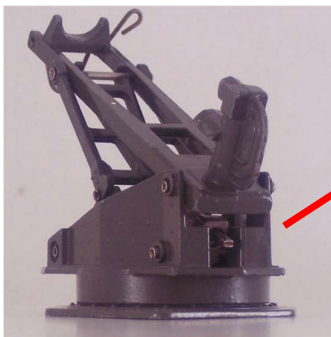
USN Sentinel



Talon Tek

Reversed feet Airfix girder bridge

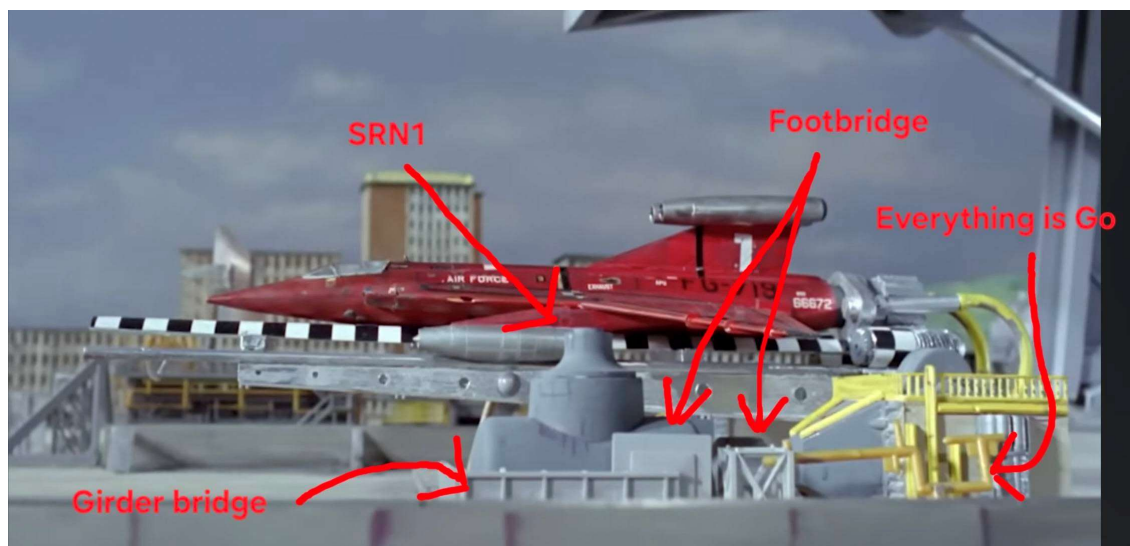
Airfix Foothbridge



Corgi Diecast Bloodhound missile base.

S01E05 Edge of Impact

Red Arrows



Swedish Jet Dragon Saab, Lindberg 570-98

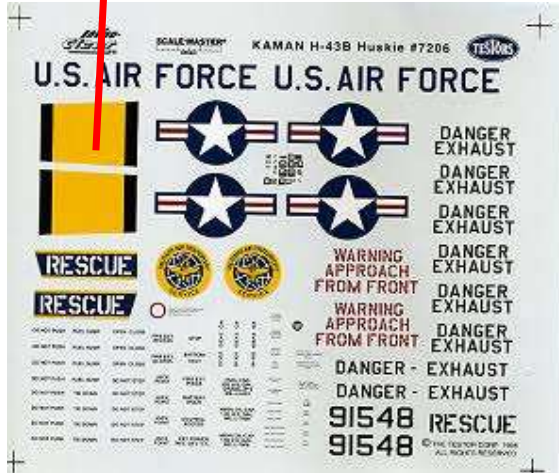


Enemy fighter F 104

Other parts Lidberg B58



Yellow and black decal from the HAWK HH-43 Kaman Husky kit. The blue stars on the tail from some USAF Thunderbirds flight demonstration team aircraft kit.



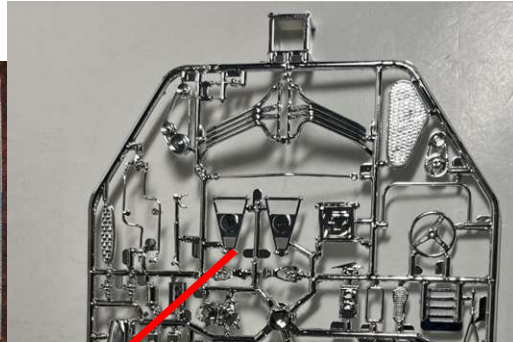
S01E06 Day of Disaster

MSP (Rocket)

