

# STEEL TEC<sup>TM</sup>

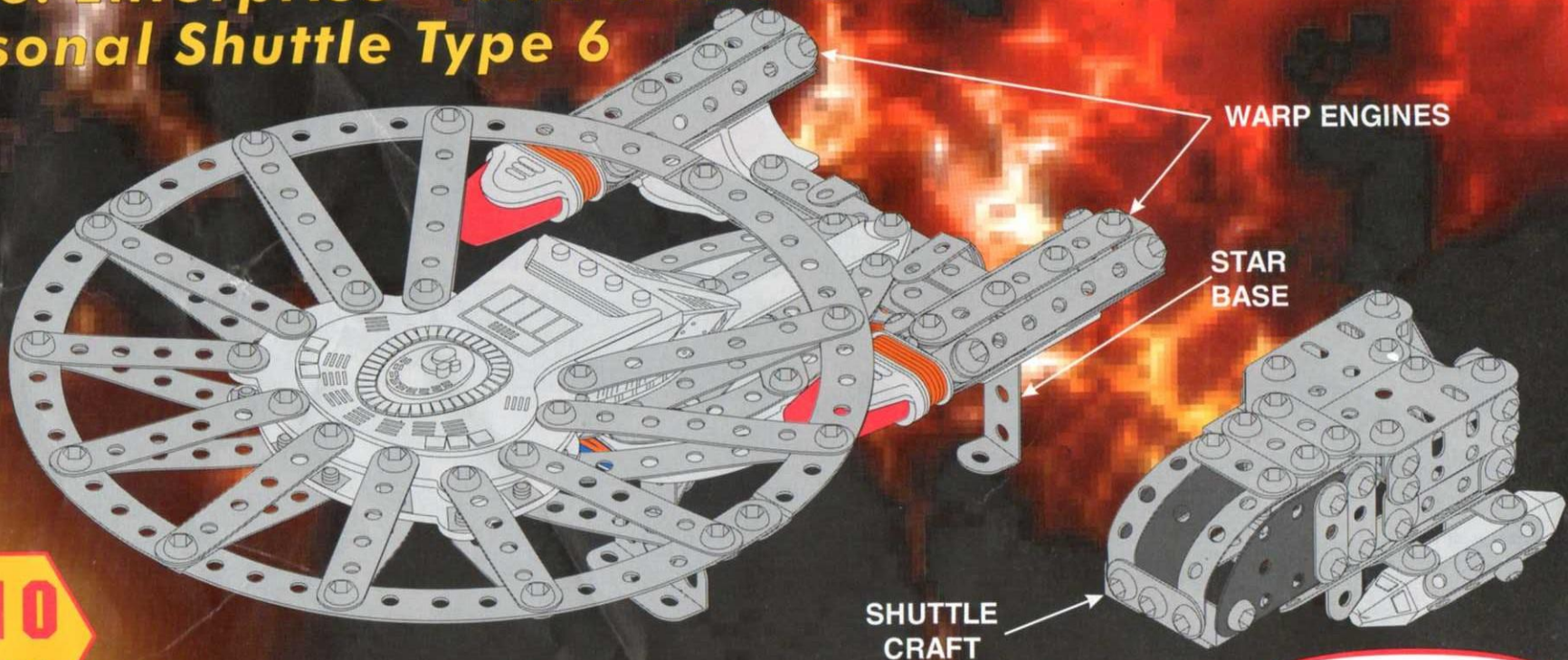
CONSTRUCTION  
SYSTEM

405

THE STEEL CONSTRUCTION SYSTEM

**Star Trek: The Next Generation<sup>®</sup>**  
**U.S.S. Enterprise<sup>TM</sup> with stand &**  
**Personal Shuttle Type 6**

**INSTRUCTION  
MANUAL**



**410**  
**PARTS**

Item # 7094

**REMCO**  
®





HI FELLOW STEEL TEC BUILDERS. LET'S READ THE FOLLOWING ASSEMBLY STEPS TOGETHER. PLEASE ALLOW TIME TO PROPERLY ASSEMBLE EACH COMPONENT. EACH PART IS IDENTIFIED IN THE CHART BELOW BY COLOR AND I.D. LETTER, AND IS SHOWN ACTUAL SIZE. NOTE: INDIVIDUAL PART COLORS MAY VARY.

SELECT A PART, PLACE IT ON THE MATCHING PICTURE AND I.D. LETTER TO MAKE SURE THE PART IS CORRECT.

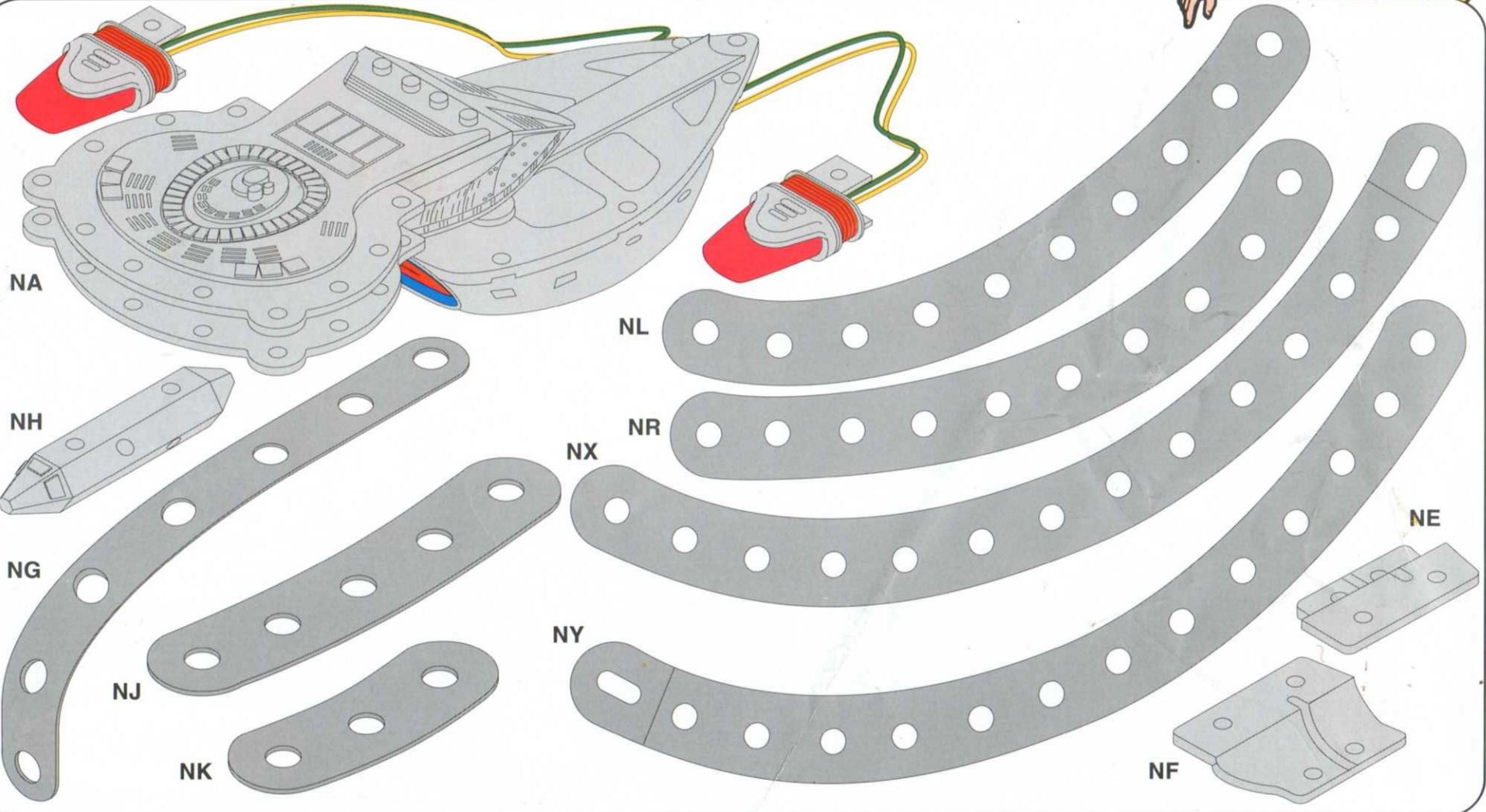
IDENTIFY ALL PARTS AND TOOLS IN YOUR SET BEFORE STARTING THE ACTUAL ASSEMBLY.



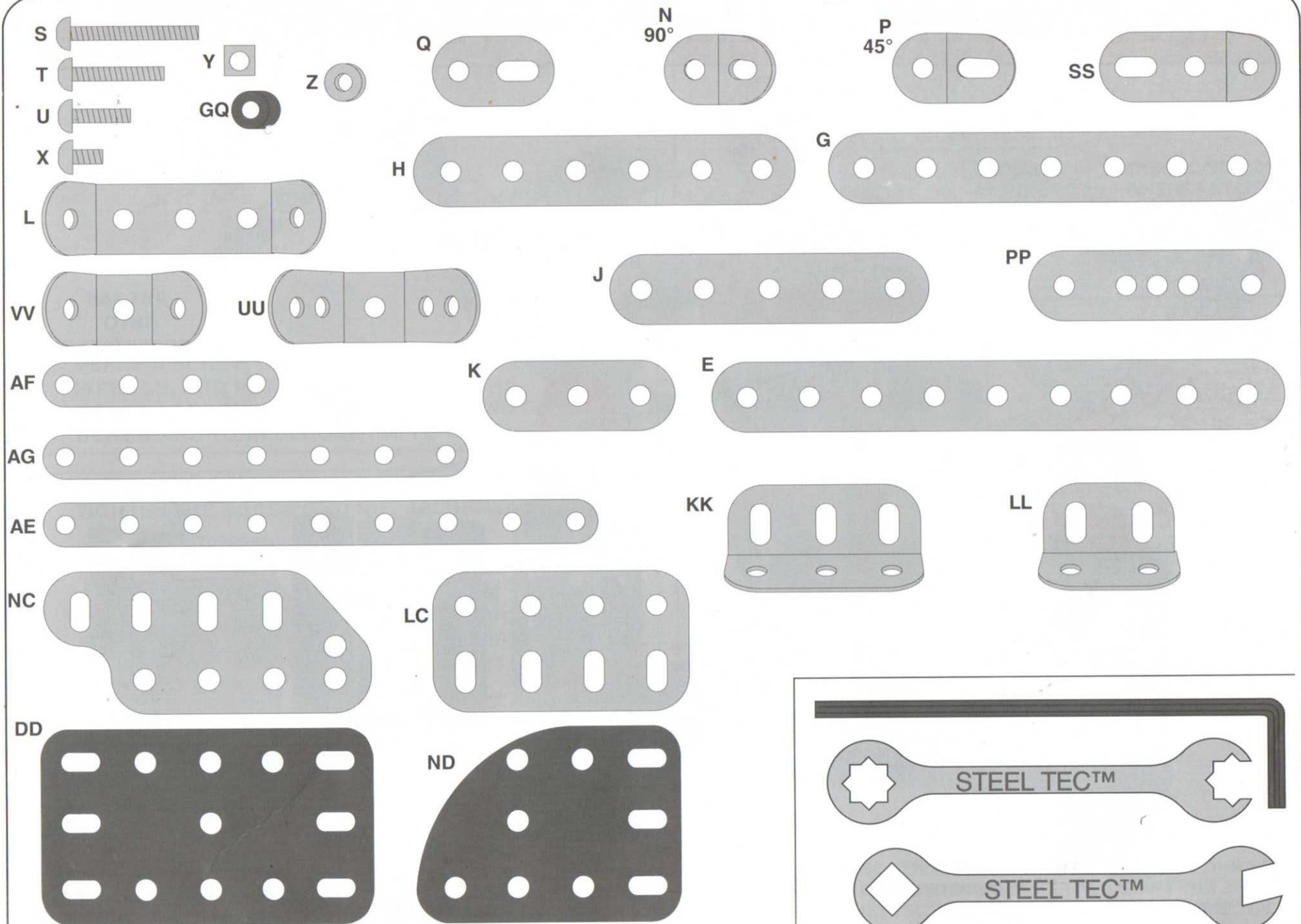
PARTS IDENTIFICATION

PART I.D.

