

AXM International Space Station 1:100 scale combo kit #2

Contents:

HARMONY Node 2

KIBO Lab and Robotic Arm

S0 Connectors (extra parts for S1 and P1 trusses)

External Stowage Platform -2

PMA-3 and PMA-2 covers

ORU Crane

STRELA Arms

ISS Antennas

Payloads from HTV-1, HTV-2 and HTV-3

RRM, SGANT, EOTP, SFA

Grapple Bars, UTA, MBSU, STP-H4



Print on Cardstock (110 lbs)

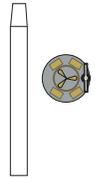


"HARMONY" Node 2

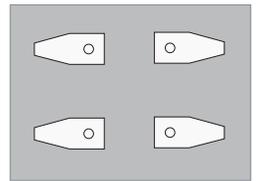


1:100 Scale

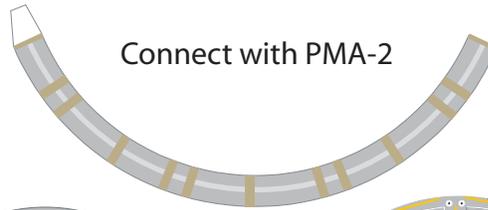
Glue Power & Data
Grapple Fixture



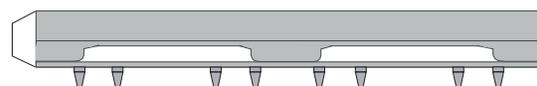
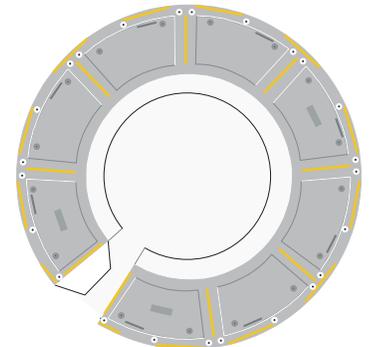
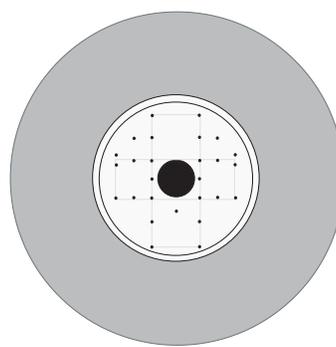
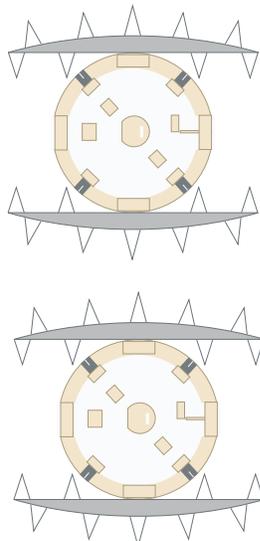
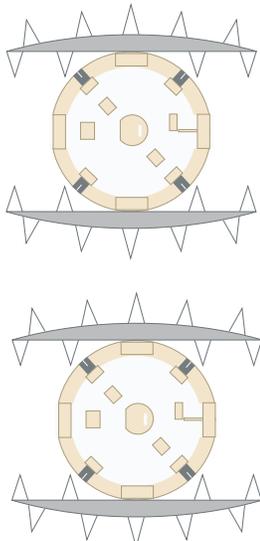
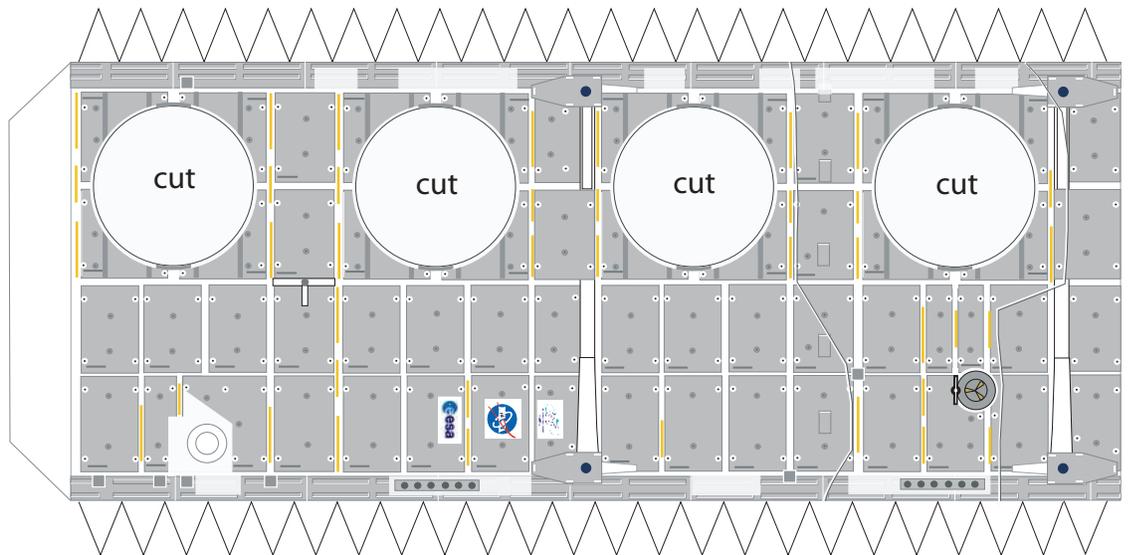
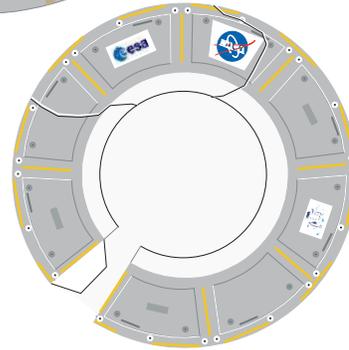
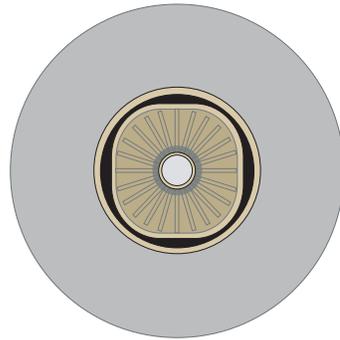
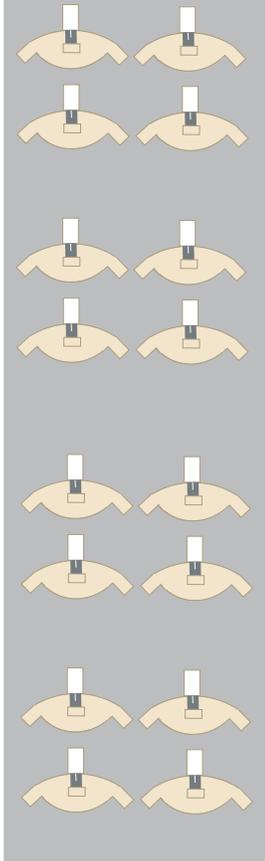
Glue trunnion
pin covers