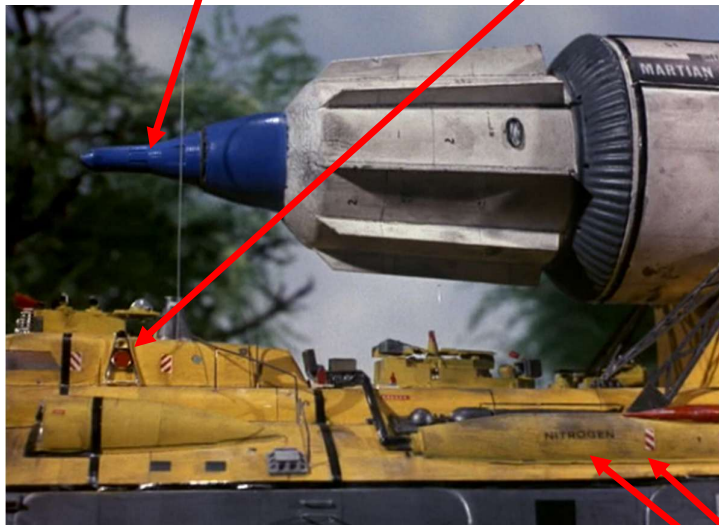
3ft 4inches MSP and carrier



Revell Gemini



Revell Beatnik Bandit

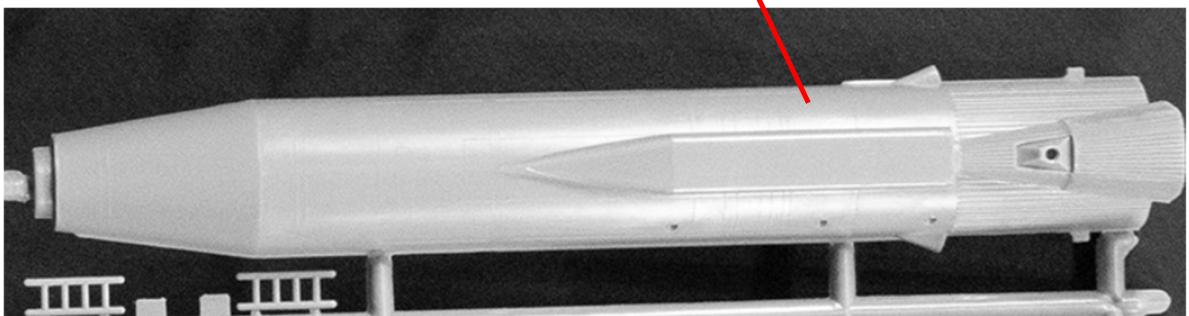


Revell Everything Is Go

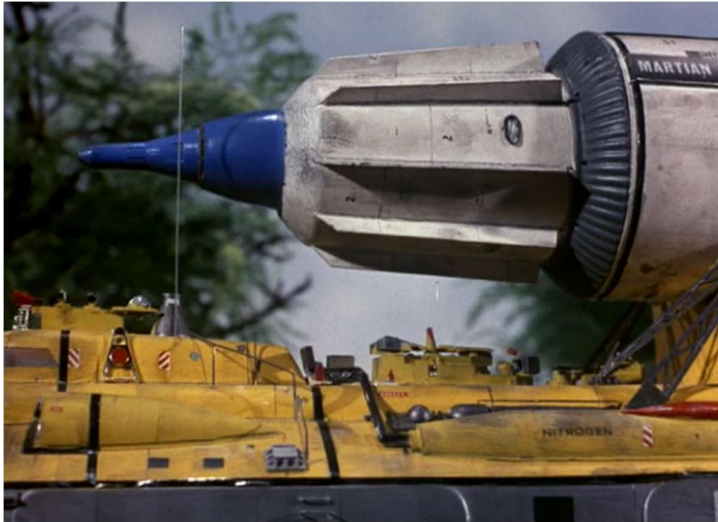




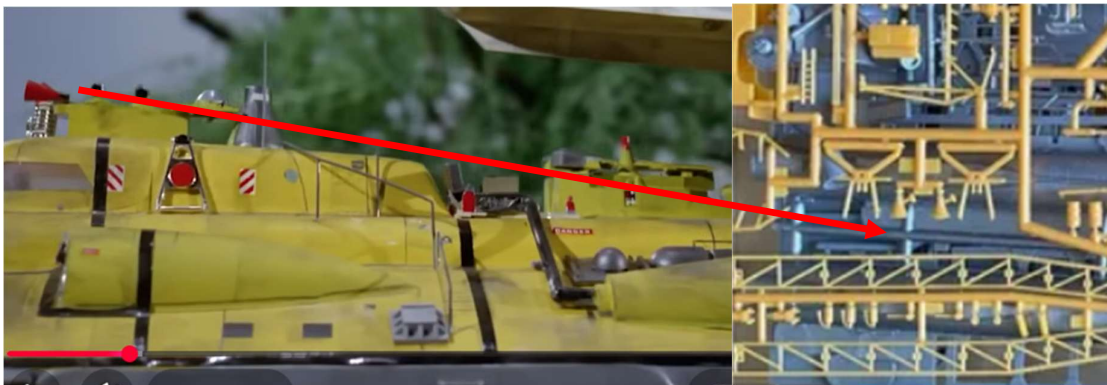
Wheels Ripmax aircraft wheels



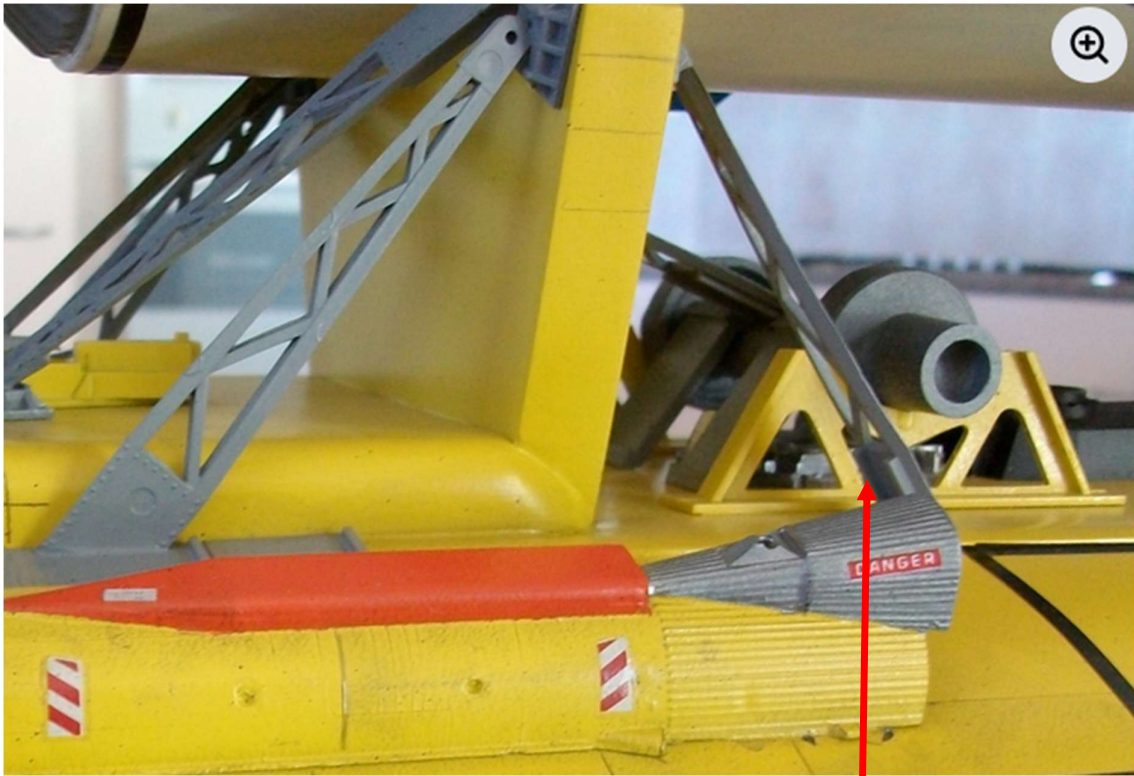
Revell Everything is Go