ACTUAL SIZE &amp; COLOR OF PART

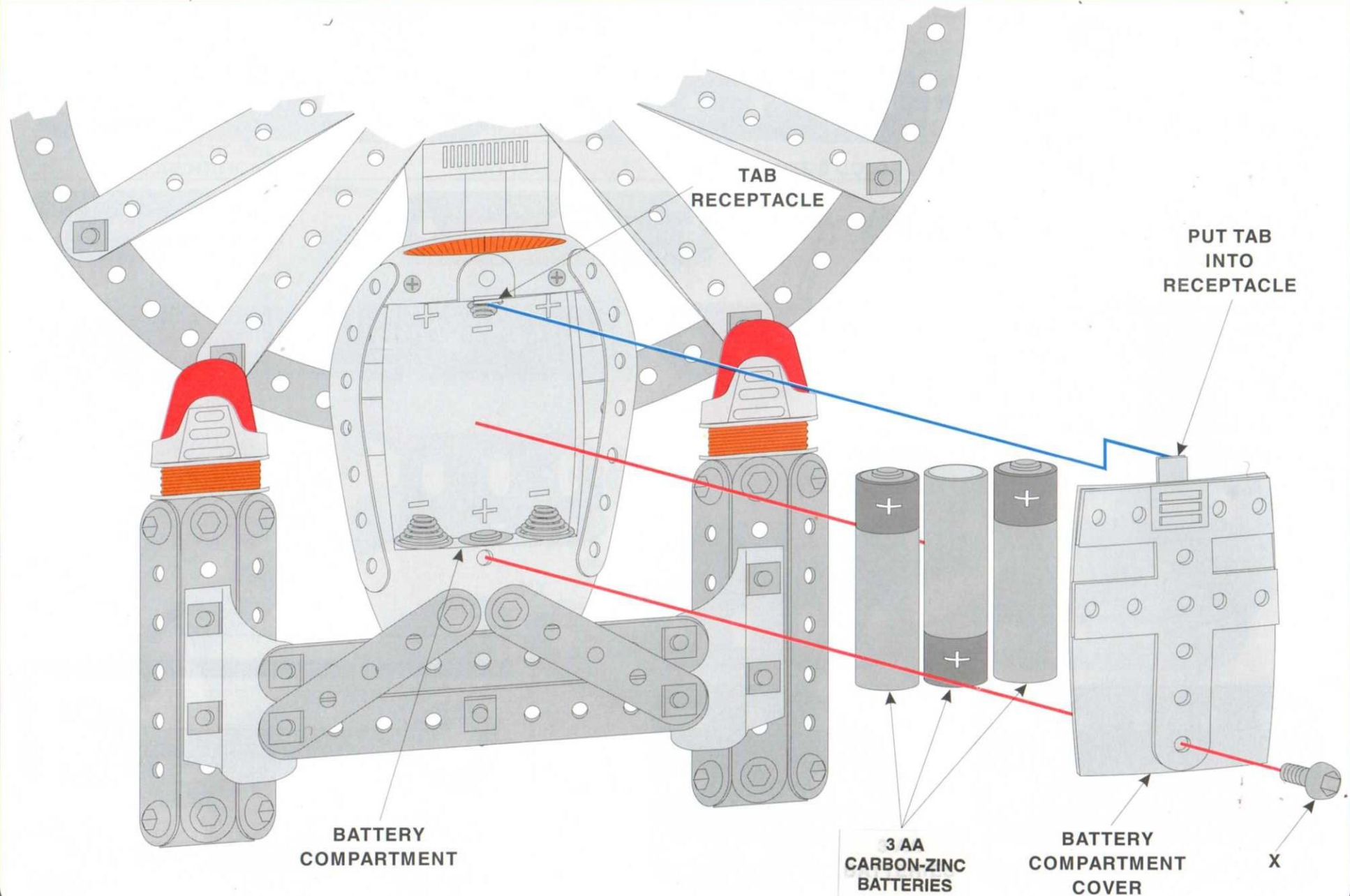


## PARTS IDENTIFICATION CONTINUED

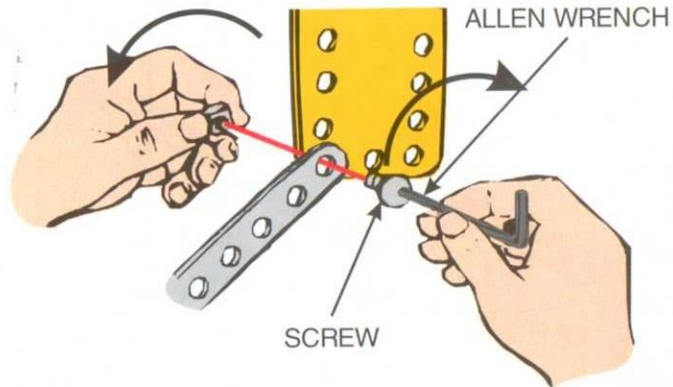




# HOW TO INSTALL BATTERIES AND BATTERY COVER

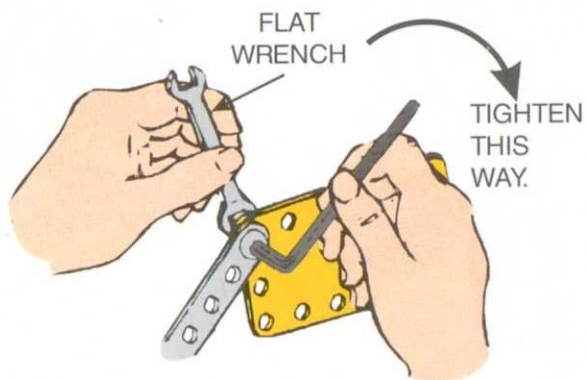


## HOW TO USE NUTS & SCREWS



PLACE A SCREW ON THE END OF THE ALLEN WRENCH, AND PUT THE SCREW THRU THE HOLES AS SHOWN. THREAD NUT BY HAND ONTO SCREW AND TURN CLOCKWISE TO TIGHTEN.

USE THE FLAT WRENCH AND ALLEN WRENCH TO TIGHTEN THE SCREW AND NUT AS SHOWN.



NOW THAT YOU'VE LEARNED HOW THINGS ARE ASSEMBLED, YOU CAN PRACTICE WHAT YOU'VE LEARNED BY MAKING A SQUARE USING 4 BEAMS OF THE SAME LENGTH.

## HOW THE INSTRUCTIONS ARE USED



HERE'S HOW A TYPICAL STEP LOOKS.

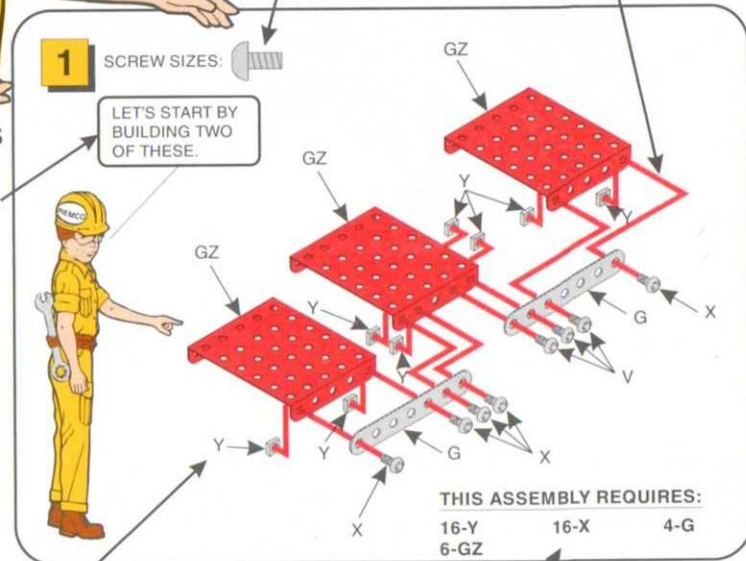
SHOWS ACTUAL SIZE OF SCREW.

THESE LINES SHOW WHERE NUTS AND SCREWS GO THRU PARTS.

**1** SCREW SIZES:

LET'S START BY BUILDING TWO OF THESE.

THESE WORDS EXPLAIN STEP BY STEP HOW TO ASSEMBLE PARTS.

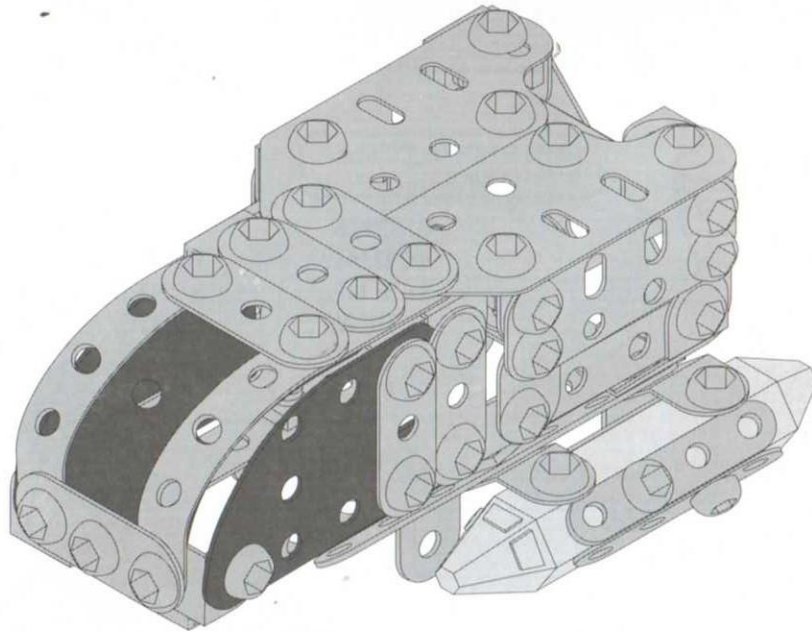


THESE LETTERS IDENTIFY THE PART (SEE PARTS I.D. SECTION).

THESE ARE THE PARTS YOU'LL NEED FOR THIS STEP. SELECT THE PARTS FIRST, THEN START THE CONSTRUCTION. YOU'LL KNOW YOU'VE DONE THE ASSEMBLY CORRECTLY, IF ALL THE PARTS ARE USED.

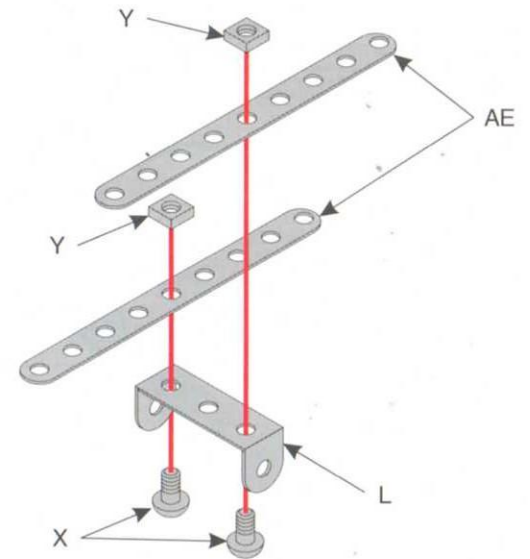


# PERSONAL SHUTTLE TYPE 6



## 1 SCREW SIZES:

WE WILL START OUR SHUTTLE CRAFT BY BUILDING THE BOTTOM STRUCTURE.

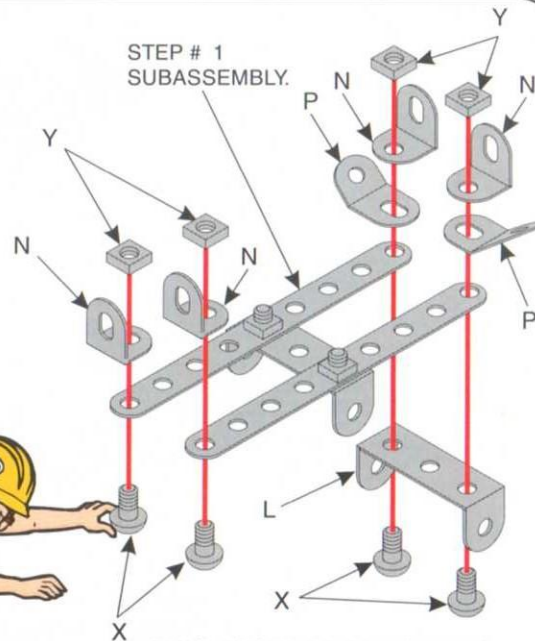


THIS ASSEMBLY REQUIRES:

1-L	2-Y	2-AE
2-X		

## 2 SCREW SIZES:

NOW ADD THESE ANGLES TO SUPPORT THE UPPER STRUCTURE OF THE SHUTTLE CRAFT.

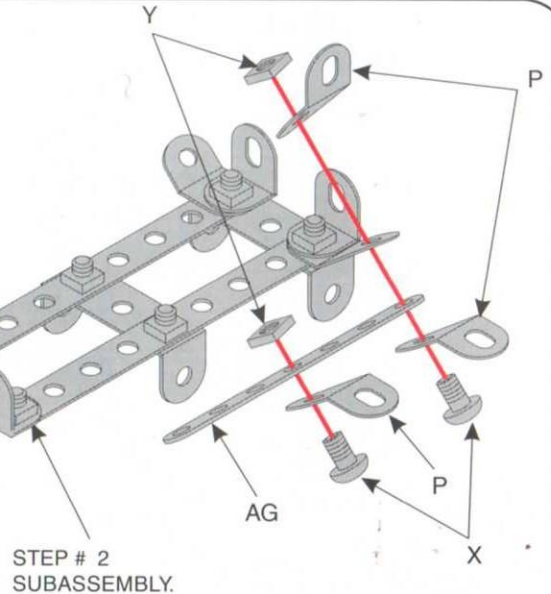


THIS ASSEMBLY REQUIRES:

1-L	2-P	4-Y
4-N	4-X	

## 3 SCREW SIZES:

ADD THE SHUTTLE CRAFT ENGINE OUTRIGGER TO THIS SIDE.

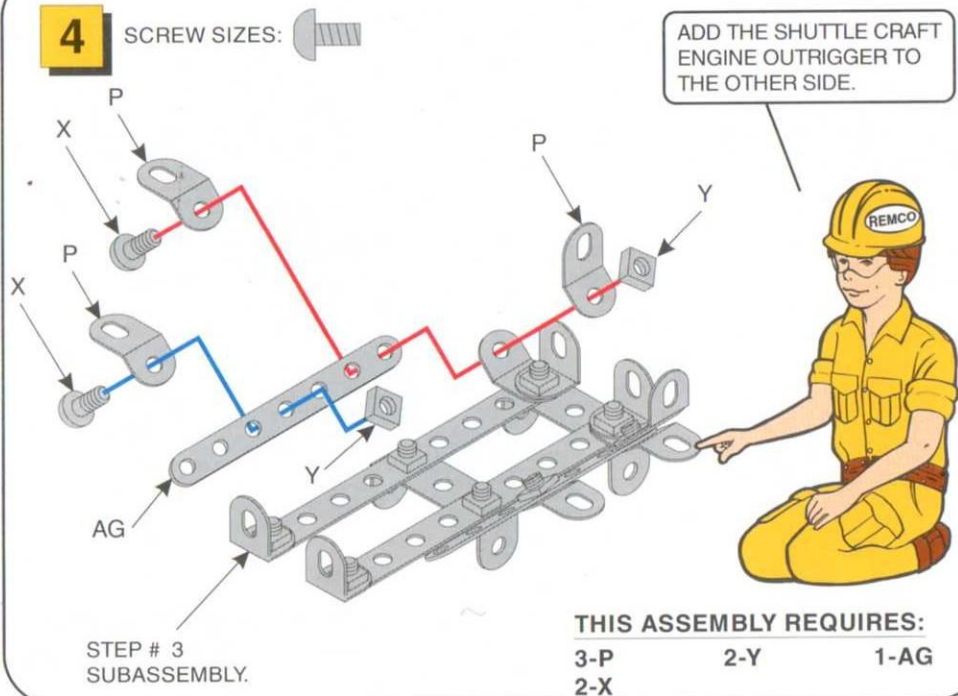


THIS ASSEMBLY REQUIRES:

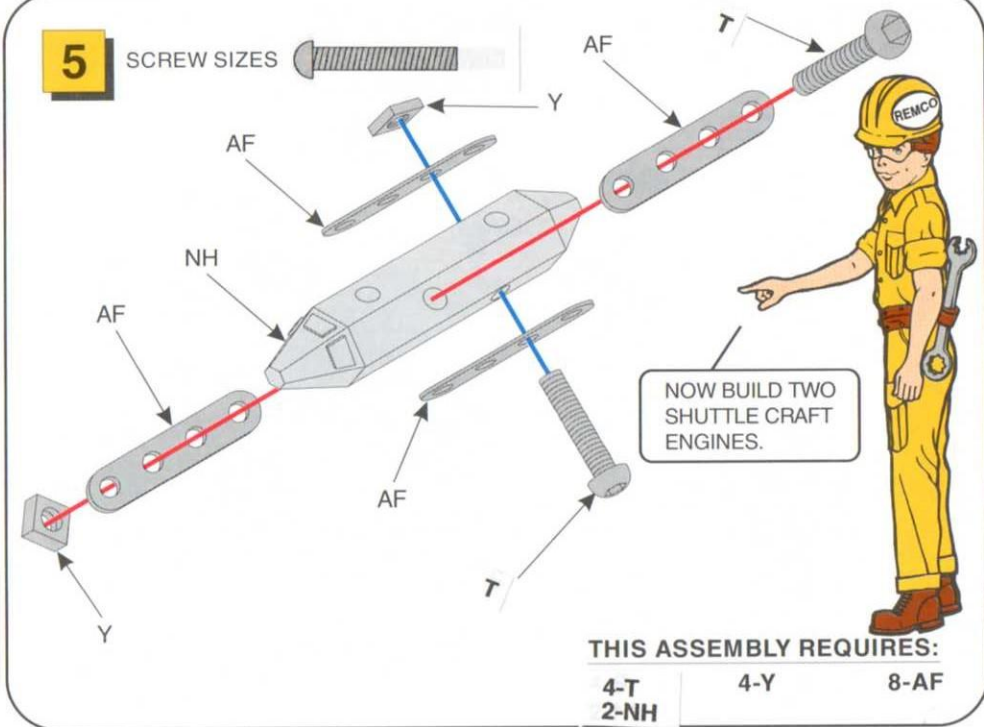
3-P	2-Y	1-AG
2-X		

**4**

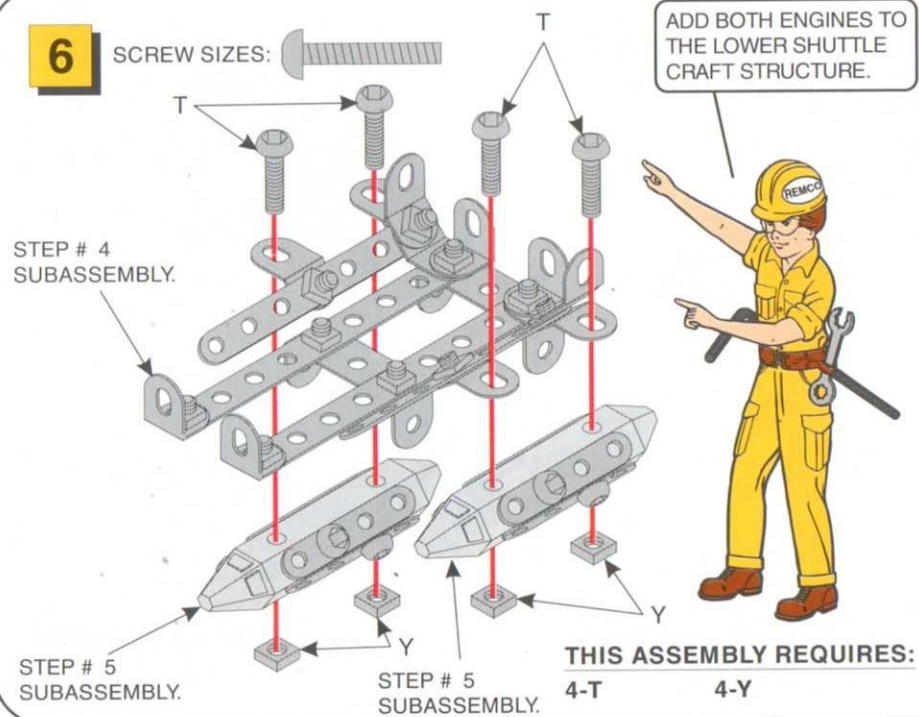
SCREW SIZES:

**5**

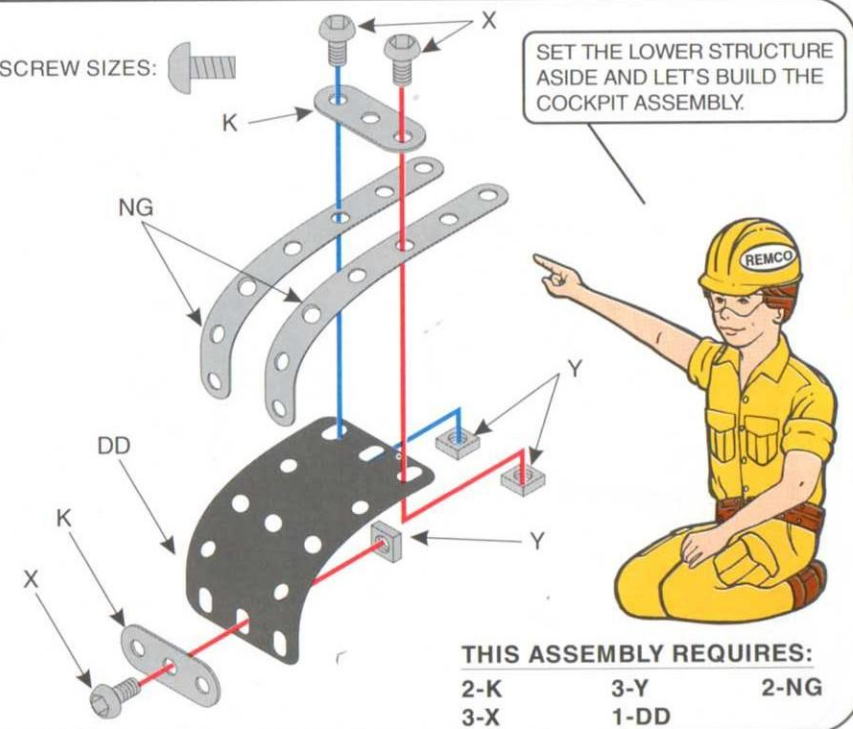
SCREW SIZES:

**6**

SCREW SIZES:

**7**

SCREW SIZES:





**8**

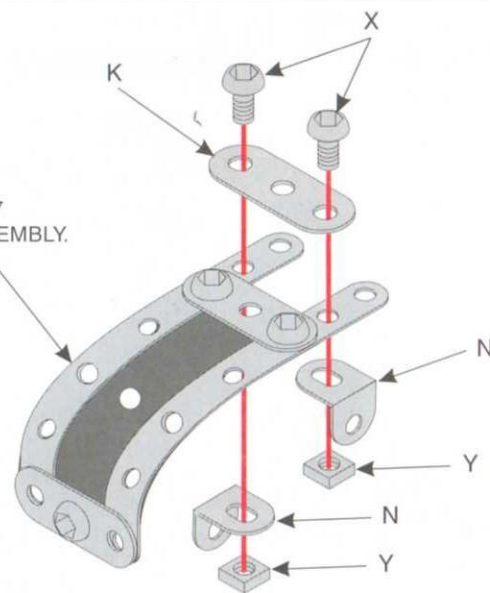
SCREW SIZES:



ADD THESE PARTS  
TO THE COCKPIT.



STEP # 7  
SUBASSEMBLY.



THIS ASSEMBLY REQUIRES:

1-K 2-X 2-Y  
2-N

**9**

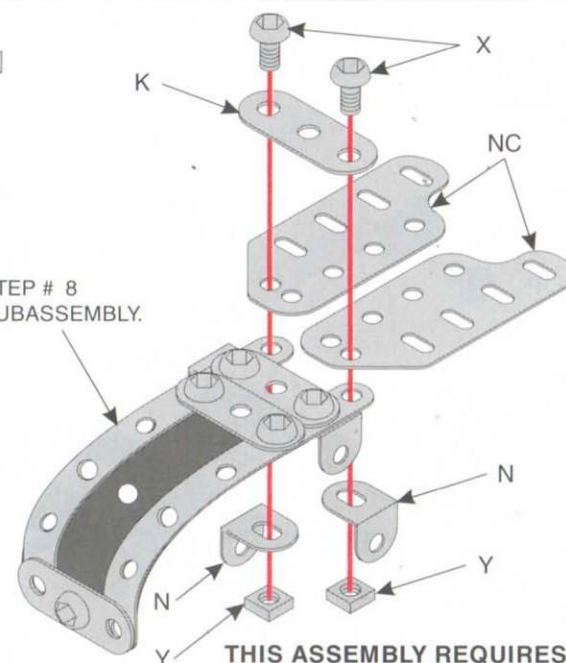
SCREW SIZES:



NOW ADD THE ROOF  
TO THE SHUTTLE CRAFT  
CARGO BAY.



STEP # 8  
SUBASSEMBLY.



THIS ASSEMBLY REQUIRES:

1-K 2-X 2-NC  
2-N 2-Y

**10**

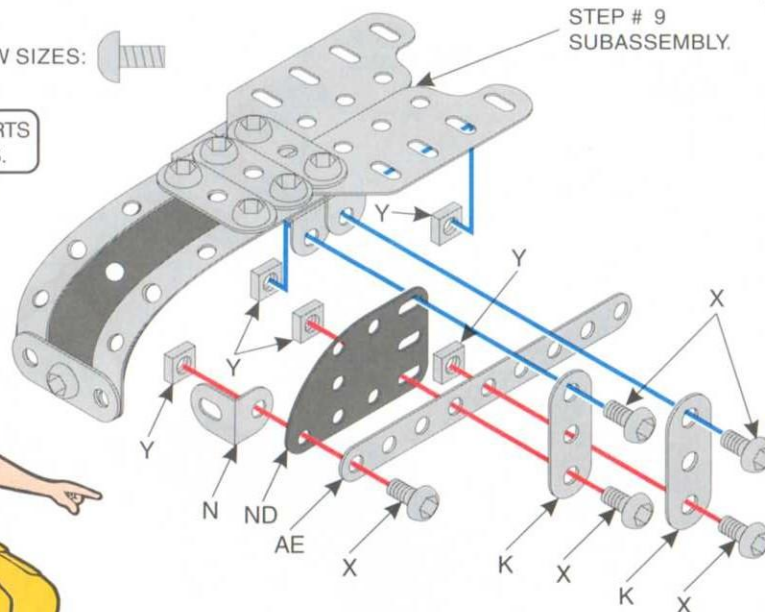
SCREW SIZES:



ADD THESE PARTS  
TO BOTH SIDES.



STEP # 9  
SUBASSEMBLY.



THIS ASSEMBLY REQUIRES:

4-K 10-X 2-AE  
2-N 10-Y 2-ND

**11**

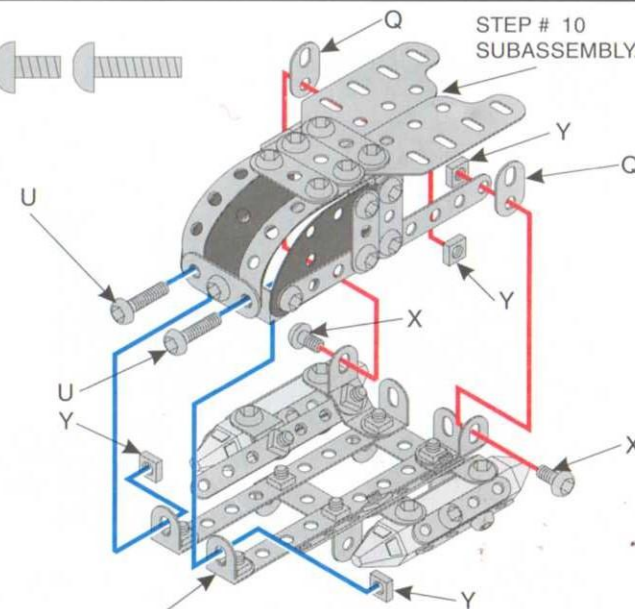
SCREW SIZES:



LET'S MATE THE  
COCKPIT/CARGO  
BAY WITH THE  
LOWER STRUCTURE



STEP # 10  
SUBASSEMBLY.



STEP # 6  
SUBASSEMBLY.

