

MAXX STEELE<sup>™</sup> is a fearless robot you construct and command. His electric motors and remote control unit let you move him right, left, forward, back or in circles. His left arm can pick up iron and steel with its magnetic disk. You control the grasping fingers of his right hand to grab objects of all kinds. MAXX<sup>™</sup> can be made into many different robots and machines. These instructions include plans for MAXX and three alternate models. Use your imagination to make many more! Motorized MAXX STEELE is the perfect addition to your favorite action figures, motor vehicles or other models from the ERECTOR<sup>®</sup> Construction System.

### ERECTOR MEANS BUILDING

Your Erector<sup>®</sup> Construction System will provide you many hours of building excitement. Whether you're building the models shown in these instructions or creating your own, there's lots of discovery and fun with Erector.

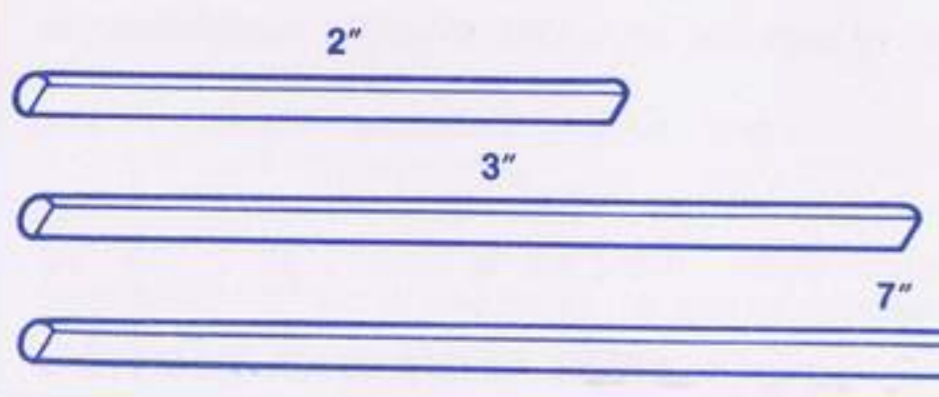
### HOW TO BEGIN

First, read through this introduction carefully. It will explain the way the pieces go together and other important things you'll need to know, such as: attaching the wheels, connecting the motors and making your robot move. When you're ready to start building, pick the model you want to build and simply follow the pictures.

### Axles

The axles are pieces that hold the wheels in place on the chassis and turn the wheels. There are 4 different sizes of axles, but you may not have all 4 in your set. Use the chart to sort your axles.

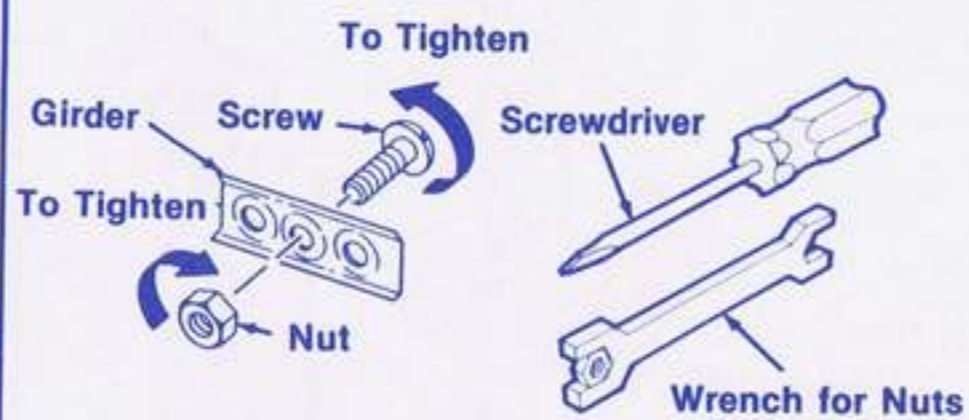
Shown at full size.



### BASIC ASSEMBLY TECHNIQUES

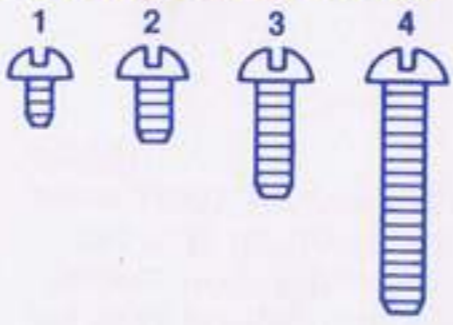
#### Nut & Screw Assembly

Your Erector models are mostly put together with nuts and screws. Put the screw through the 2 or more parts you want to connect. Fit a nut on the end of the screw and tighten by turning the screw clockwise. Use the screwdriver to turn the screw, and the wrench to hold the nut in place.



You have 4 different length screws. Most of the time use the No. 2 screw. Use No. 3 or No. 4 screws when you need a longer one. Use the No. 1 screw only with the disc or pulley to hold axles in place.

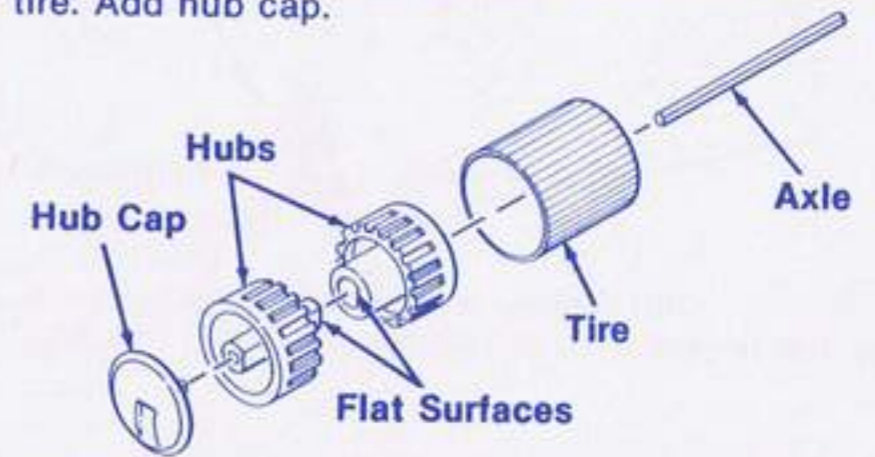
#### Key to SCREW SIZES



Shown at full size. Screw sizes are noted at each step.

### Tires and Hubs

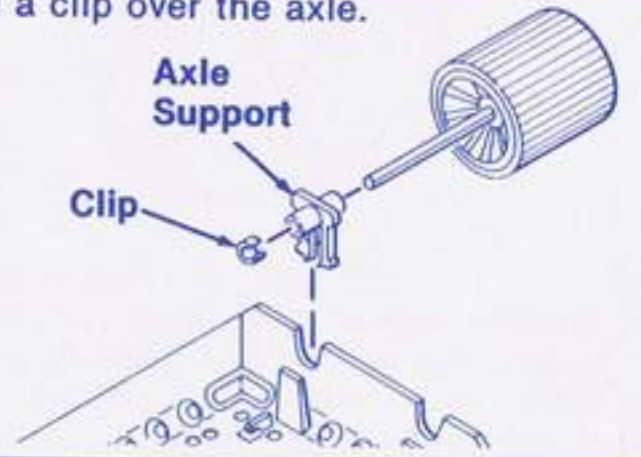
Fit the flat surface of each hub together. Slide the hub inside the tire, then slide an axle through the hub and tire. Add hub cap.



### ATTACH WHEELS TO CHASSIS

Axle supports connect the axles to the chassis. Snap axle support in place as shown. Be sure that the flat side of the axle support fits against the inside wall of the chassis.

Put axle through the support and hold it in place by snapping a clip over the axle.

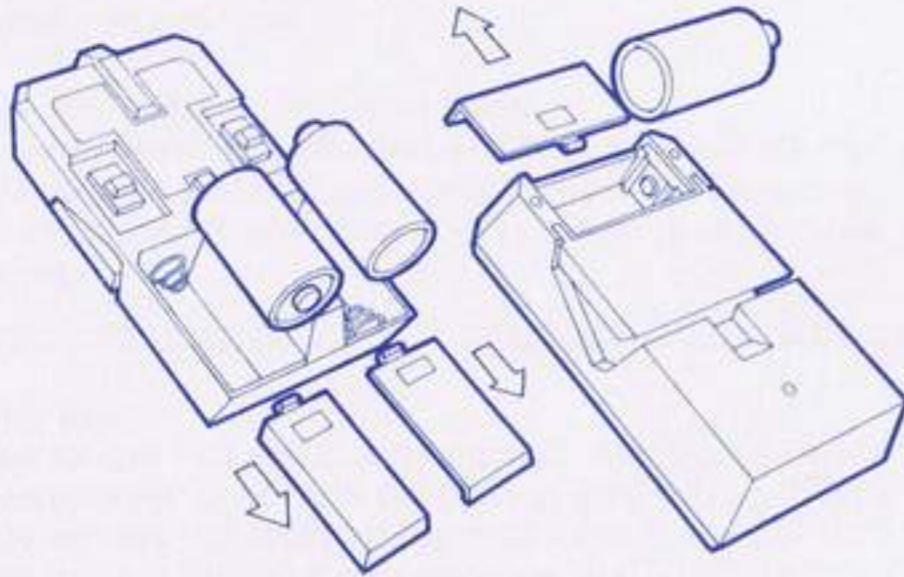


## REMOTE CONTROL UNIT

Slide doors off. Install two D-cell batteries as shown. Put one D-cell battery in the back compartment. Replace doors.

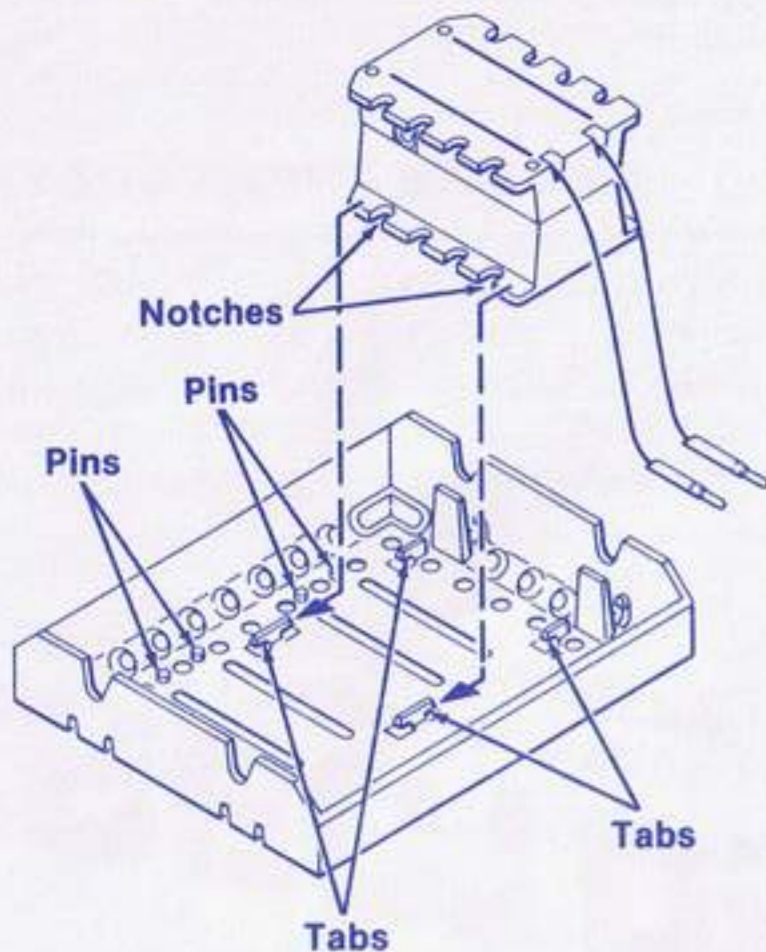
3 D-cell Batteries Required. (Not included.)

**IMPORTANT: OBSERVE BATTERY POLARITY.**

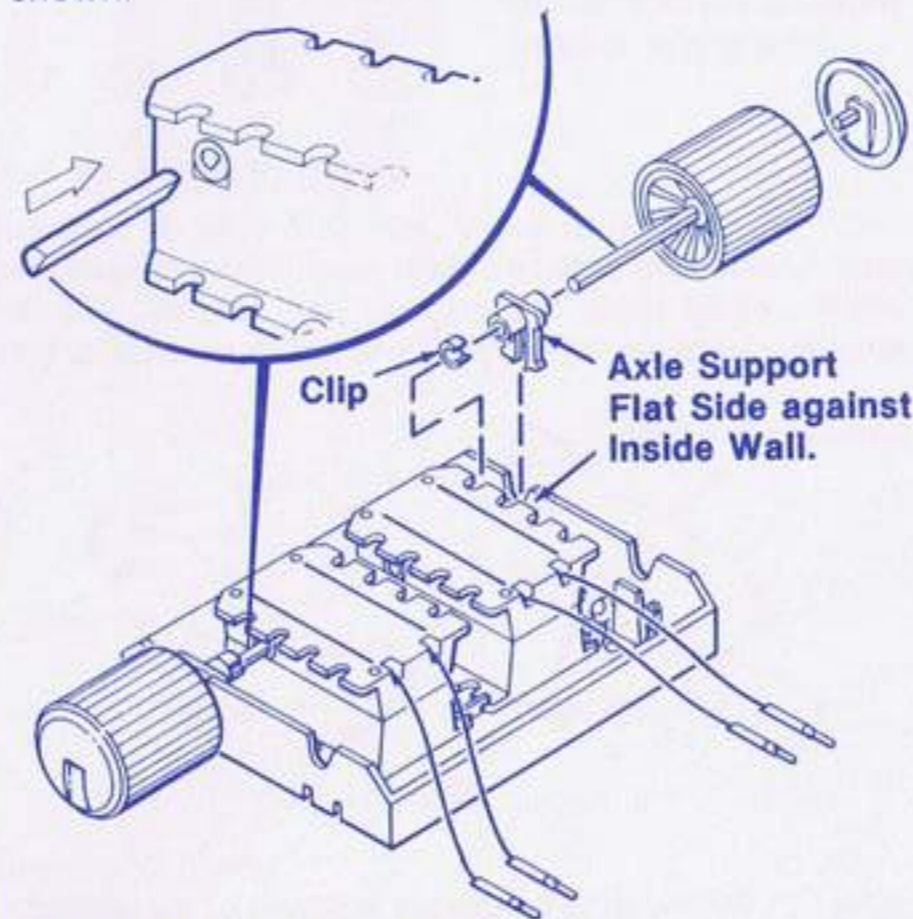


## ATTACH MOTOR TO CHASSIS

Install motors as shown. Make sure they lock in place and sit up against pins.



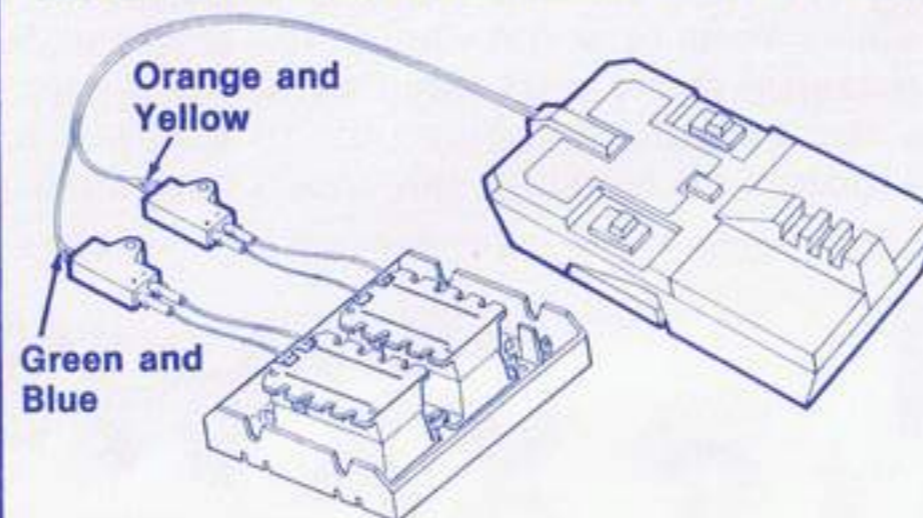
When you have the motors in this position, snap axle supports in place as shown. Be sure the flat side of the axle support fits against the inside wall of the chassis. With flat side of axle aligned with flat side of the hole in the motor, slide axles and connected wheels through axle supports and into motor case as shown.



## REMOTE CONTROL

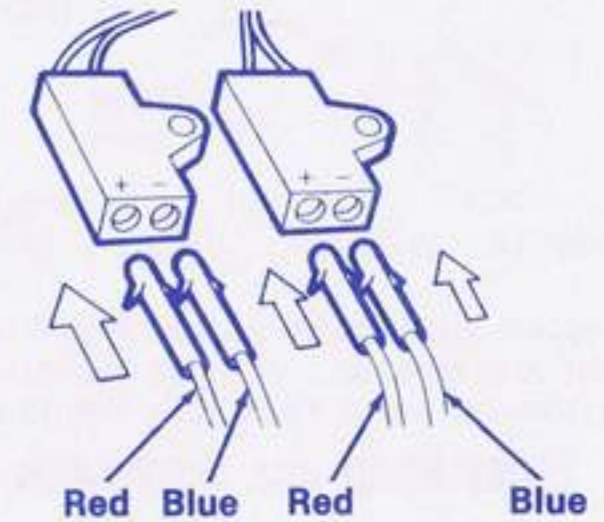
The orange and yellow wires coming from the Remote Control Unit are controlled by the right hand switch on the unit and should be connected to the right motor.

The green and blue wires coming from the Remote Control Unit are controlled by the left hand switch on the unit and should be connected to the left motor.



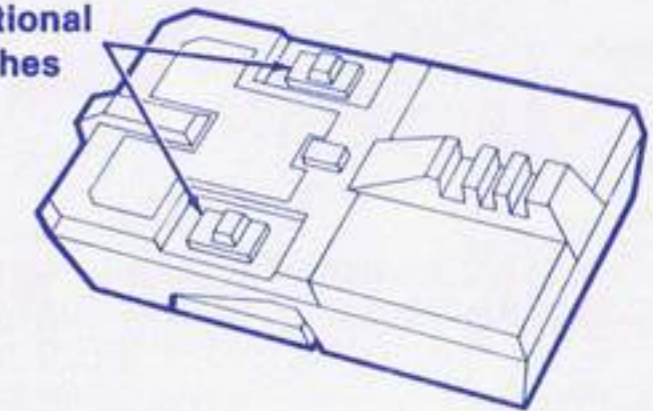
If you turn on the right-switch and the left motor moves, reverse the plugs.

Look at the black plugs on the ends of the remote control wires. They are marked "+" (positive) and "-" (negative). Start by connecting the red wires from the motors to the "+" sides of the plugs and the blue wires to the "-" sides. If your model doesn't move the way you want it to when you turn on the motors, reverse the connections. (Plug the blue wires into the "+" and the red wires into the "-").

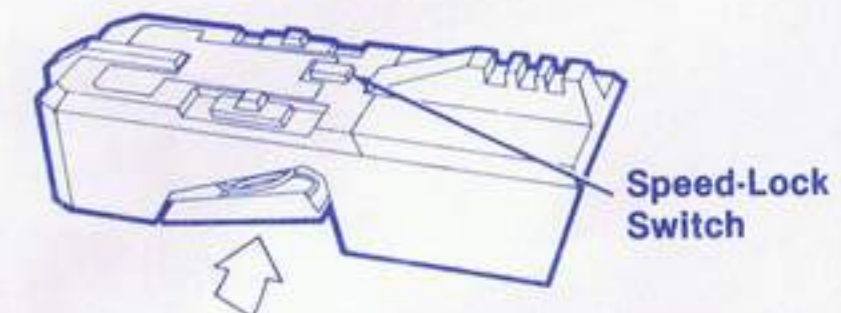


Pushing the switches on the top forward and back controls the direction the motors run.

Directional Switches



The lever on the bottom varies the speed. Push it in to increase the speed, let it out to slow down. The Speed-Lock switch on the top locks the motors on in the fastest setting. To use it, push the lever on the bottom all the way in, then push the Speed-Lock switch forward.

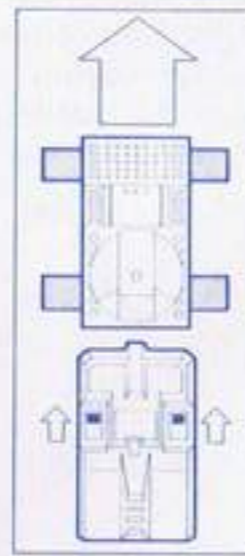


### **DRIVING BOTH SWITCHES IN "FORWARD"**

Model moves ahead fast.

#### **NOTE:**

Our models will move best on smooth floors. Running large models on carpet may drain batteries.

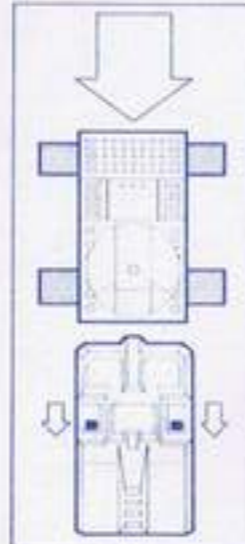


### **BOTH SWITCHES IN "REVERSE"**

Model moves backwards fast.

If your model won't move:

1. Lift it up so the wheels are off the table and try it again. If the wheels move, the batteries may be low or your model may be too heavy or unbalanced.



### **ONE SWITCH IN "FORWARD," ONE SWITCH IN "OFF"**

Model turns slowly in the opposite direction of the "forward" switch.

2. If the wheels still don't turn, pull the axles out of the motor and turn on again. If your motors work, check to see that you have the right axle support in place and that nothing is putting tension on the axle.



### **ONE SWITCH IN "FORWARD," ONE IN "REVERSE"**

Model turns sharply in the opposite direction of the "forward" switch.

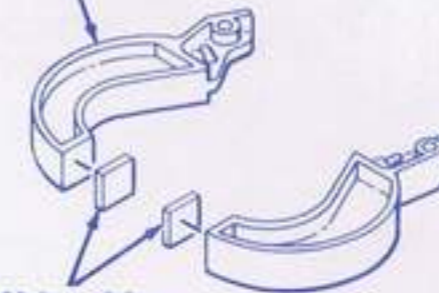
3. If nothing happens then, check all connections.
4. If the connections are right and nothing happens, check the batteries. Are they in correctly? Are they worn out? We recommend alkaline batteries for longest use.