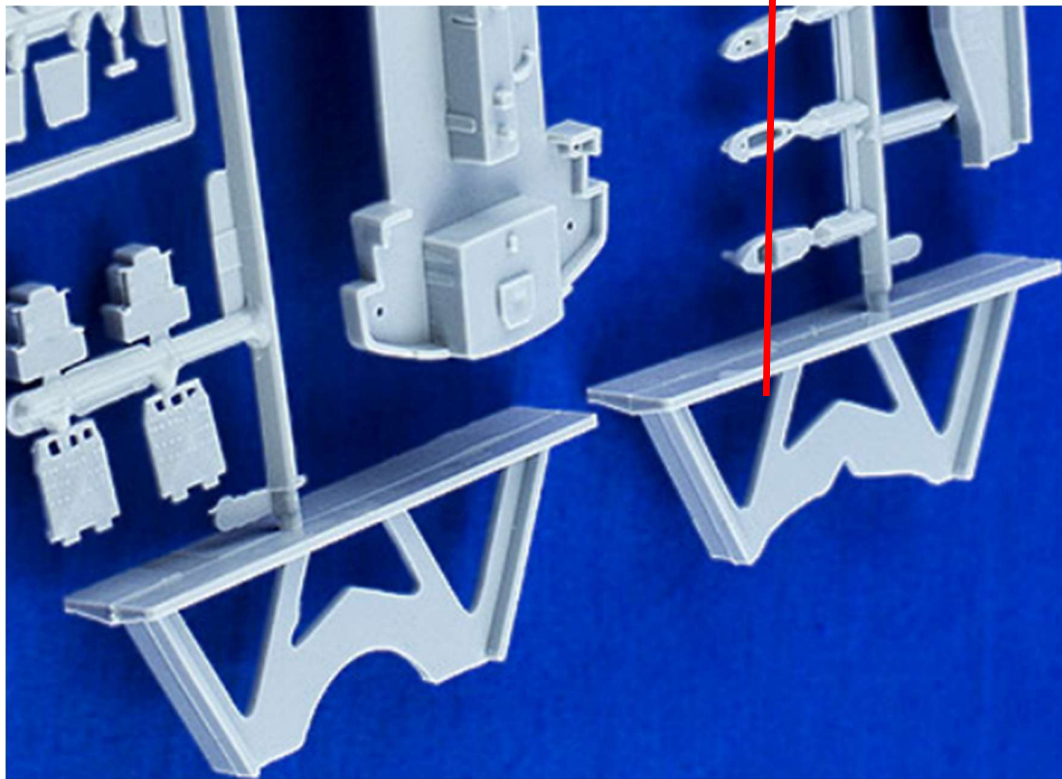
Bracing at the back Airfix Travelling Crane



Horns, Everything is Go, part 126? Or Matchbox Double Freighter?



Airfix HMS Fearless

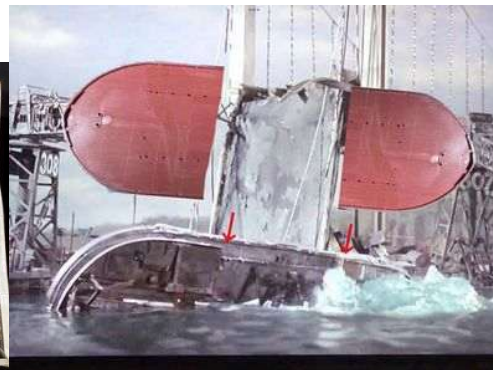
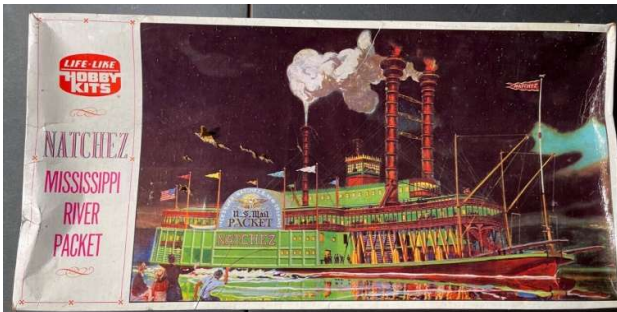




Airfix Signal Gantry

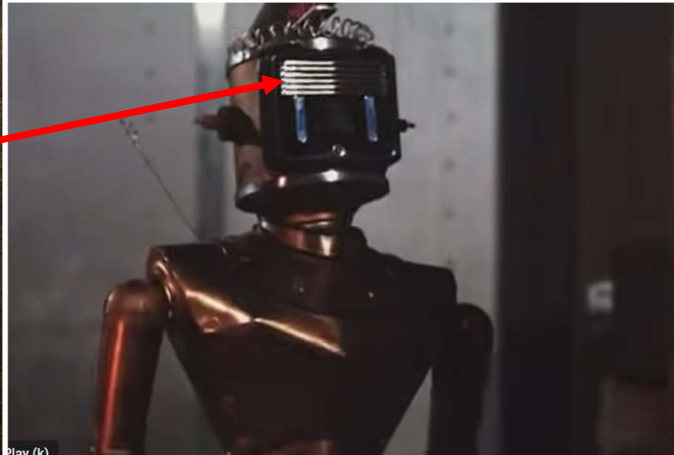
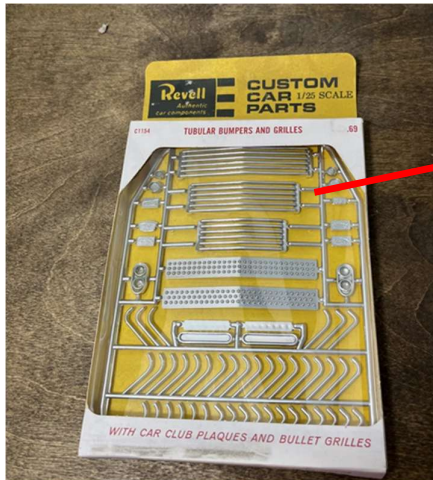
Airfix Footbridge steps





