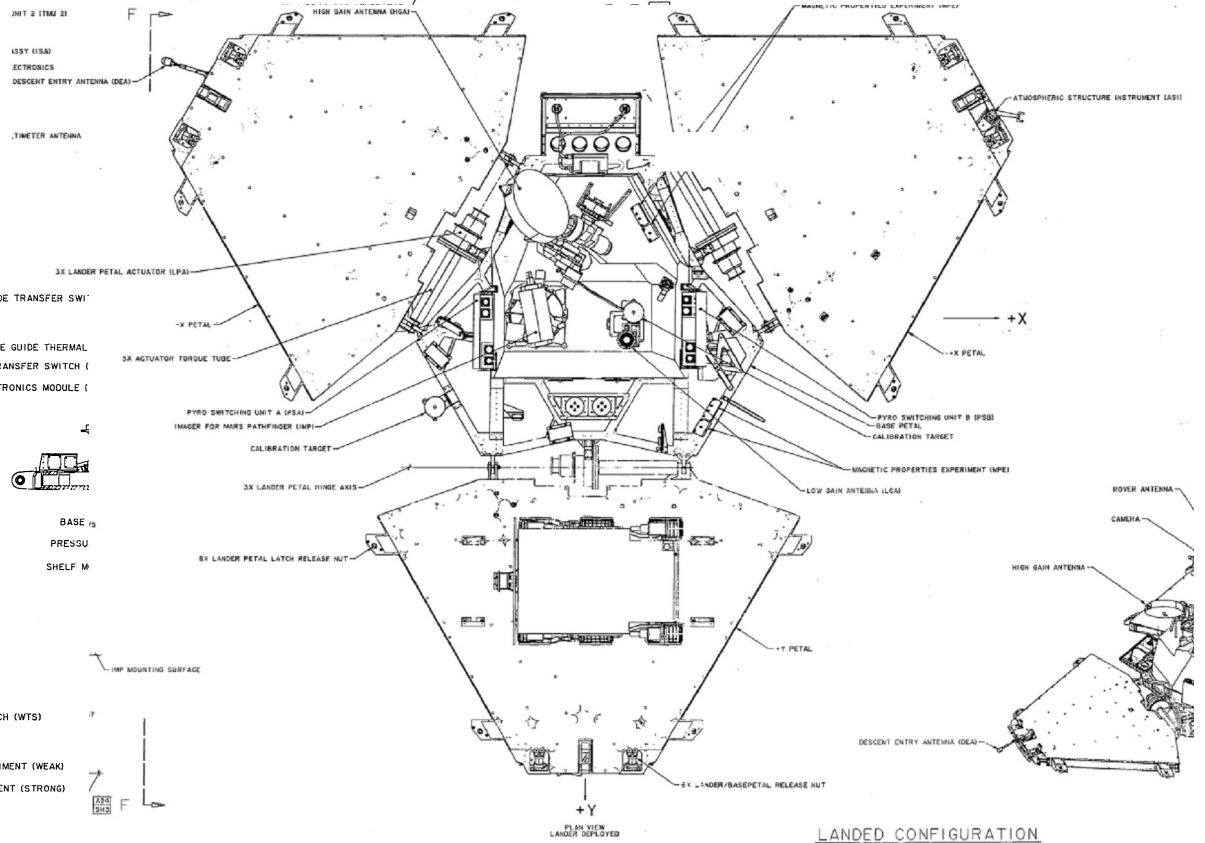
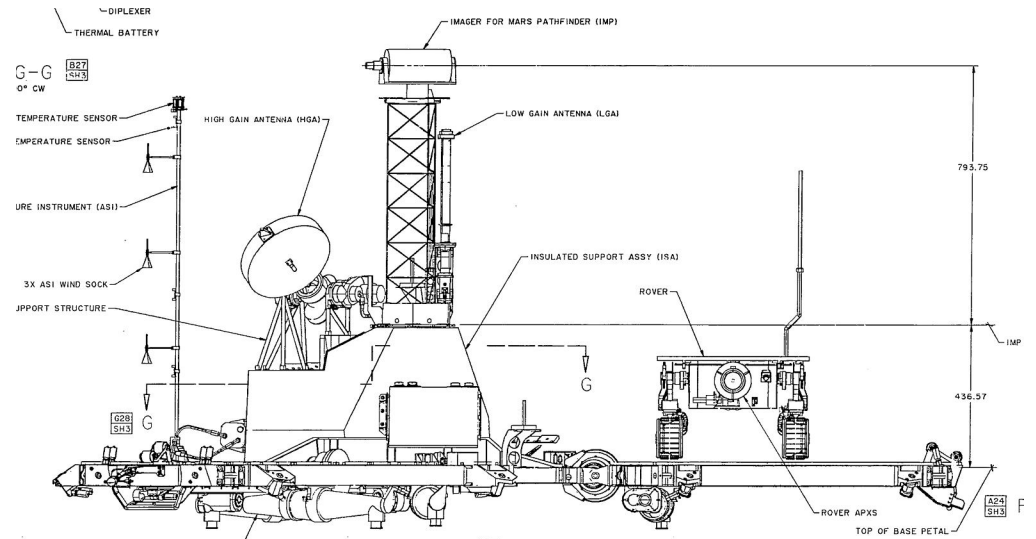