Connect with PMA-2



Glue petals on
each port



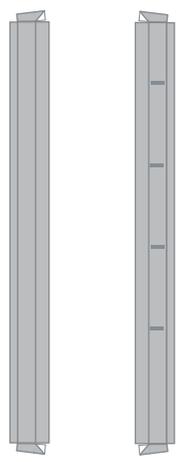
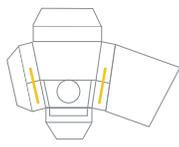
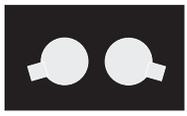
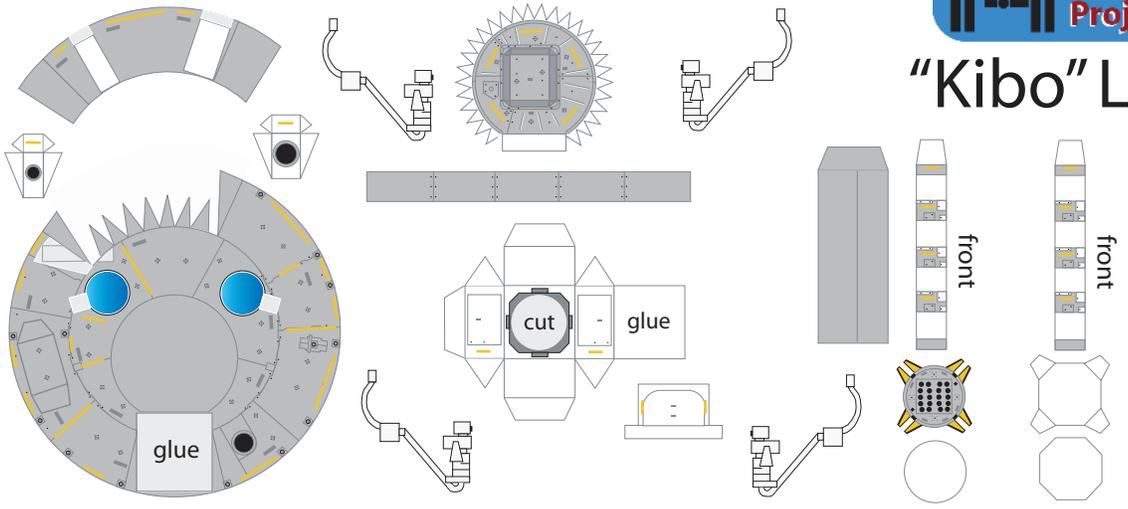


Print on Cardstock (110 lbs)