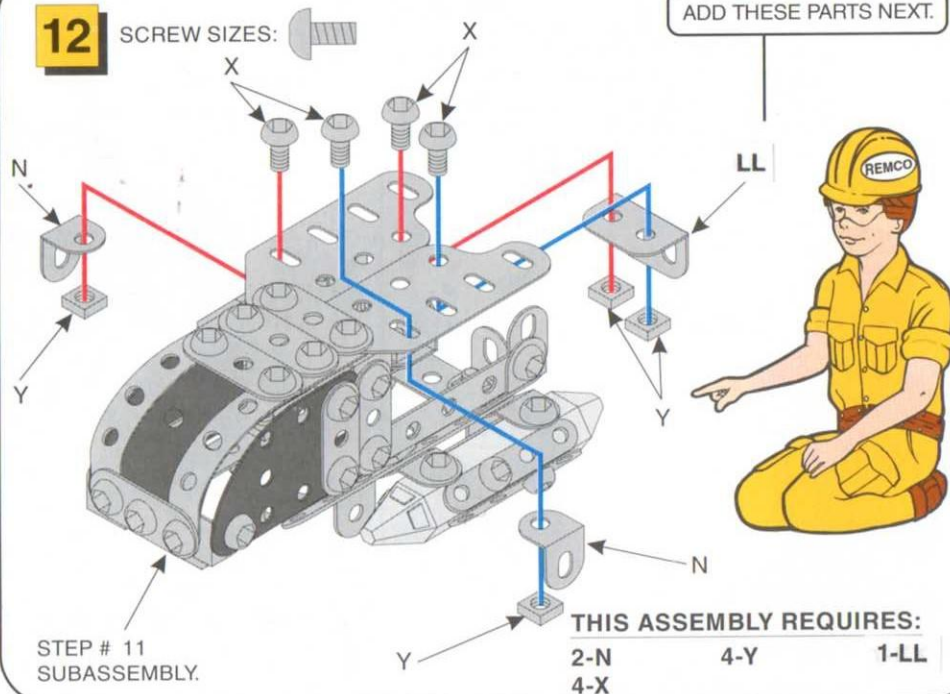
THIS ASSEMBLY REQUIRES:

2-Q 2-X 4-Y  
2-U

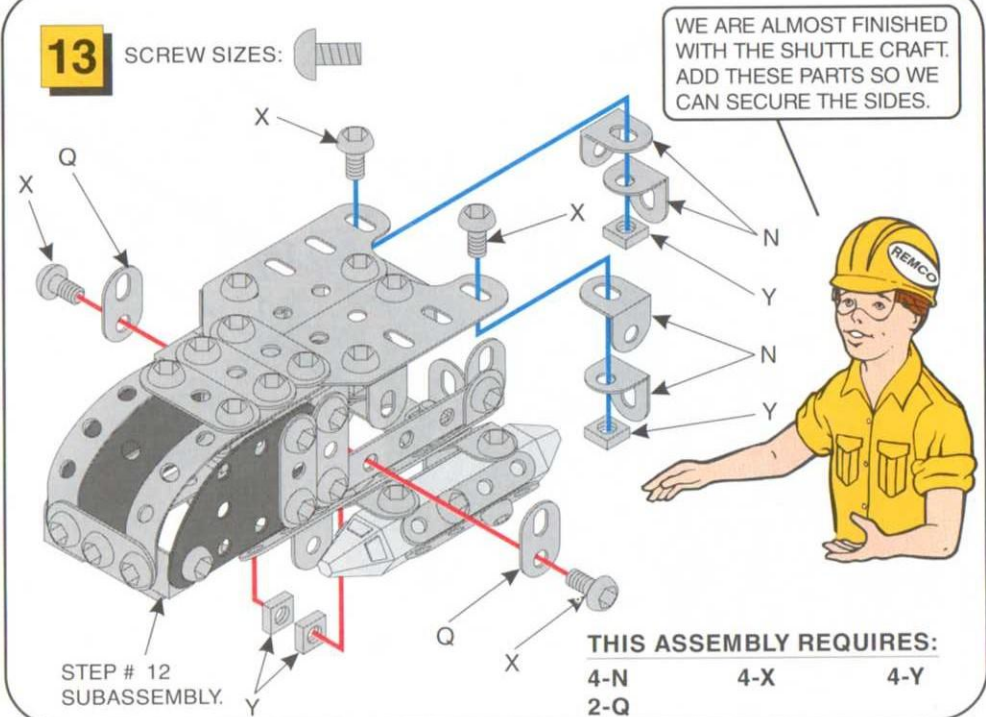


**12**

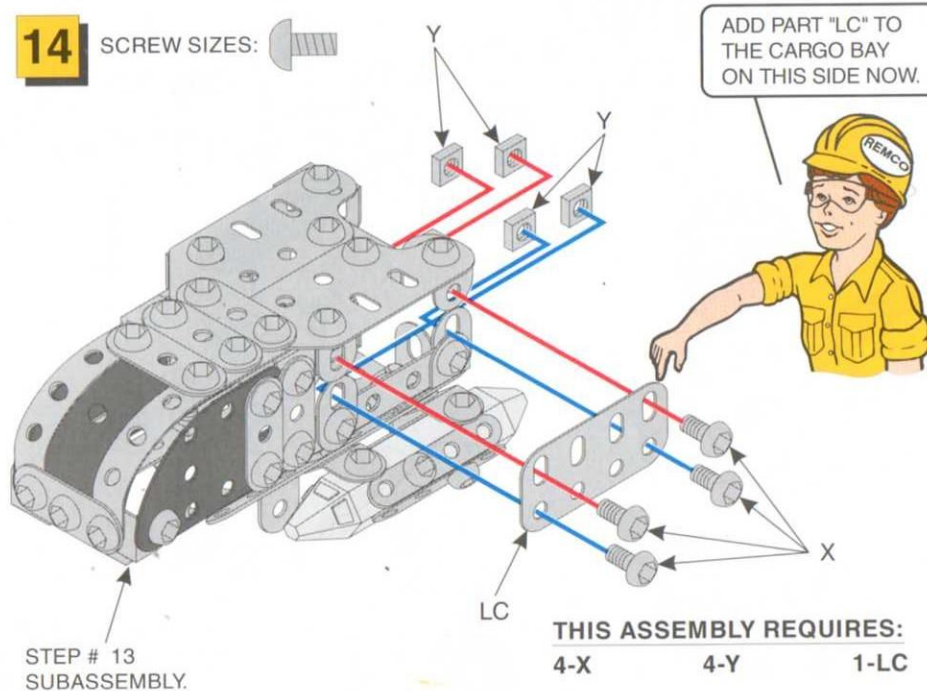
SCREW SIZES:

**13**

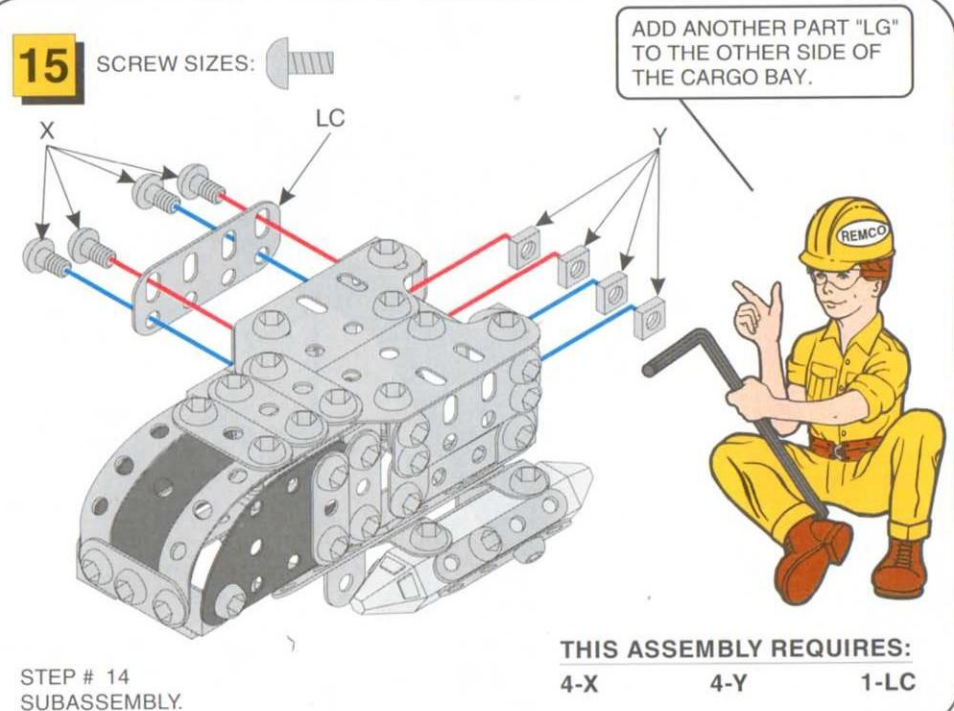
SCREW SIZES:

**14**

SCREW SIZES:

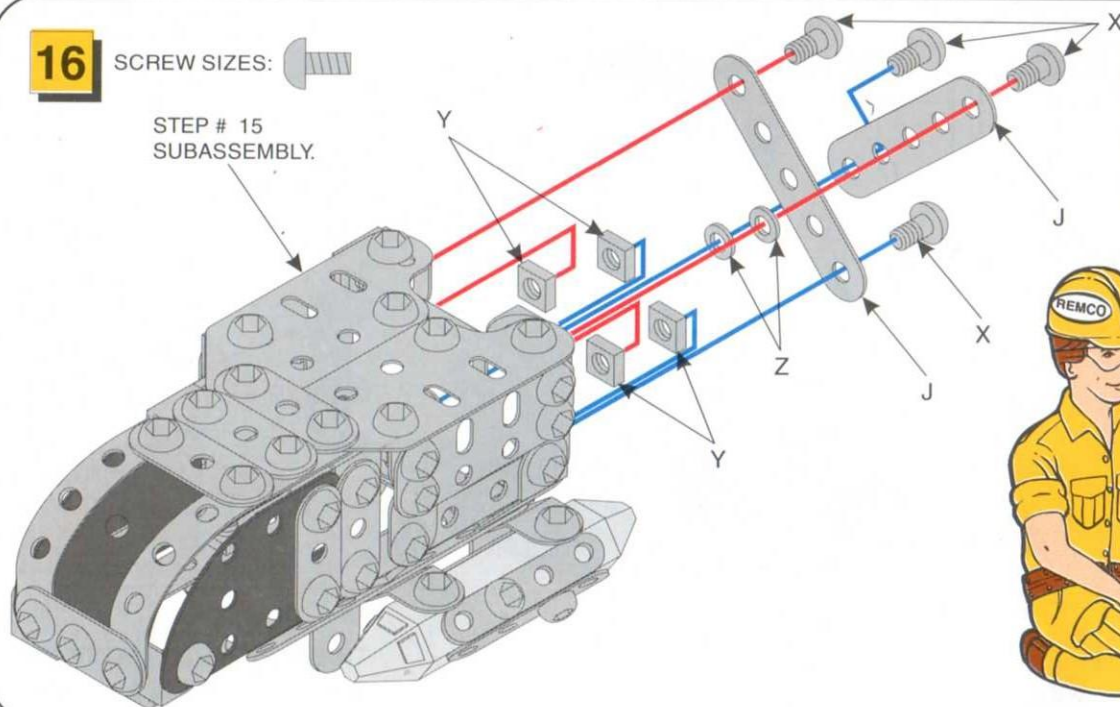
**15**

SCREW SIZES:



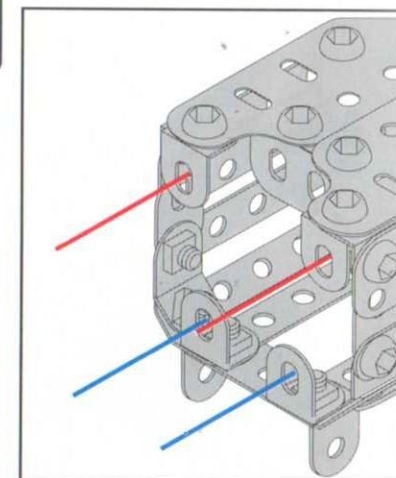
**16**

SCREW SIZES:

STEP # 15  
SUBASSEMBLY.

NOW INSTALL TWO CROSS BRACES. NOTE THE DETAIL REAR VIEW TO HELP YOU LOCATE THE PROPER HOLES. THE LAST BRACE ON NEEDS TWO WASHERS, PART "Z" BETWEEN THE BRACE AND THE SHUTTLE CRAFT STRUCTURE.

VIEW FROM REAR



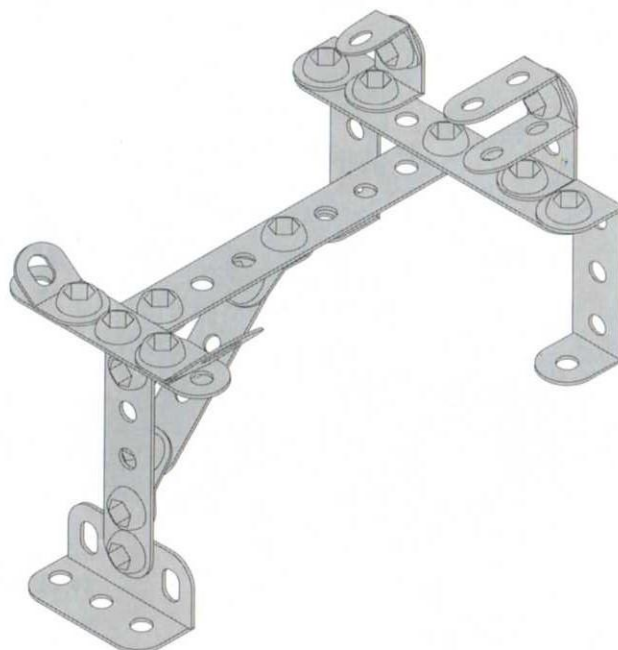
THIS ASSEMBLY REQUIRES:

2-J  
4-X

4-Y

2-Z

## U.S.S. ENTERPRISE STAND



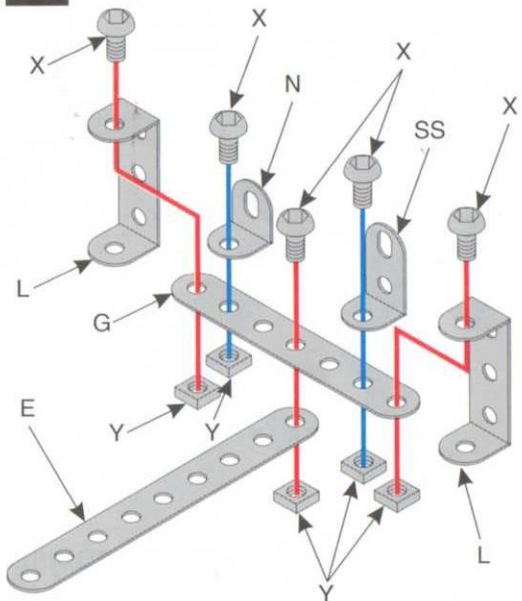
WE WILL NOW BUILD STAR BASE. THIS WILL SUPPORT THE ENTERPRISE WHEN IT IS NOT ON A MISSION FOR STAR FLEET COMMAND.





**17** SCREW SIZES:

WE WILL BEGIN ASSEMBLING THE BASE WITH THESE PARTS.