S01E07 30 Minutes After Noon

Robots



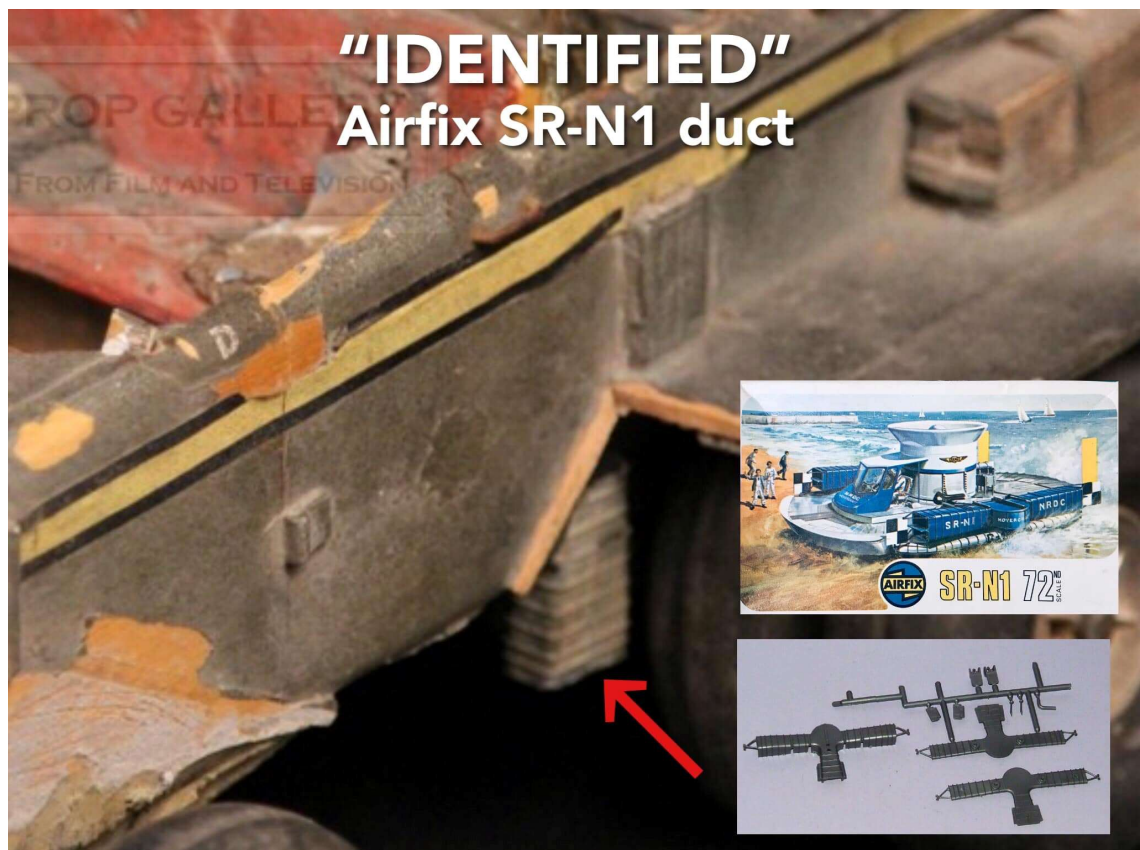
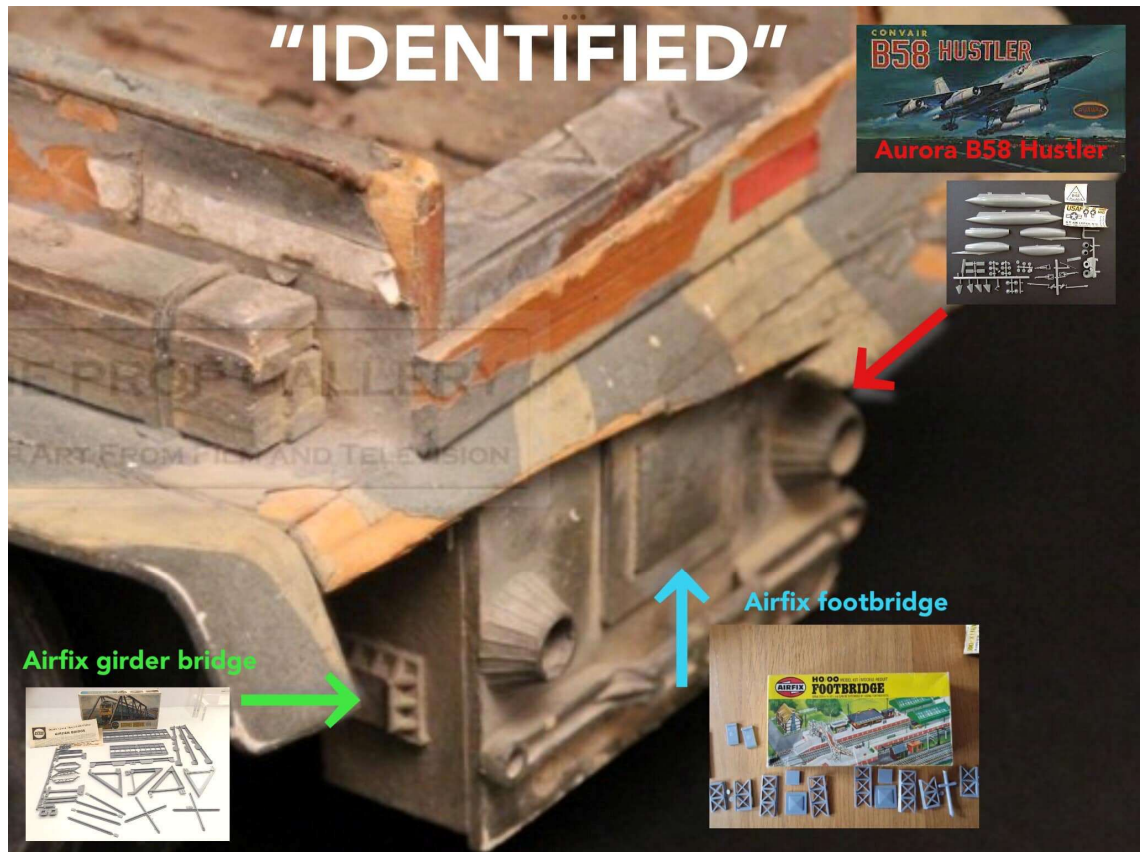
Tubular Bumpers and Grilles