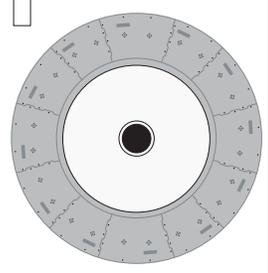
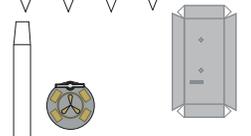
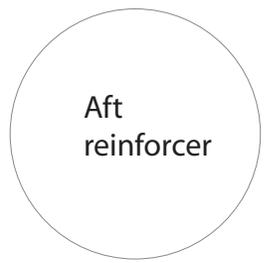
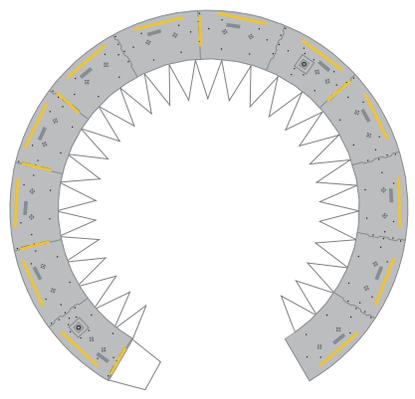
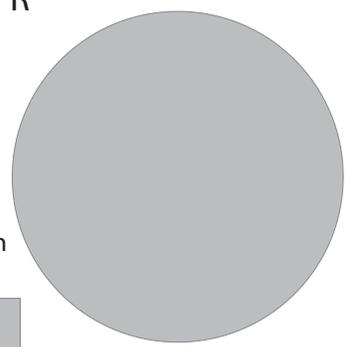
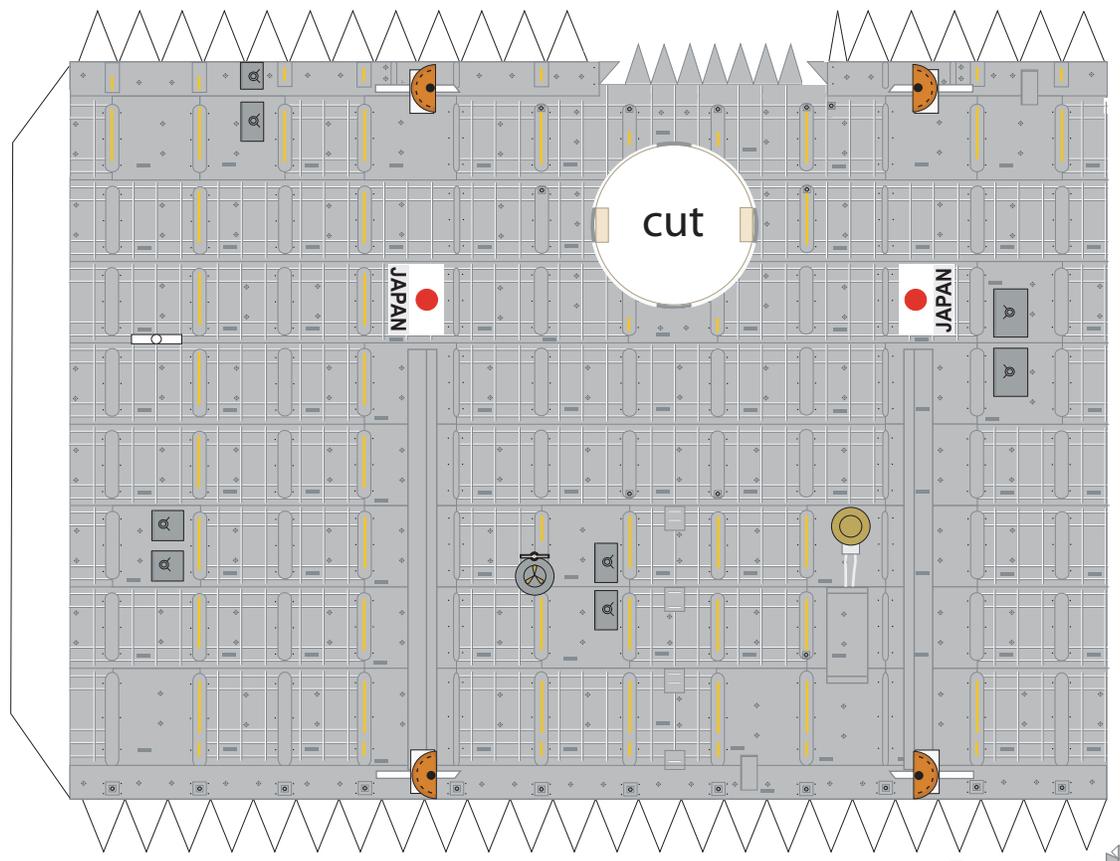


"Kibo" Lab

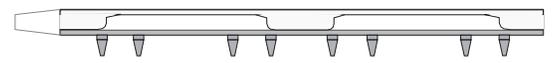
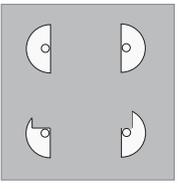
1:100 Scale



L R



Glue trunion pin covers





Print on Cardstock (90 lbs)