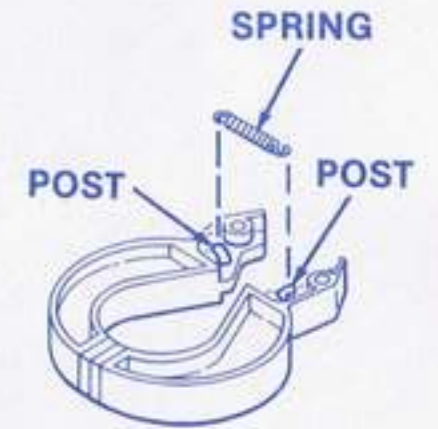
### **ASSEMBLY OF ROBOT ARM**

1. Place 2 CLAW SECTIONS flat on the table. Attach each end of SPRING to POST on each CLAW SECTION.

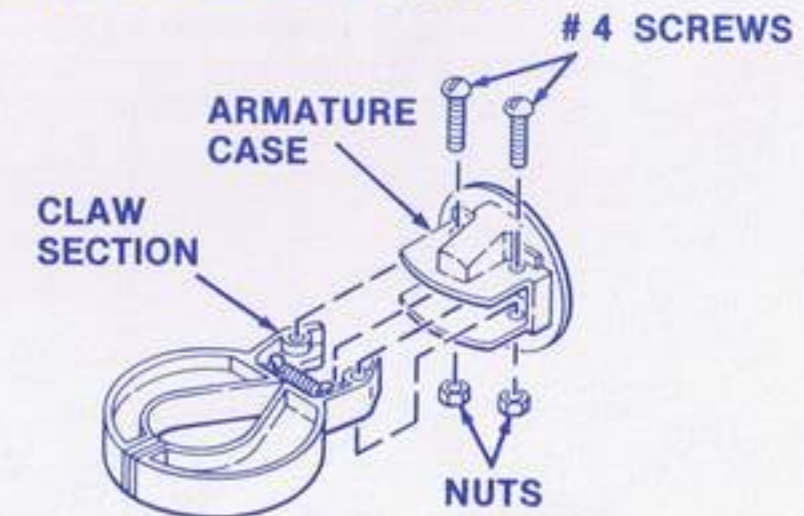
CLAW SECTION



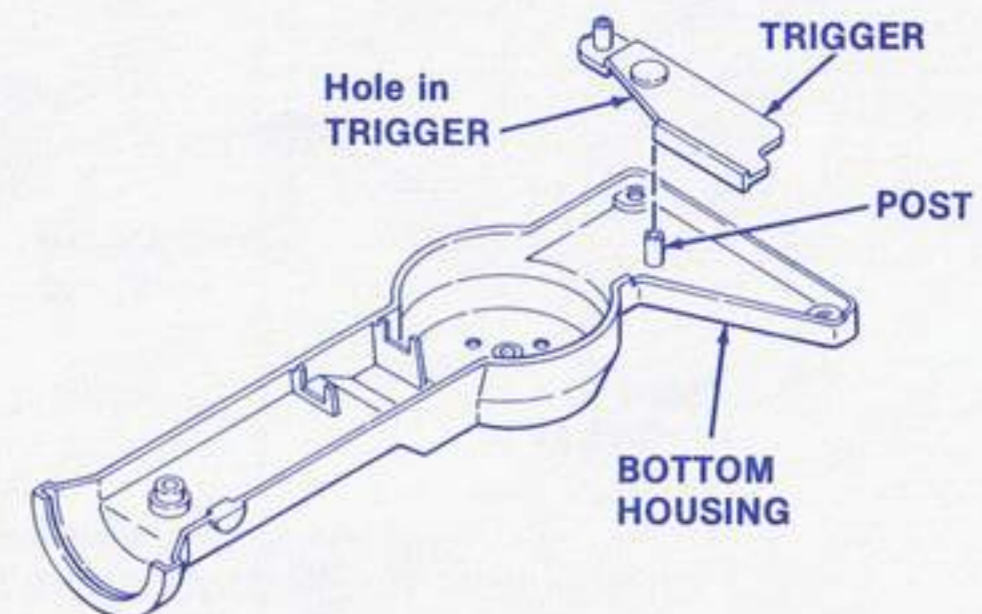
Peel off backing and apply as shown.



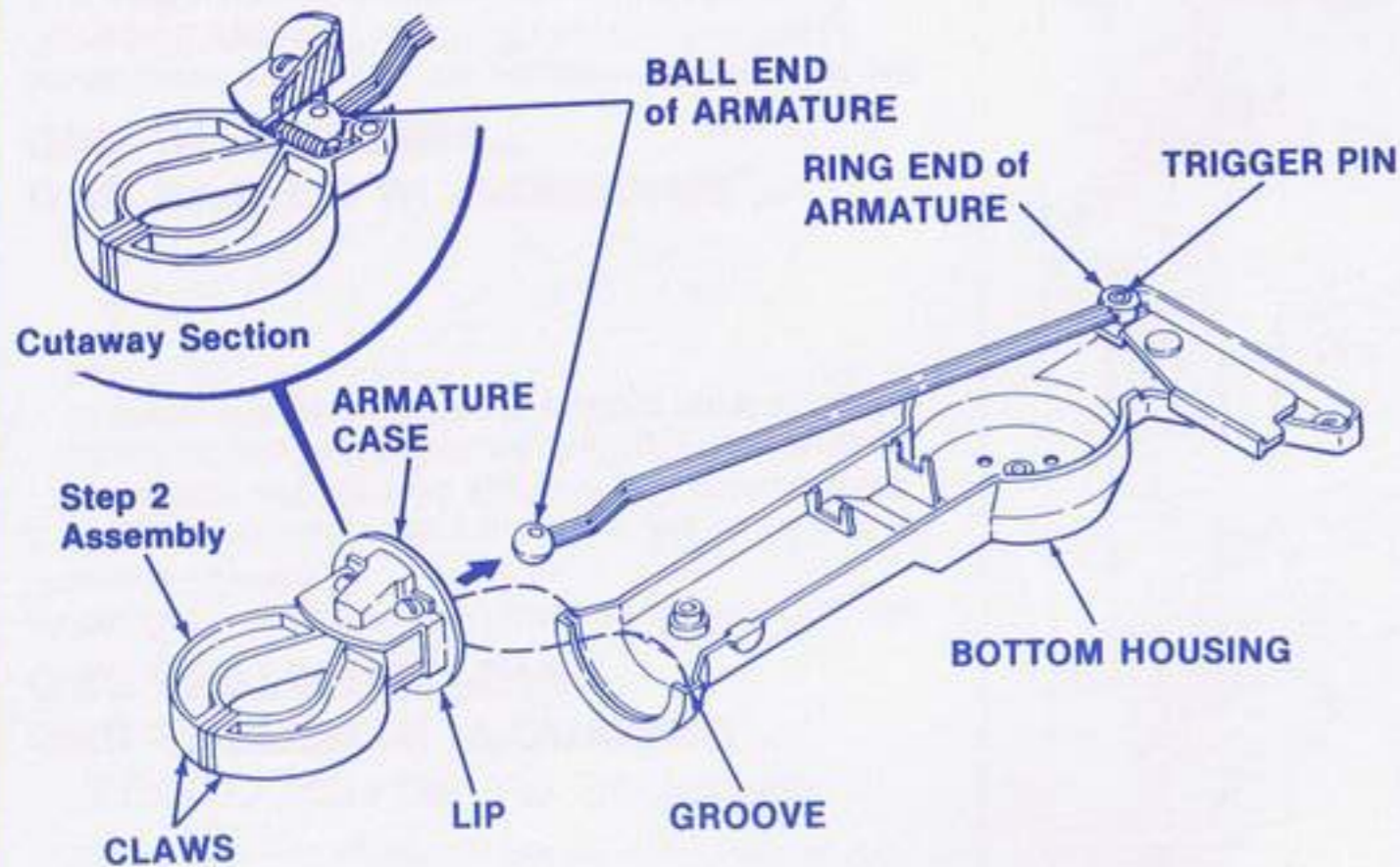
2. Slip ARMATURE CASE over rear of CLAW SECTION. Secure ARMATURE CASE with 2 SCREWS and NUTS.



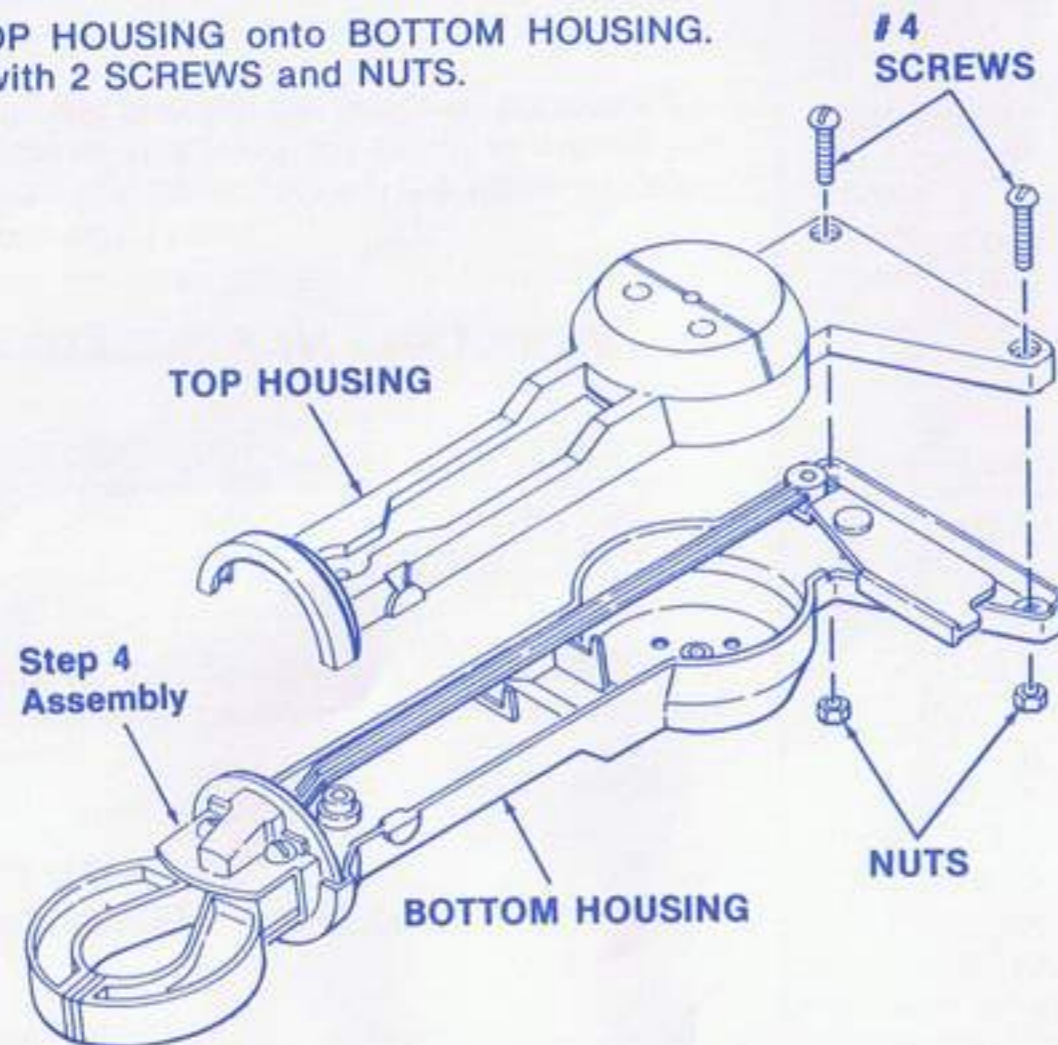
3. Place HOLE in TRIGGER over POST in BOTTOM HOUSING.



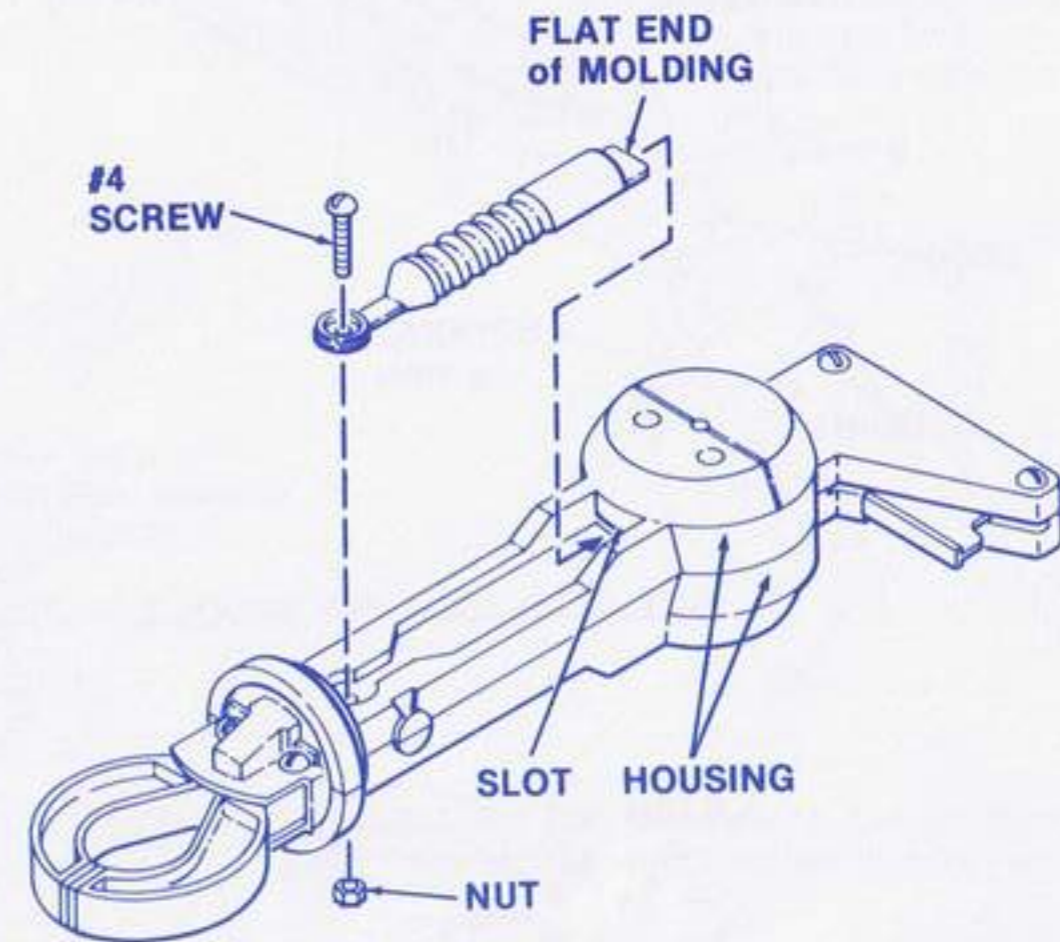
4. Apply a thin coating of grease or vasoline to the BALL END of the ARMATURE. Place ARMATURE into BOTTOM HOUSING with RING END of ARMATURE over TRIGGER PIN. Lift BALL END of ARMATURE slightly and slip it into the rear of the ARMATURE CASE and CLAWS. Lower LIP of ARMATURE CASE into GROOVE of BOTTOM HOUSING.



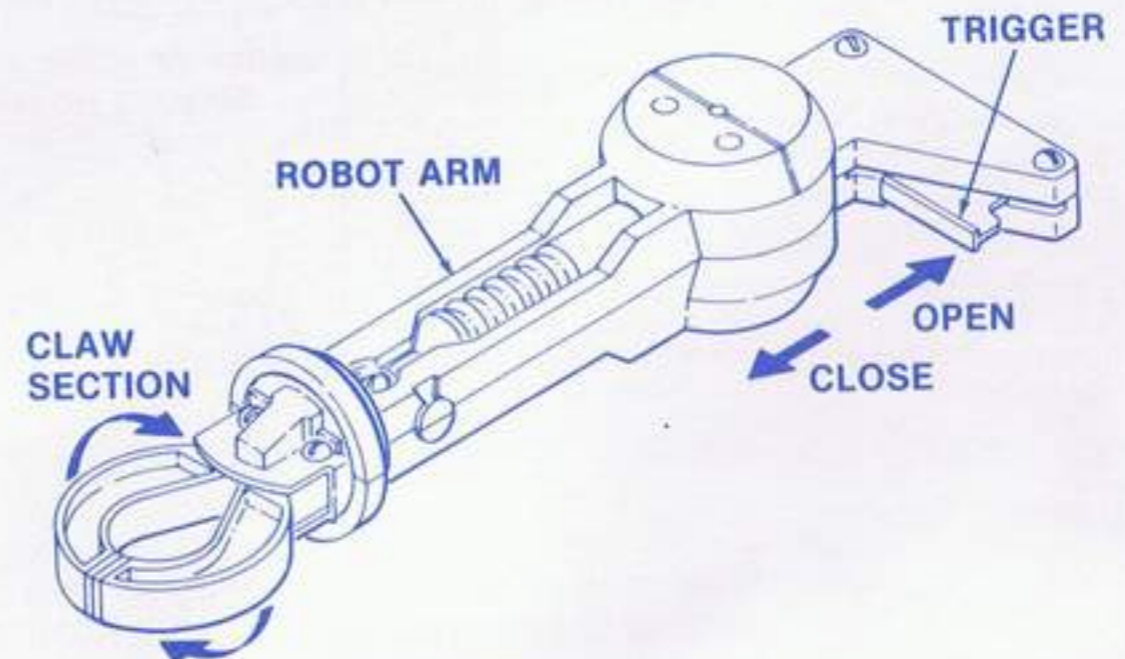
5. Snap TOP HOUSING onto BOTTOM HOUSING. Secure with 2 SCREWS and NUTS.



6. Slip FLAT END of MOLDING into SLOT in HOUSING. Secure with SCREW and NUT.

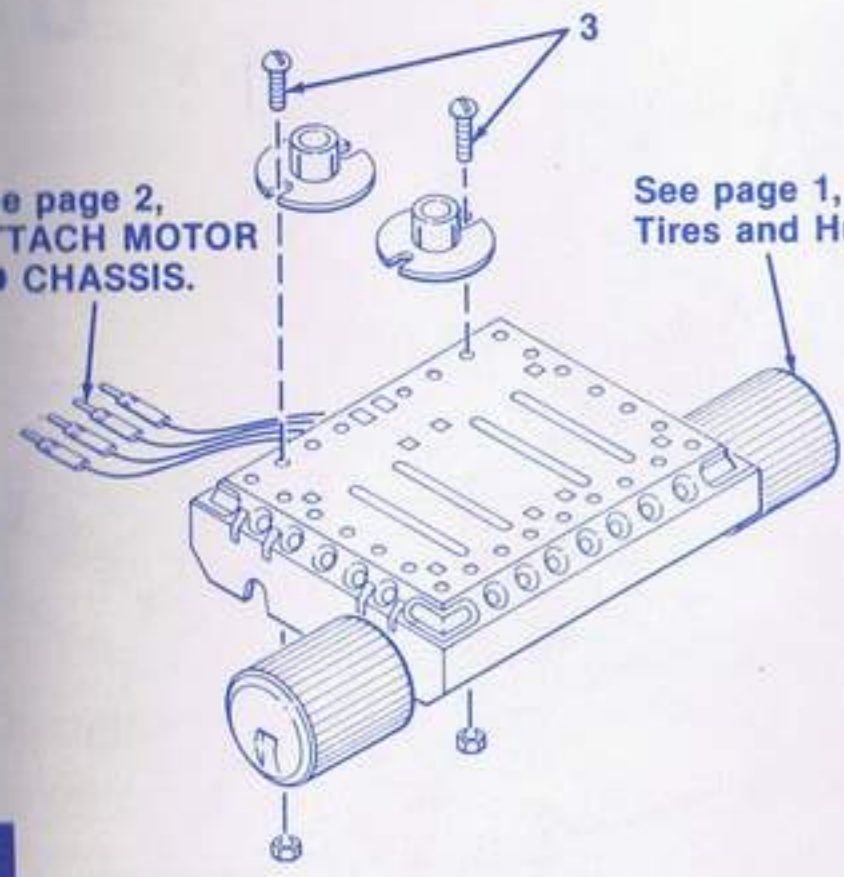


7. Fully assembled view of ROBOT ARM. CLAW SECTION can swivel 360 degrees. Pull TRIGGER to open CLAWS. Release TRIGGER to close CLAWS.

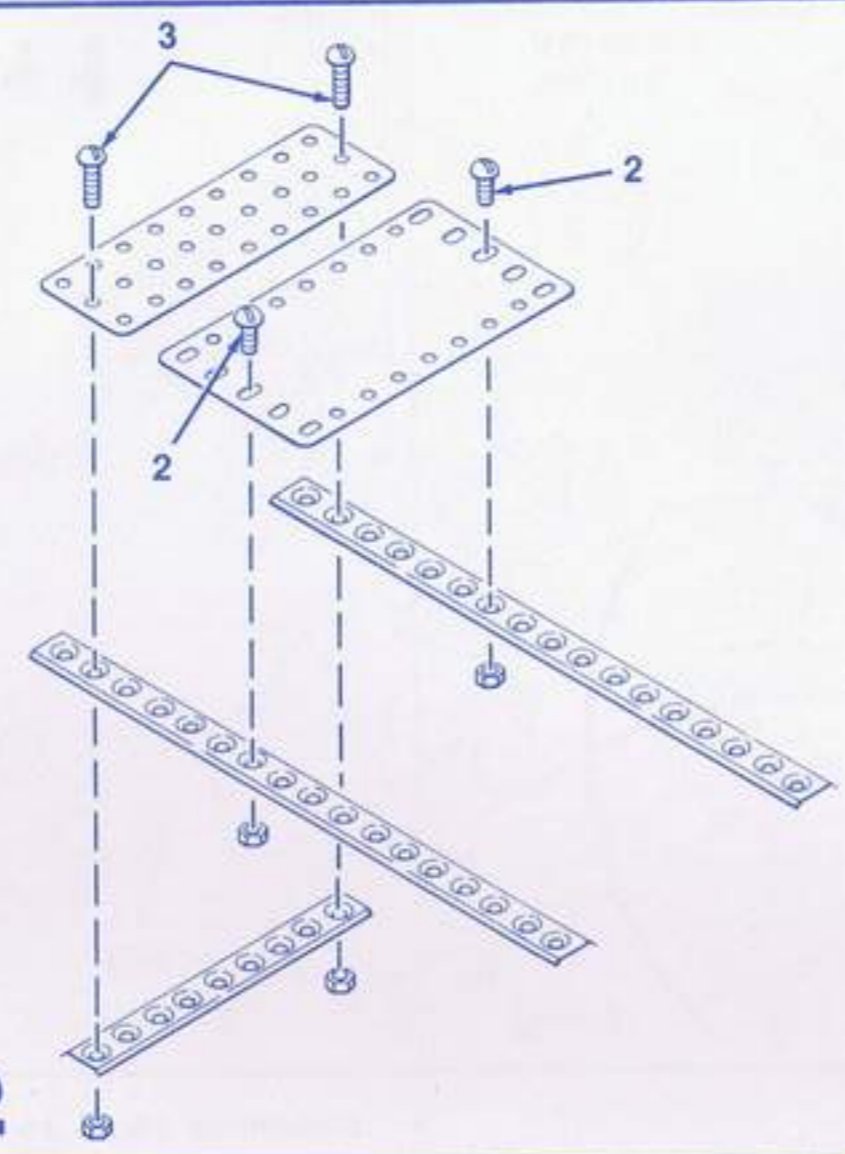


See page 2,  
ATTACH MOTOR  
TO CHASSIS.

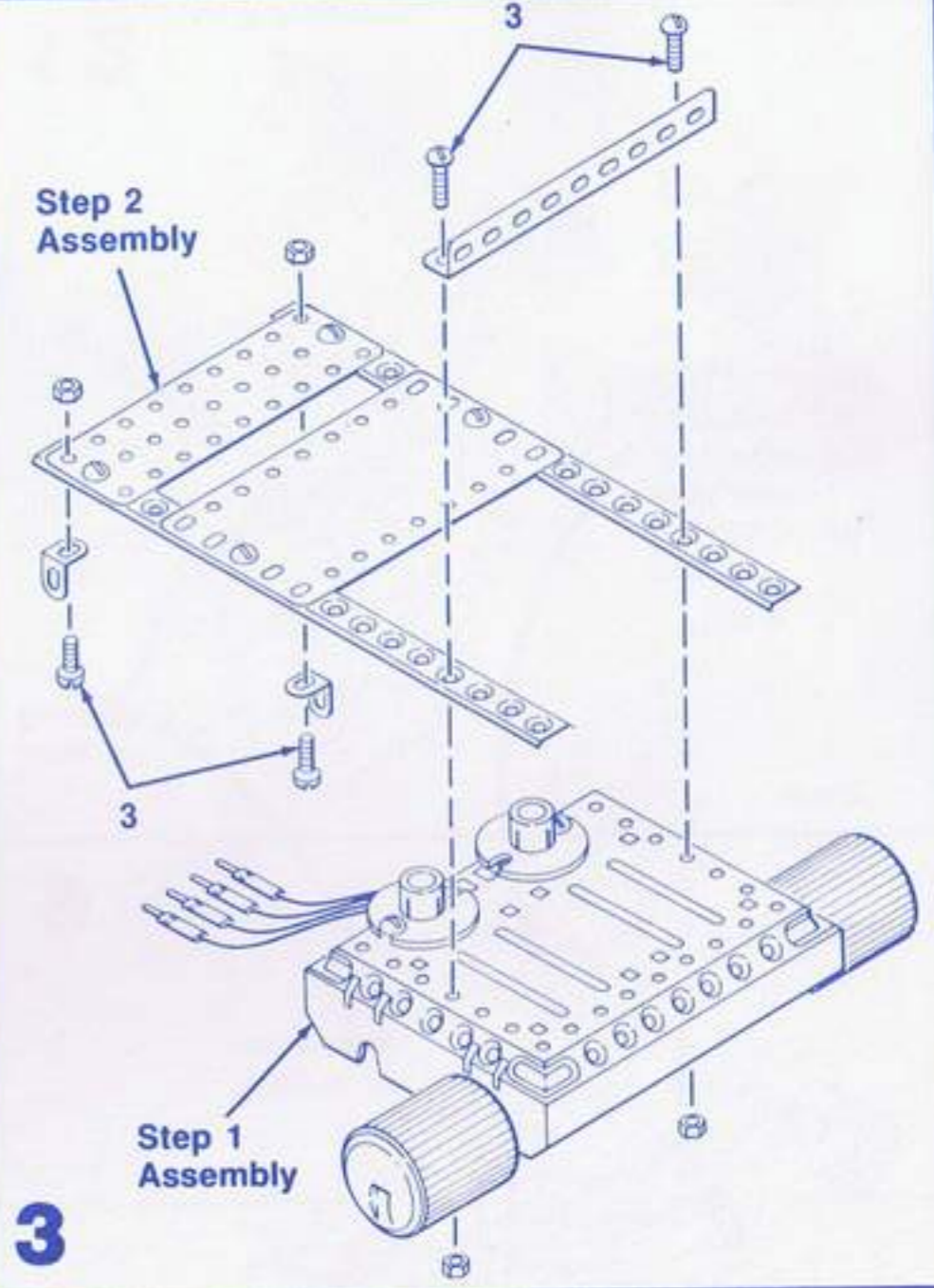
See page 1,  
Tires and Hubs.