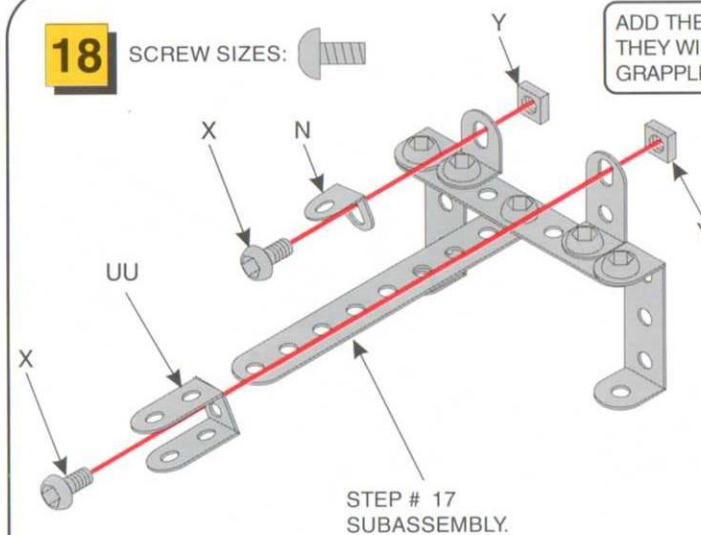


THIS ASSEMBLY REQUIRES:

1-E	2-L	1-SS	5-Y
1-G	1-N	5-X	

**18** SCREW SIZES:

ADD THESE PARTS TO THE BASE. THEY WILL ACT AS DOCKING GRAPPLERS FOR THE ENTERPRISE.



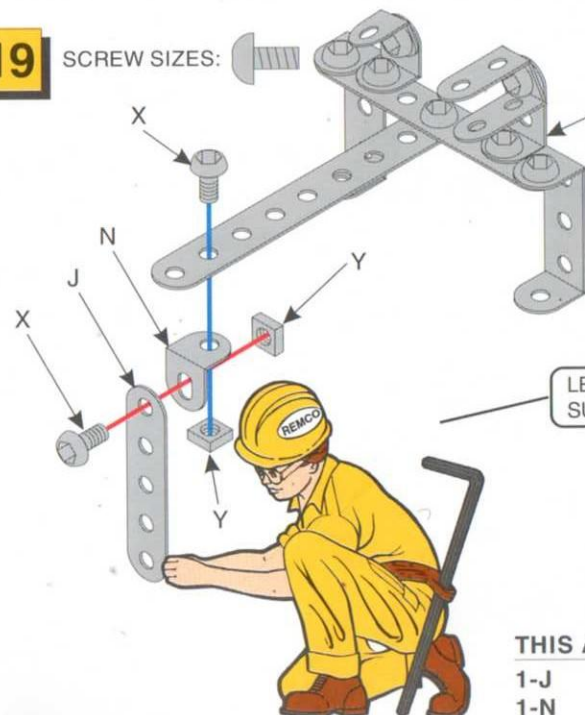
STEP # 17  
SUBASSEMBLY.

THIS ASSEMBLY REQUIRES:

1-N	2-X	2-Y
1-UU		

**19** SCREW SIZES:

STEP # 18  
SUBASSEMBLY.



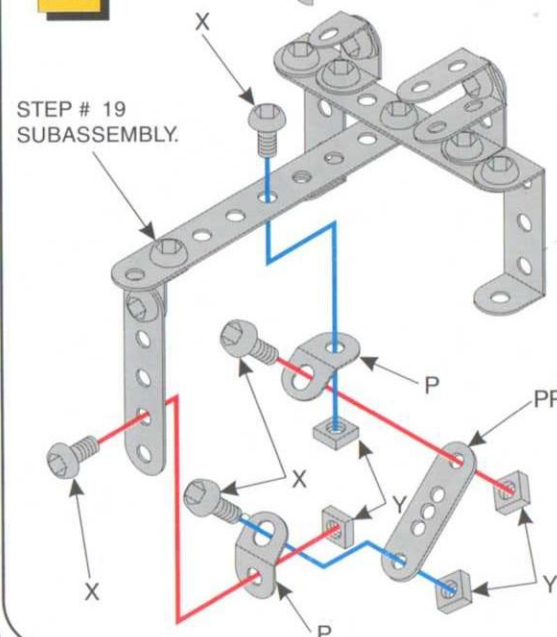
LET'S ADD THE FRONT  
SUPPORT NOW.

THIS ASSEMBLY REQUIRES:

1-J	2-X	2-Y
1-N		

**20** SCREW SIZES:

NOW BRACE THE SUPPORT  
WITH THESE PARTS.



STEP # 19  
SUBASSEMBLY.

THIS ASSEMBLY REQUIRES:

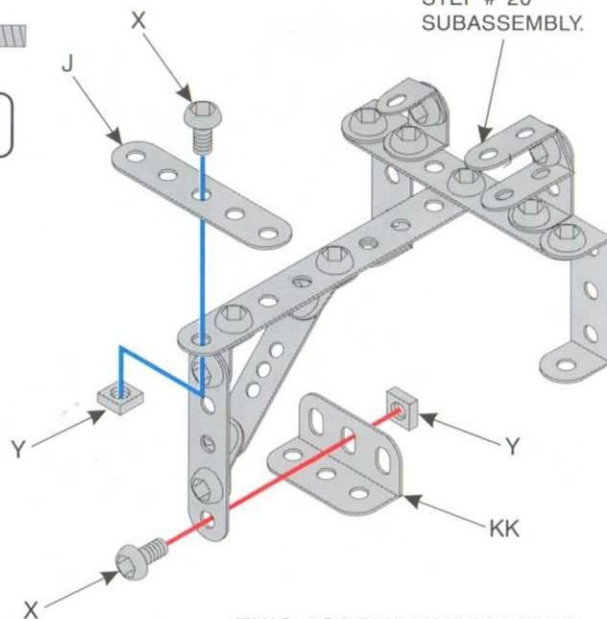
2-P	4-X	4-Y
1-PP		

**21**

SCREW SIZES:



OUR BASE IS REALLY TAKING  
SHAPE NOW.



THIS ASSEMBLY REQUIRES:

1-J  
1-KK

2-X

2-Y

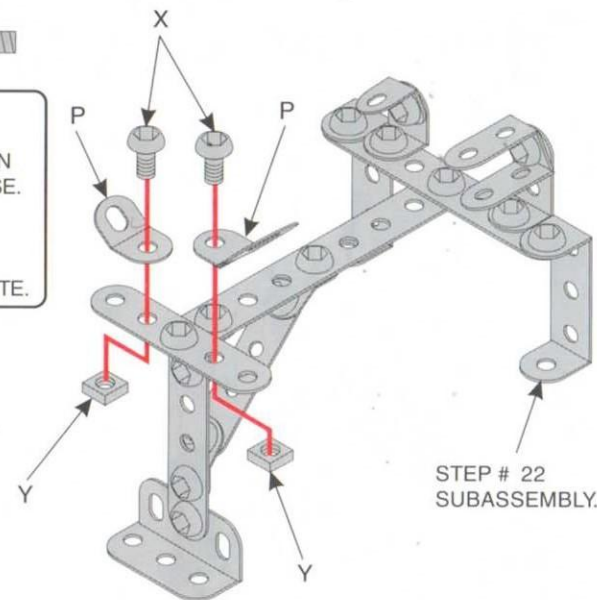
**22**

SCREW SIZES:



THE FRONT ANGLES,  
PART "P" WILL CRADLE  
THE ENTERPRISE WHEN  
IT ARRIVES AT THE BASE.

GREAT JOB FELLOW  
STEEL TEC BUILDERS.  
STAR BASE IS COMPLETE.



THIS ASSEMBLY REQUIRES:

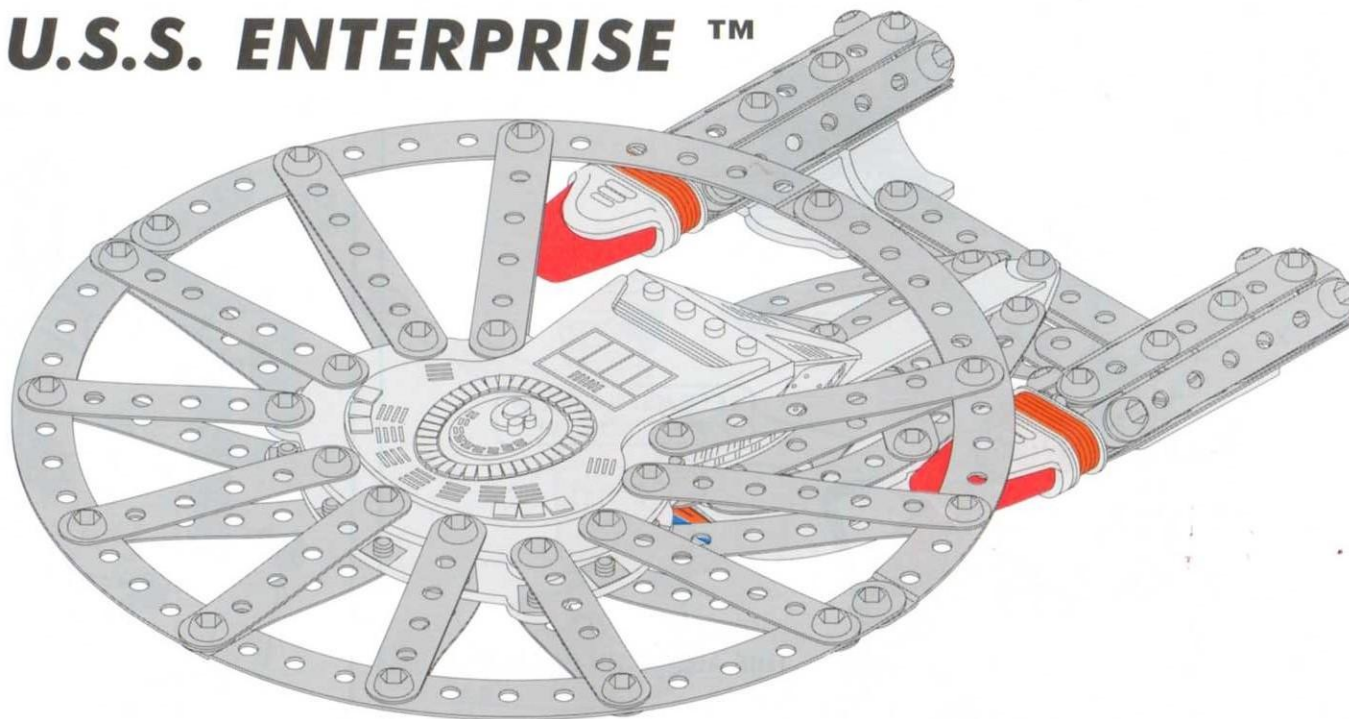
2-P

2-X

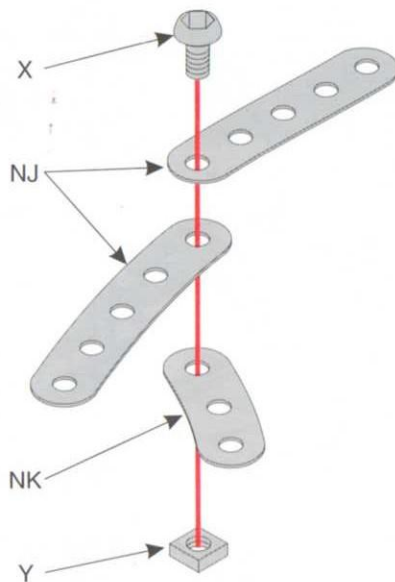
2-Y

## U.S.S. ENTERPRISE™

NOW LET'S BUILD THE STARSHIP  
ENTERPRISE.



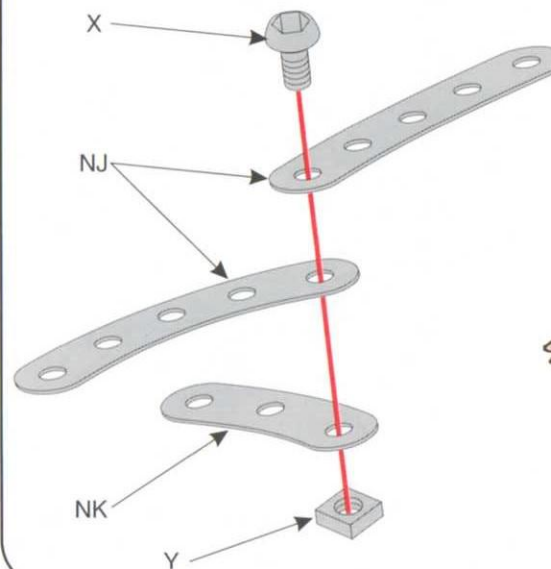


**23** SCREW SIZES:

WE WILL START THE ENTERPRISE BY ASSEMBLING THESE THREE GIRDERS.