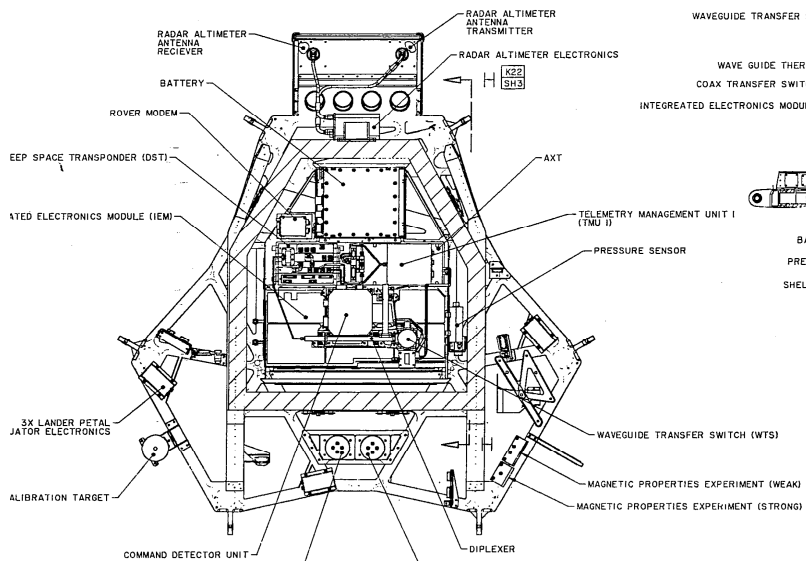
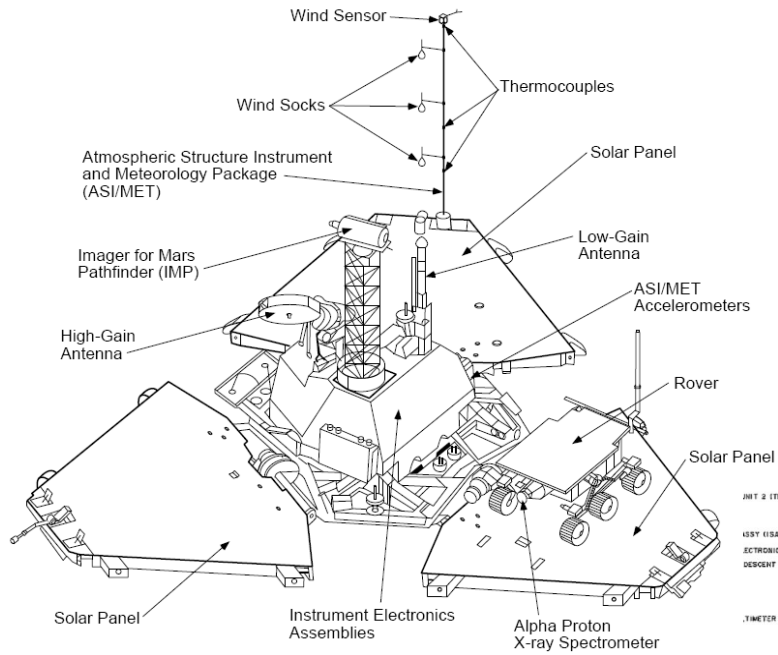