Laser Cutter



S01E08 Desperate Intruder

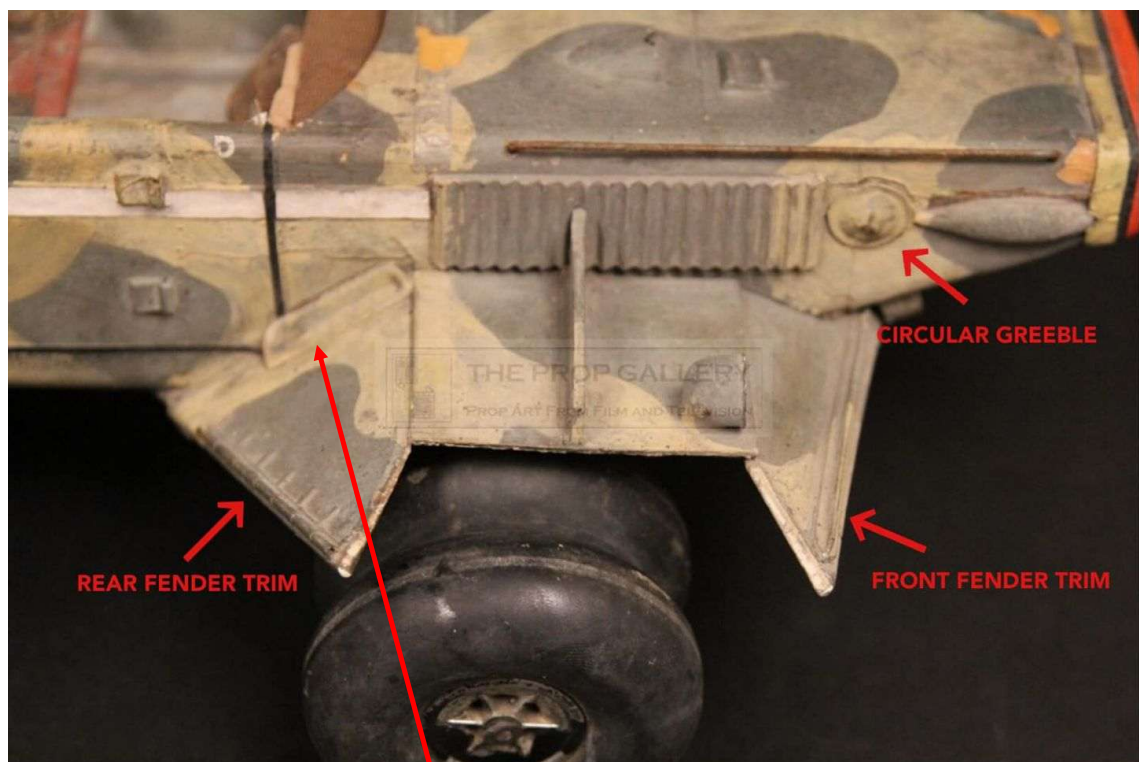
Hood's Truck,



Credit Phil Jones

Airfix Hovercraft Airfix SR-N1

Wheels/tracks Vickers Vigor crawler tractor



Faller HO Guttering



Front trim is Airfix girder bridge.
AMT Silhouette

AMT car kit



Hood's Submarine



Kiel Kraft 3.5" wheels, same as Elevator car

S01E09 End of the Road

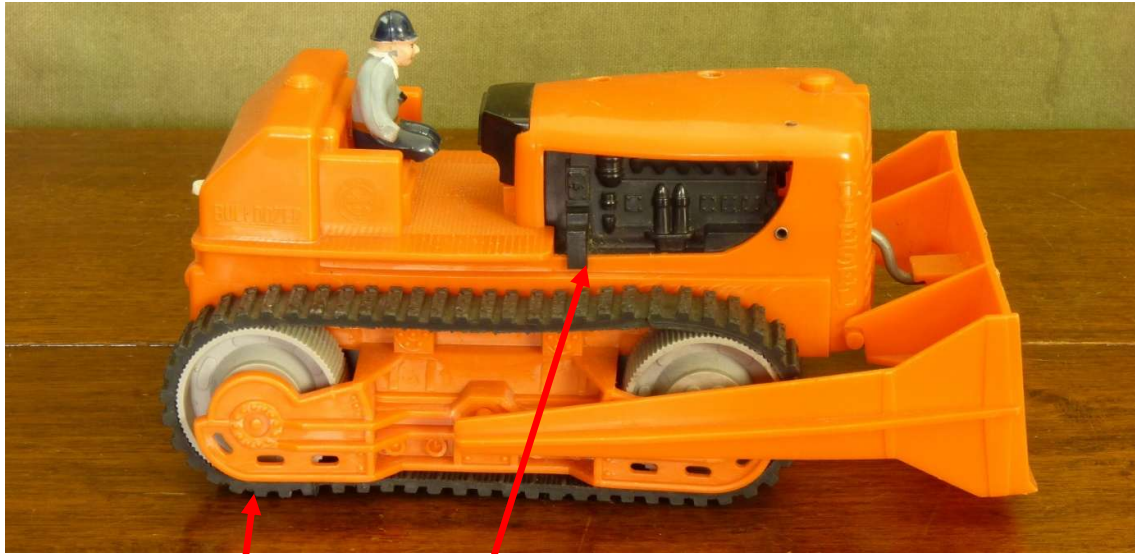
Road Maker

Wheels Tiger Joe Tank



Explosives Truck

Back Wheels/tracks Vickers Vigor crawler tractor





Front wheel assembly, Marx Baby Bulldozer

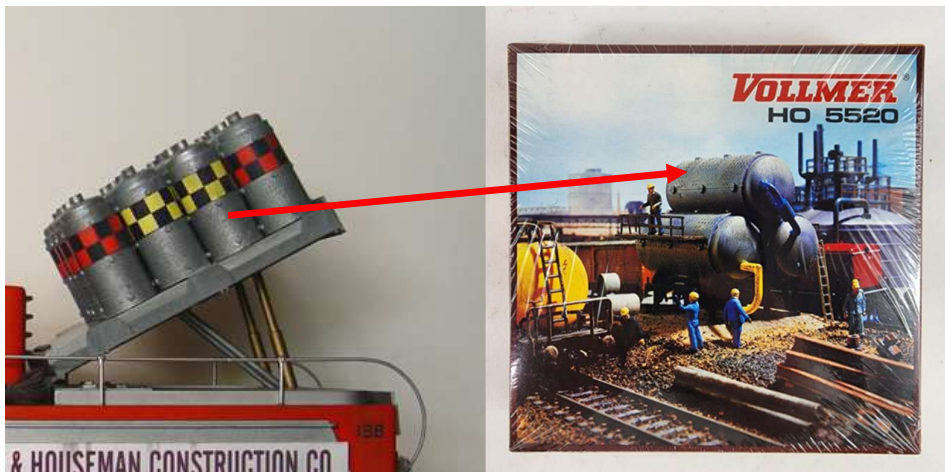


AMT 3 in 1 1962 HARDTOP

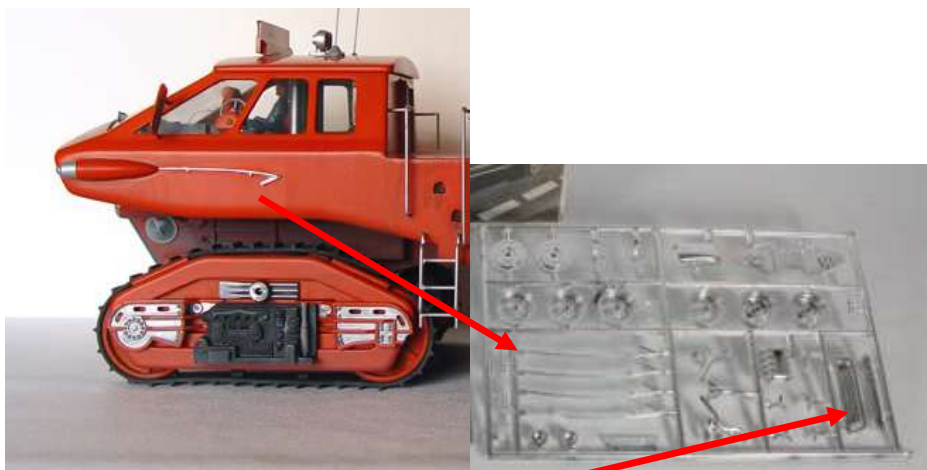




Tanks at the back, Vollmer - HO Scale #5520 Triple Storage Tank



AMT Silhouette



Used at the rare of the truck

Tape

(a third of an inch is 8.46mm).
These are available on ebay (1 inch wide).