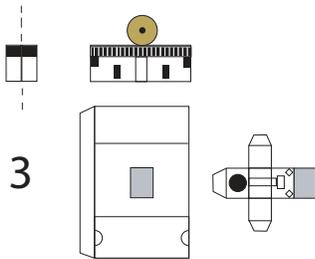
"Kibo" Remote Manipulator System



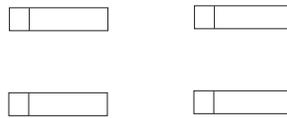
1:100 Scale



End Effector



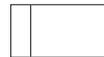
Joint Rings



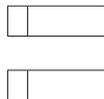
Stoppers



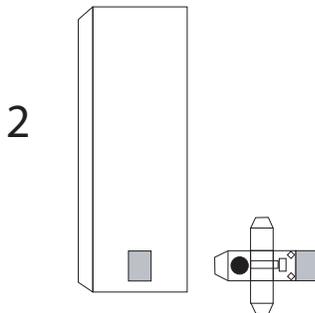
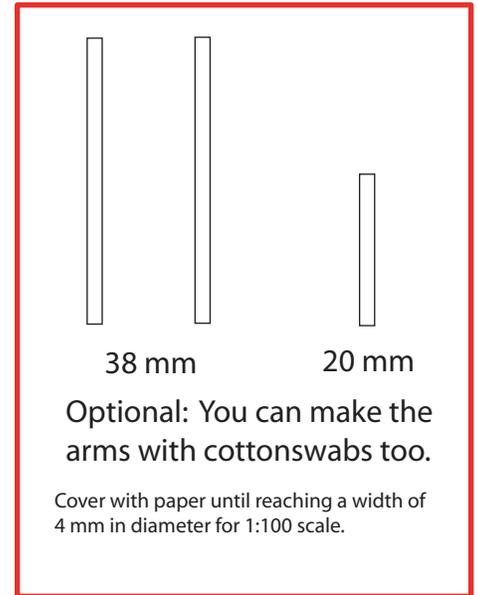
Top cylinder



Cylinders for joint between part 2 and part 3 of main arm



Use cotton swab with these dimensions (2mm in diameter)



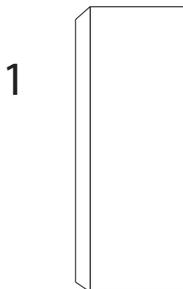
Top cylinder



Side (top)



Cylinder that holds Arm part 3



8 mm (joint between parts 1 and 2)



9 mm Last joint



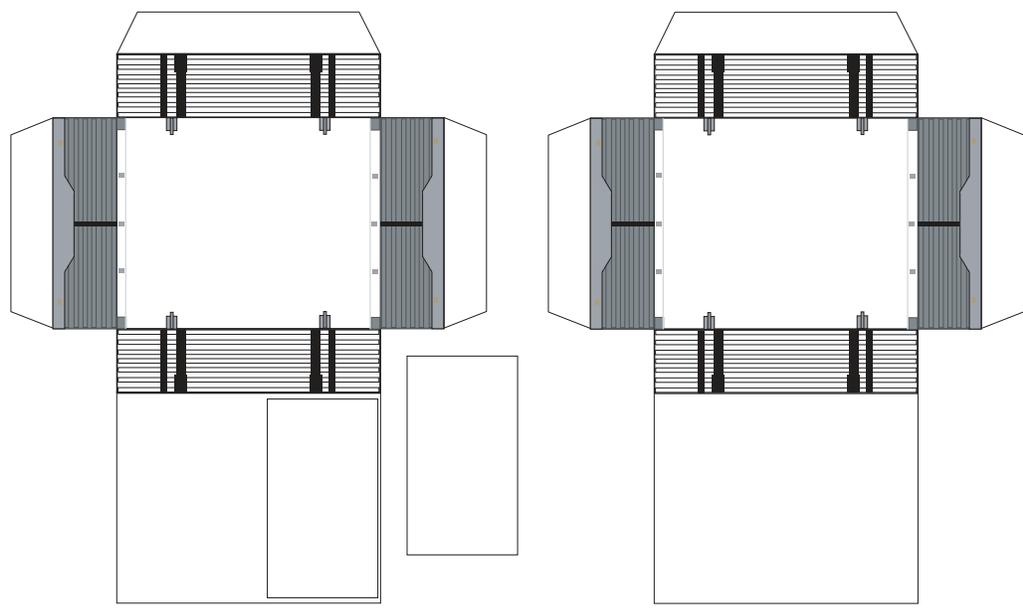
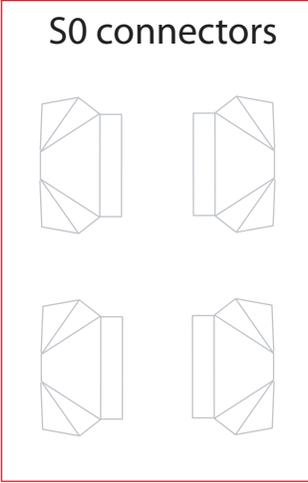
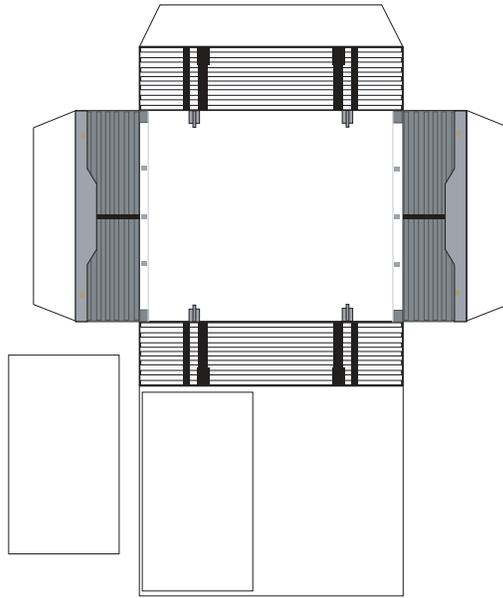
1:100 Scale

Sheet 2



Print on Cardstock (90 lbs)

Shared parts for S1 and P1 trusses (including the S0 Connectors)



Optional parts

These folded radiators are not to be glued to the S1 or P1 trusses. These are optional parts in case there is a repair in the real ISS and any of the radiators need to be stowed.