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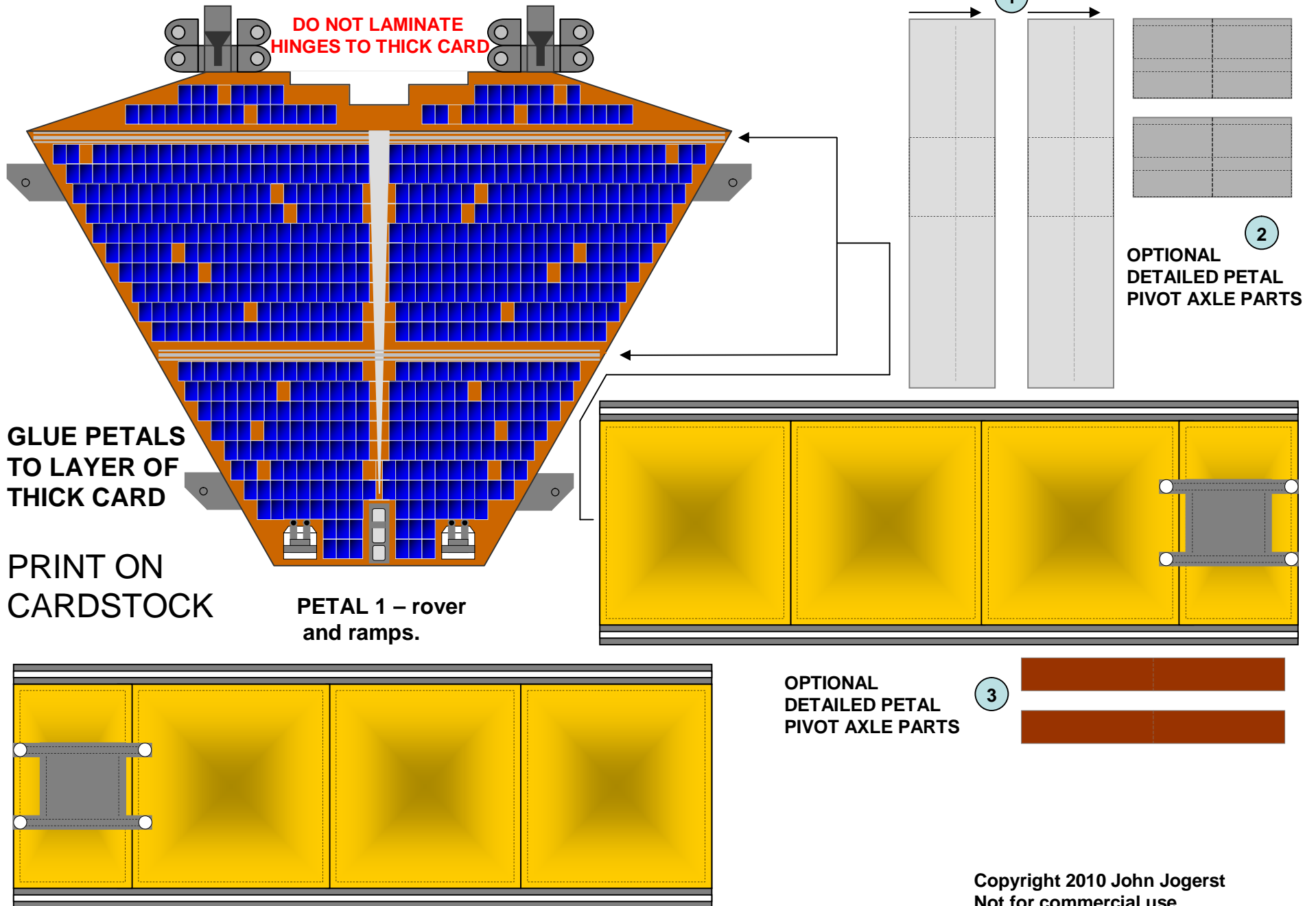
1:12 scale