S01E10 The Uninvited

Aircraft

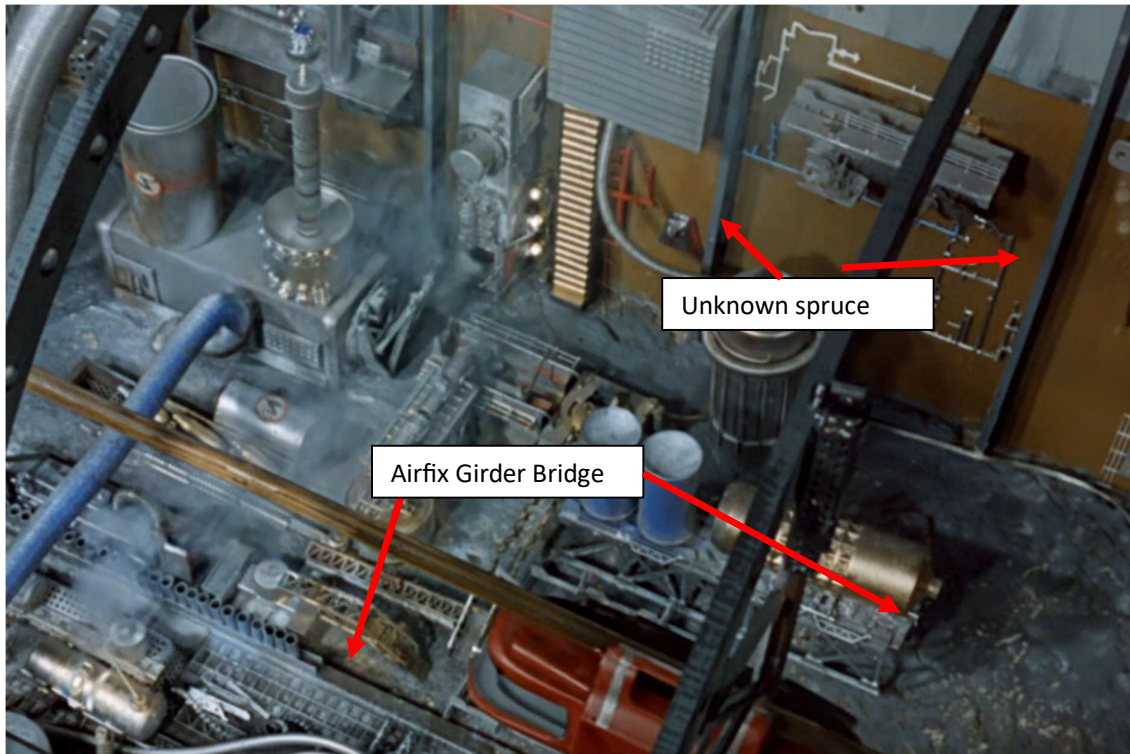


Monogram Piper Tri-Pacer kit

Truck

Wheels/tracks Vickers Vigor crawler tractor

Base

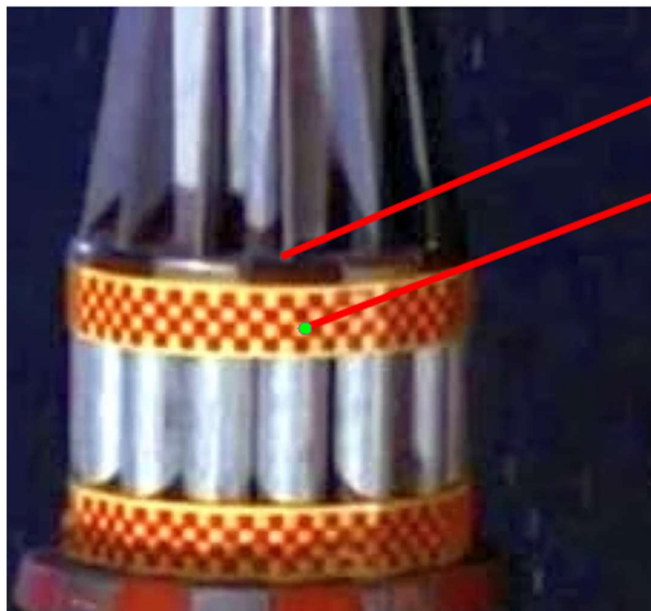
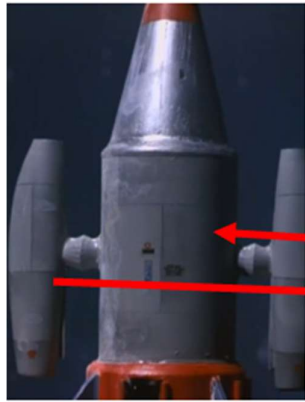


S01E11 Sun Probe

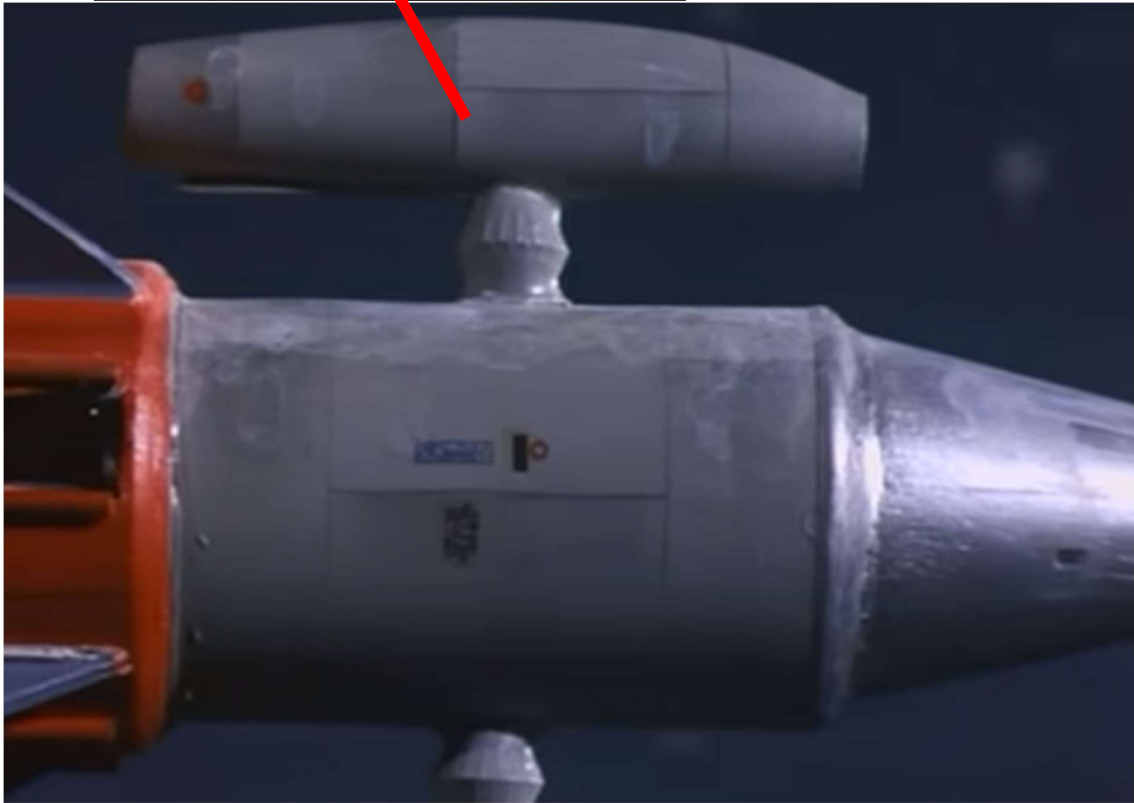
Sun Probe



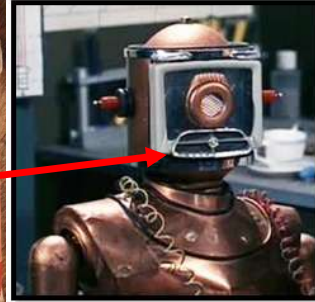
There were two filming miniatures with subtle differences.