**2**

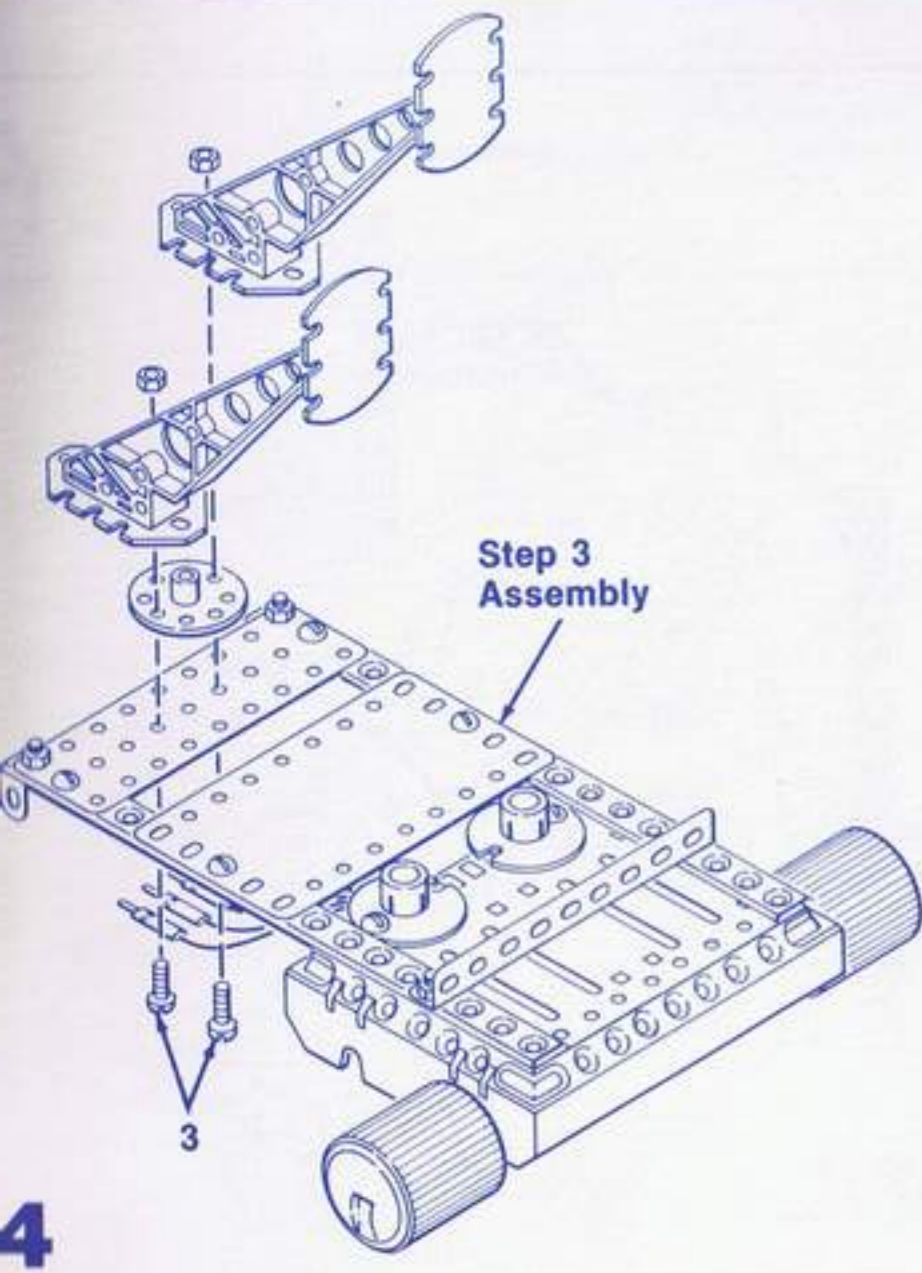


Step 2  
Assembly



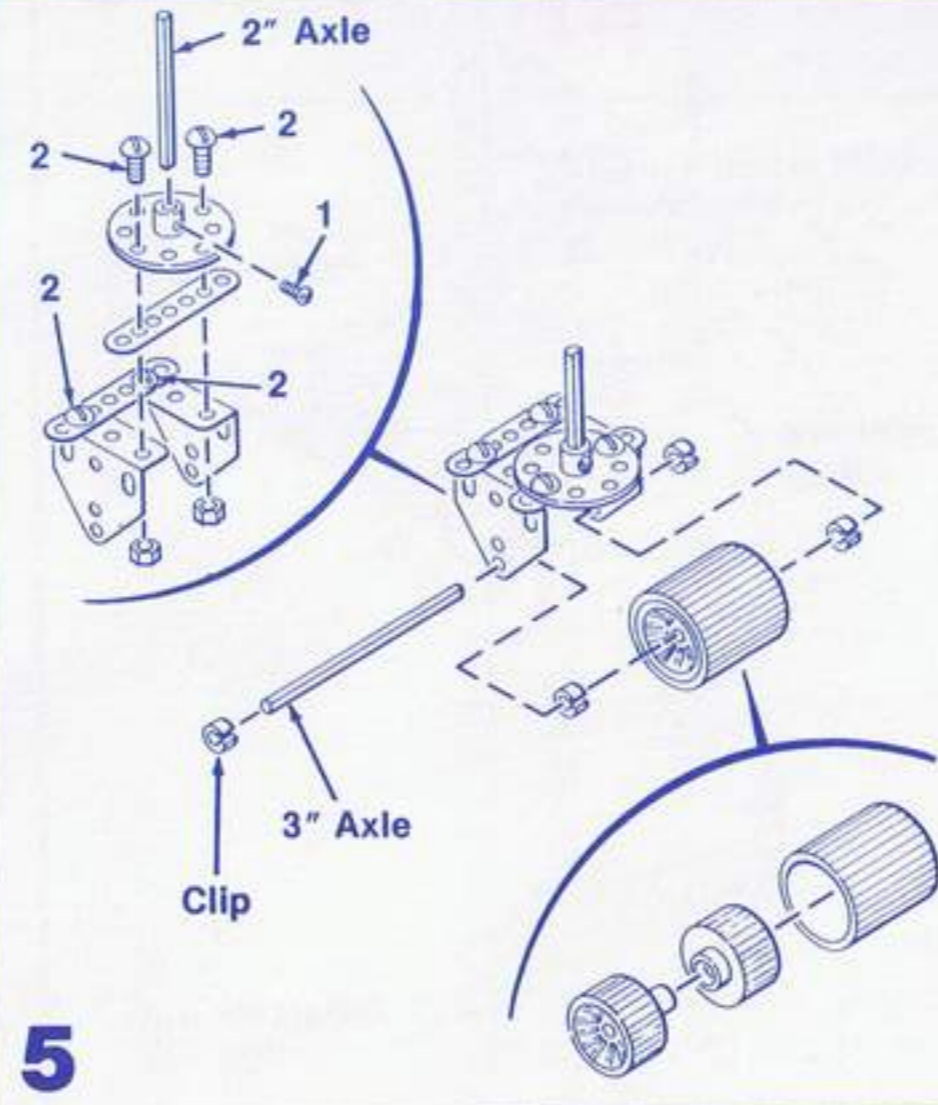
Step 1  
Assembly

**3**



Step 3  
Assembly

**4**

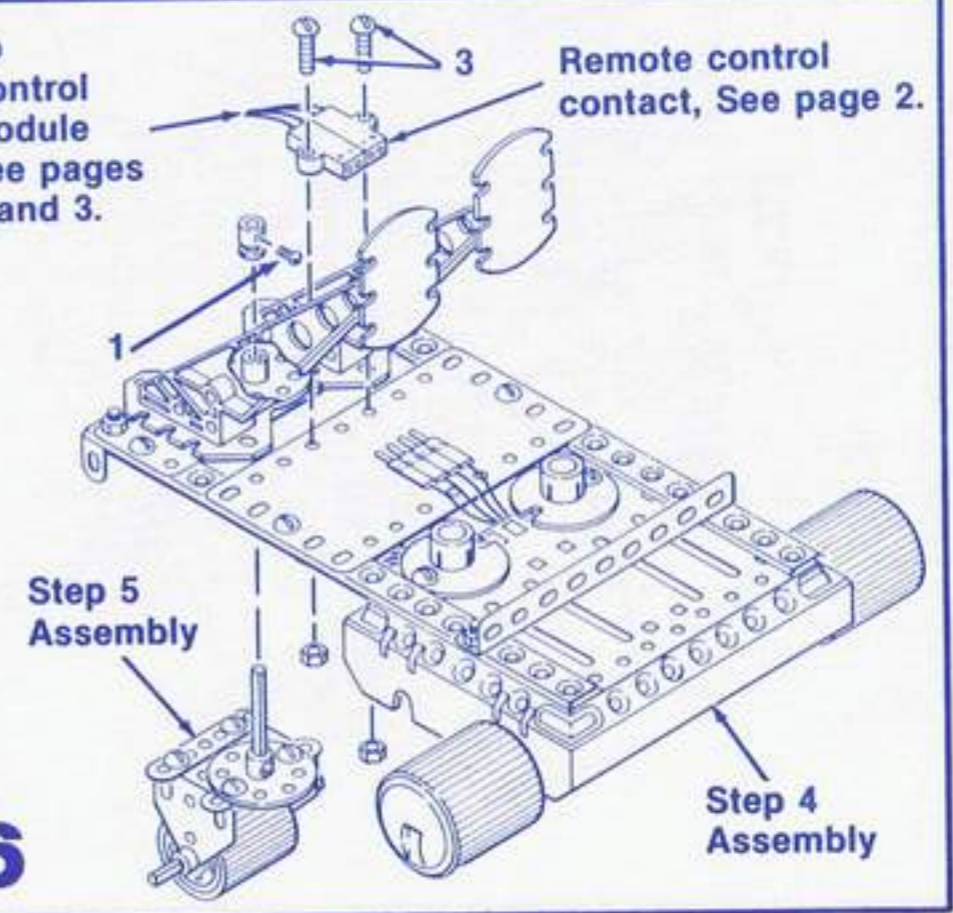


**5**

To  
Control  
Module  
See pages  
2 and 3.

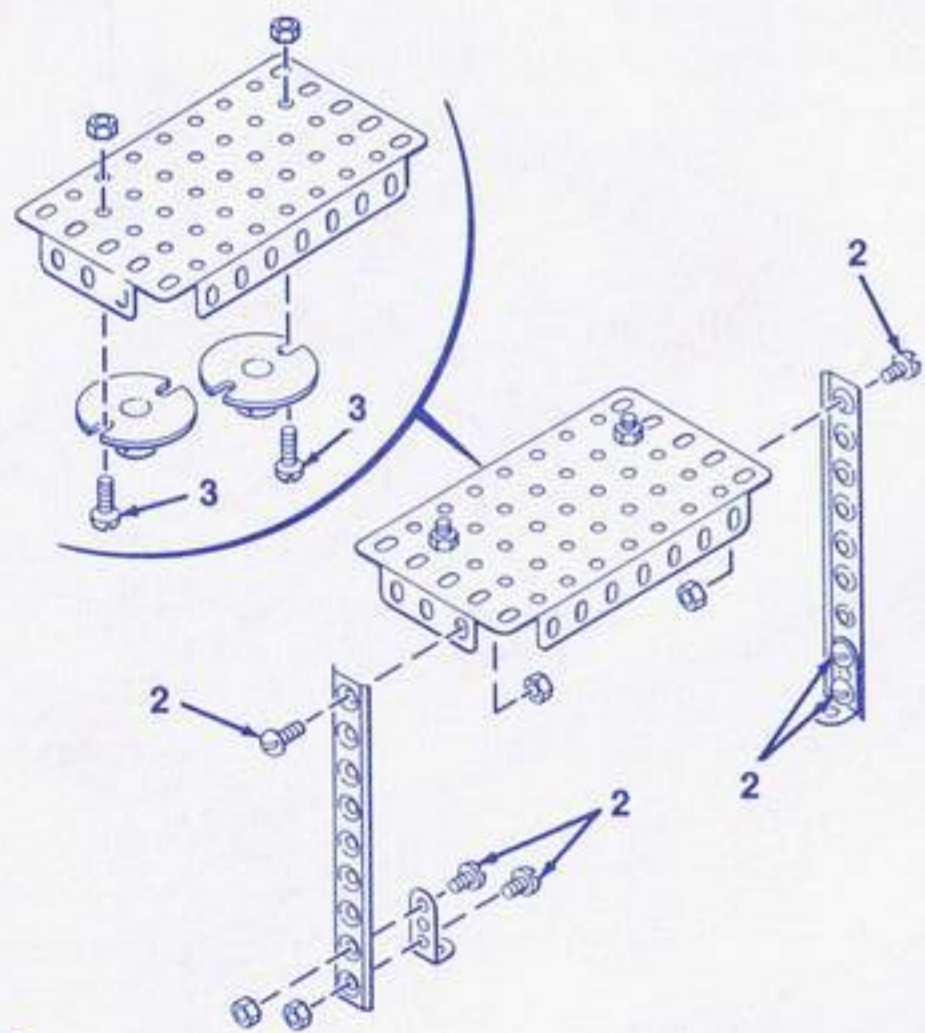
Remote control  
contact, See page 2.

**6**

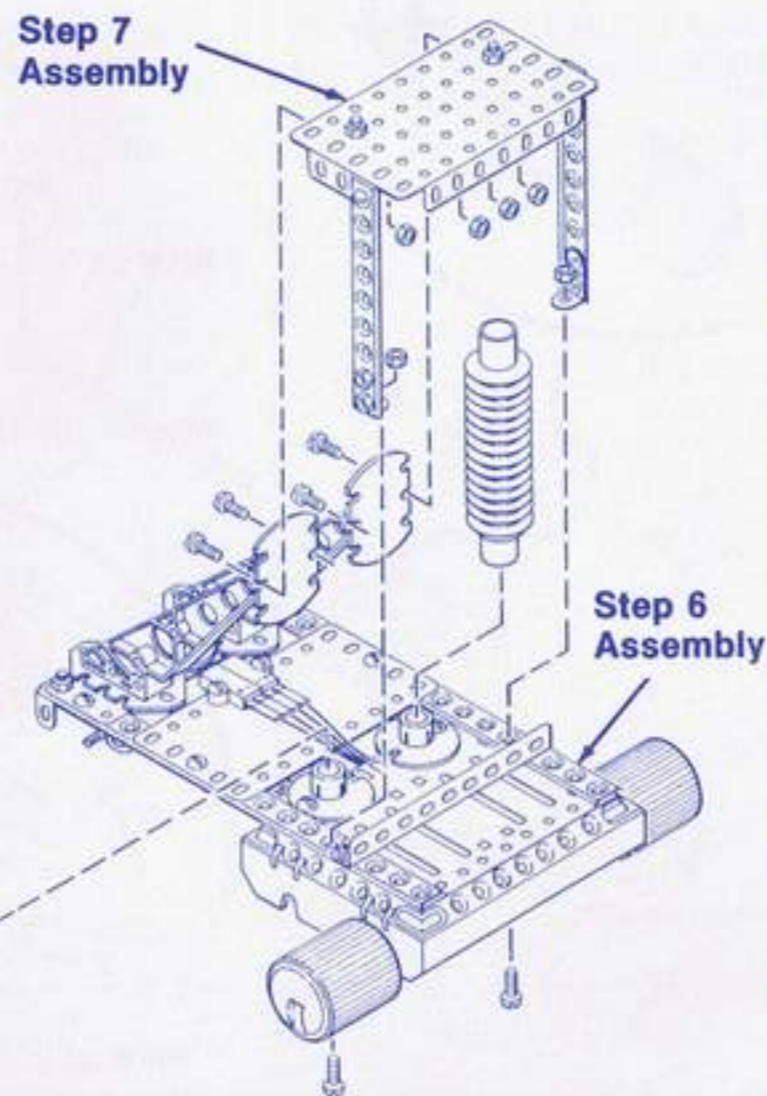


Step 5  
Assembly

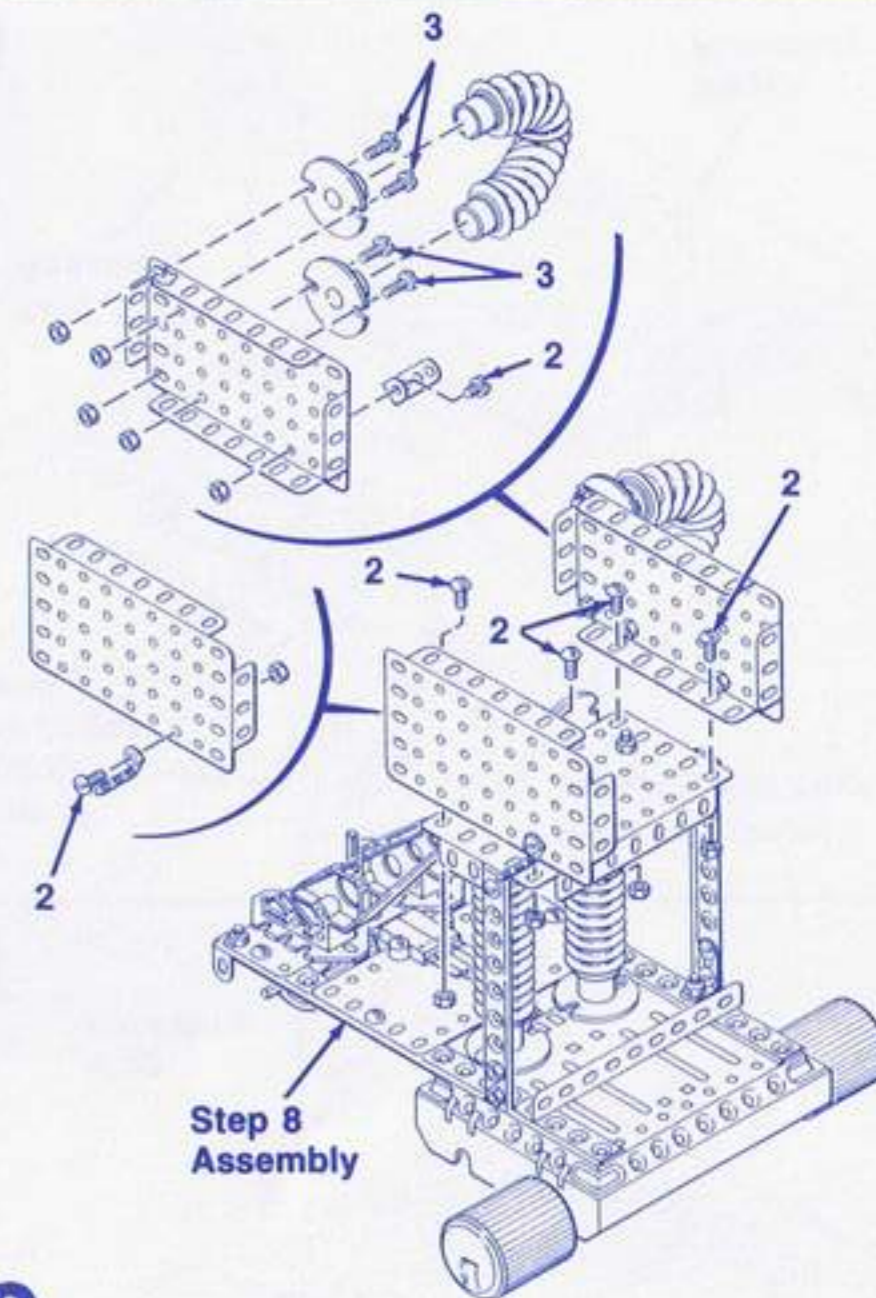
Step 4  
Assembly



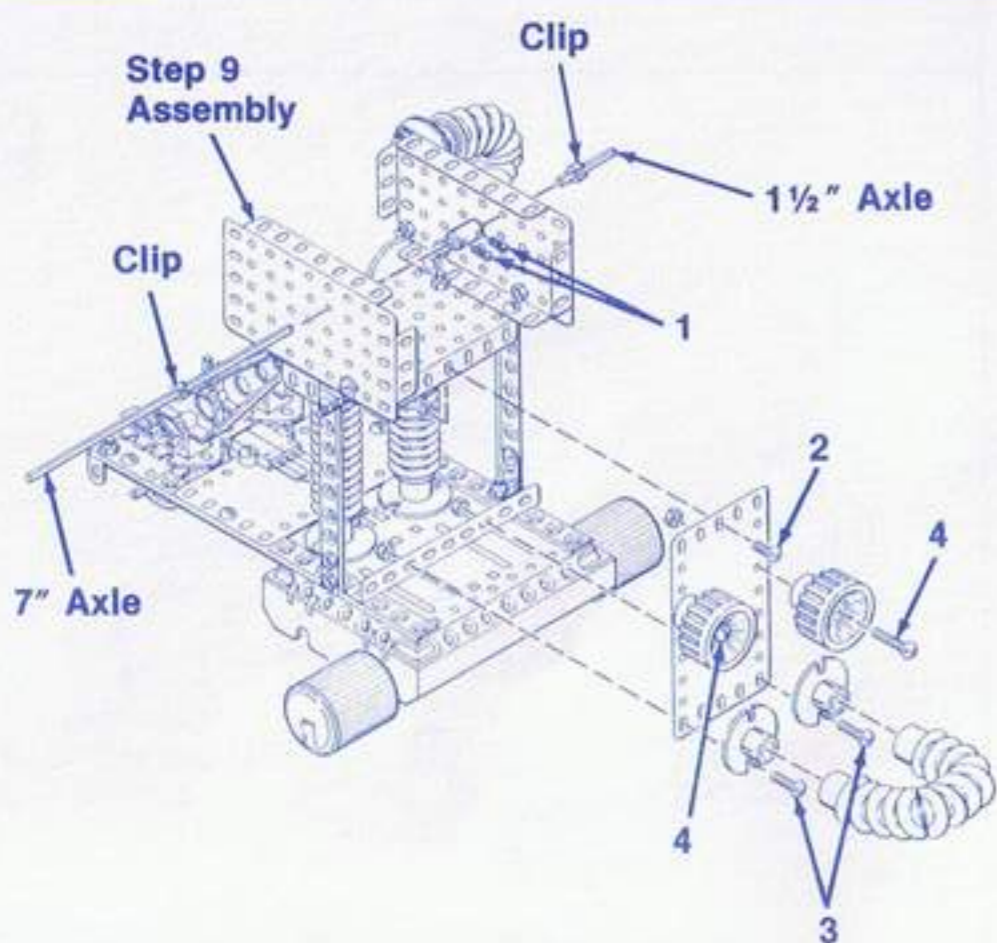
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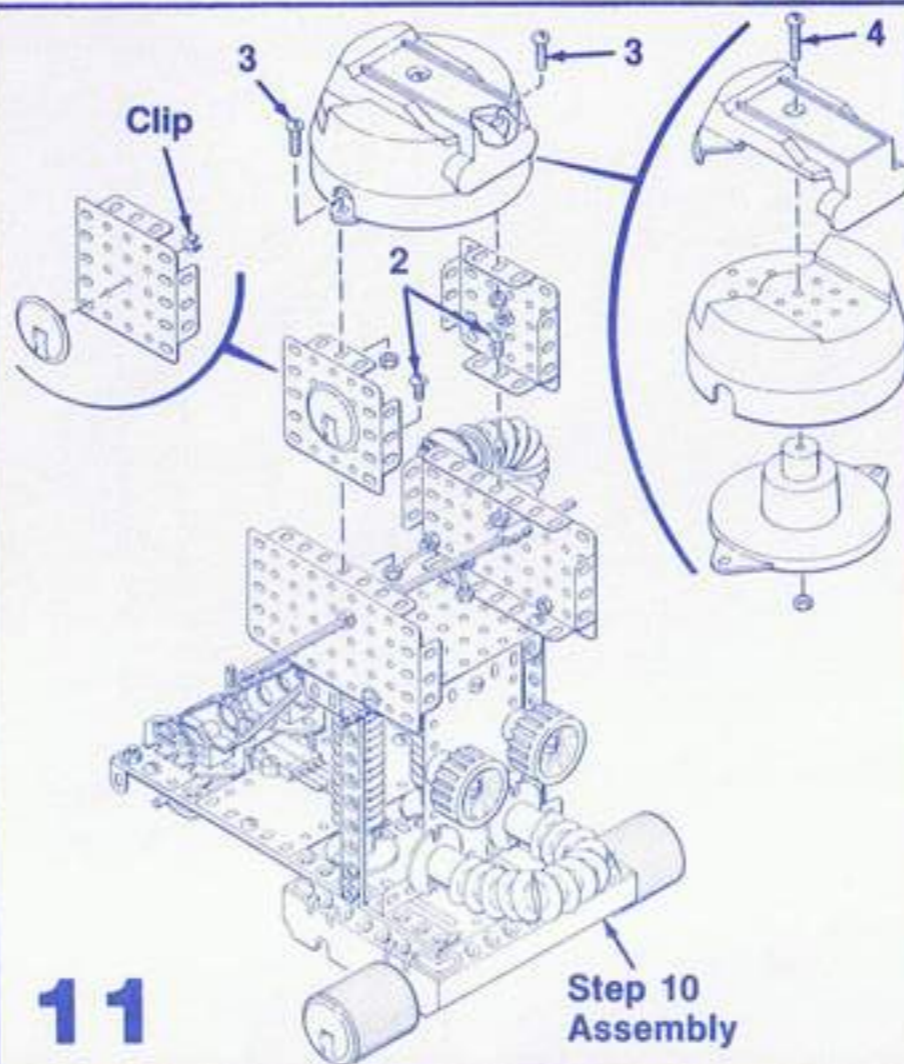
**8** Use #3 screws