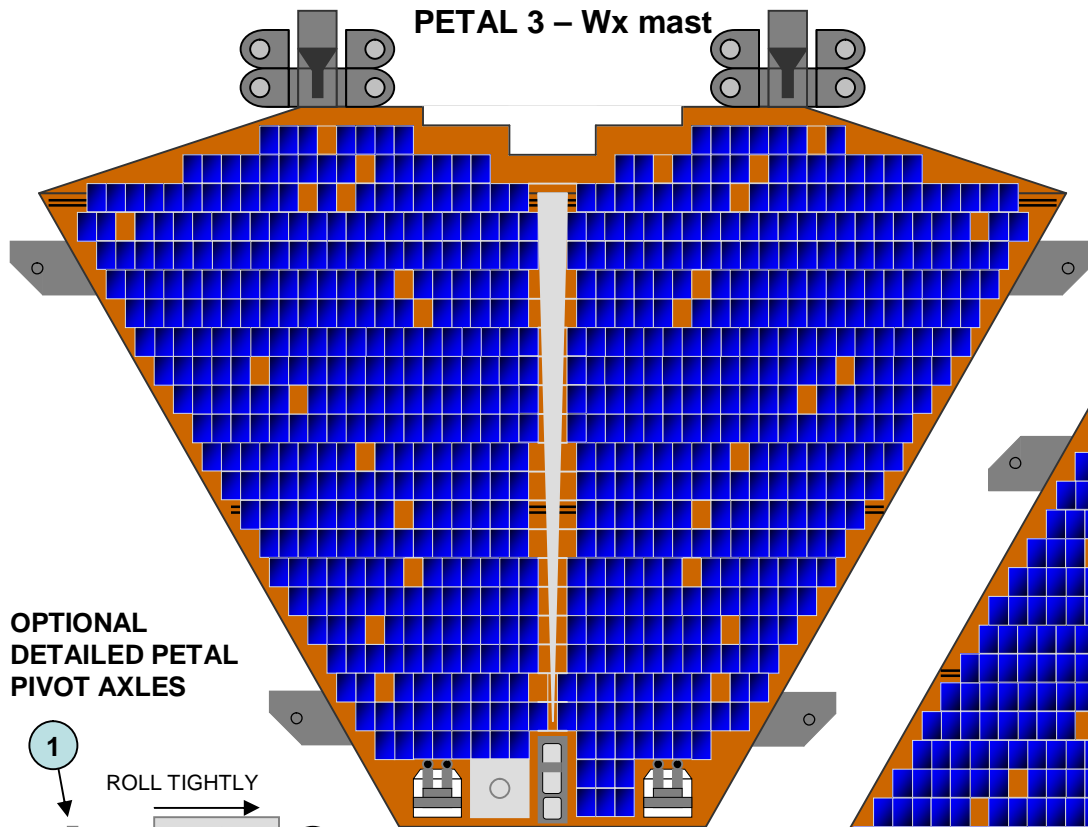


LANDED CONFIGURATION

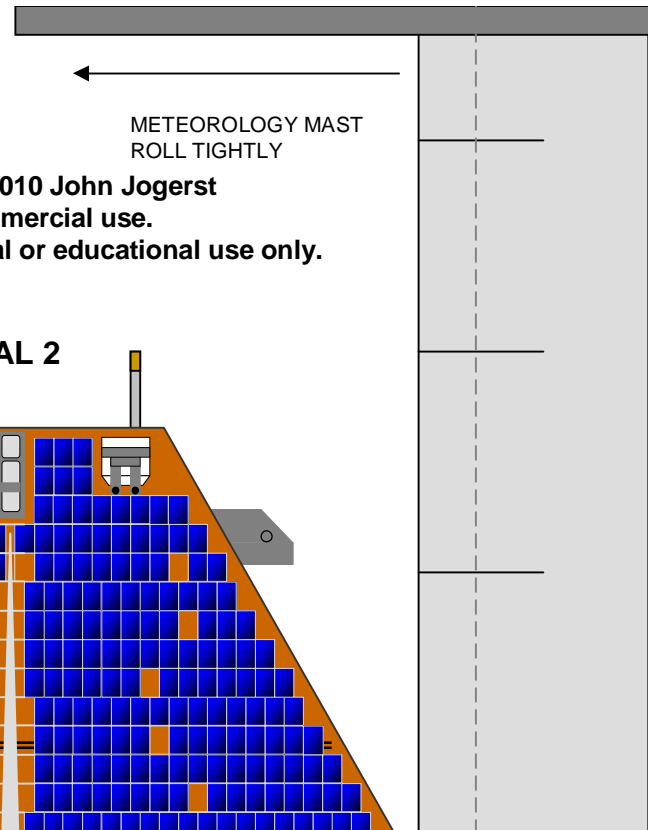
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1:12 scale

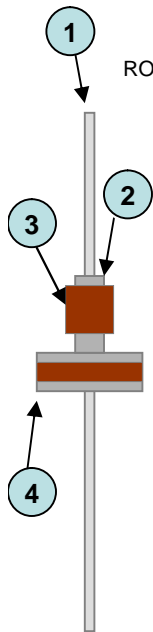




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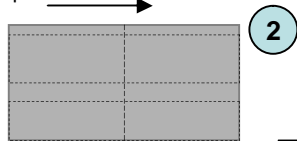


**OPTIONAL
DETAILED PETAL
PIVOT AXLES**



ROLL TIGHTLY

1 Roll axle around toothpick or wire, then roll additional motor parts around axle to build up required diameter.

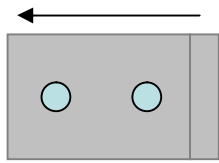


**PRINT ON
CARDSTOCK**

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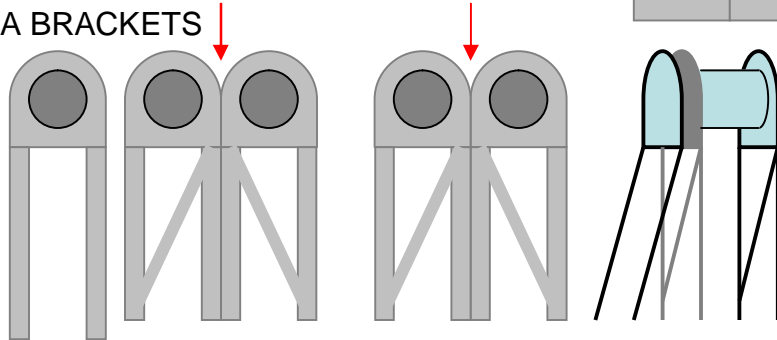
1:12 scale