Aurora B58 Hussler



Braman



Transmitter Truck

Front wheel assembly, Marx Baby Bulldozer

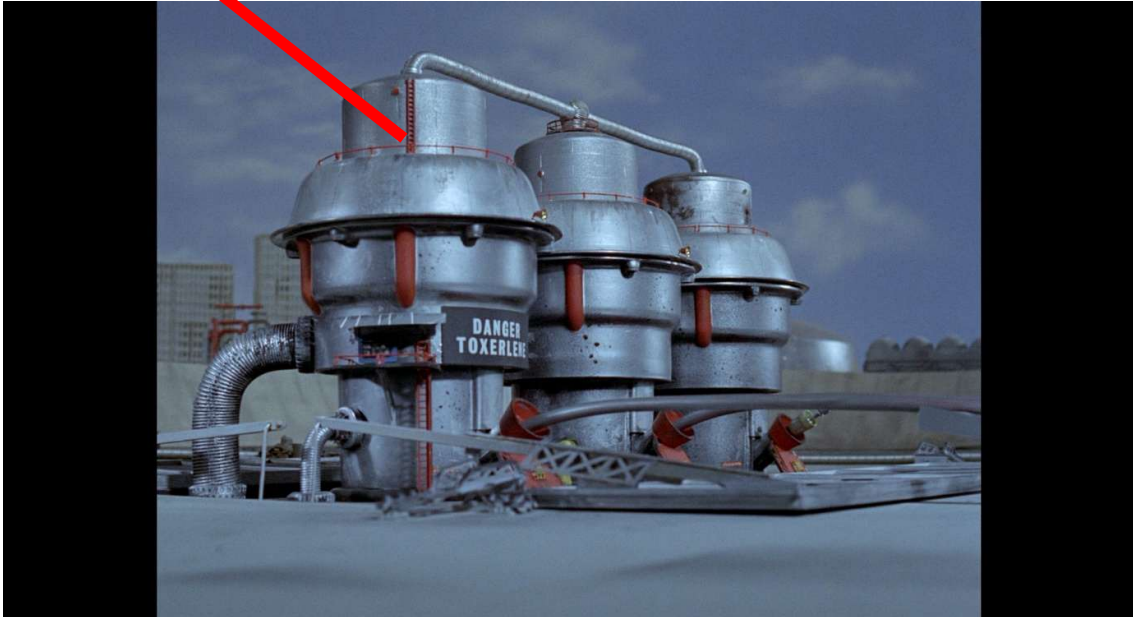
Back Wheels/tracks Vickers Vigor crawler tractor



Airfix Hovercraft T section



Metal tubes, Gerry Anderson cigar cases!