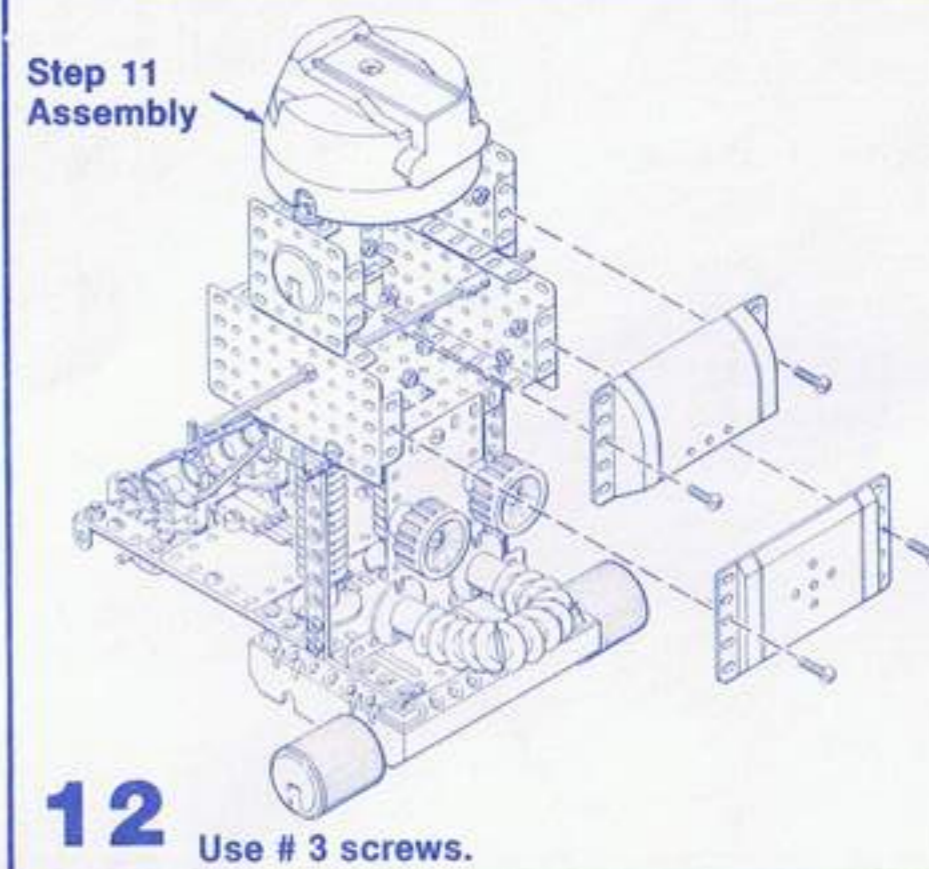
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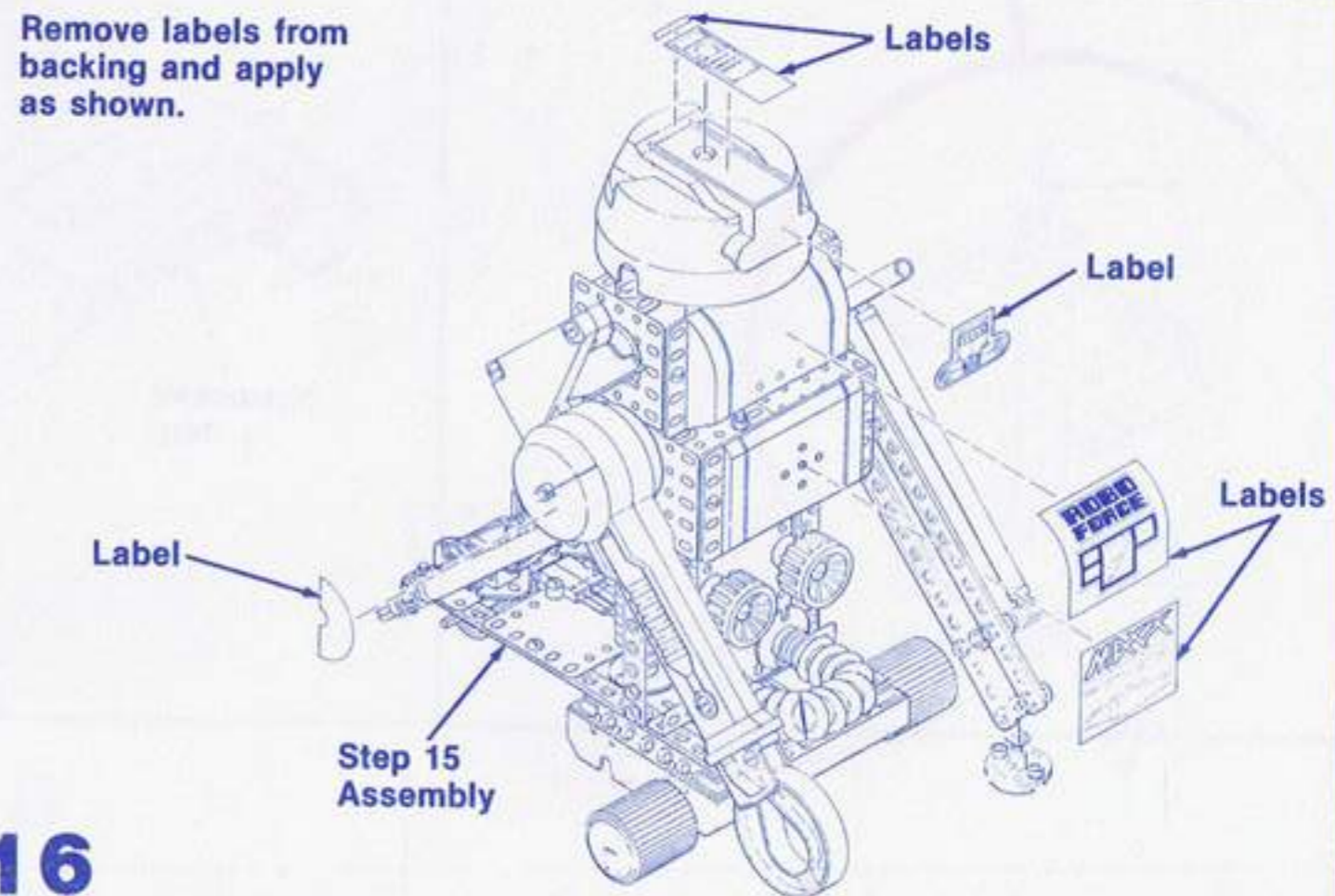
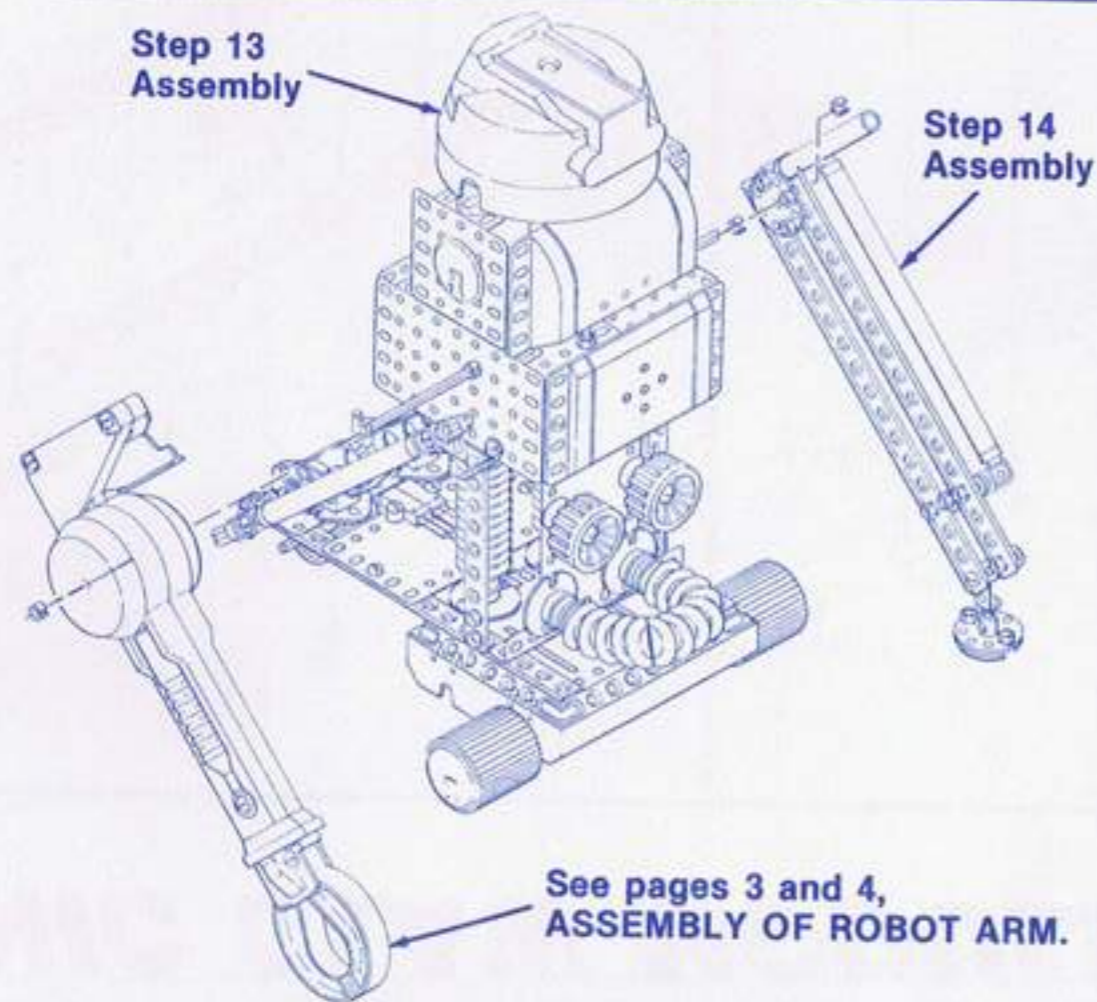
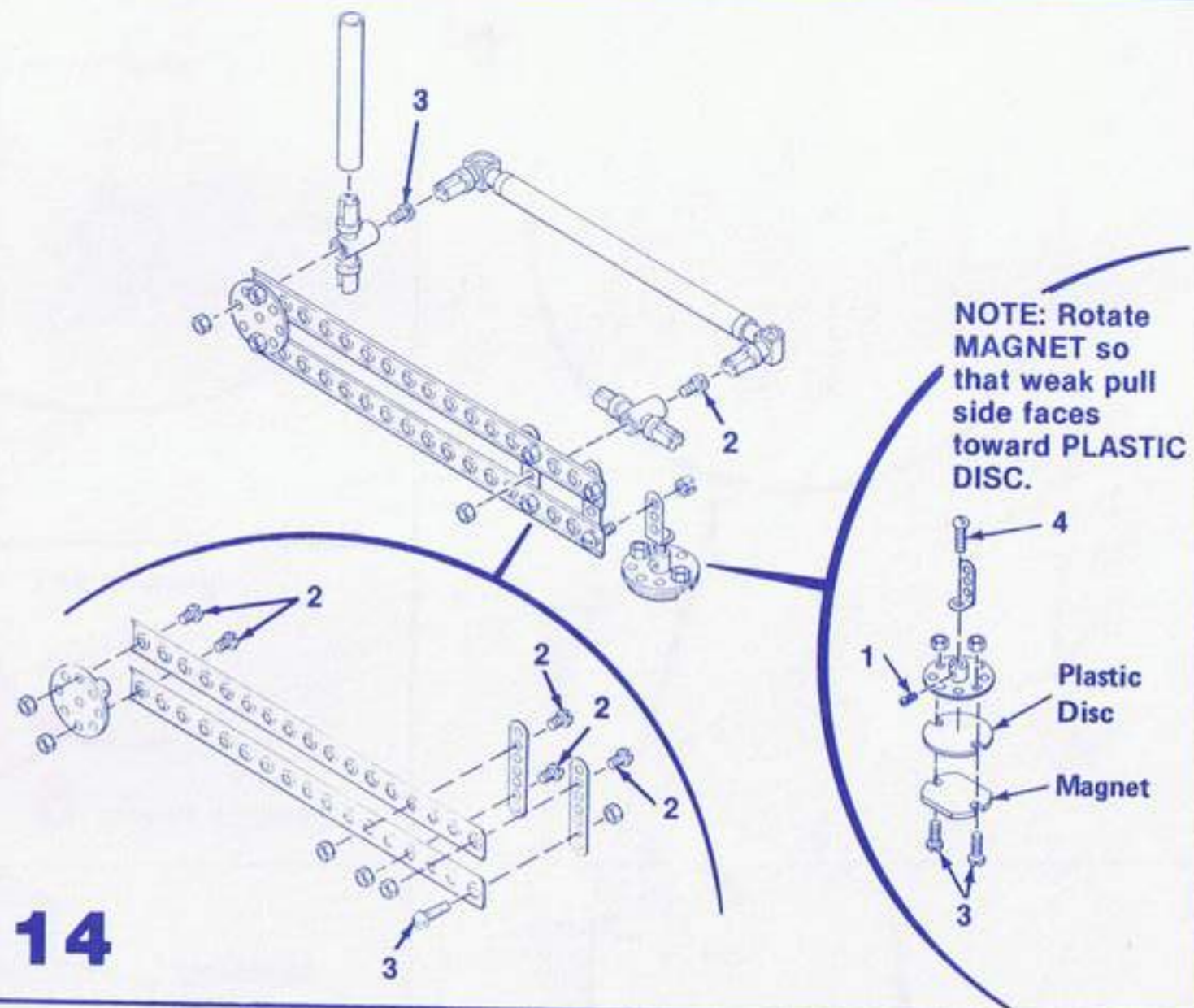
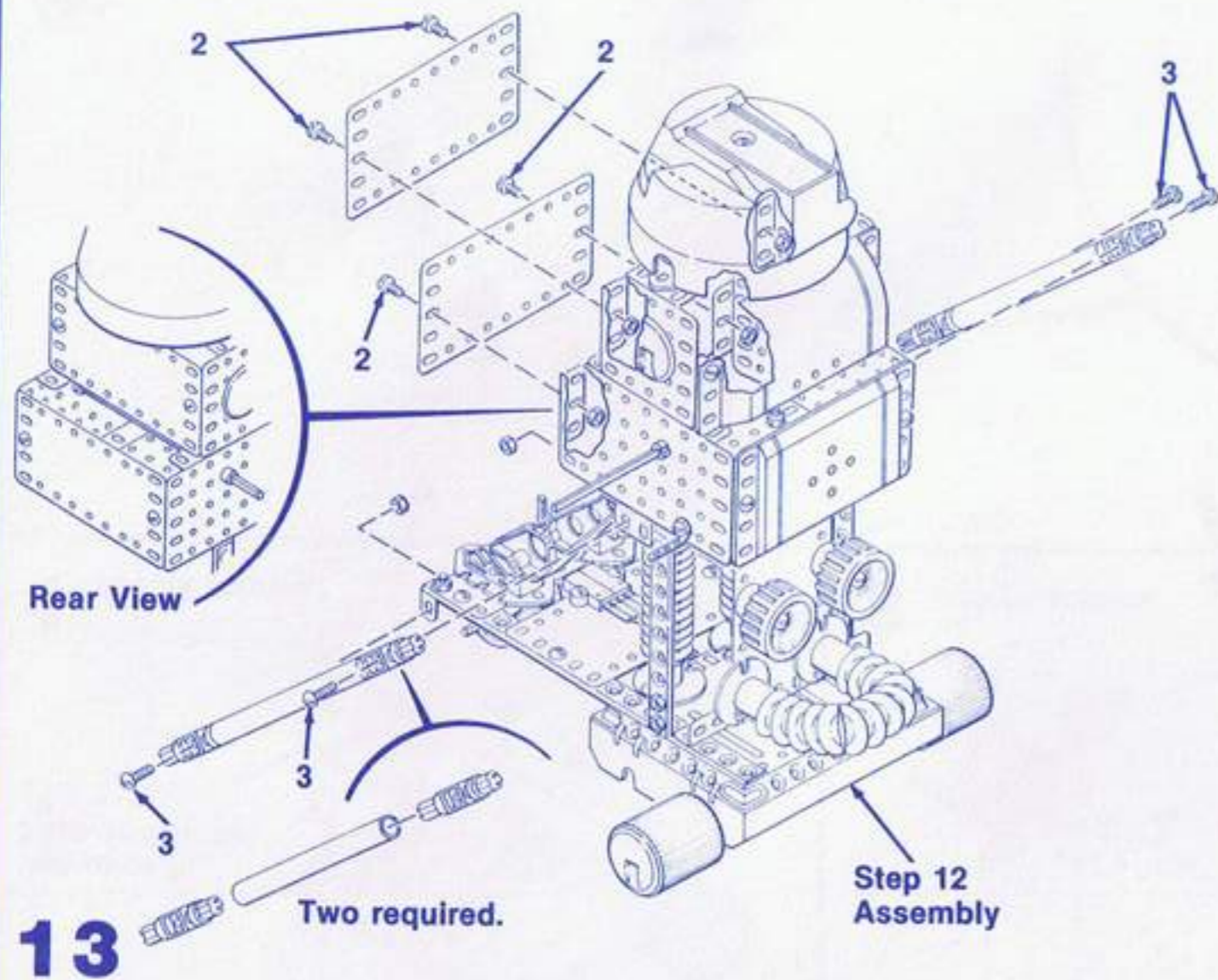
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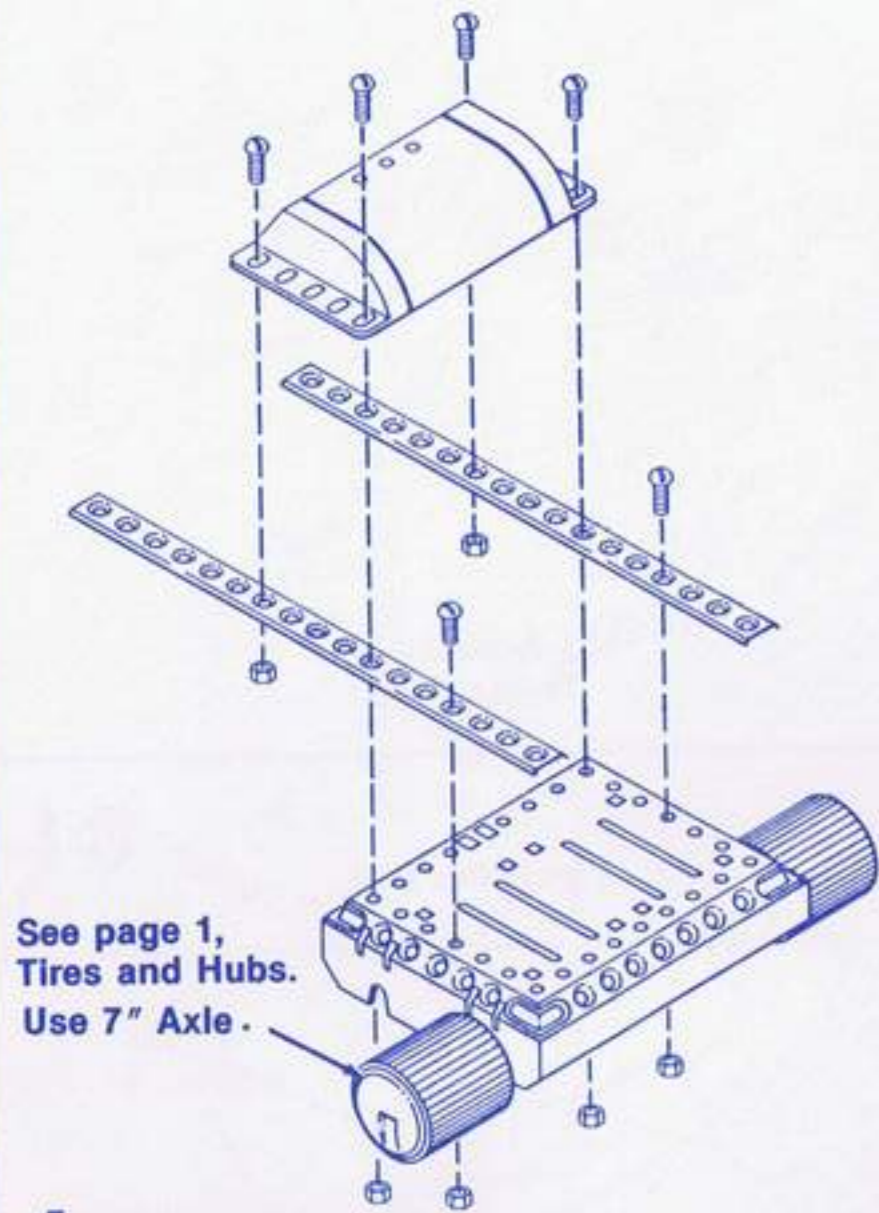
**11**



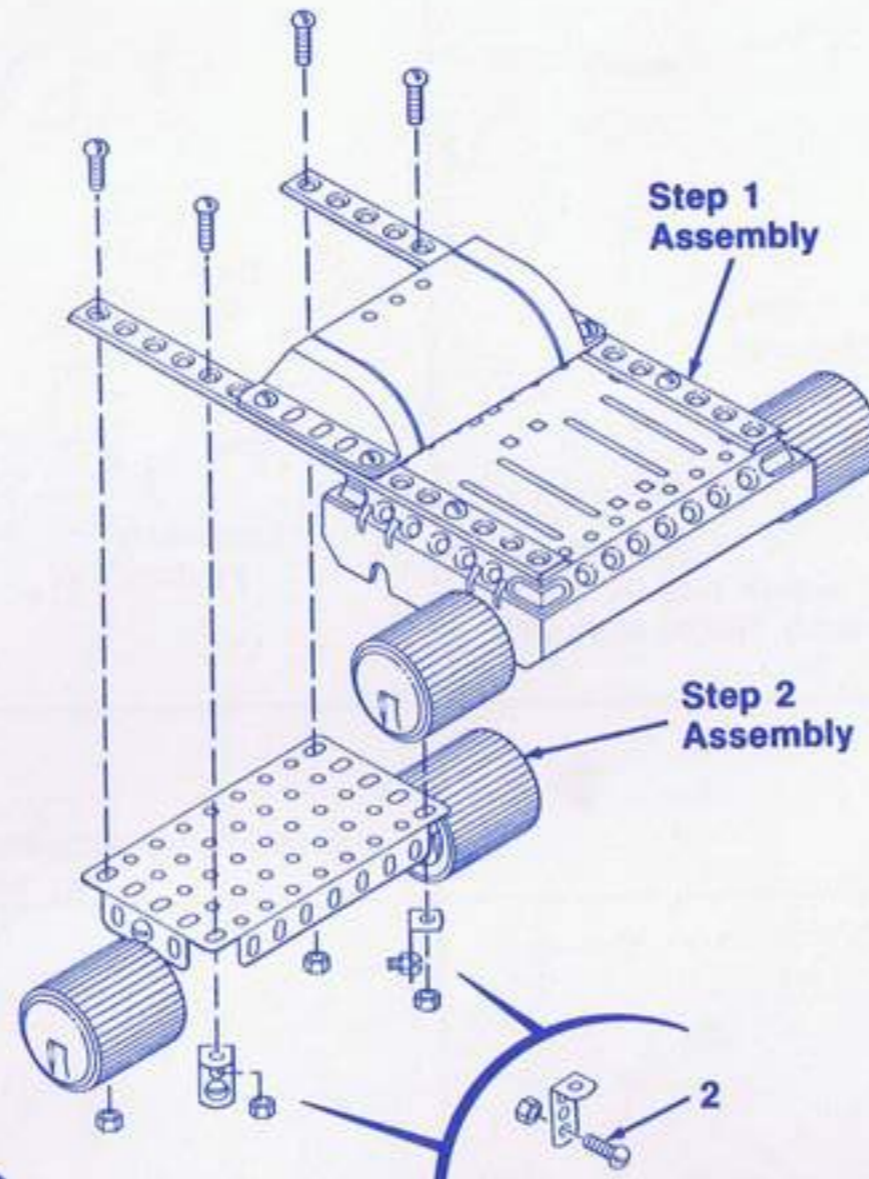
**12** Use # 3 screws.