HGA



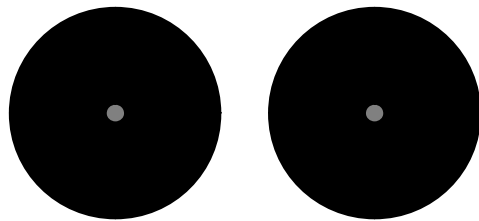
HGA AXLE-1; ROLL AND SET BETWEEN BRACKETS;
SET DISK AXLE-2 THROUGH CENTER

HGA BRACKETS



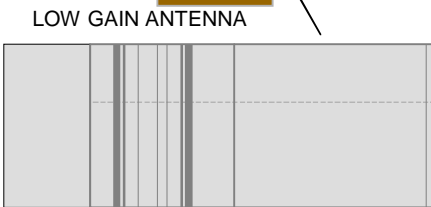
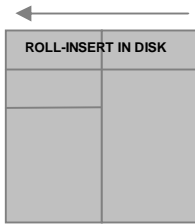
FOLD/GLUE THE TWO SHORTER BRACKETS. LONGER BRACKET GLUES TO OUTER FACE OF AFT BRACKET-TWO LEGS BEND OUTWARD FOR SUPPORT. COMPLETE ASSEMBLY WILL HAVE SIX POINTS OF CONTACT.

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HGA DISK; ROLL BAND INTO CIRCLE AND GLUE ON FACES-INSERT AXLE-2

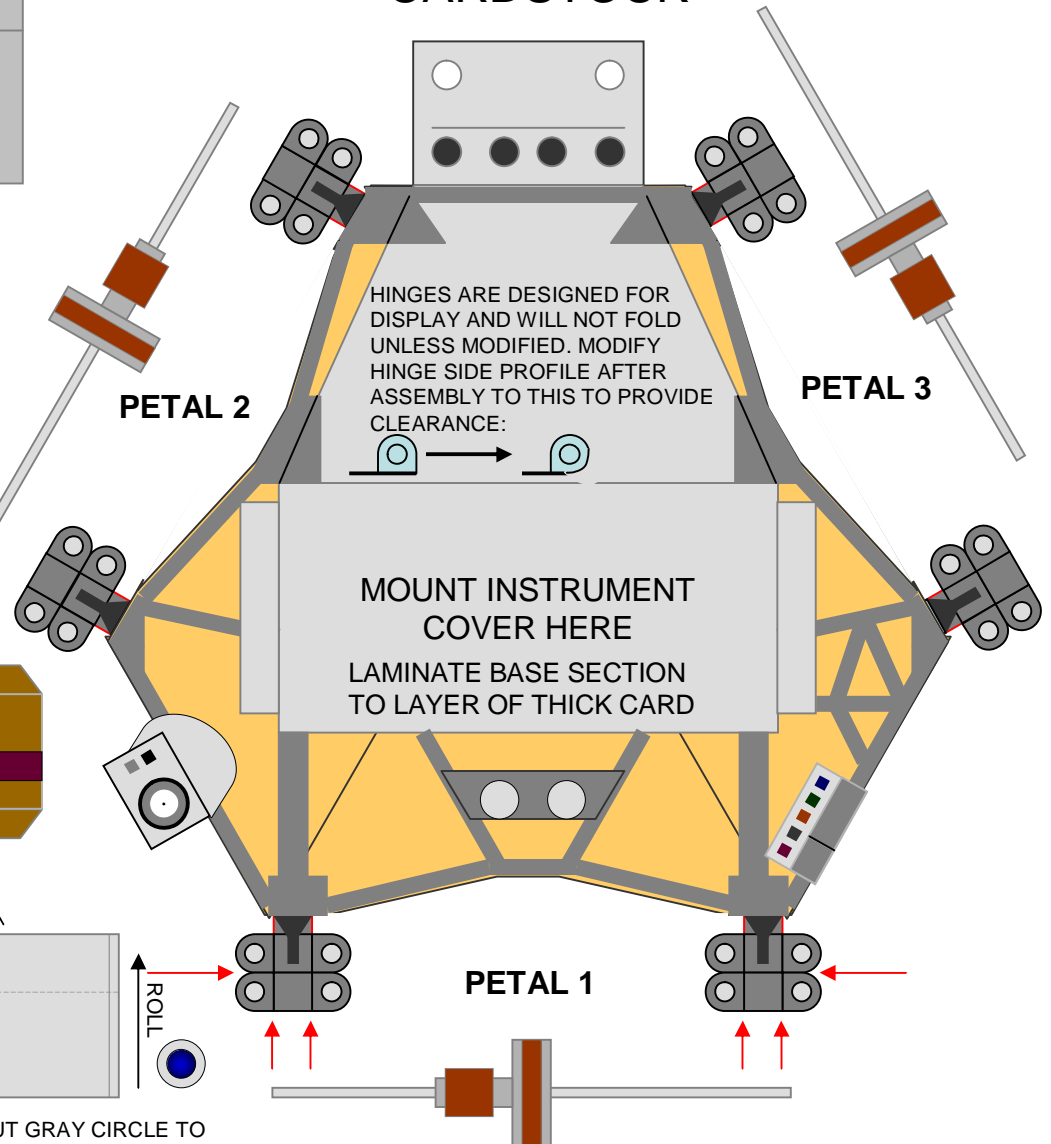
HGA AXLE-2; ROLL AND INSERT INTO DISK AND AXLE-1