Print on Cardstock (90 lbs) External Stowage Platform-2

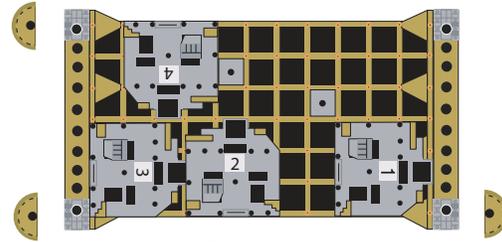
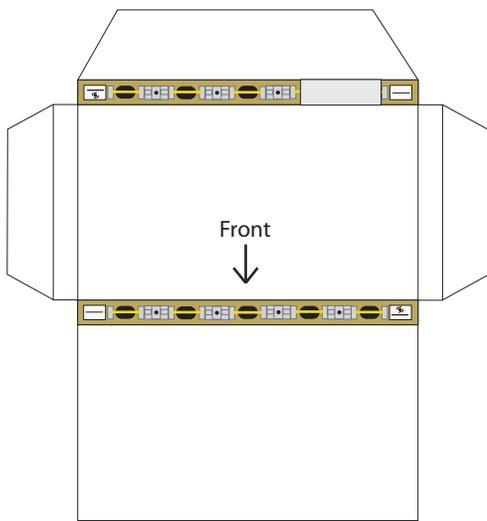
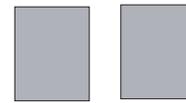
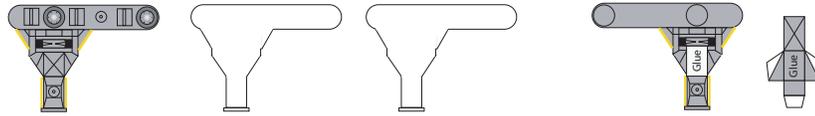
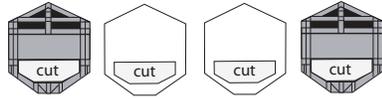


Configuration post STS-135

1:100 Scale

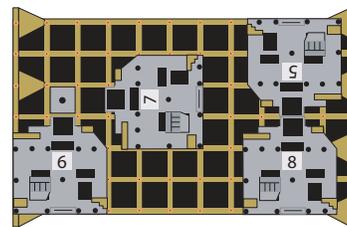


ESPAD



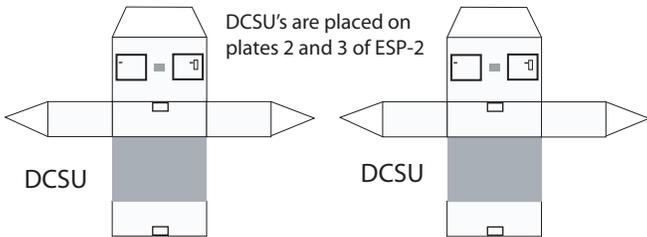
Top

Forward

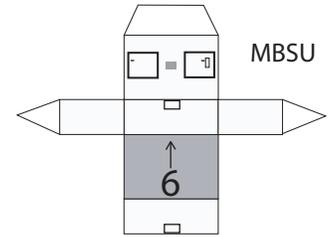
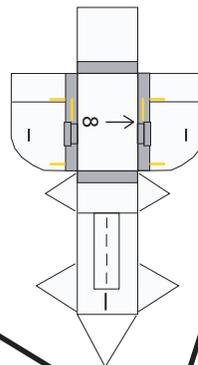


Bottom

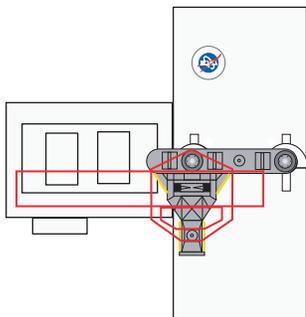
Forward



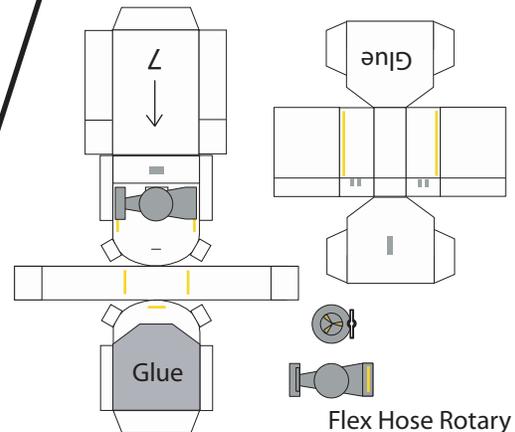
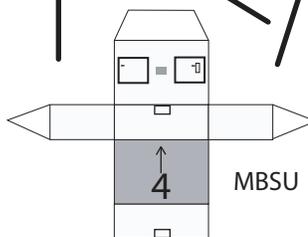
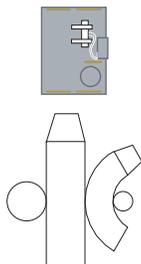
Utility Transfer Assembly (UTA)