**THIS ASSEMBLY REQUIRES:**

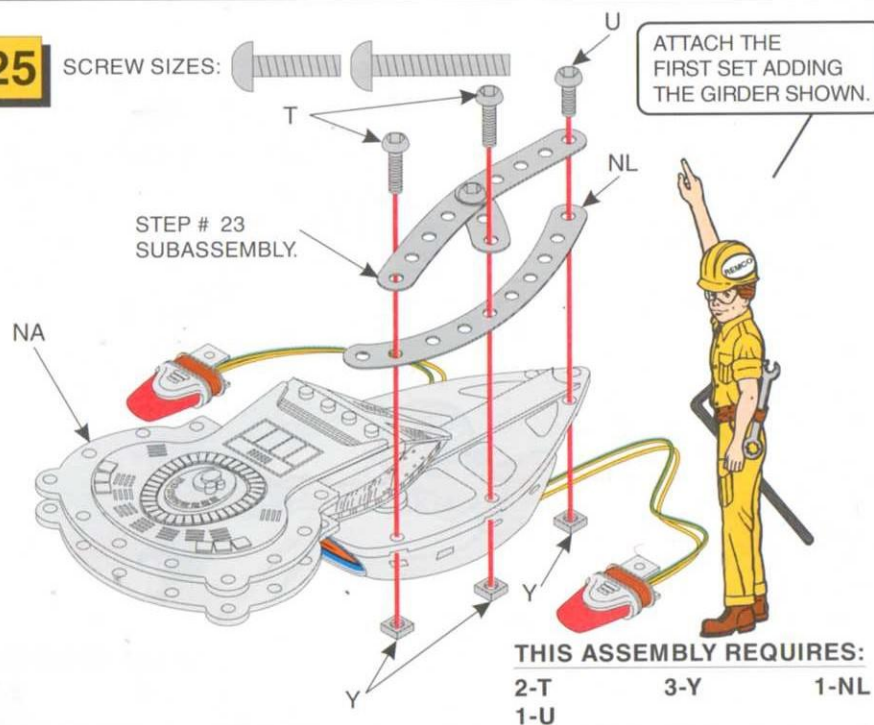
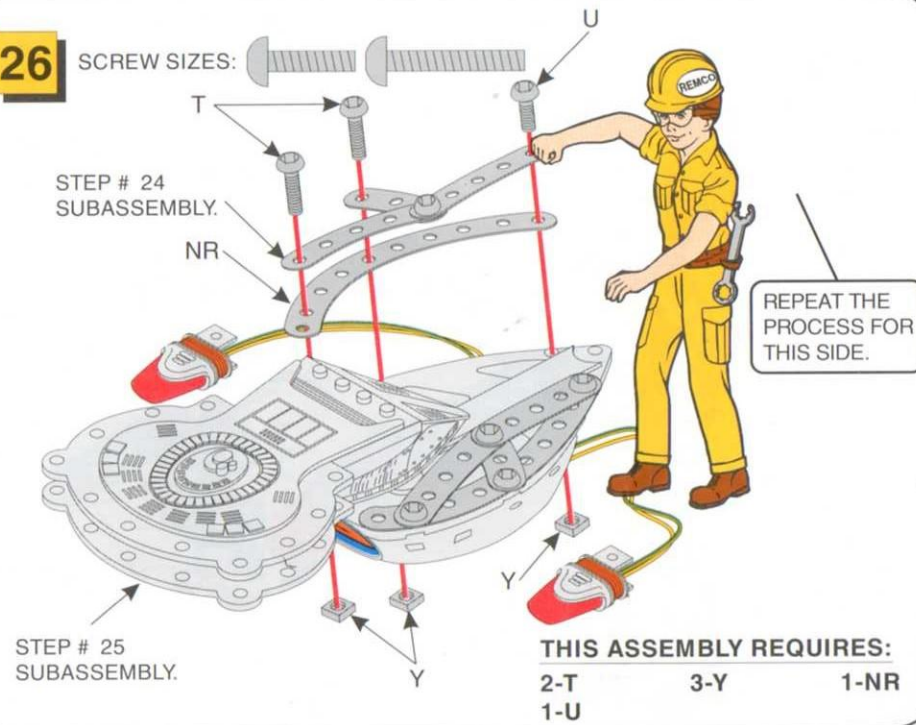
1-X      2-NJ      1-NK  
1-Y

**24** SCREW SIZES:

NOW REPEAT THE PROCESS WITH THE GIRDERS FOR THE OTHER SIDE.

**THIS ASSEMBLY REQUIRES:**

1-X      2-NJ      1-NK  
1-Y

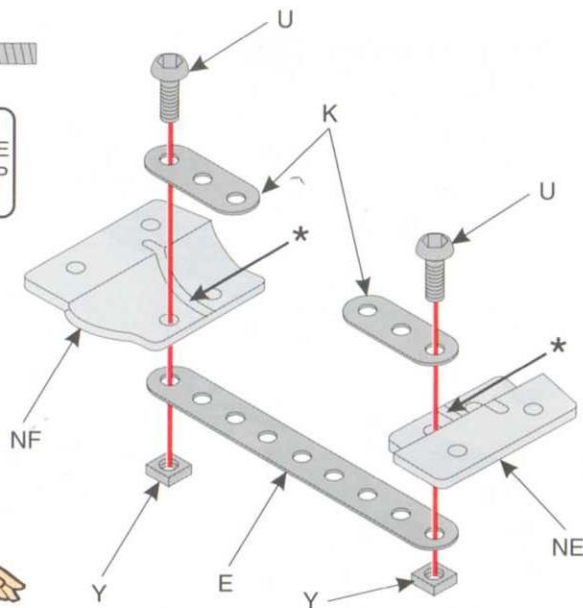
**25** SCREW SIZES:**26** SCREW SIZES:

**27**

SCREW SIZES:



NOTE THE GROVES MARKED \* IN PARTS "NF" AND "NE". THEY ARE WIRE TRACKS USED BY OUR WARP ENGINES.



THIS ASSEMBLY REQUIRES:

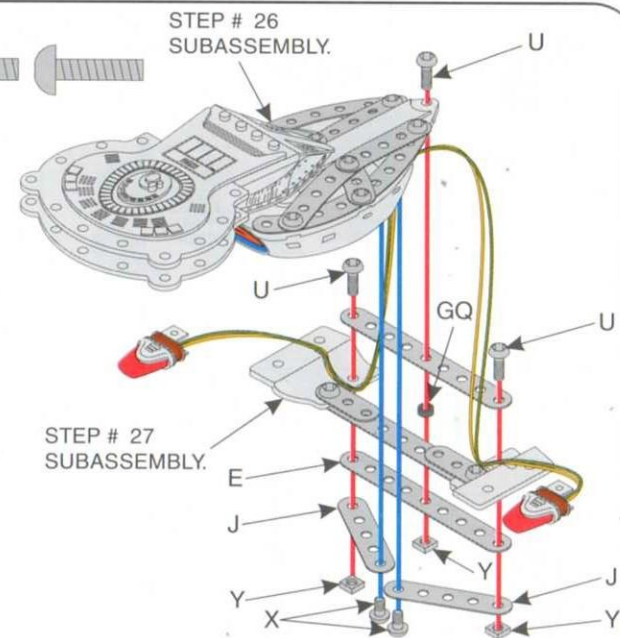
1-E	2-U	1-NE
2-K	2-Y	1-NF

**28**

SCREW SIZES:



BE SURE TO PUT THE WARP ENGINE WIRES WE NOTED IN STEP # 27 INTO THE GROVES.



THIS ASSEMBLY REQUIRES:

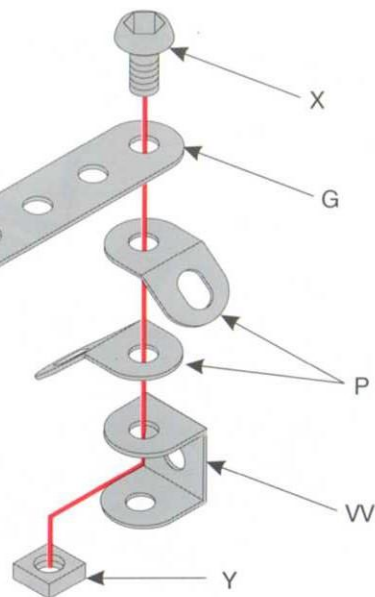
2-E	3-U	2-X
2-J	3-Y	1-GQ

**29**

SCREW SIZES:



BUILD TWO OF THESE.



THIS ASSEMBLY REQUIRES:

2-G	2-X	2-VV
4-P	2-Y	

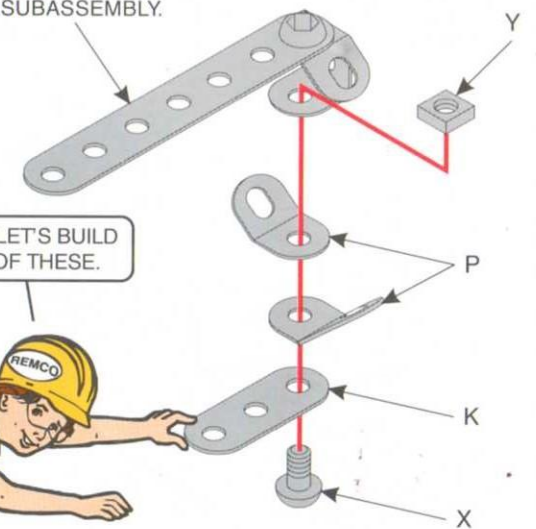
**30**

SCREW SIZES:



STEP # 29 SUBASSEMBLY.

NOW LET'S BUILD TWO OF THESE.



THIS ASSEMBLY REQUIRES:

2-K	2-X	2-Y
4-P		



**31**

SCREW SIZES:

STEP # 30  
SUBASSEMBLY.

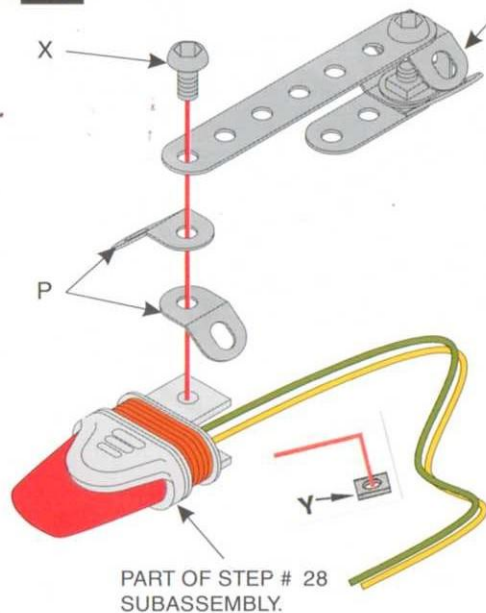
ATTACH THE WARP  
ENGINE FRONT TO  
BOTH ENGINE  
STRUCTURES WE  
BUILT IN STEP # 30.

**THIS ASSEMBLY REQUIRES:**

4-P

2-X

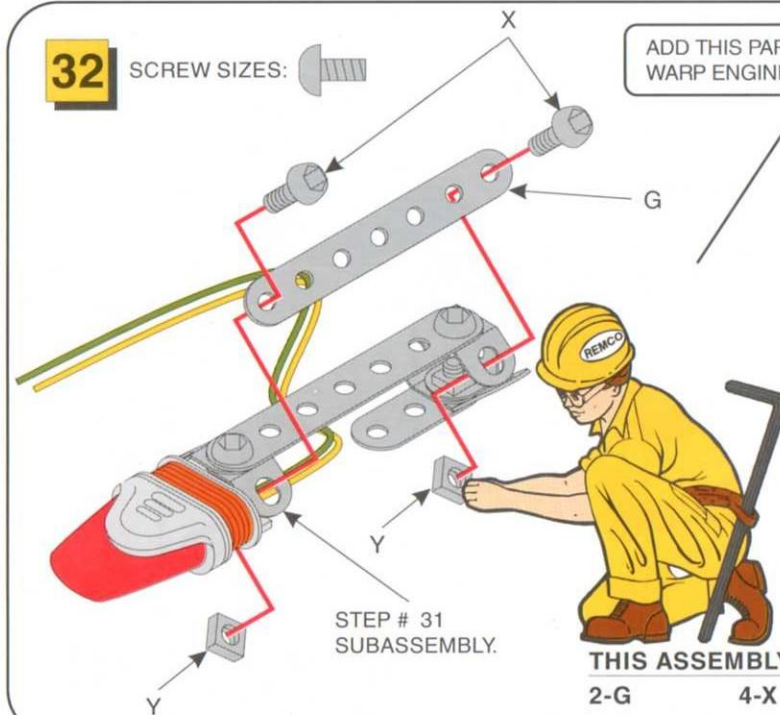
2-Y

PART OF STEP # 28  
SUBASSEMBLY.**32**

SCREW SIZES:



ADD THIS PART TO BOTH  
WARP ENGINE STRUCTURES.

STEP # 31  
SUBASSEMBLY.**THIS ASSEMBLY REQUIRES:**

2-G

4-X

4-Y

**33**

SCREW SIZES:

STEP # 32  
SUBASSEMBLY.

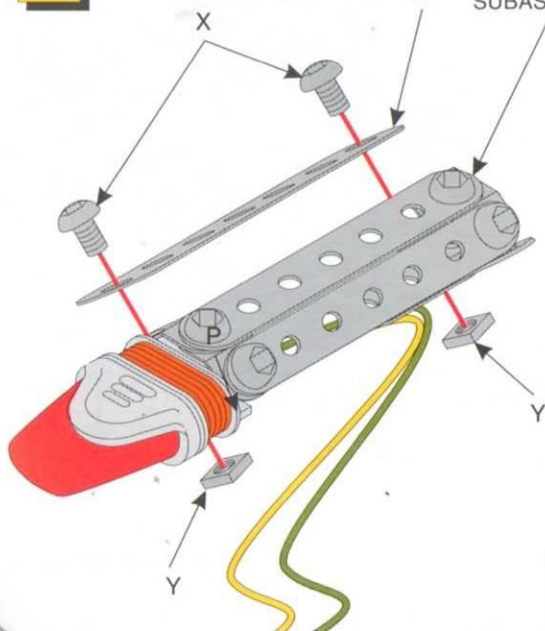
BUILD TWO OF THESE.

**THIS ASSEMBLY REQUIRES:**

2-G

4-X

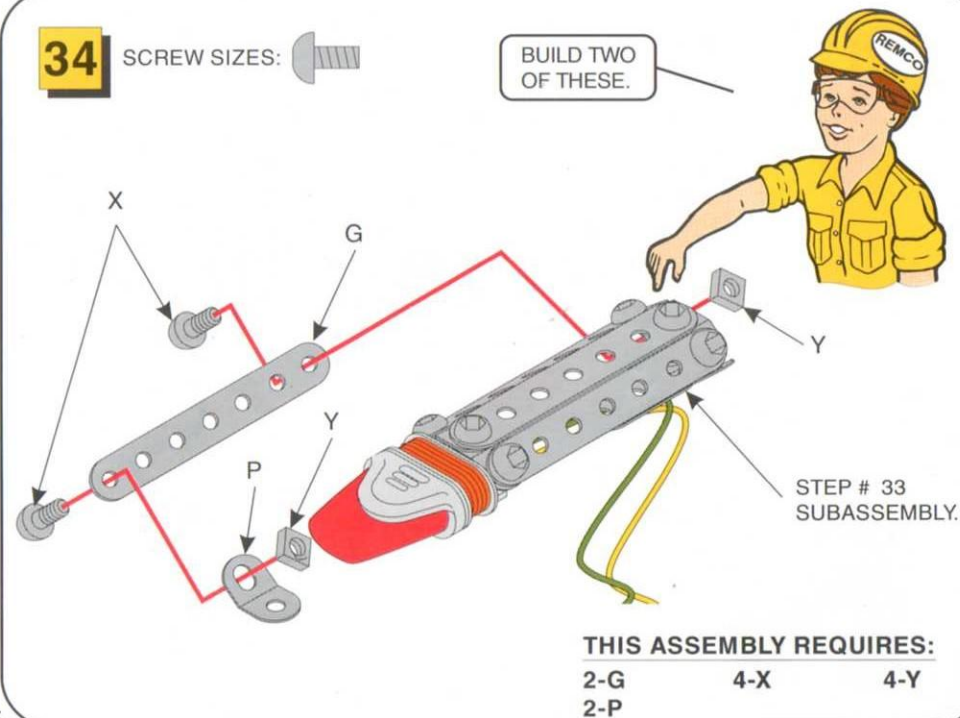
4-Y

**34**

SCREW SIZES:



BUILD TWO OF THESE.