# SONIC CLAW MODULE™

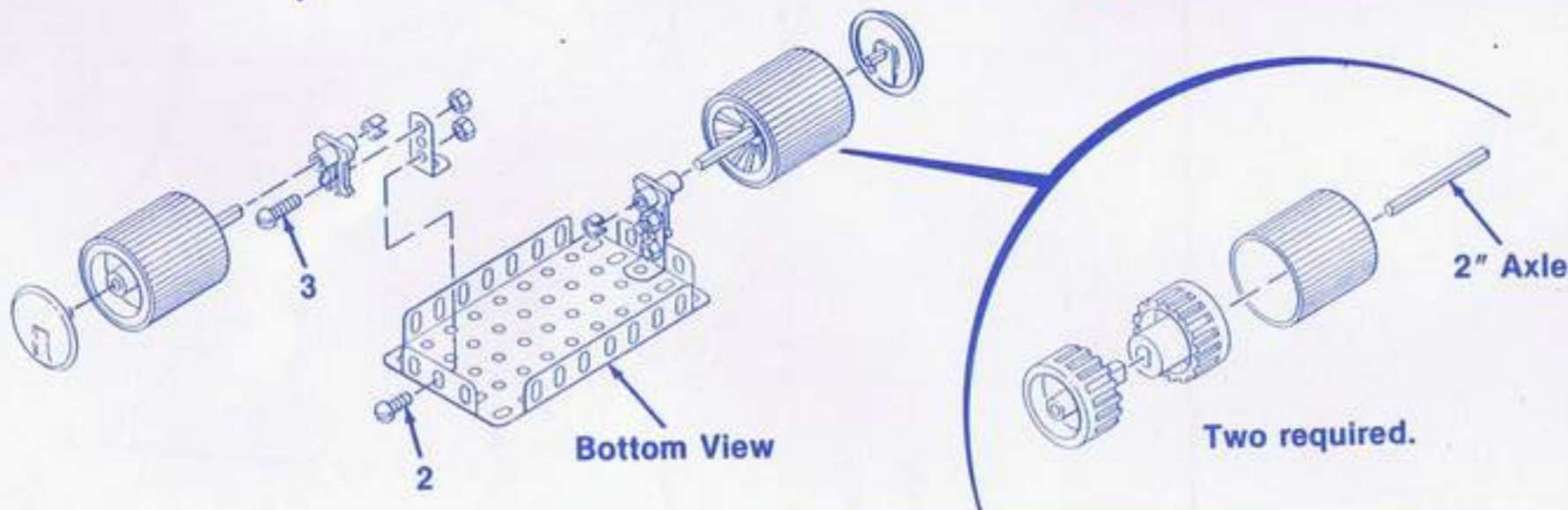


**1** Use #3 screws

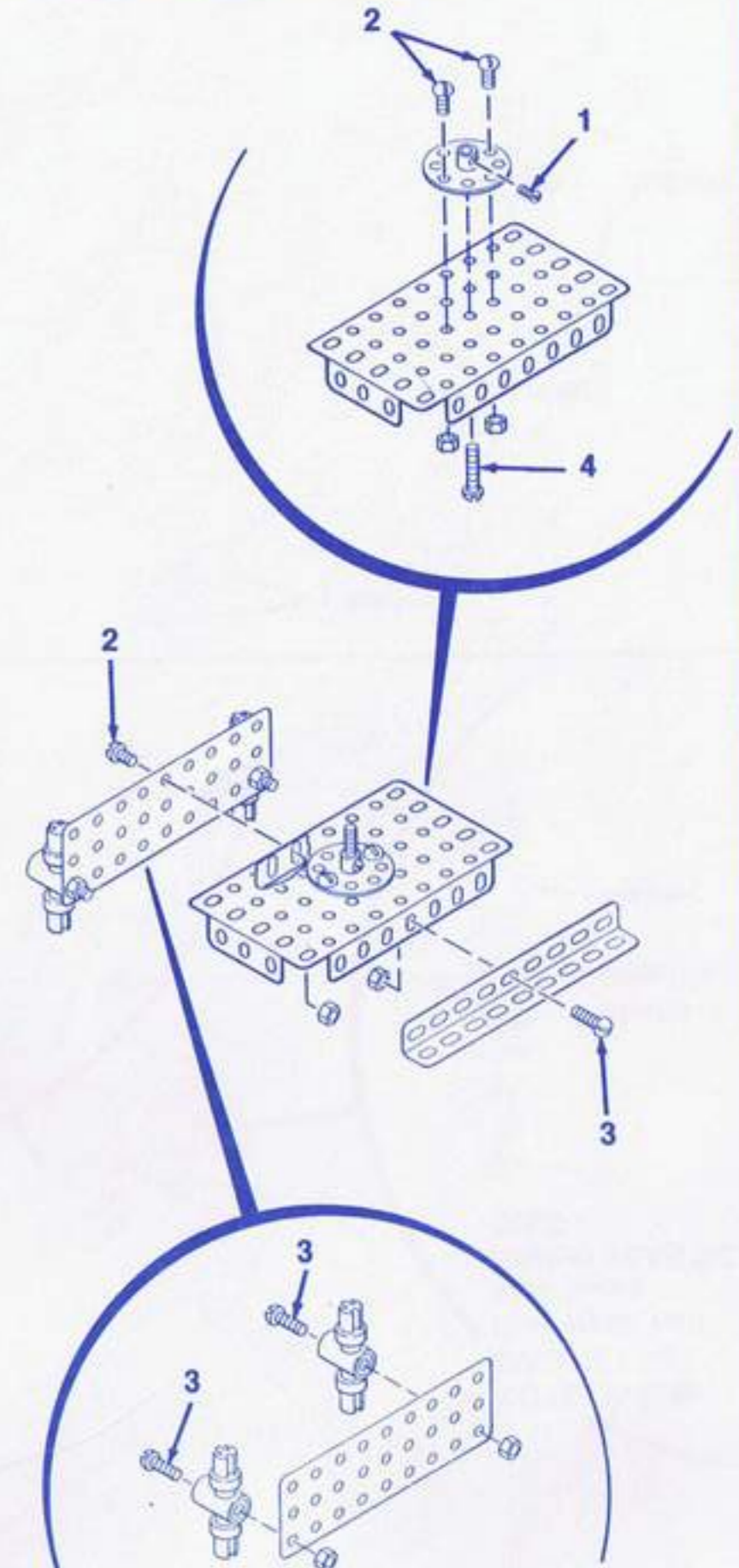


**3** Use #3 screws

Two required.

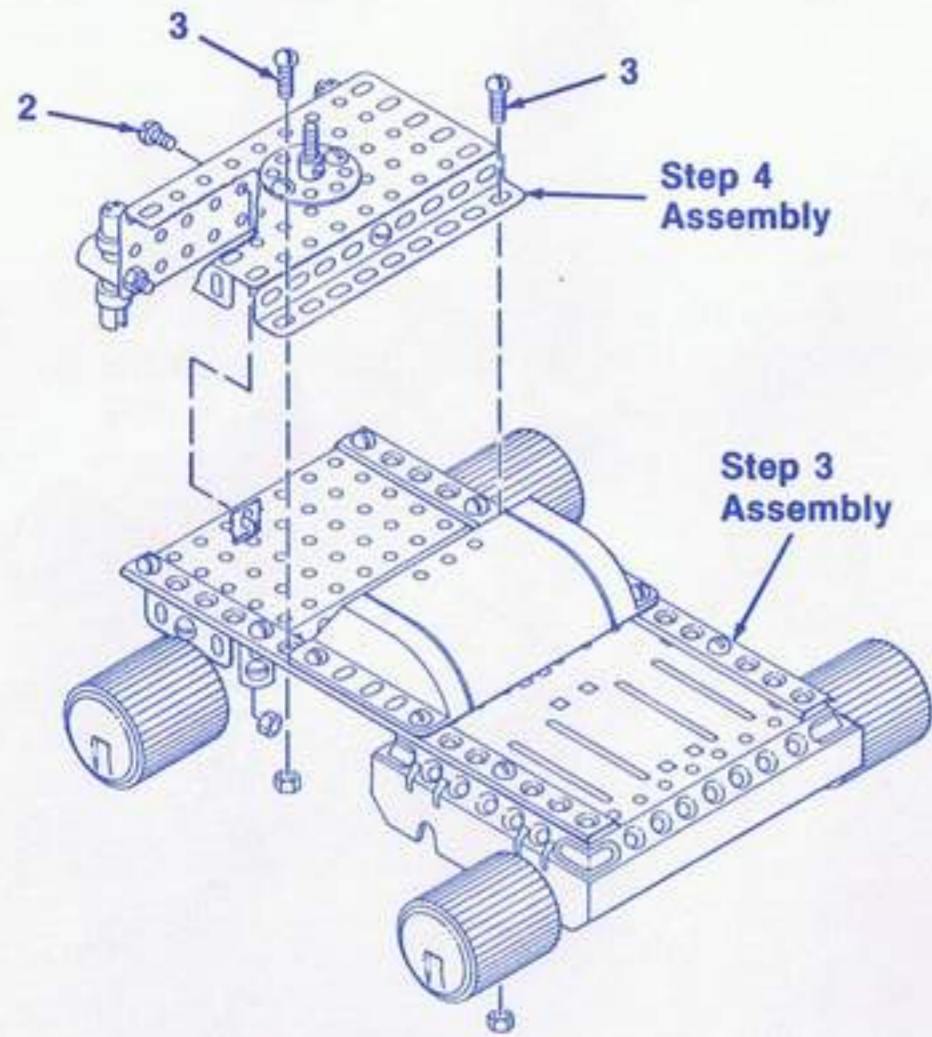


**2**

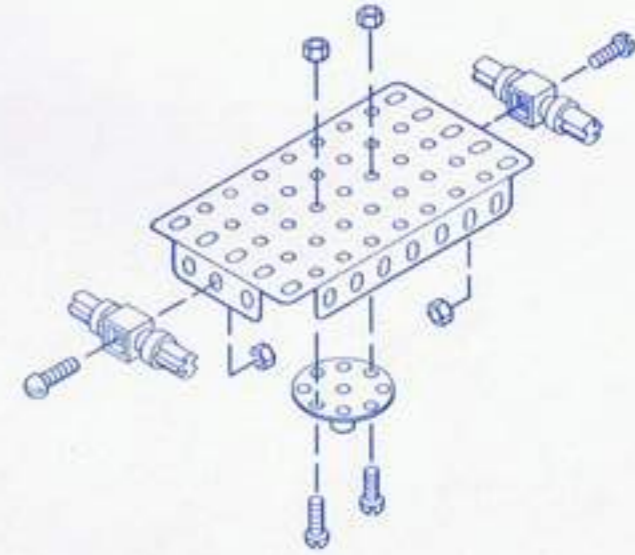


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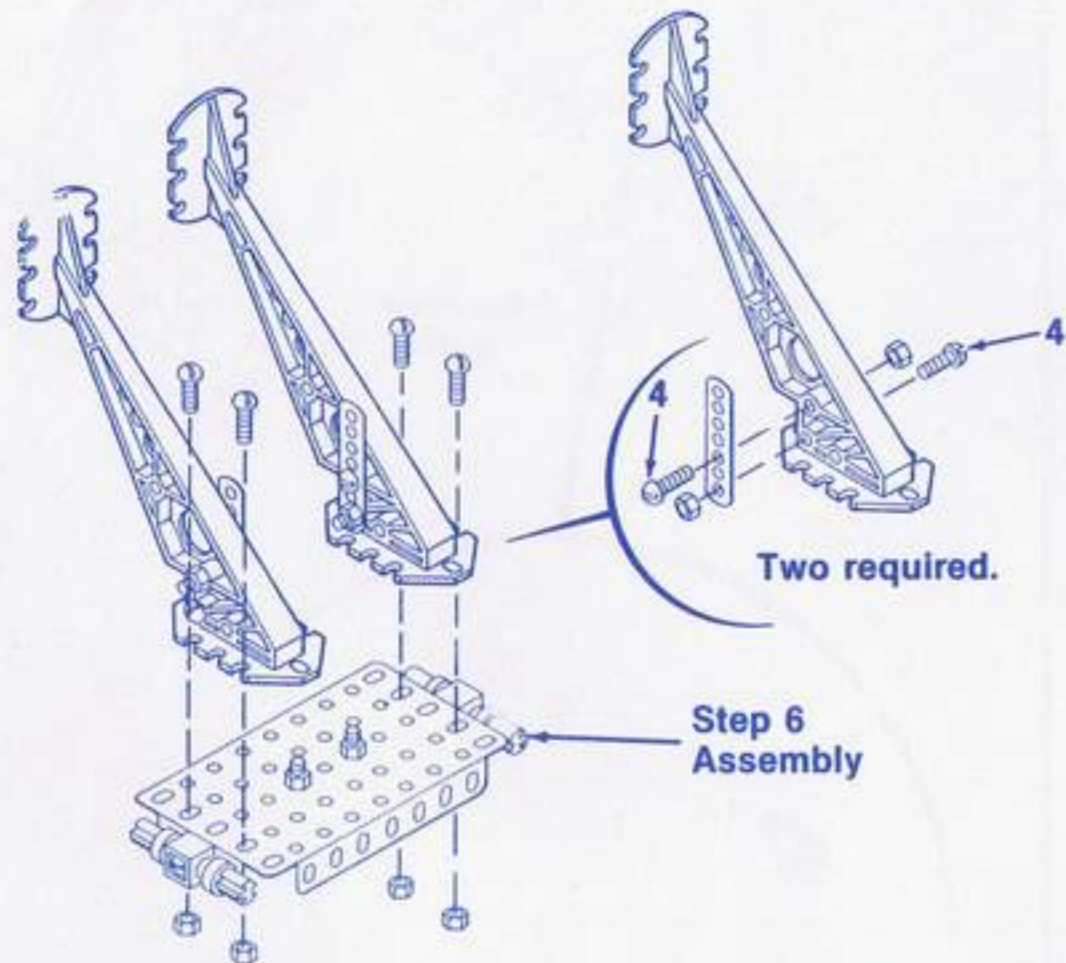




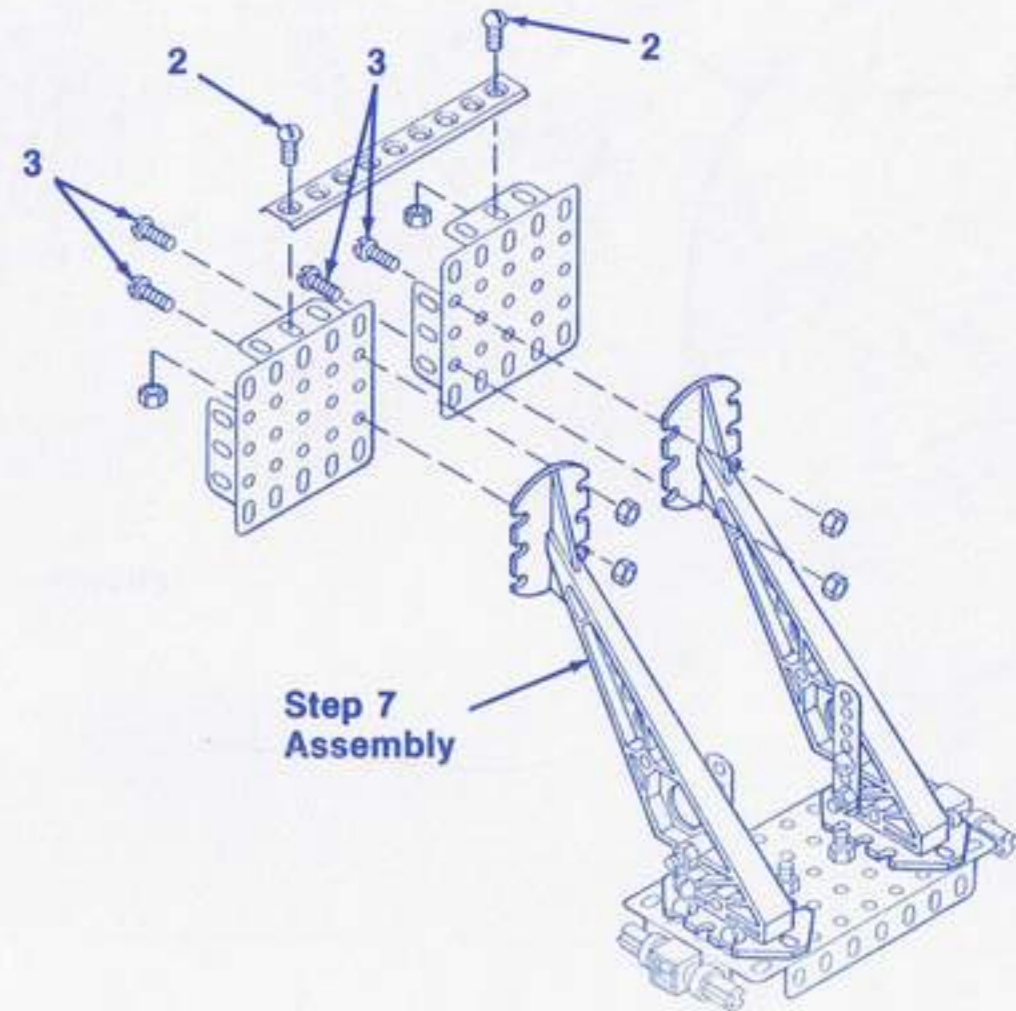
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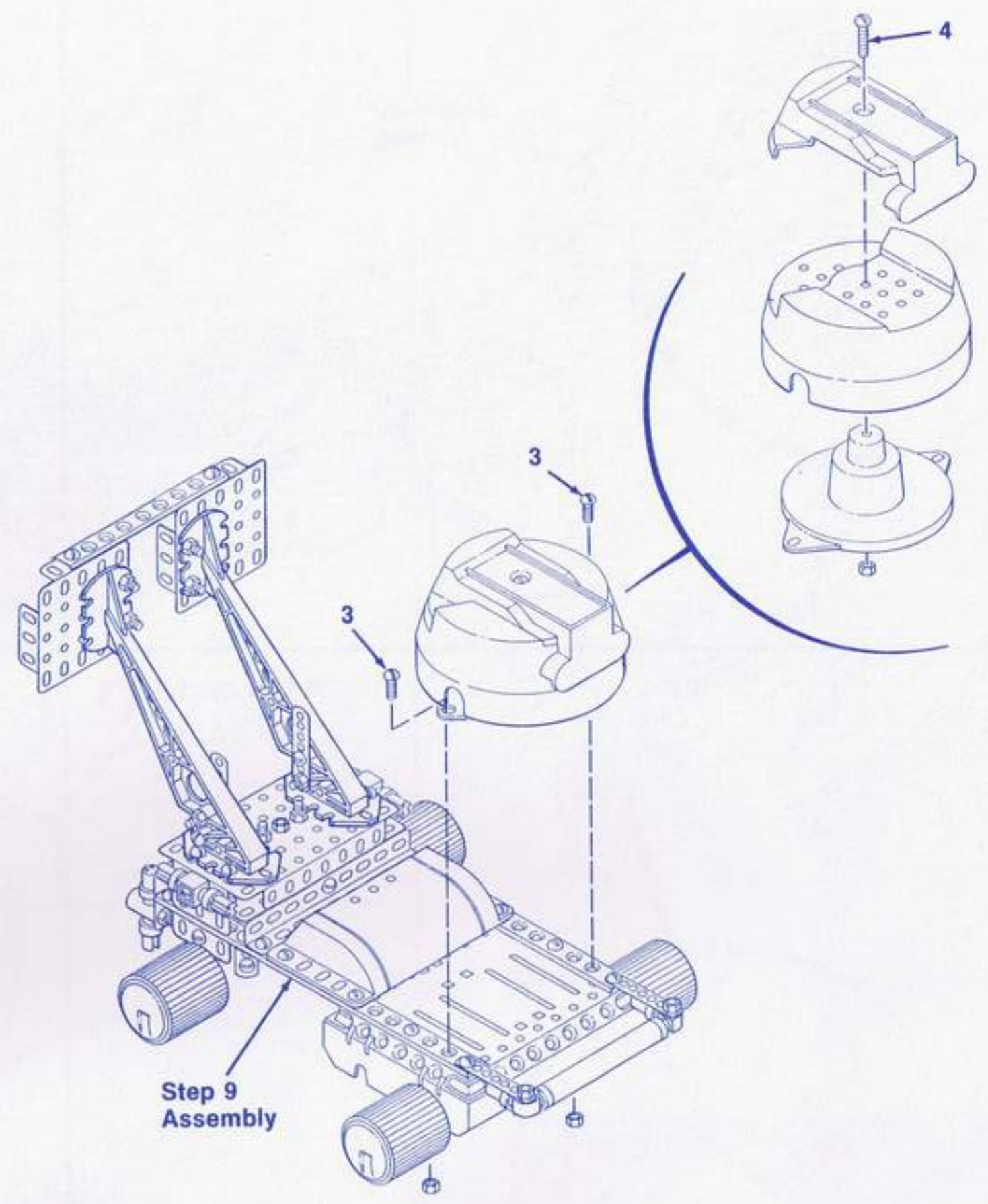
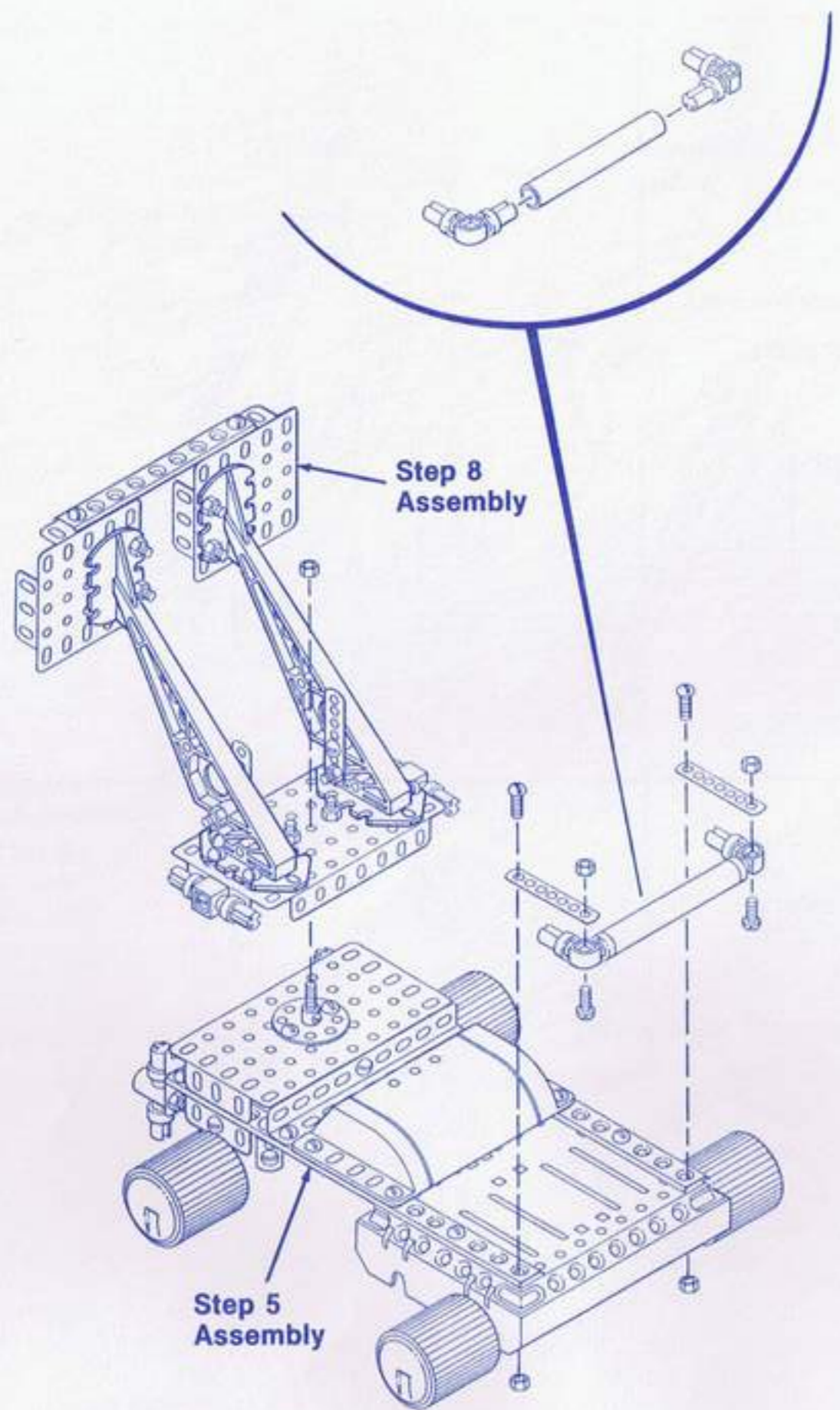
**6** Use #3 screws