Diagram



Yaw Joint is placed on plate 5 of ESPAD



Flex Hose Rotary Coupler



Print on Cardstock (110 lbs)

PMA-3 and Cover



1:100 Scale

PMA-3

SASA
2nd antenna from STS-98 (spare part on Z1)

Cover for PMA-3

Cover for PMA-2

Step 2 → Step 1

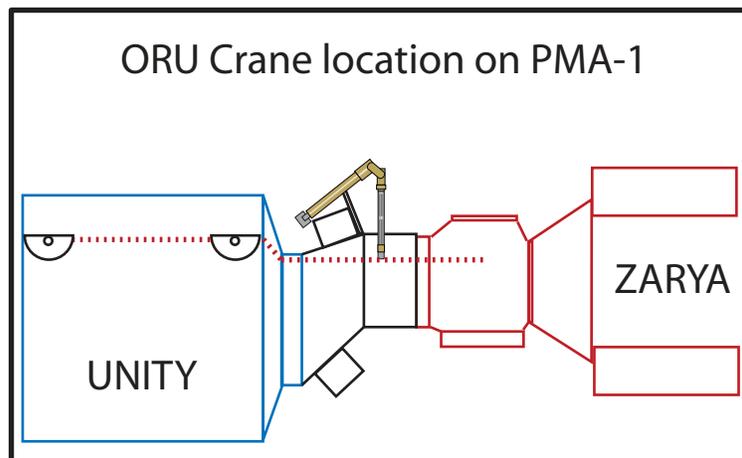
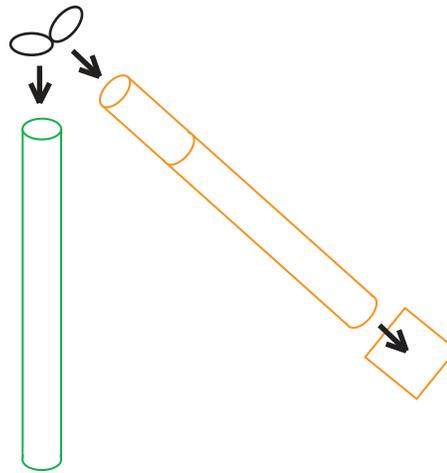
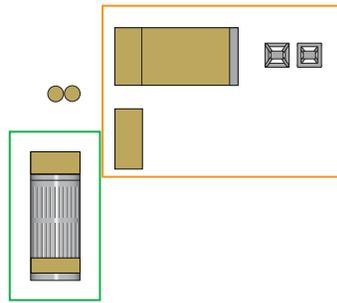


Print on Cardstock (90 lbs)



ORU CRANE

1:100 Scale



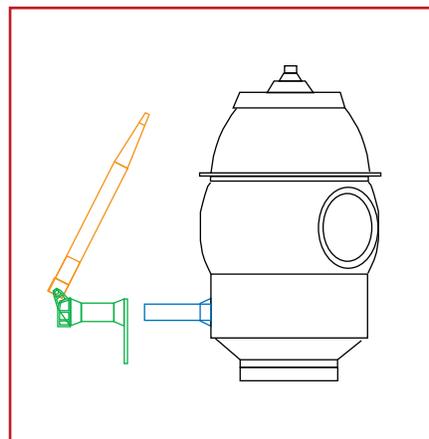
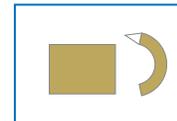
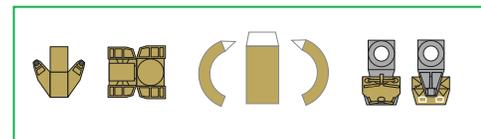
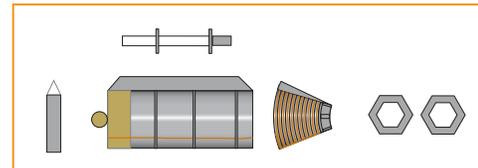
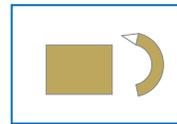
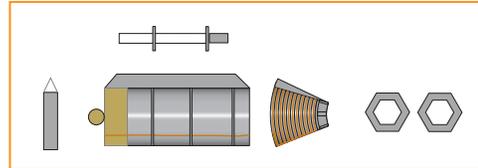


Print on Cardstock (90 lbs)



STRELA ARMS

1:100 Scale





Print on Cardstock (90 lbs)