LOW GAIN ANTENNA

DRILL OUT GRAY CIRCLE TO INSERT LOW GAIN ANT MAST

PRINT ON
CARDSTOCK



HINGES ARE DESIGNED FOR DISPLAY AND WILL NOT FOLD UNLESS MODIFIED. MODIFY HINGE SIDE PROFILE AFTER ASSEMBLY TO THIS TO PROVIDE CLEARANCE:

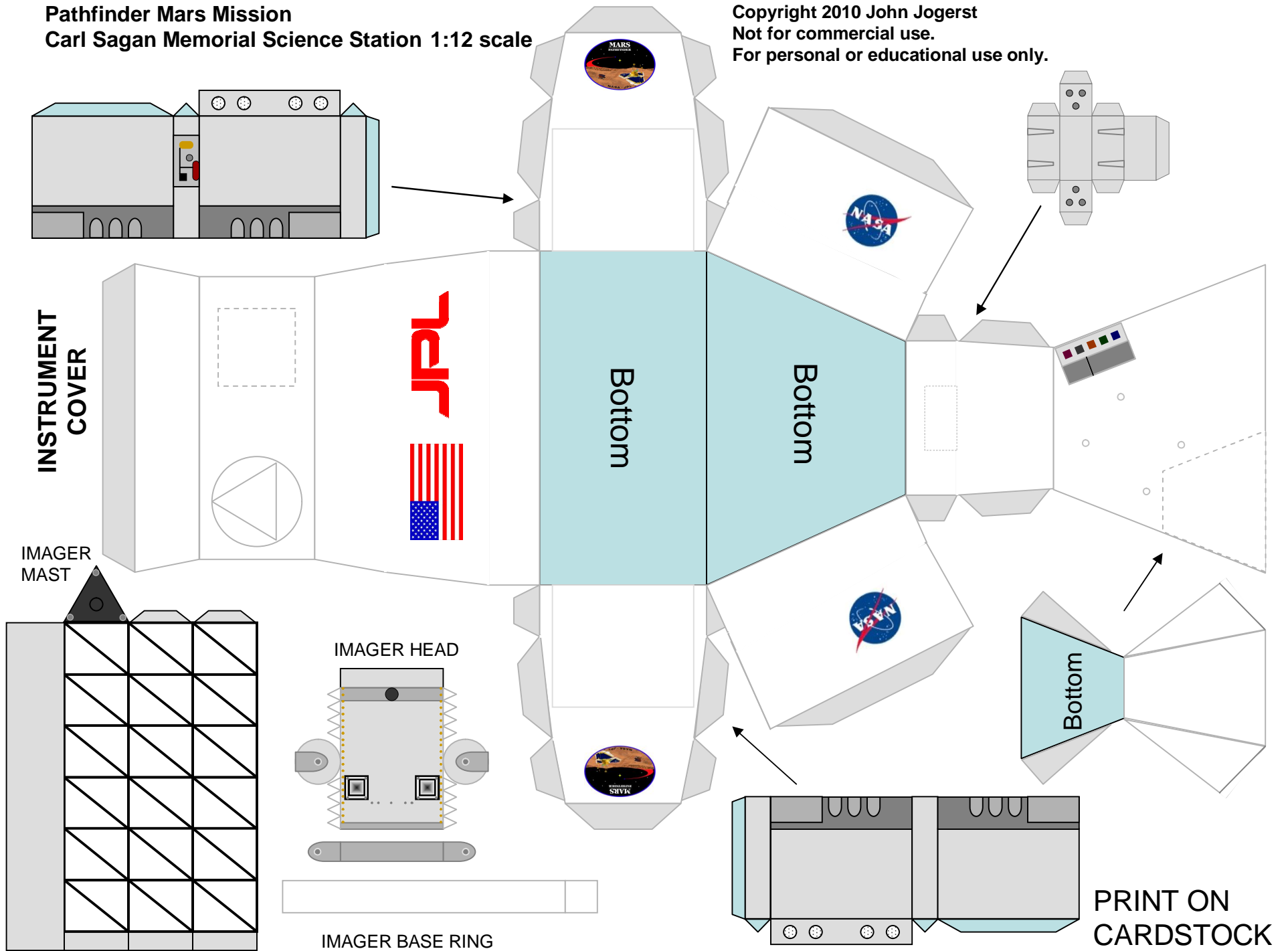


MOUNT INSTRUMENT COVER HERE
LAMINATE BASE SECTION TO LAYER OF THICK CARD

IF NOT BUILDING DETAILED PETAL PIVOT AXLES, SIMPLY CUT DOWN BRACKETS AND GLUE PETALS TO MOUNTS. GLUE FLAT PIVOT AXLE SHAPES OVER JOINT.