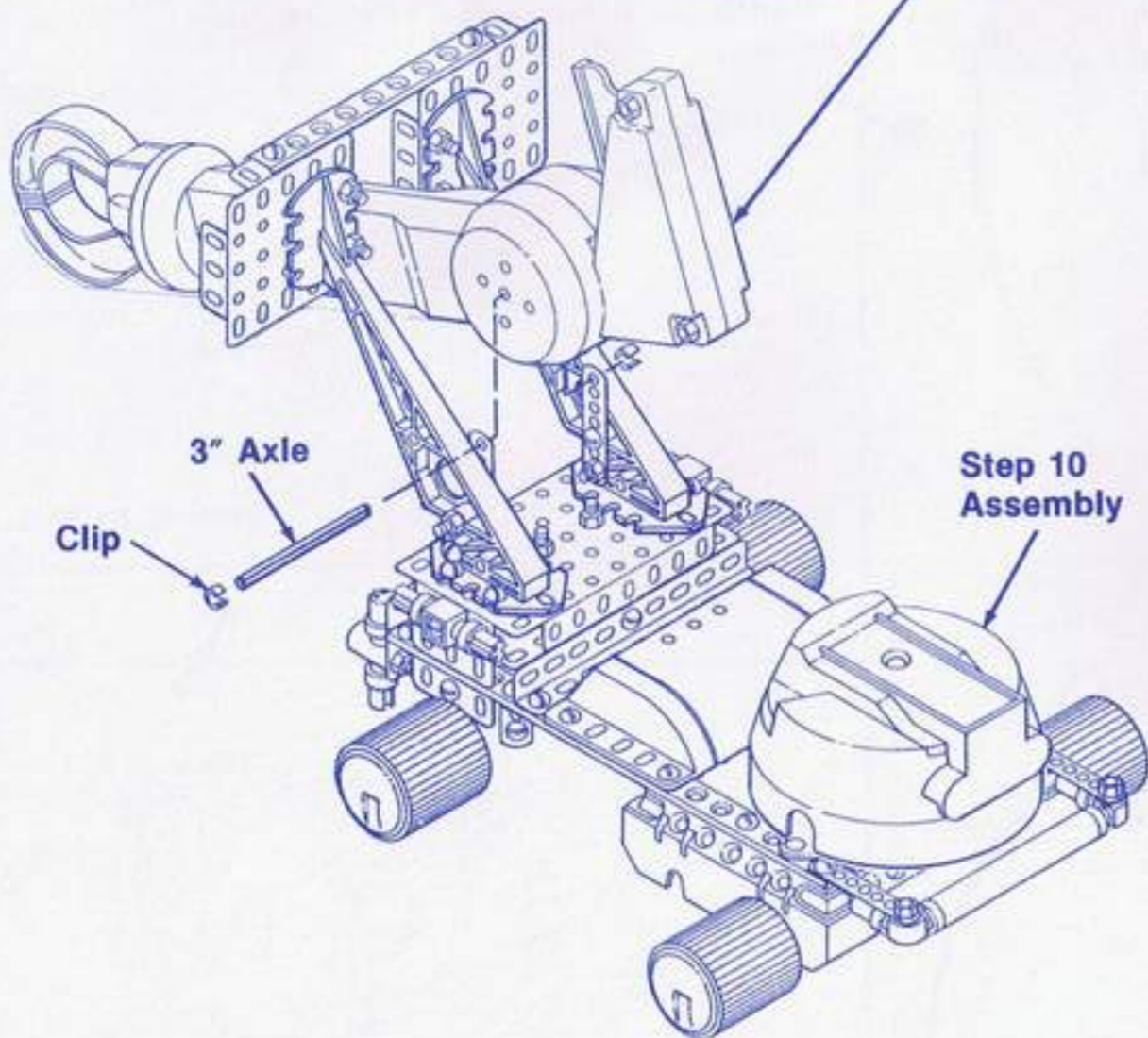
**7** Use #3 screws



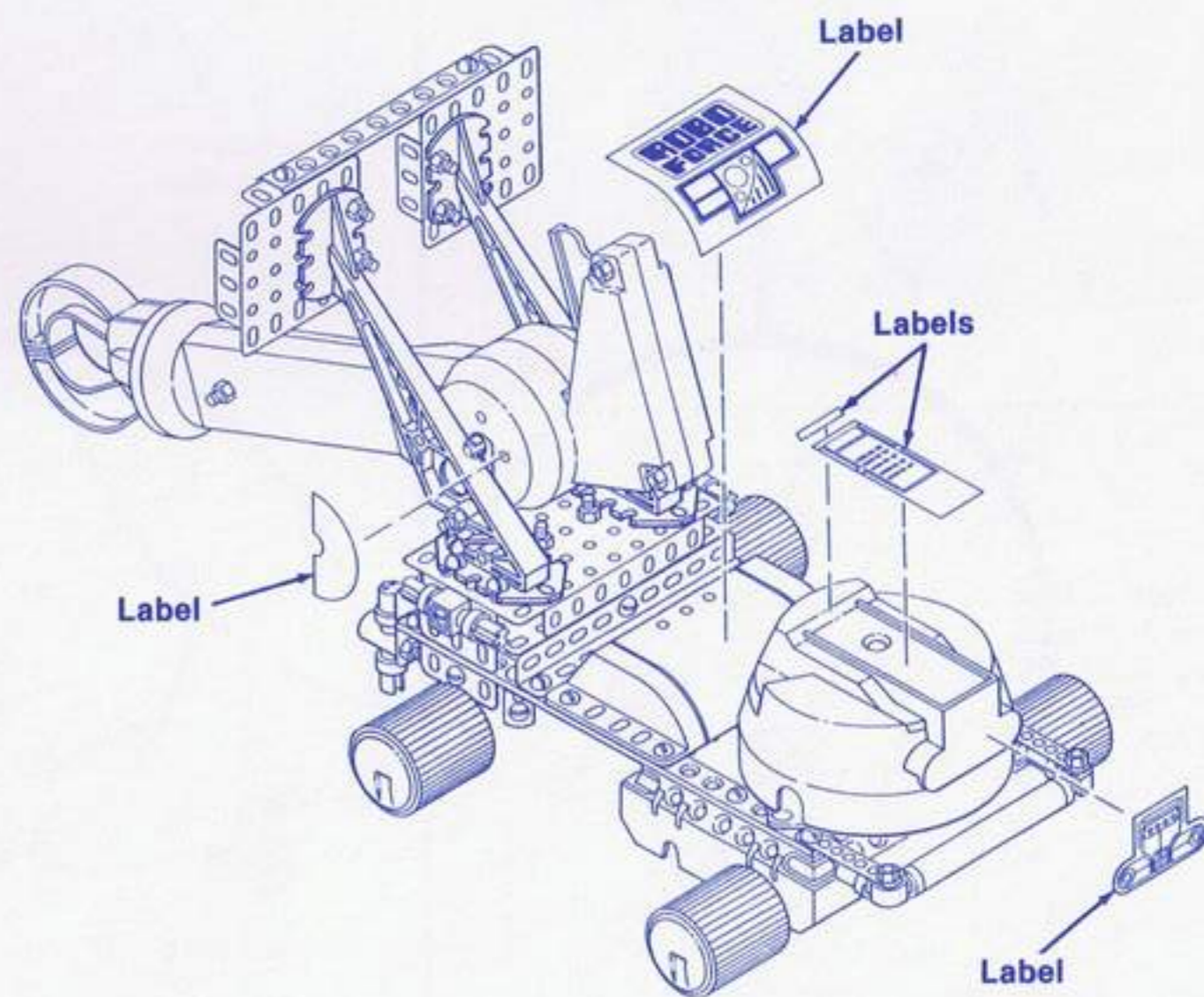
**8**



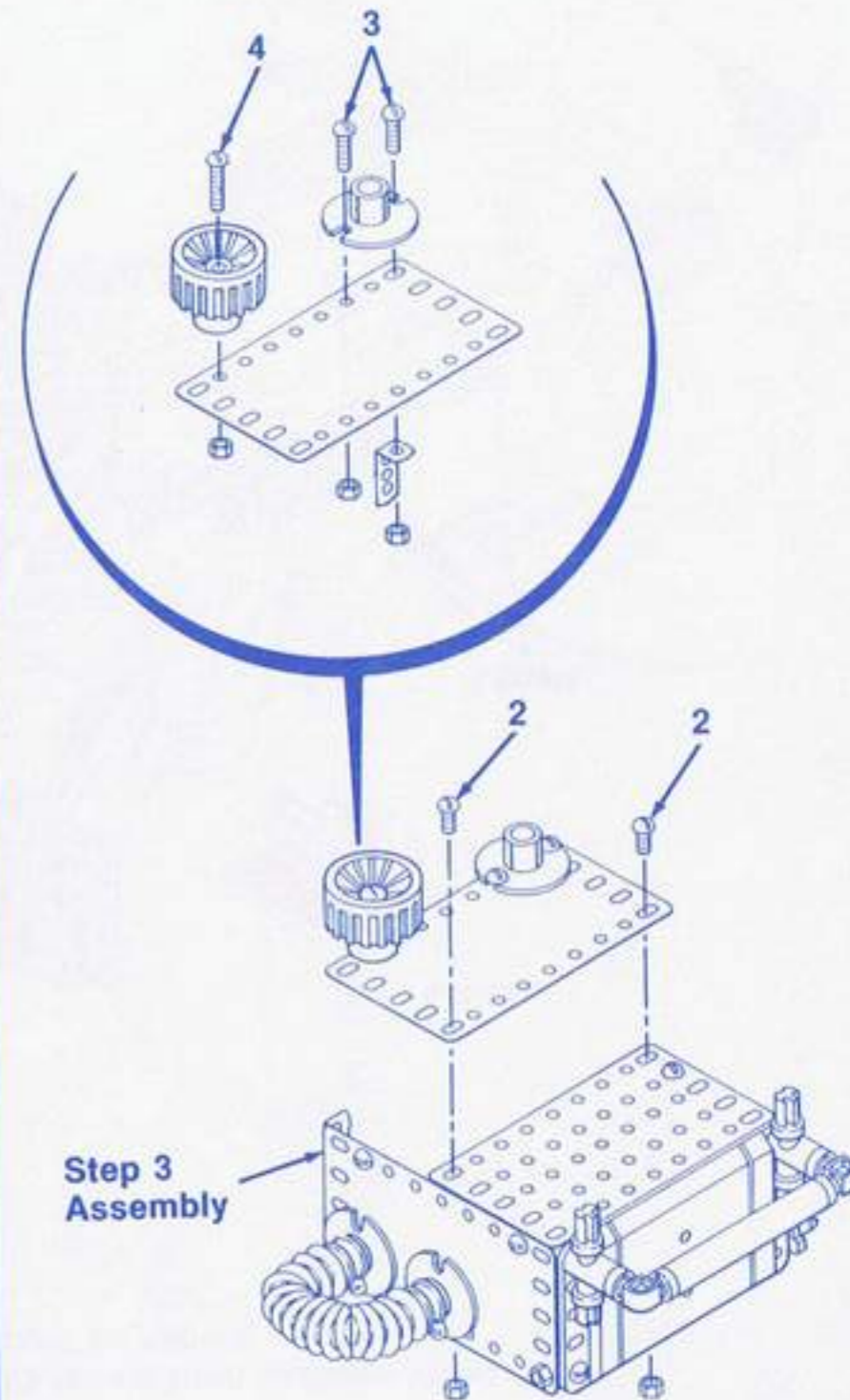
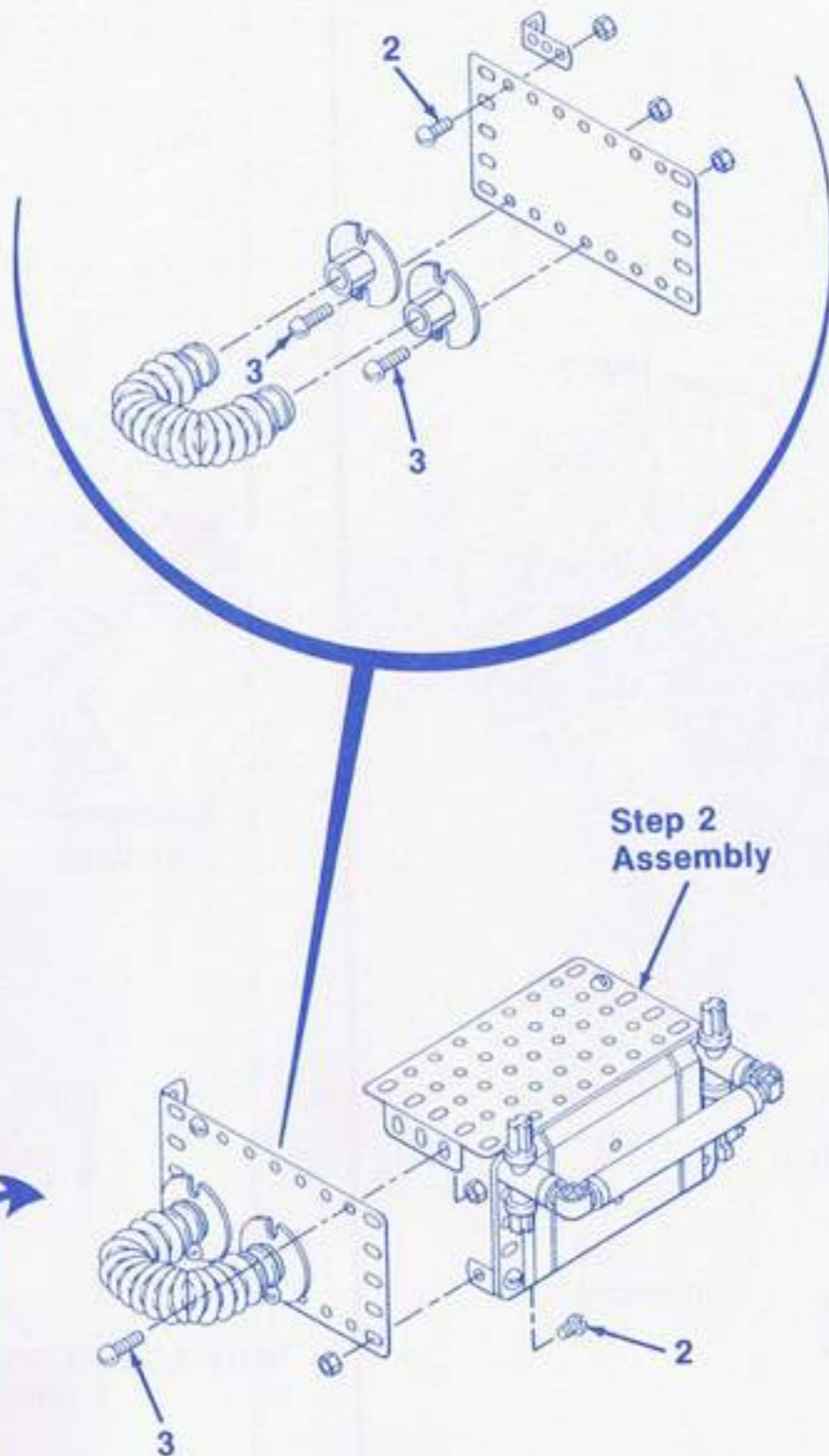
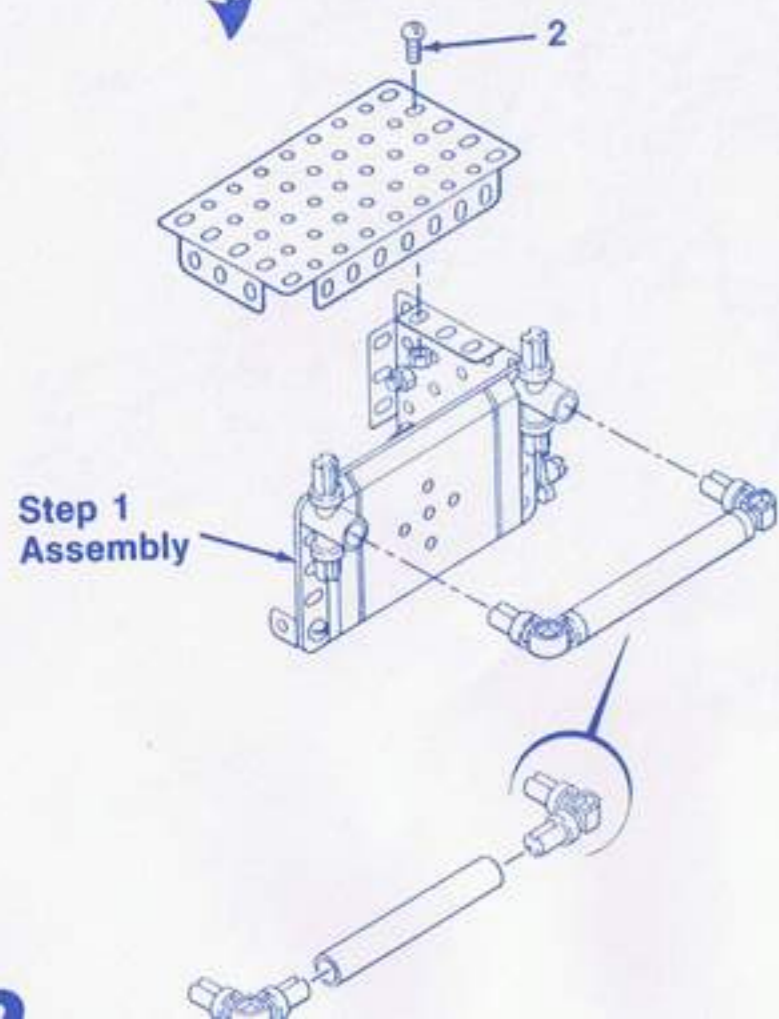
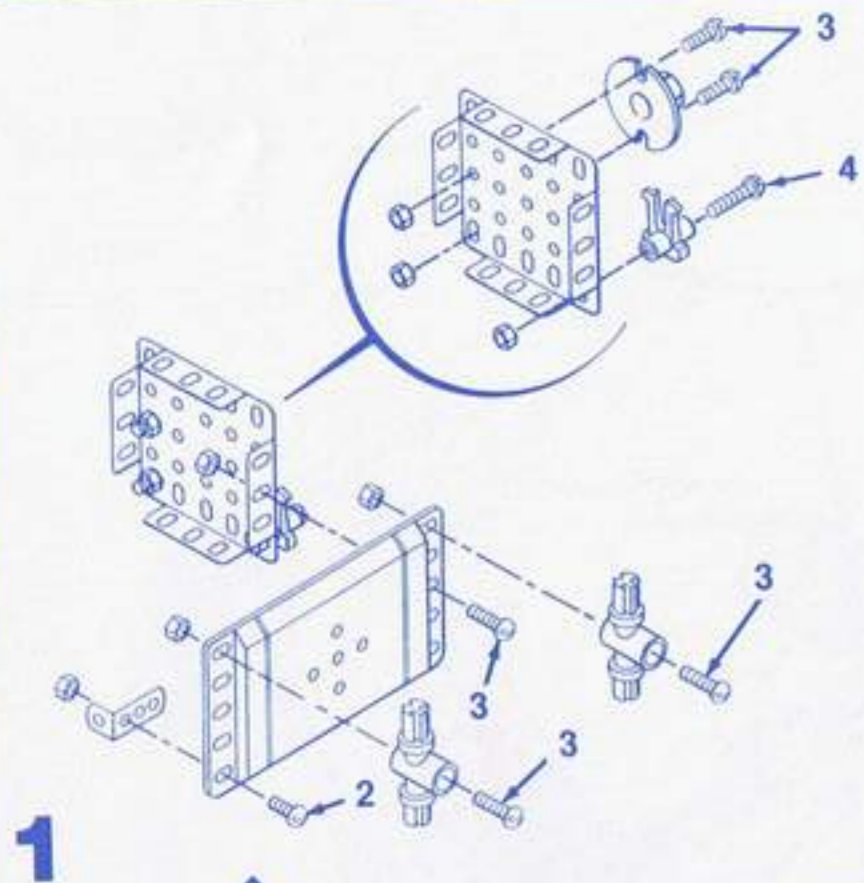
See pages 3 and 4,  
ASSEMBLY OF ROBOT ARM.