ISS Antennas



1:100 Scale

WETA S3 truss

SASA S1 truss

SASA P1 truss

UHF Antenna for P1 truss

ETVCG S1 truss

WETA Unity

External lights Unity

FPMU P1 truss

WETA P1 truss

External lights S1 truss

UHF Antenna for Destiny

ETVCG Destiny

ETVCG P1 truss

ETVCG P1 truss



Print on Cardstock (90 lbs)



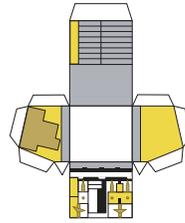
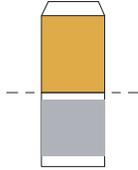
Payloads from HTV-1, HTV-2 and HTV-3

1:100 Scale

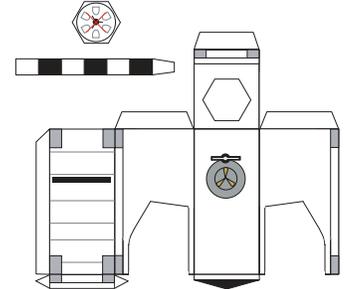


(HTV-1)

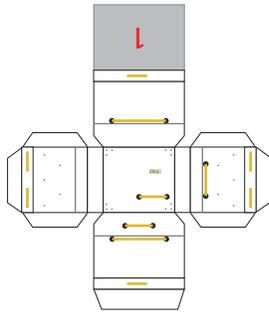
HREP
To JEM-EF



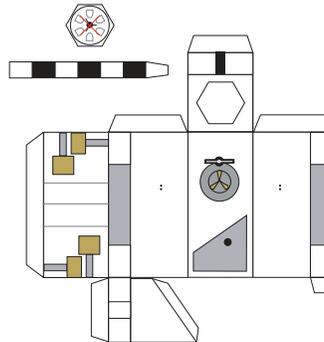
Roll into a tube
and insert into JEM-EF



CTC-4



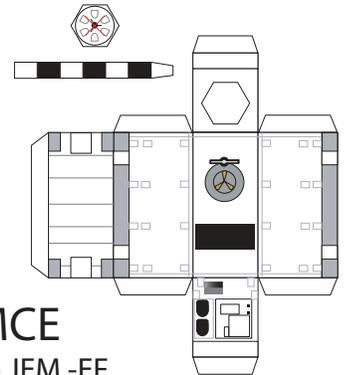
Roll into a tube
and insert into JEM-EF



SMILES
To JEM-EF

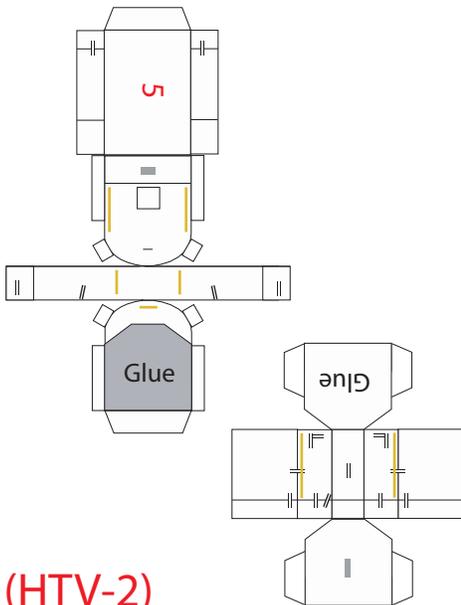


Roll into a tube
and insert into JEM-EF



MCE
To JEM-EF

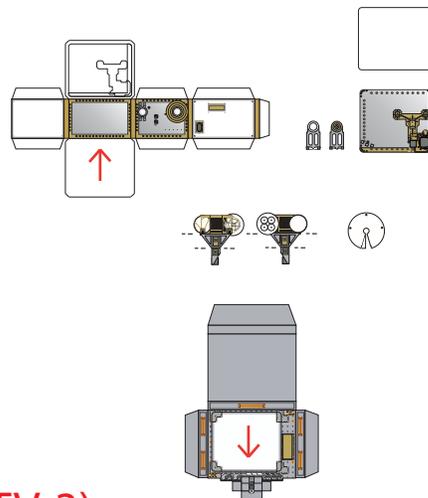
Flex Hose Rotary Coupler (FHRC)



(HTV-2)

To ELC-4

SCAN Testbed
To ELC-3



(HTV-3)



1 cm
1 inch

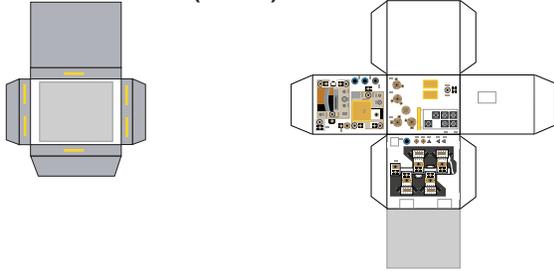
Print on Cardstock (90 lbs)



RRM, SGANT, EOTP and SFA

1:100 Scale

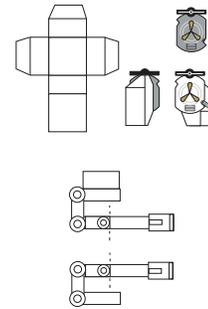
ROBOTIC REFUELING MISSION (RRM)