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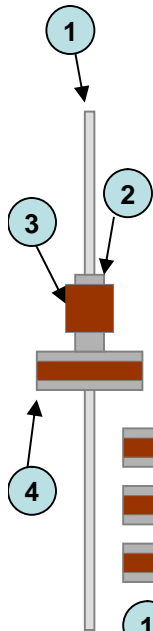
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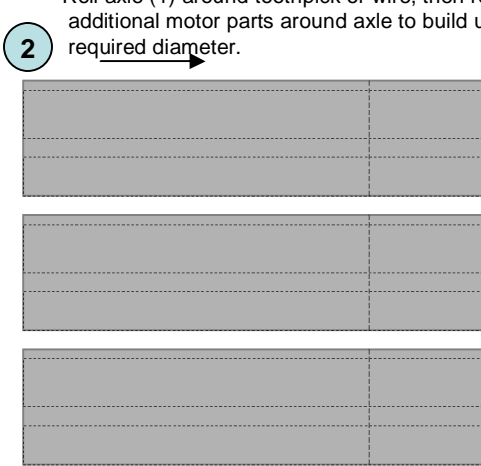
PRINT ON PLAIN PAPER TO MAKE MORE EASILY ROLLED PARTS USE AT LEAST FOUR LAYERS FOR STRENGTH

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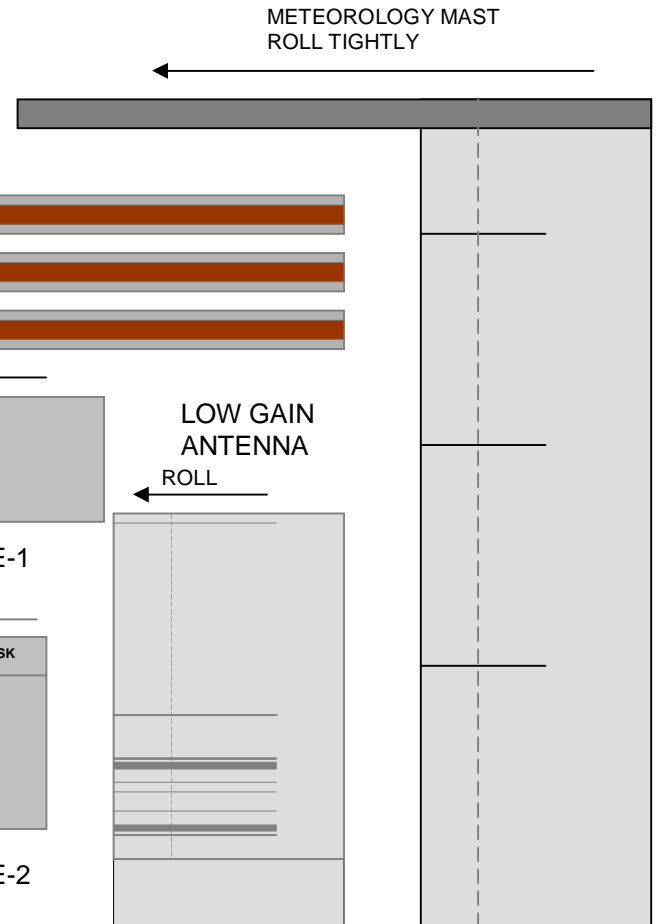
OPTIONAL DETAILED PETAL PIVOT AXLES