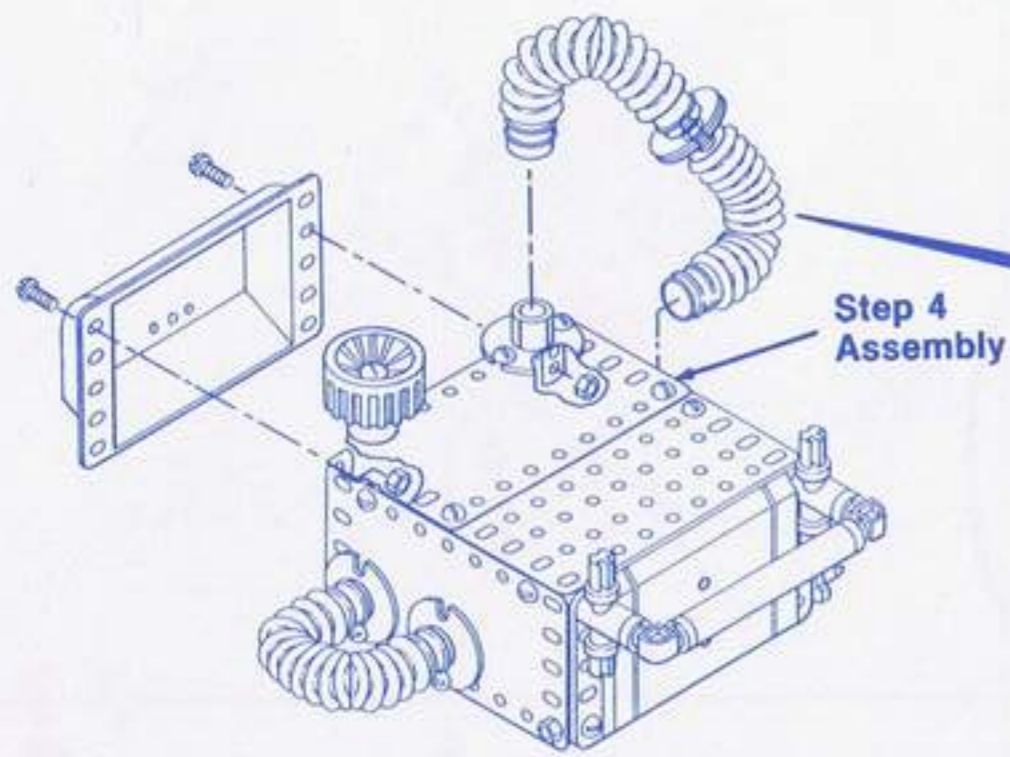


Remove labels from backing sheet  
and apply as shown.

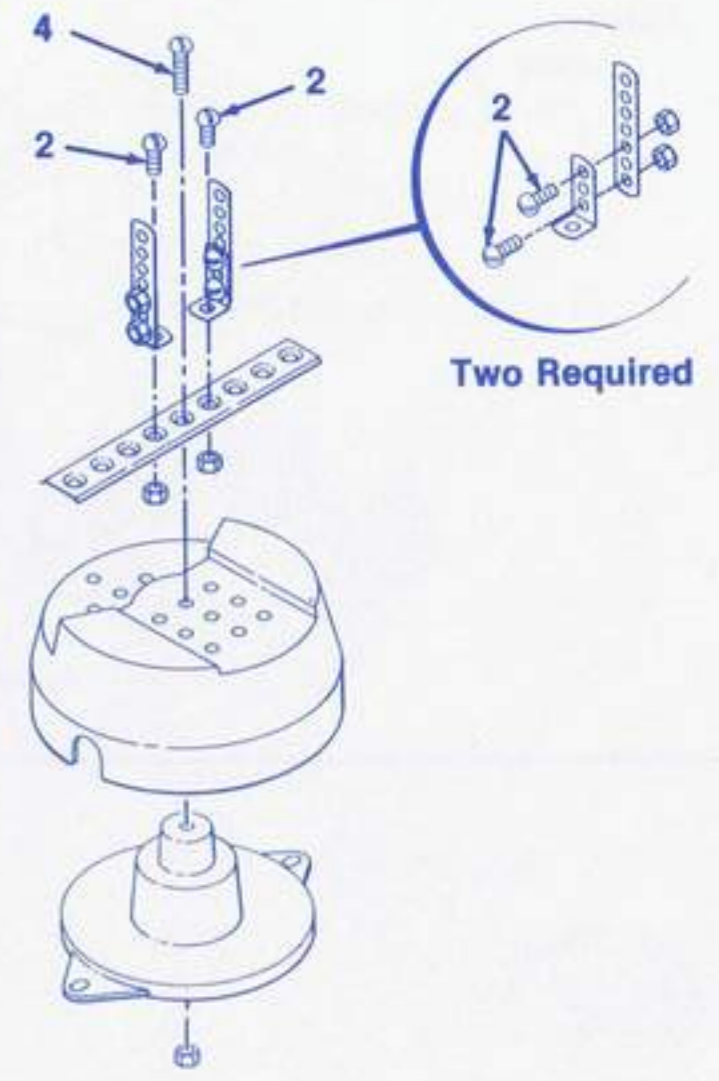
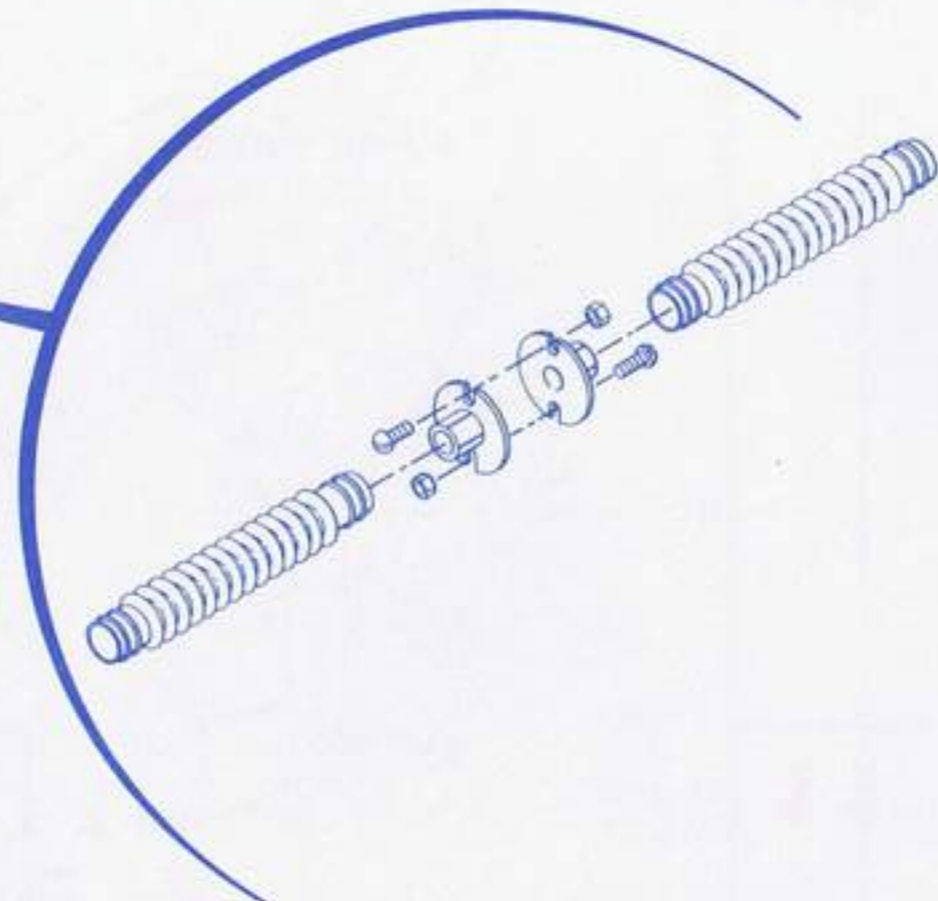


# DOUBLE-TURRET SPACE STATION

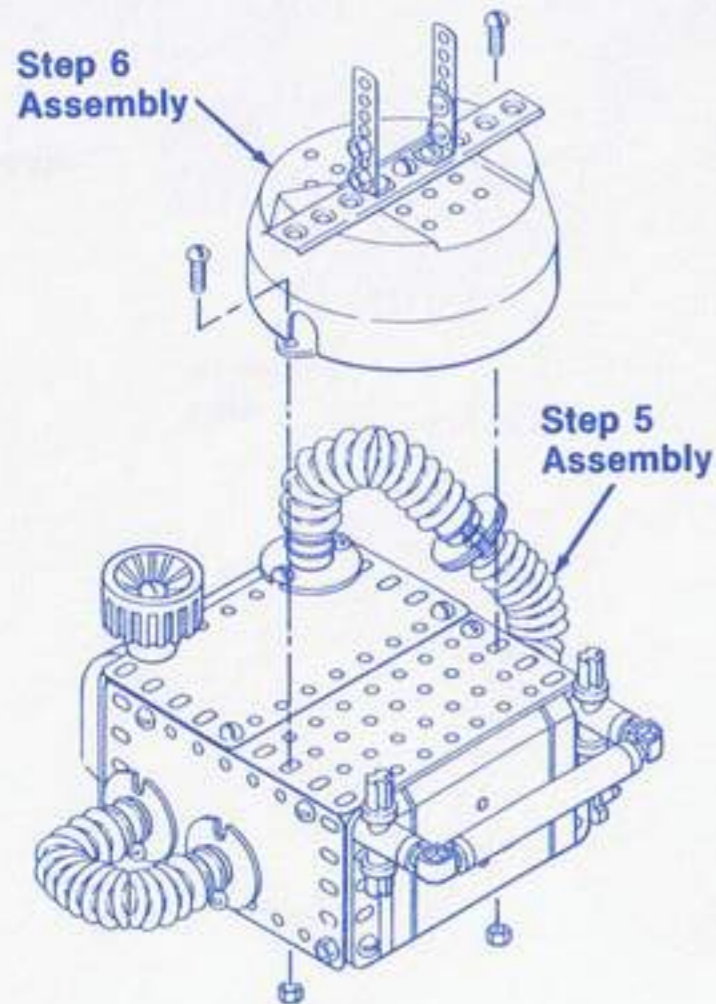




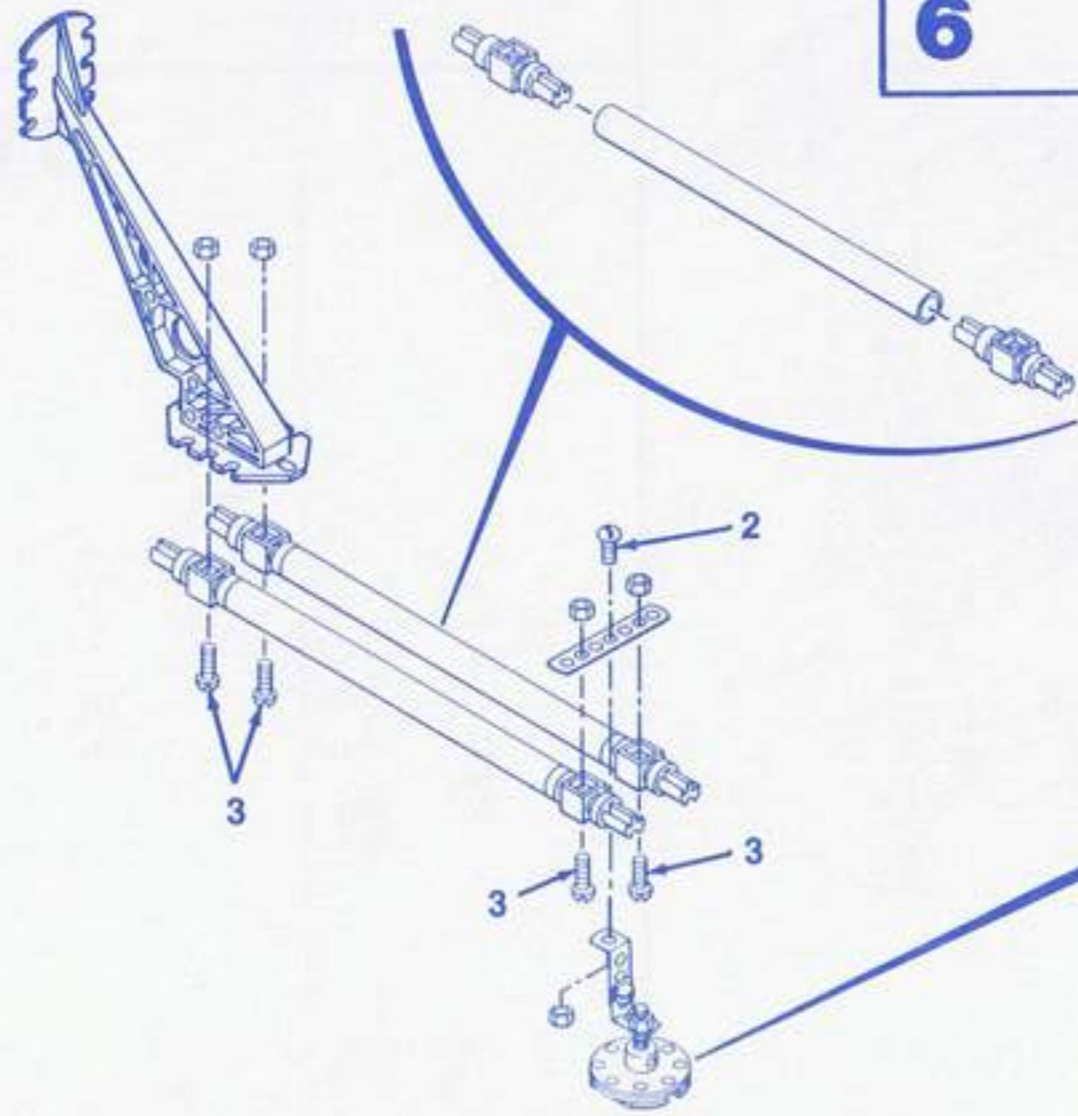
**5** Use #3 Screws



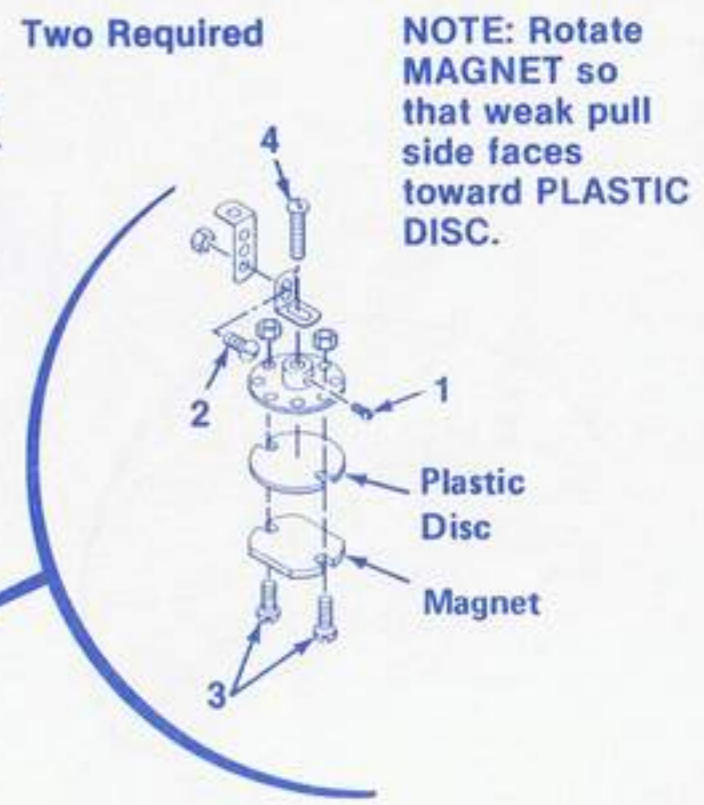
**6**

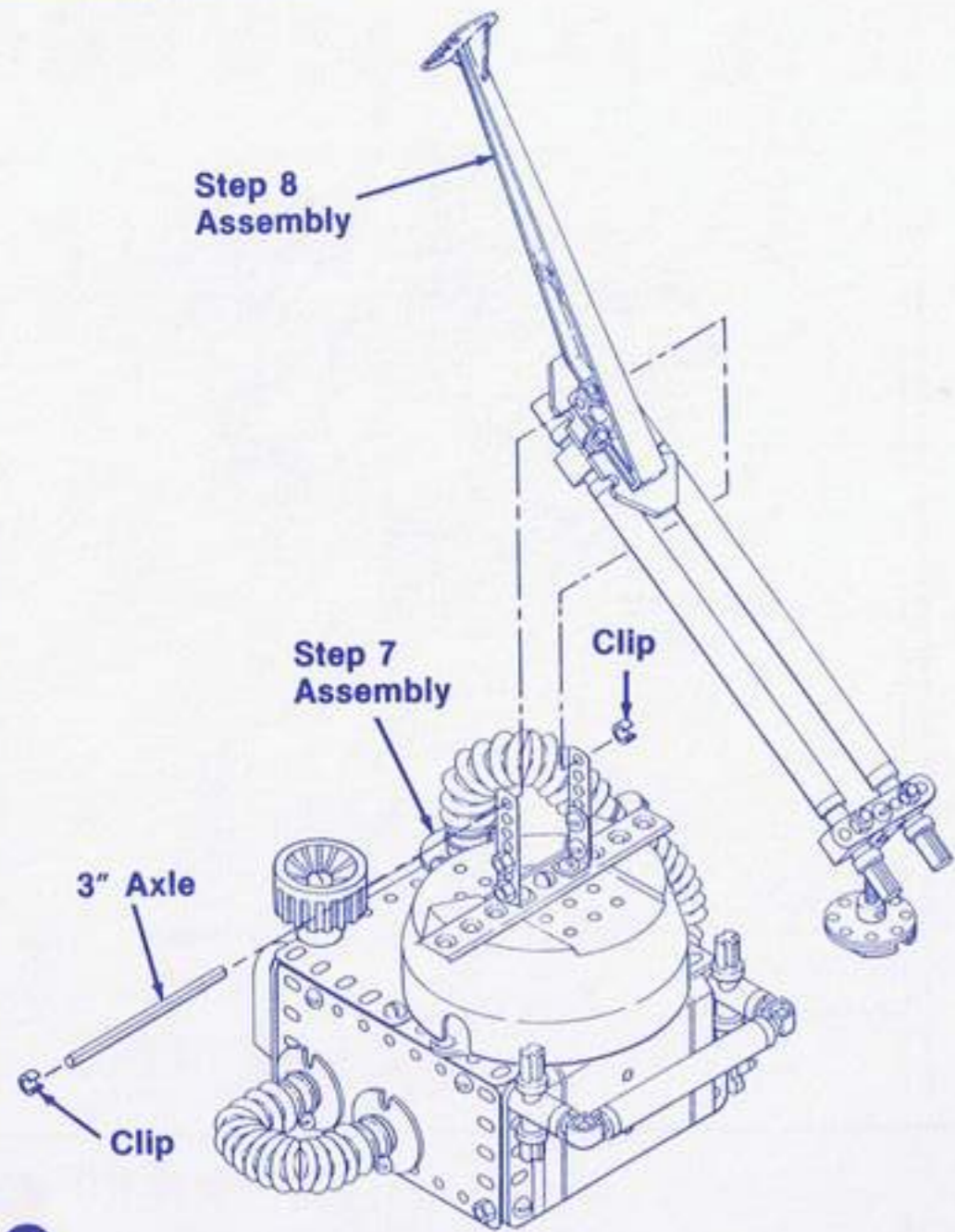


**7** Use #3 screws

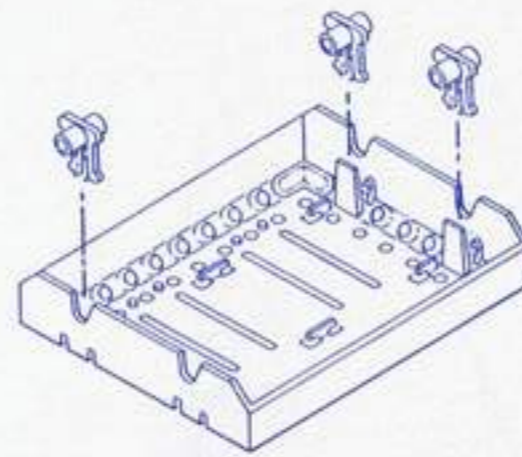


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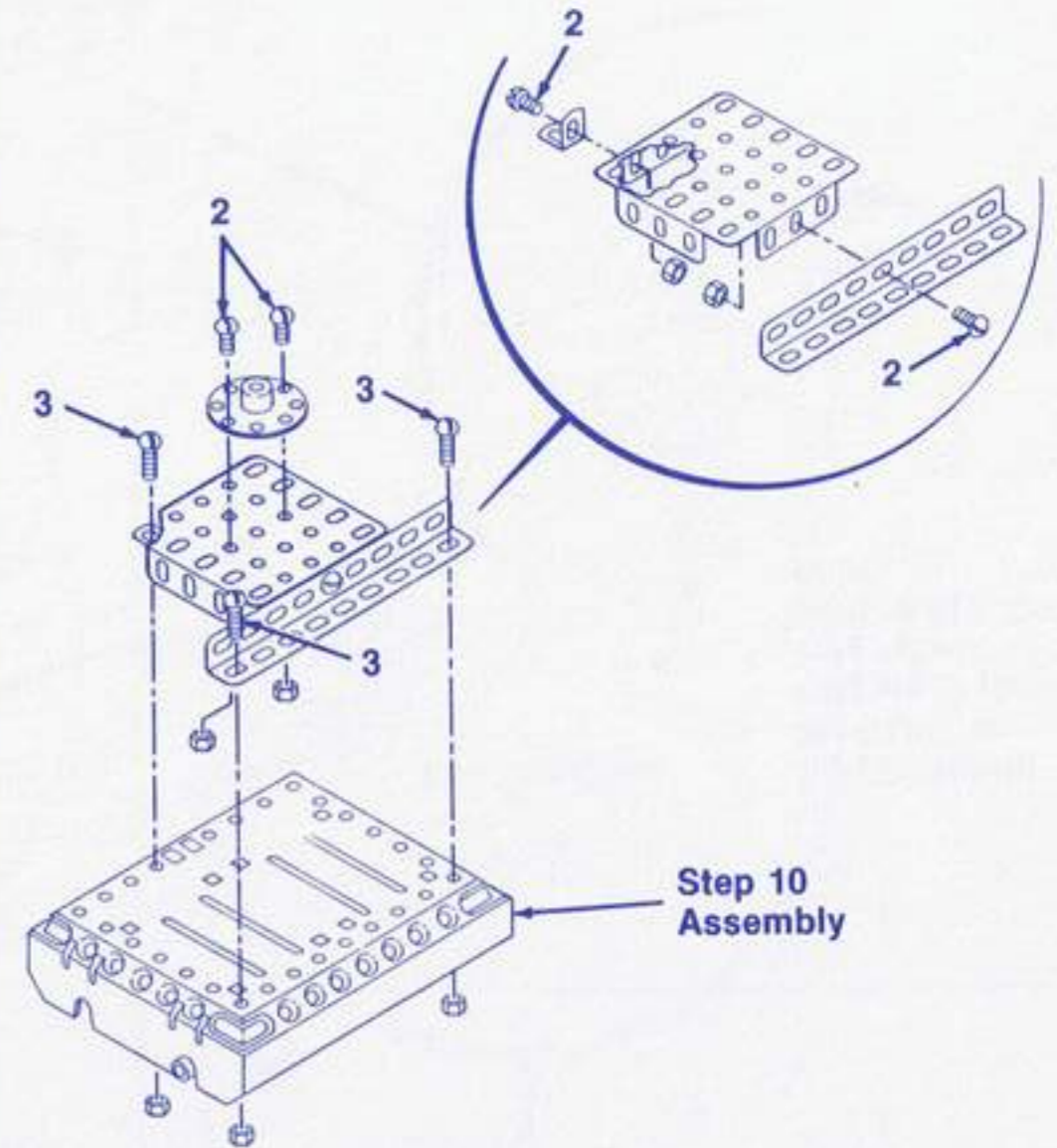