The RRM will be permanently attached to ELC-4 on plate 3

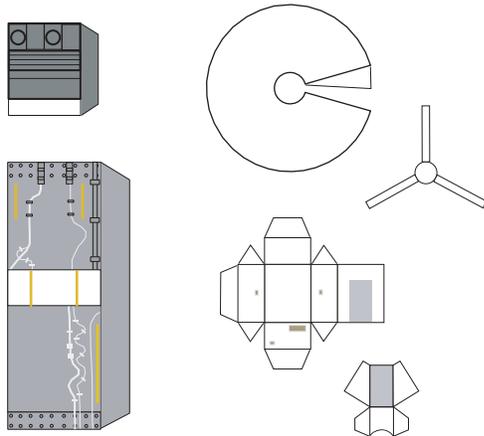
(STS-135)

SFA (Small Fine Arm)



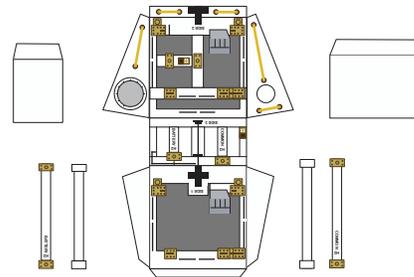
(STS-132)

SGANT Antenna

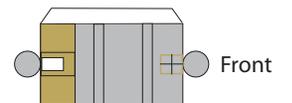


On top of Z1 next to first SGANT antenna

EOTP



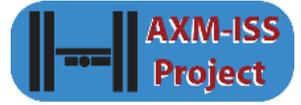
cut out gray areas



ORU Temporary Platform is glued on top of S0 truss



Print on Cardstock (90 lbs)



Grapple Bars, UTA, MBSU, STP-H4

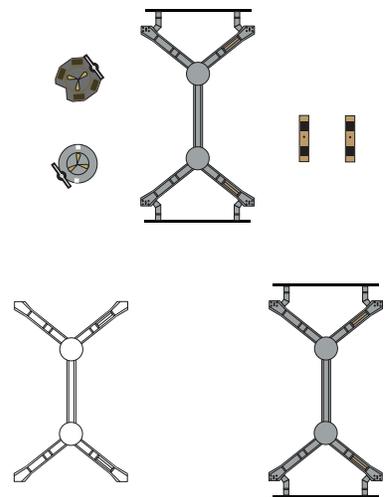
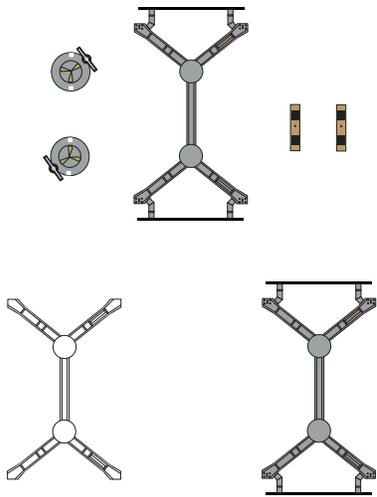
1:100 Scale

Heat Rejection Subsystem Grapple Fixtures

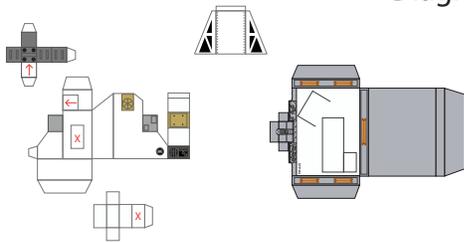
Dragon CRS-2

Grapple Bar 1 (To be placed on S1 truss)

Grapple Bar 2 (To be placed on P1 truss)

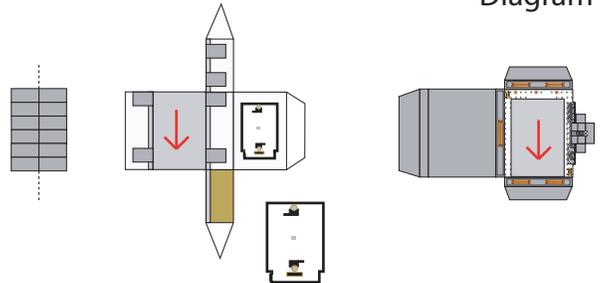
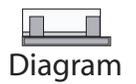


STP-H4



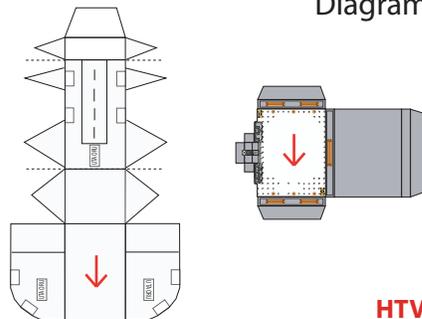
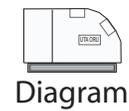
HTV-4

MBSU



HTV-4

Utility Transfer Assembly (UTA)



HTV-4



Use PAPER only
Use this part to patch the space where STP-H3 was glued (ELC-3)