STEP # 33  
SUBASSEMBLY.**THIS ASSEMBLY REQUIRES:**

2-G

4-X

4-Y

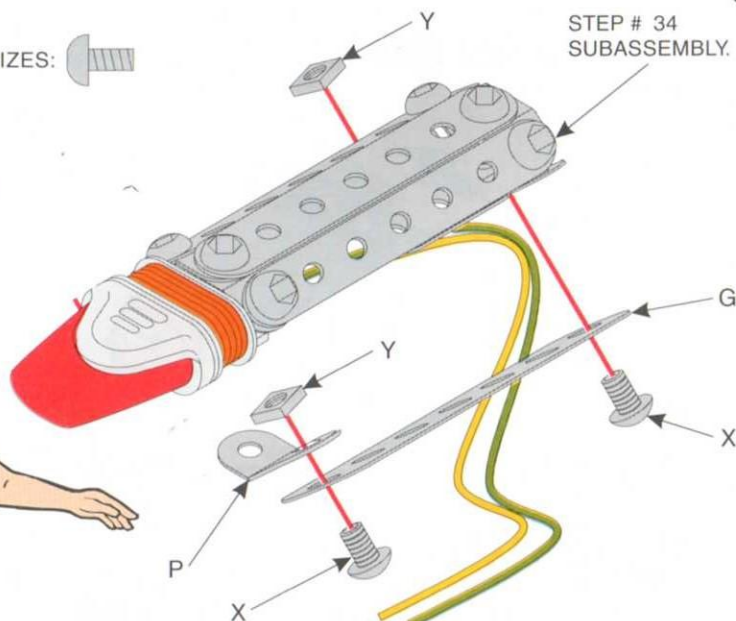
2-P

**35**

SCREW SIZES:



ADD THESE TO BOTH WARP ENGINES.



THIS ASSEMBLY REQUIRES:

2-G  
2-P

4-X

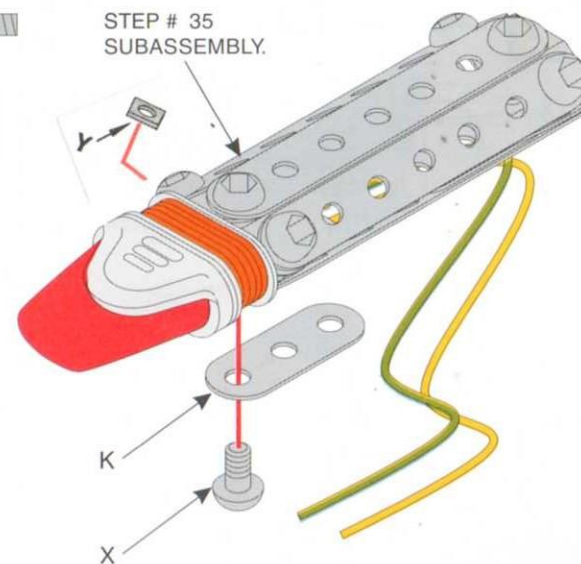
4-Y

**36**

SCREW SIZES:



JUST ONE MORE GIRDER TO ADD TO BOTH OF OUR WARP ENGINES.



THIS ASSEMBLY REQUIRES:

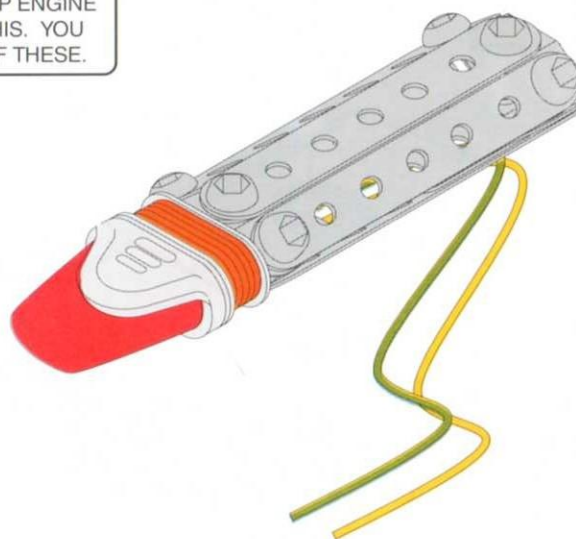
2-K

2-X

2-Y

**37**

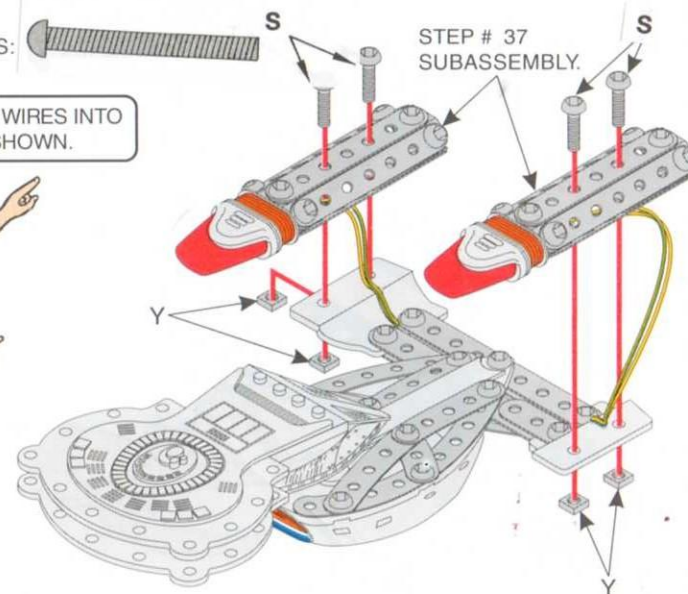
THE COMPLETED WARP ENGINE SHOULD LOOK LIKE THIS. YOU SHOULD HAVE TWO OF THESE.

**38**

SCREW SIZES:



LAY THE WARP ENGINE WIRES INTO THE WIRE TRACKS AS SHOWN.



THIS ASSEMBLY REQUIRES:

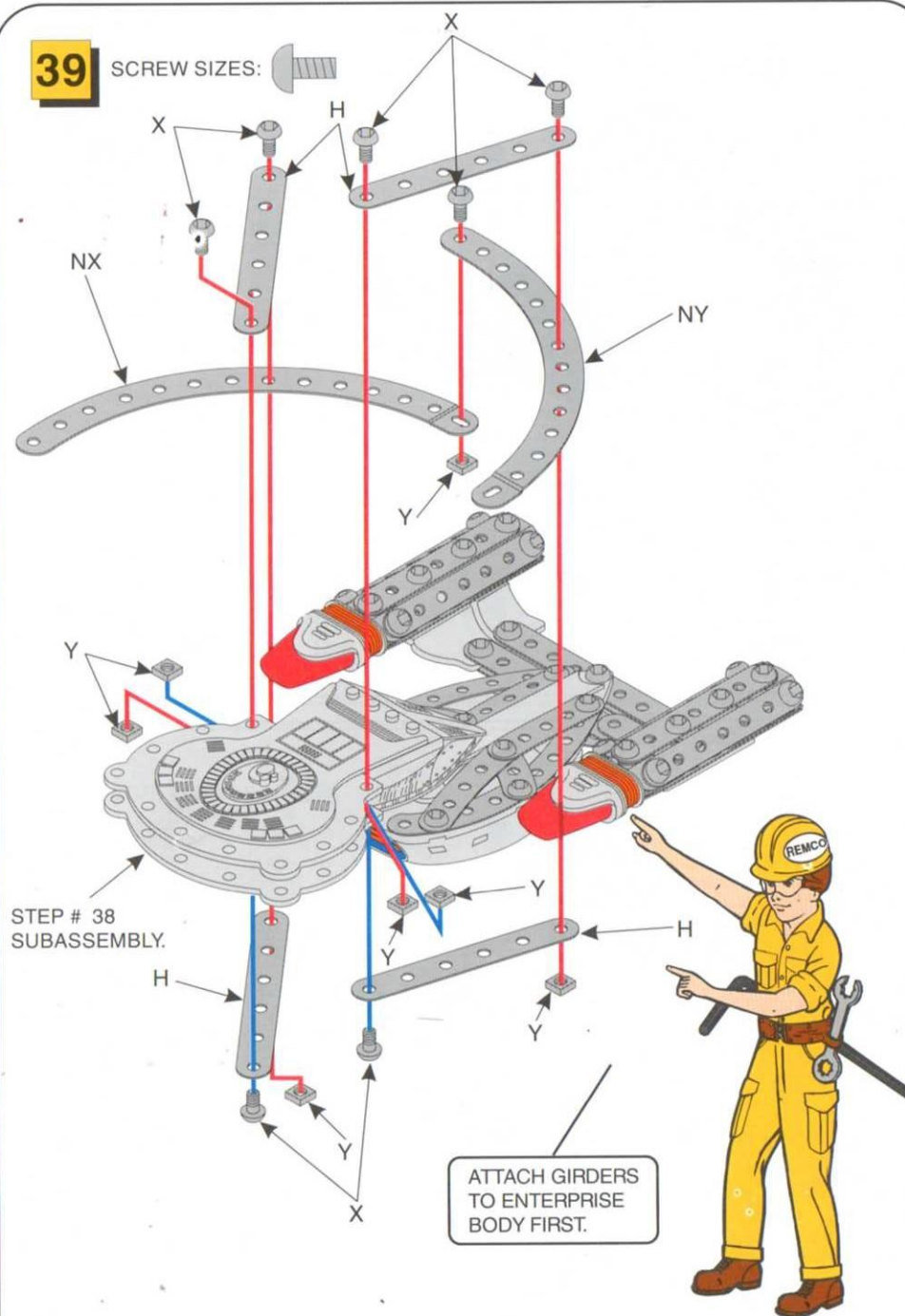
4-S

4-Y



**39**

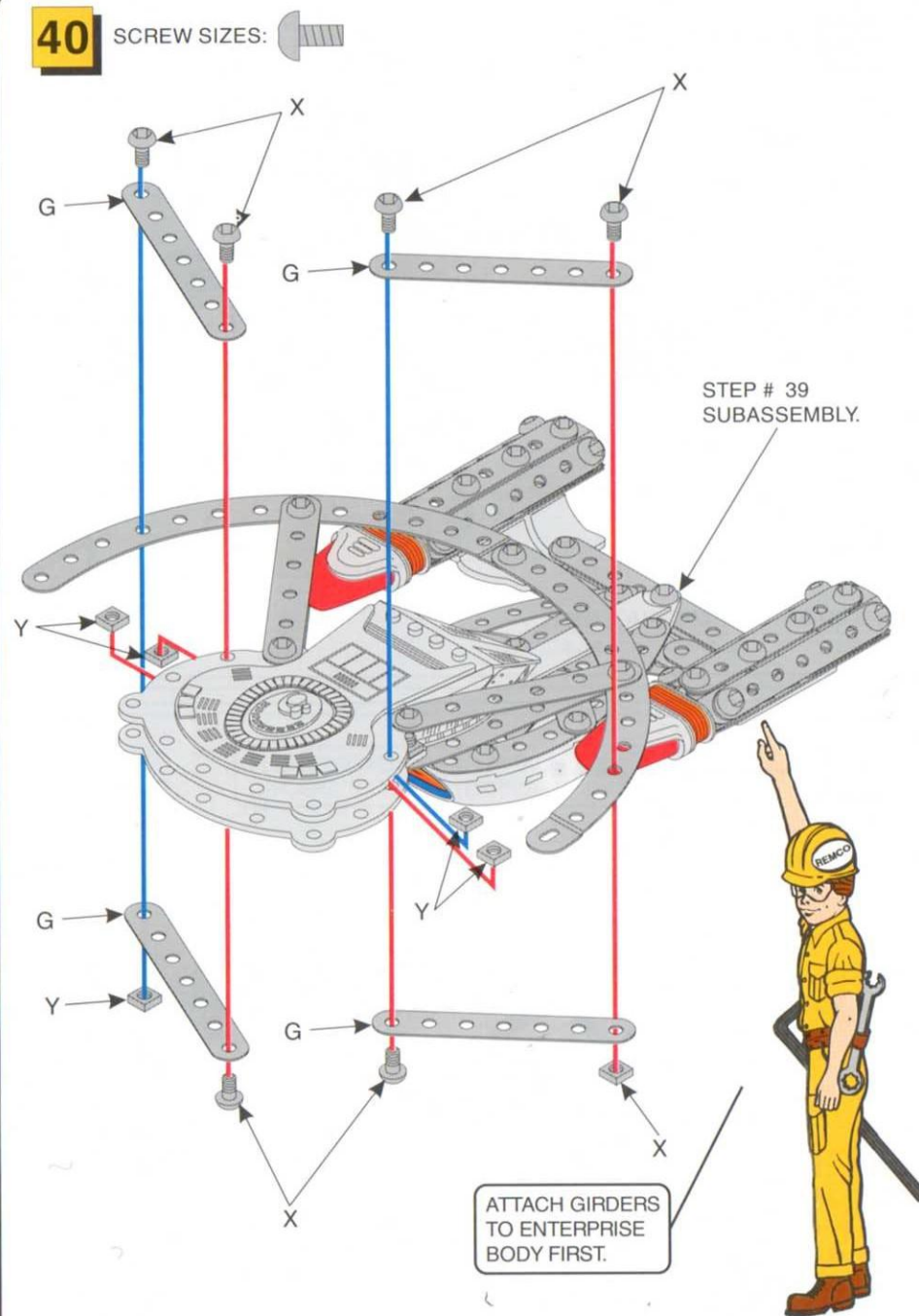
SCREW SIZES:

**THIS ASSEMBLY REQUIRES:**

4-H	7-Y	1-NY
7-X	1-NX	

**40**

SCREW SIZES:

**THIS ASSEMBLY REQUIRES:**

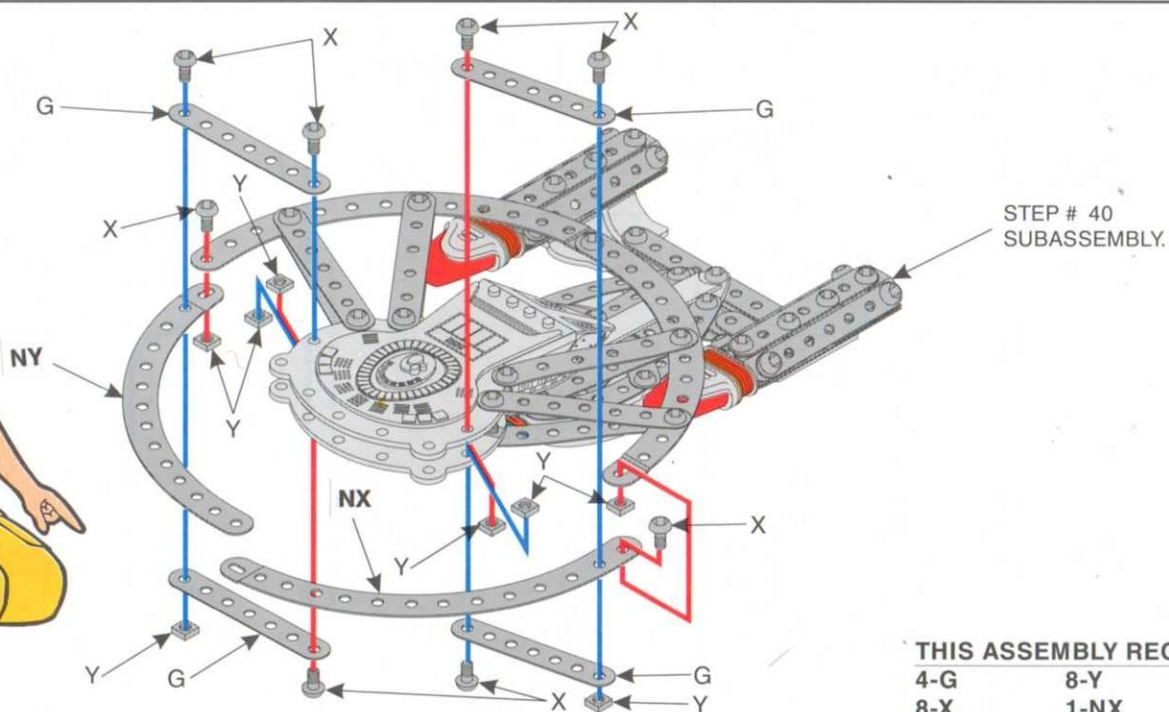
4-G	6-X	6-Y
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**41**

SCREW SIZES:



ATTACH GIRDERS TO THE  
ENTERPRISE BODY FIRST.



THIS ASSEMBLY REQUIRES:

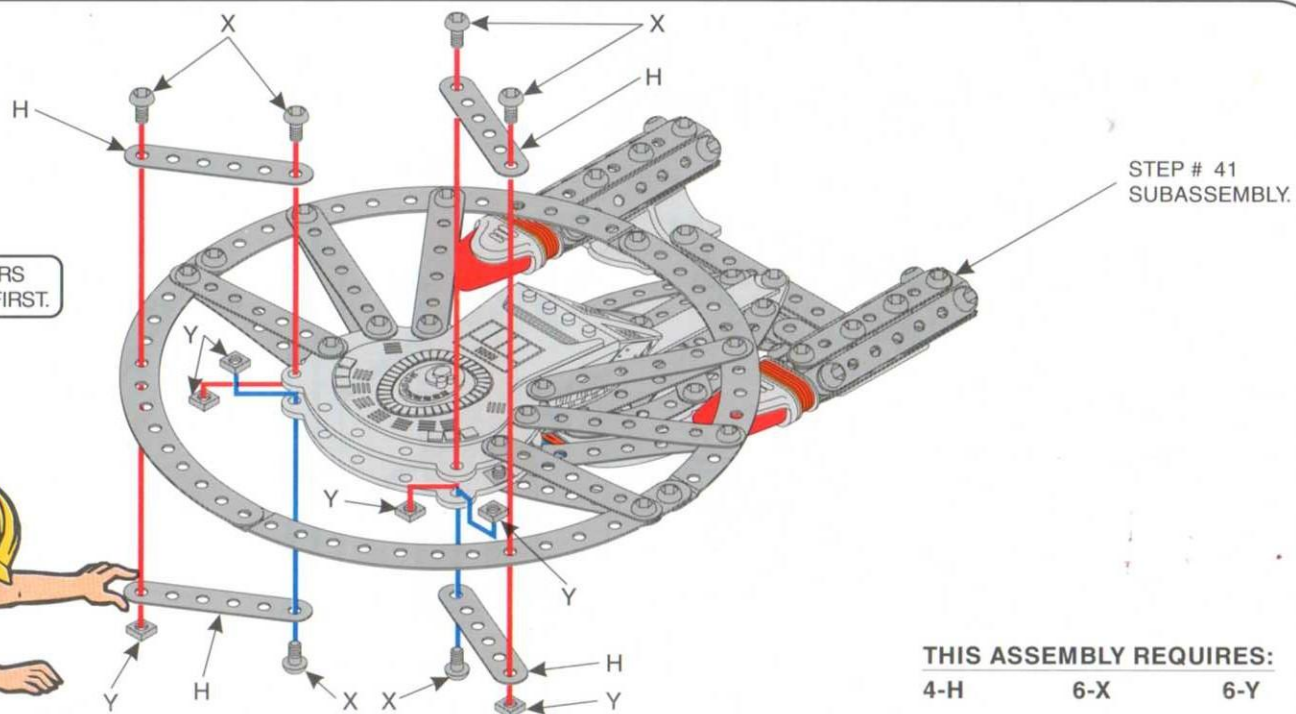
4-G	8-Y	1-NY
8-X	1-NX	

**42**

SCREW SIZES:



ONCE AGAIN ATTACH GIRDERS  
TO THE ENTERPRISE BODY FIRST.



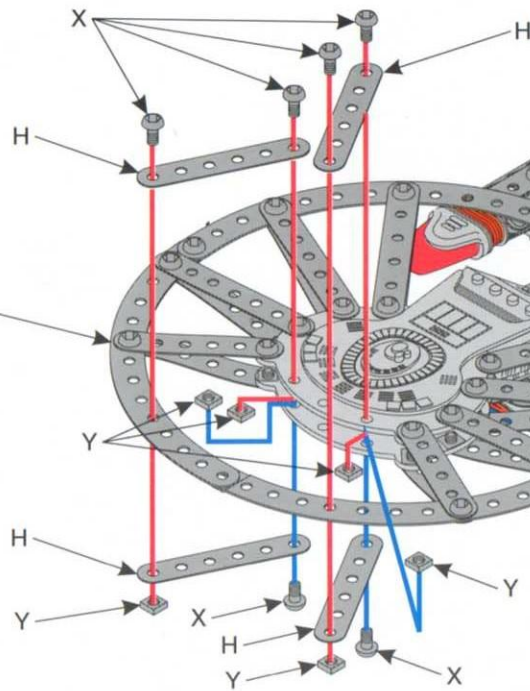
THIS ASSEMBLY REQUIRES:

4-H	6-X	6-Y
-----	-----	-----



**43**

SCREW SIZES:

STEP # 42  
SUBASSEMBLY.ATTACH GIRDERS TO THE  
ENTERPRISE BODY FIRST.**THIS ASSEMBLY REQUIRES:**

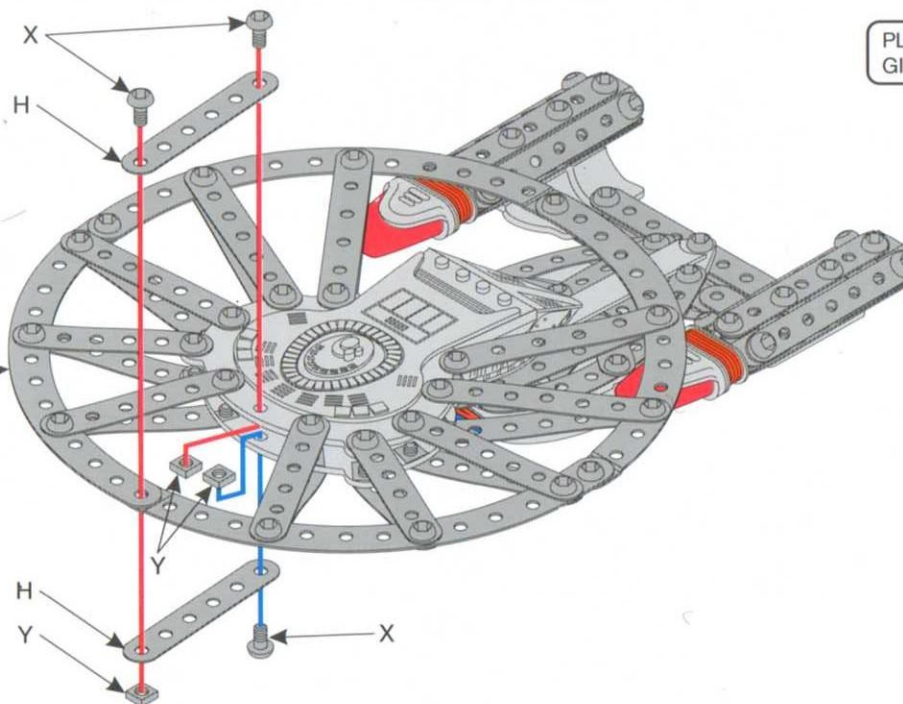
4-H

6-X

6-Y

**44**

SCREW SIZES:

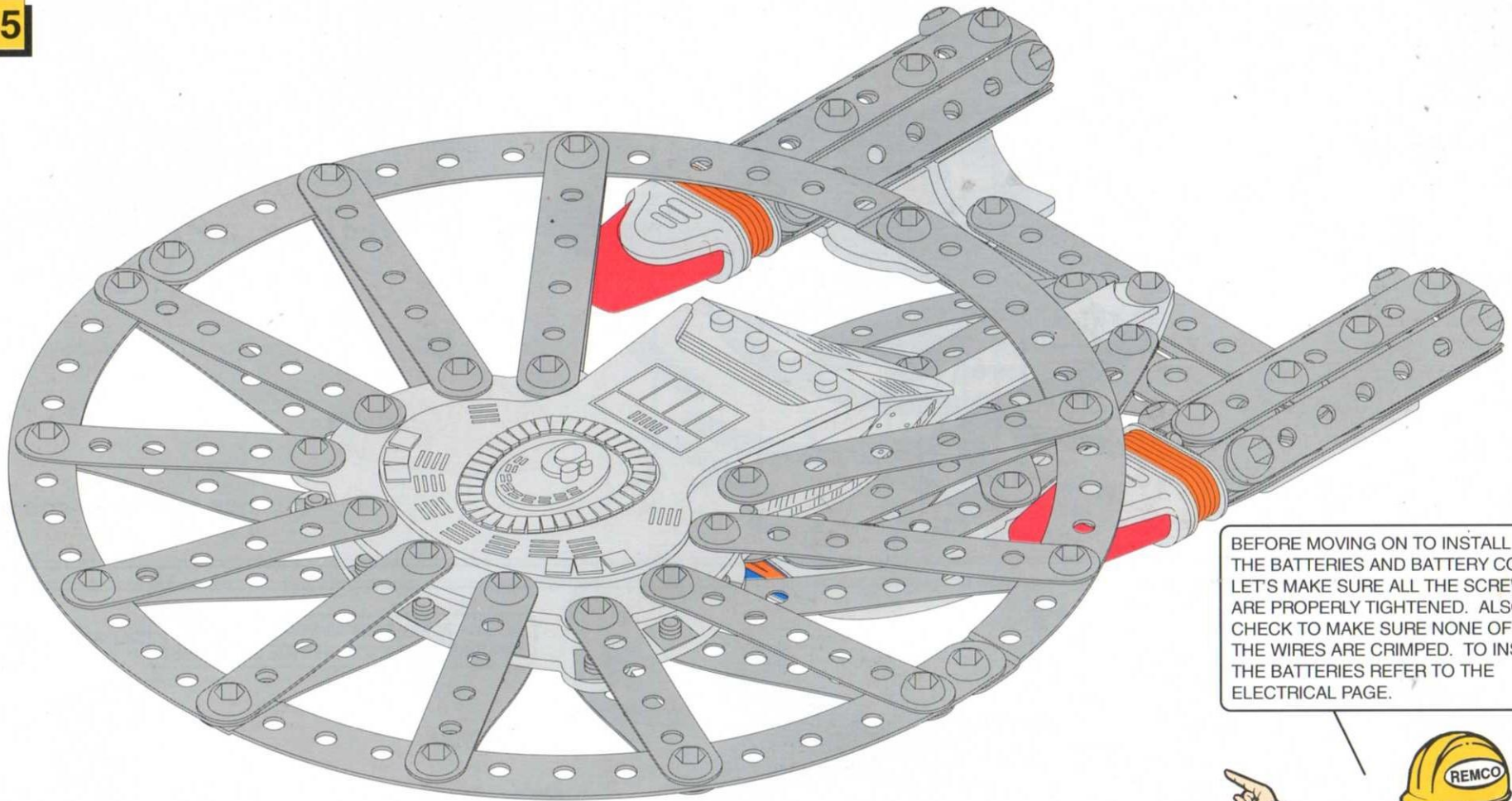
STEP # 43  
SUBASSEMBLY.PLEASE REMEMBER TO ATTACH THE  
GIRDERS TO THE ENTERPRISE BODY FIRST.**THIS ASSEMBLY REQUIRES:**

2-H

3-X

3-Y

45



BEFORE MOVING ON TO INSTALL THE BATTERIES AND BATTERY COVER LET'S MAKE SURE ALL THE SCREWS ARE PROPERLY TIGHTENED. ALSO CHECK TO MAKE SURE NONE OF THE WIRES ARE CRIMPED. TO INSTALL THE BATTERIES REFER TO THE ELECTRICAL PAGE.



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