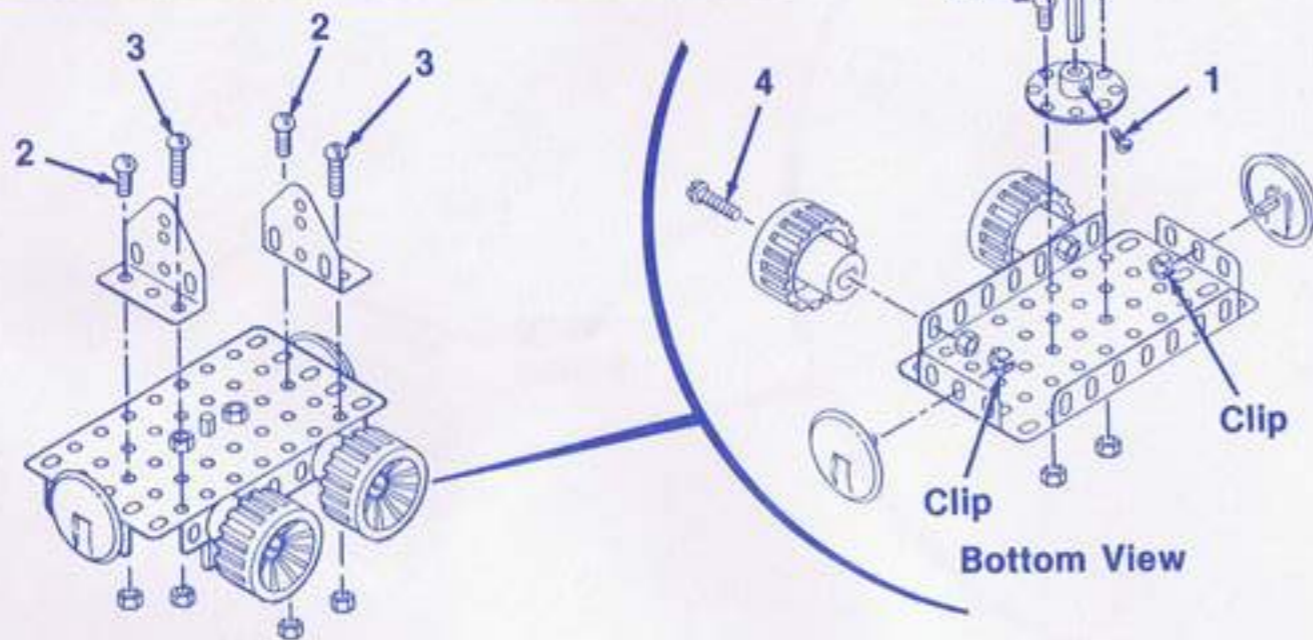
**9**



**10**



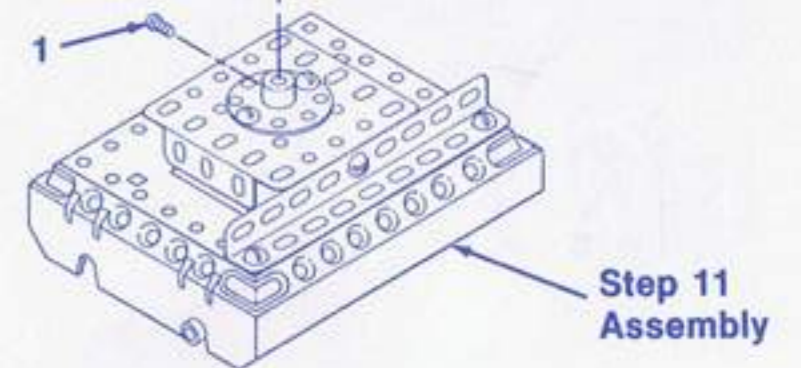
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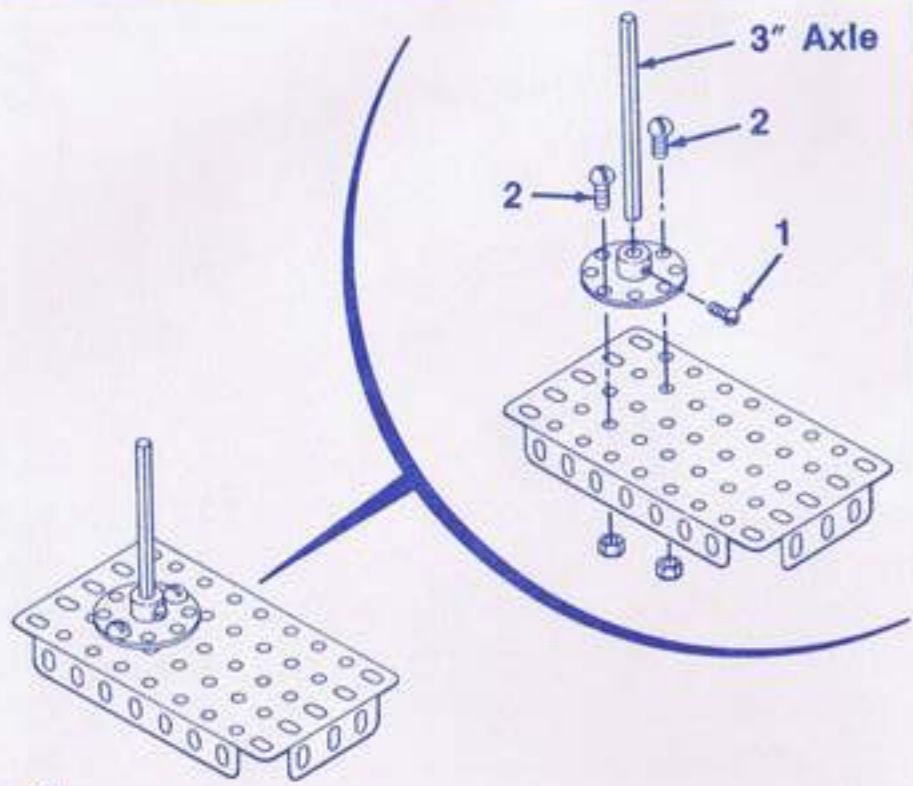


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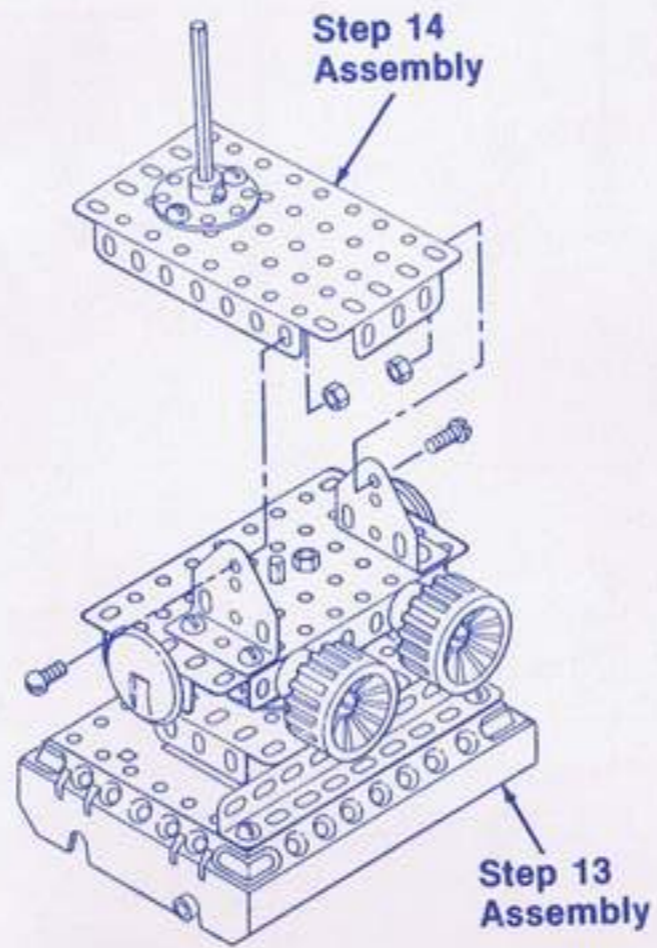


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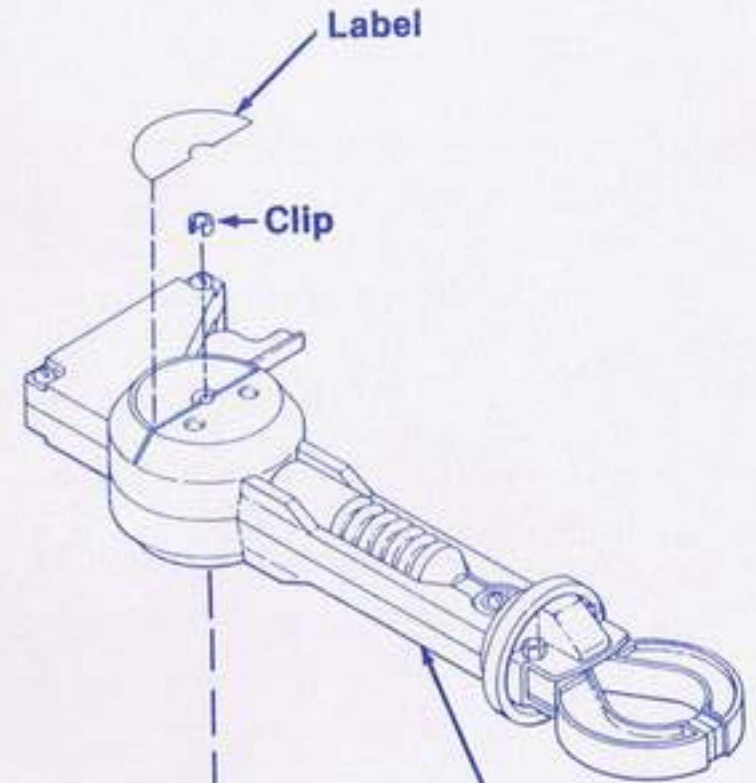


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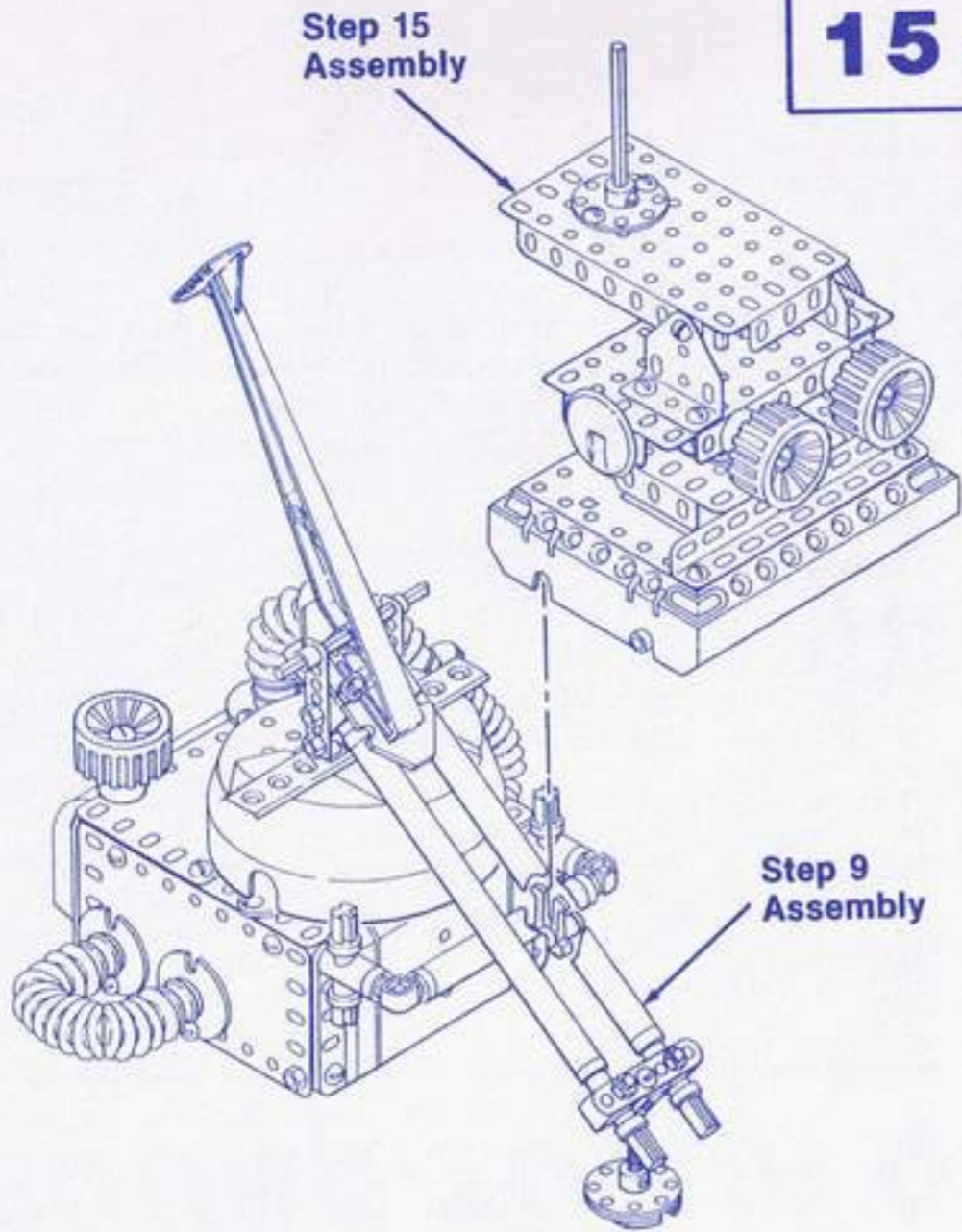


**15** Use #2 Screws

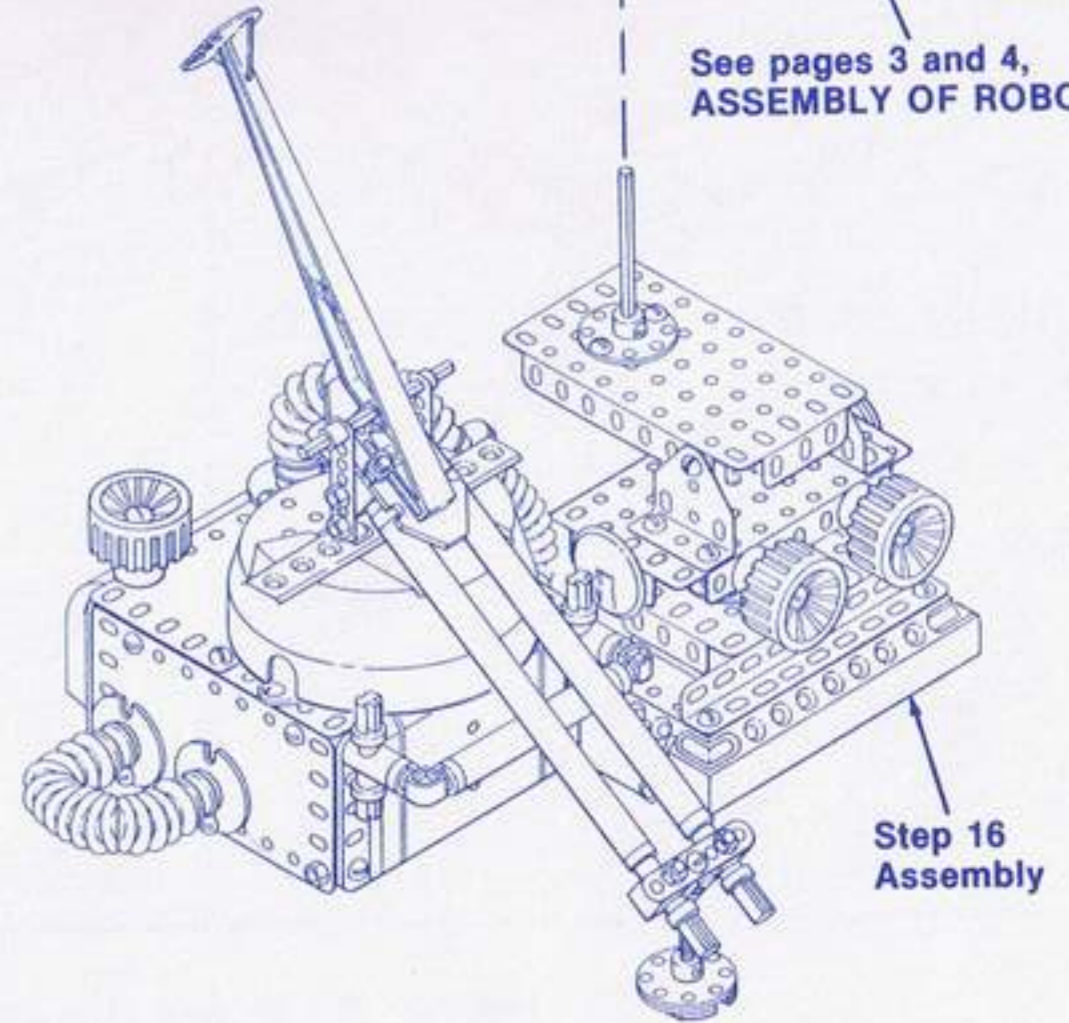
Remove labels from backing sheet and apply as shown.



See pages 3 and 4, ASSEMBLY OF ROBOT ARM.

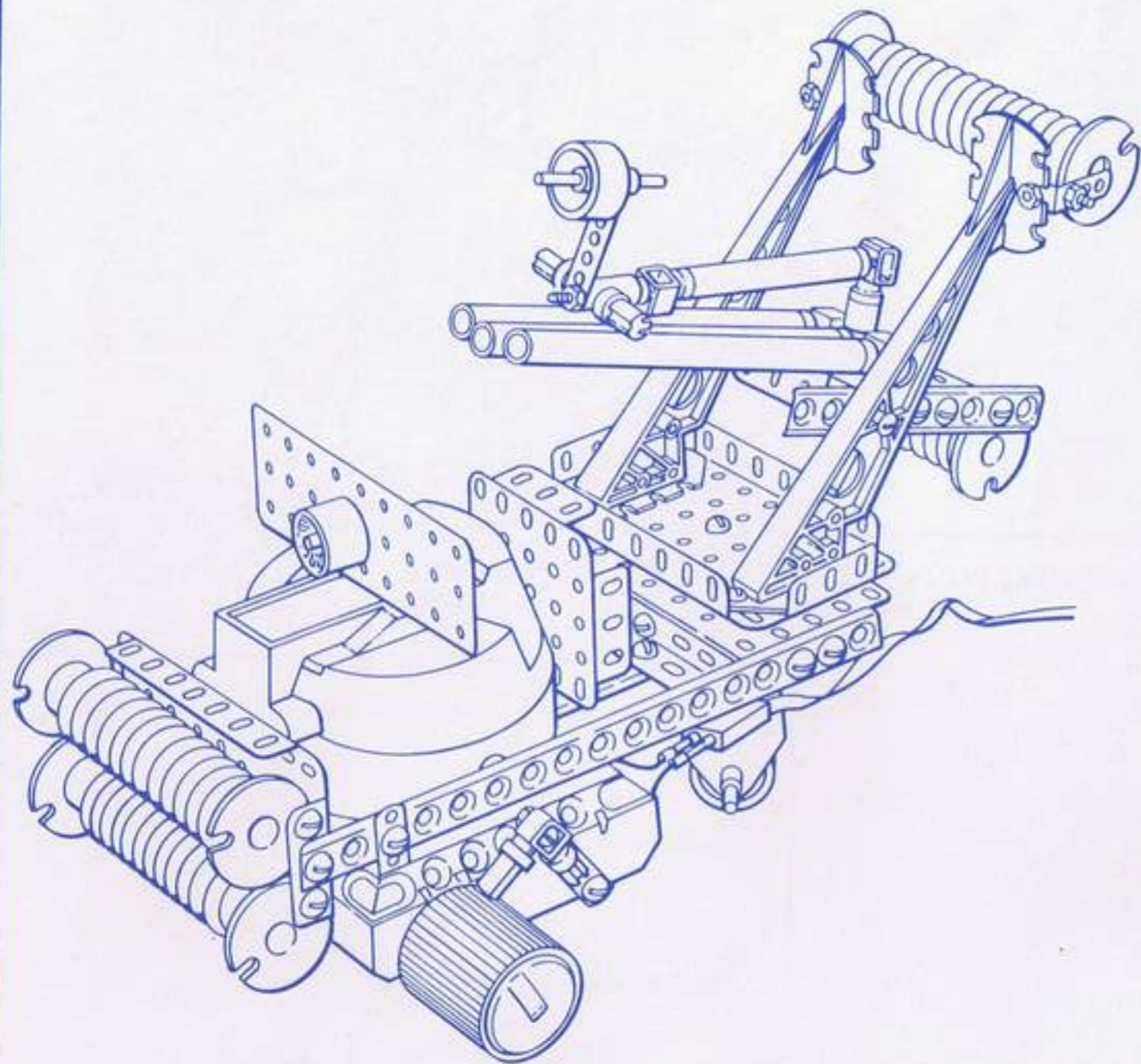


**16**

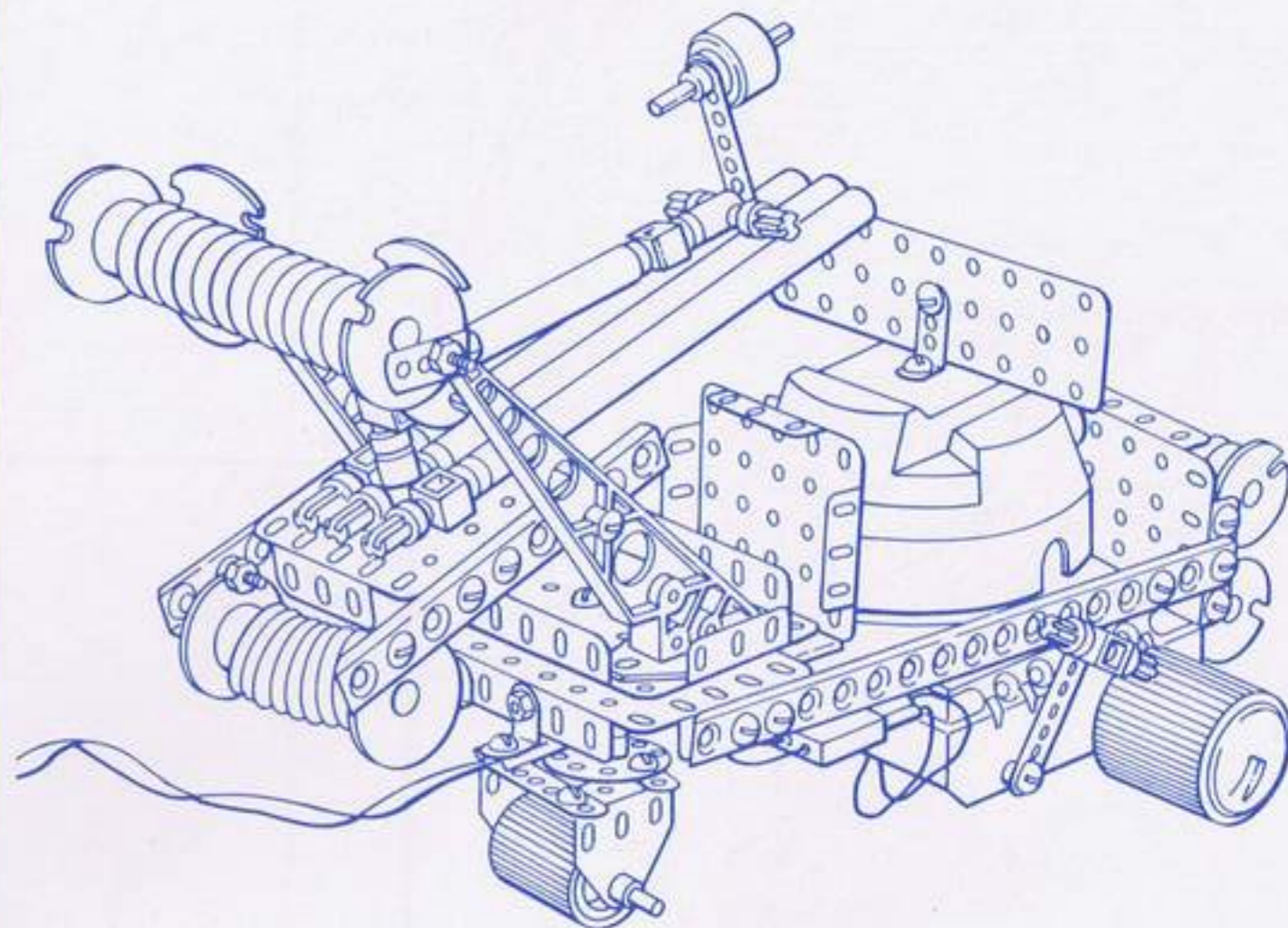


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# **GROUND-TO-AIR DEFENSE SHUTTLE™**



**Front View**



**Back View**