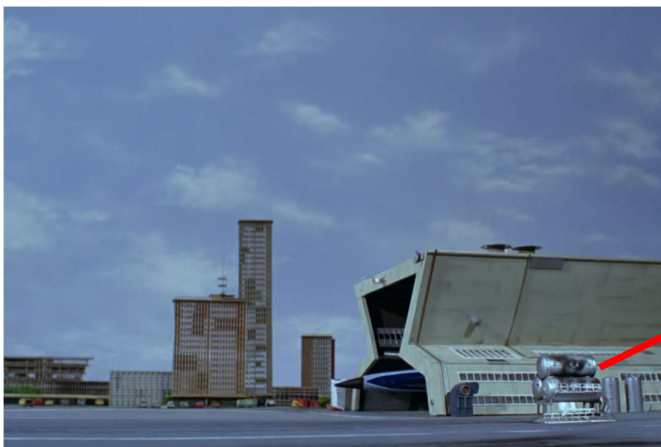


S01E12 Operation Crash-Dive

Fireflash



Vosper Triple Screw Yacht



S01E13 Vault of Death



Wedgewood Miniature Beer Stein in grey

S01E14 The Mighty Atom



Constellation Hoover

HSI Aqua Car



HSI Amphibious car 3317



Britains Model Racing Cyclists

S01E15 City of Fire

Fire truck

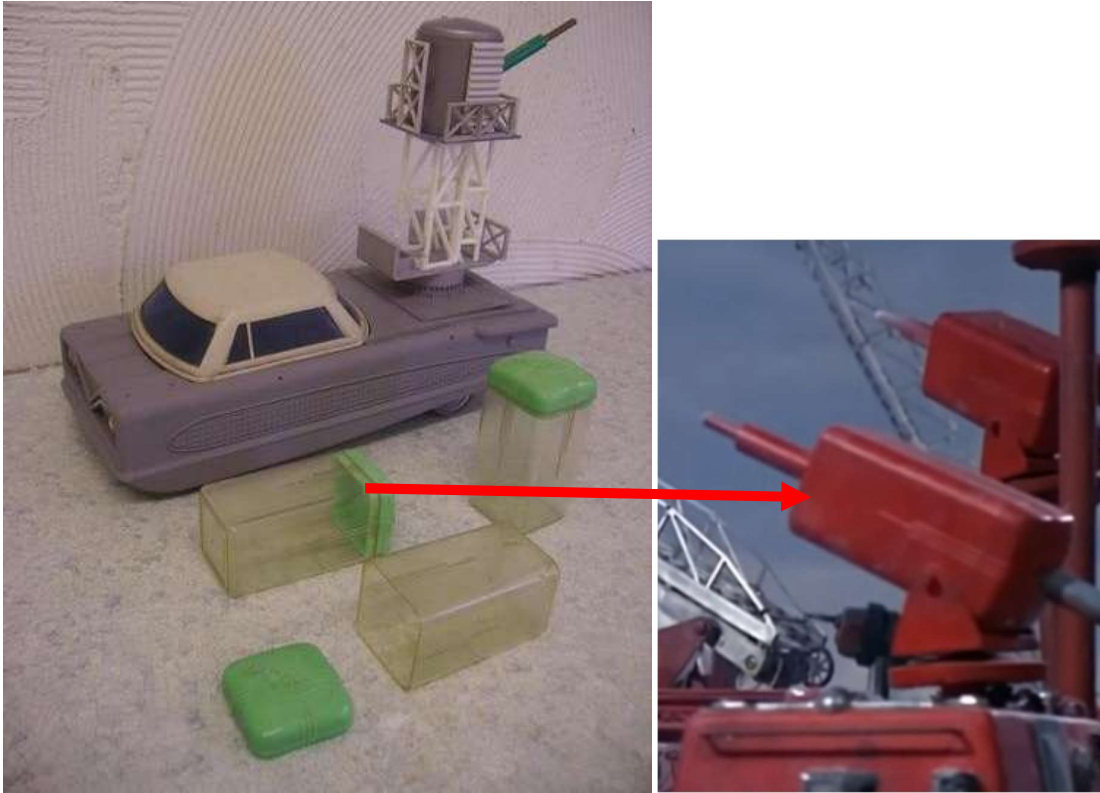


Vickers Viggor tractor suspension



Ladder Lapkin Pippin Fire truck





Stewart Plastics England Spice Jars

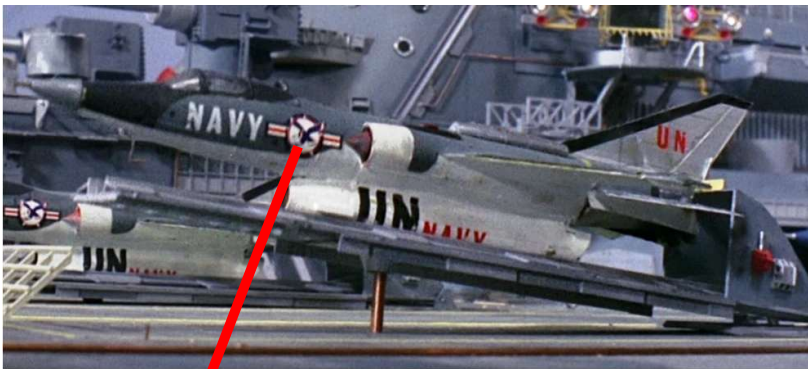




S01E16 The Imposters

Navy jet

F-104 Starfighter kit that uses B-58 Hustler vertical stabilizers for wings.



B58 Husler, decal



S01E17 The Man from M.I.5

FAB2



Produced by Blow Plastics or Popular Plastics.

Airfix SRN1 Engines



S01E18 Cry Wolf

S01E19 Danger at Ocean Deep

Ocean Pioneer There were two models



One of the originals still exists

S01E20 Move - And You're Dead

This truck was produced by Qualidux Industries Company, Ltd



Vintage Sears OK Toys Plastic "Custom Cargo Cruiser"



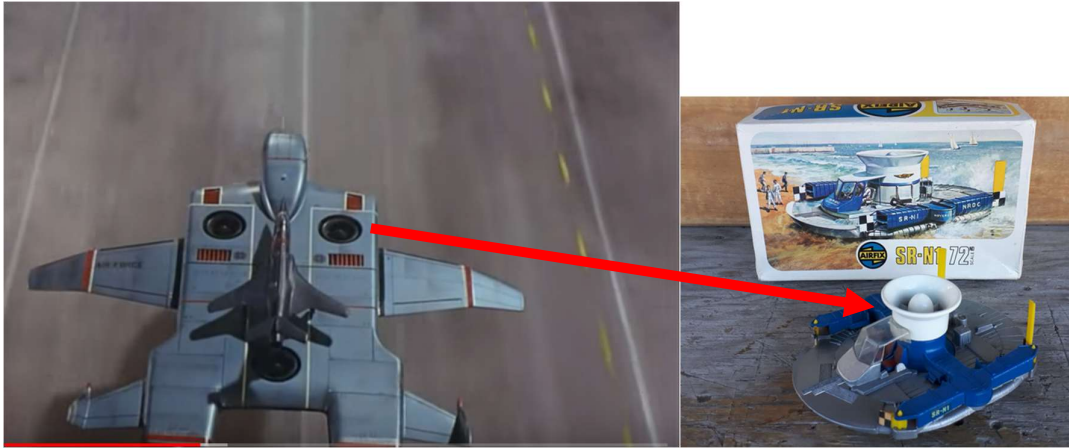
S01E21 The Duchess Assignment

Roulette Wheel

Merit Deluxe Monte Carlo Roulette



Reused in Captain Scarlet Special Assignment

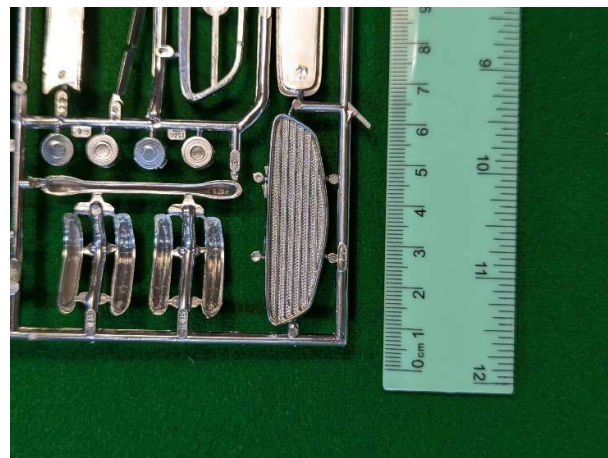


Airfix Hovercraft SRN1

DOMO

Wheels/tracks Vickers Vigor crawler tractor

Back grill, AMT Grills and Bumpers



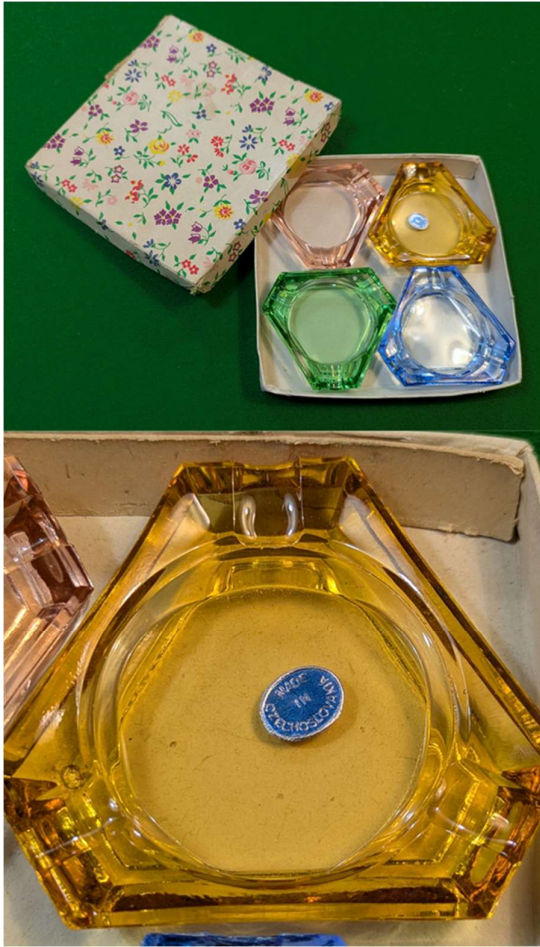
S01E22 Brink of Disaster

Monorail

S01E23 Attack of the Alligators



Sight from, Mattel Agent Zero Spy Toy Night Fighter Tommy Burst Cap Gun.



German miniature tea set, unknown maker

The brown ashtray is a Bohemian Glass ashtray

S01E24 Martian Invasion

Excavator

Wheels/tracks Vickers Vigor crawler tractor

Airfix Hovercraft SRN1 T section



AMT Bumpers and Grills

Escape plane



Mycro IIIA subminiature camera, similar to the picture above, the top and case are right the lens is different.

S01E25 The Cham-Cham

USAF jets

S01E26 Security Hazard

(Please include only objects not used in the flashbacks.)