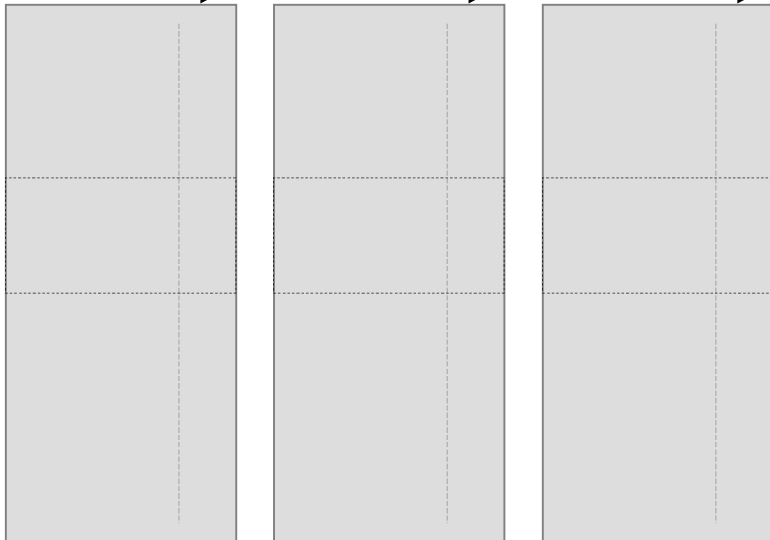
Roll axle (1) around toothpick or wire, then roll additional motor parts around axle to build up required diameter.



METEOROLOGY MAST
ROLL TIGHTLY

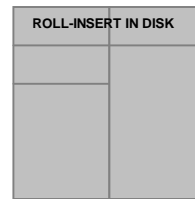


1 ROLL TIGHTLY



HGA

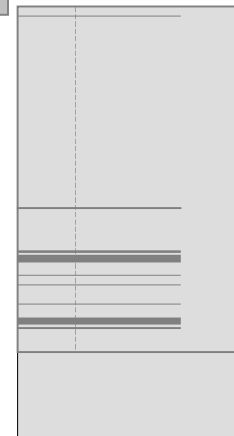
HGA AXLE-1



HGA AXLE-2

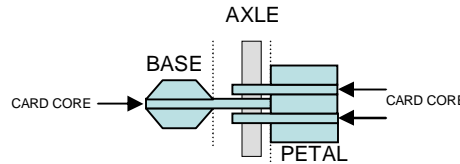
ROLL-INSERT IN DISK

LOW GAIN
ANTENNA
ROLL

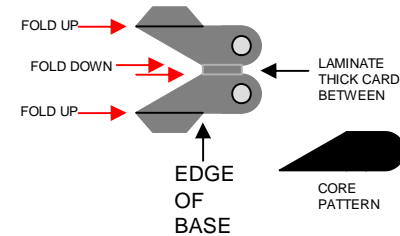
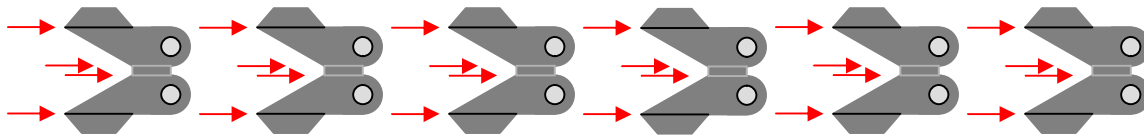


Optional parts for more accurate petal hinges.

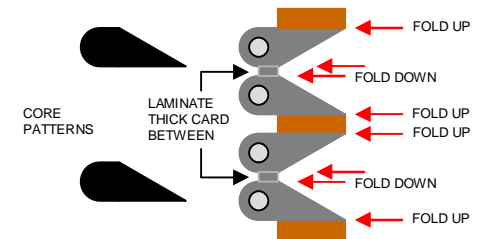
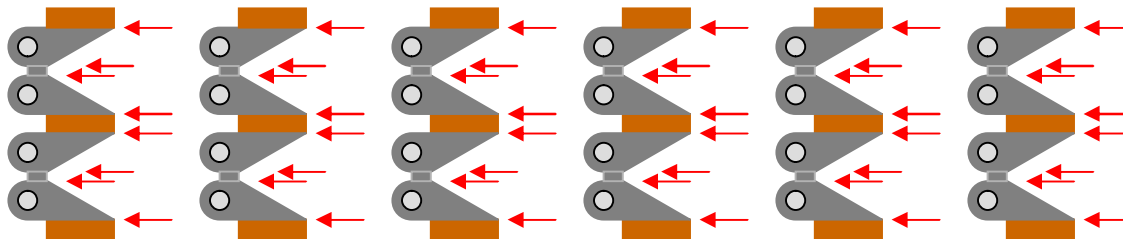
Top view of assembly.



Single leaf hinges for instrument base section. Mark centerline of existing hinges then remove – cut even with the edge of the frame. Fold hinges around a core of heavy card and use tabs to attach to frame at the positions you marked.



Double leaf hinges for petals. Mark centerline of existing hinges then remove – cut even with the edge of the petal. Fold hinge blades around cores of heavy card and use tabs to attach to petal at the positions you marked. Check alignment with the hinges on the instrument base before gluing.



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1:12 scale

