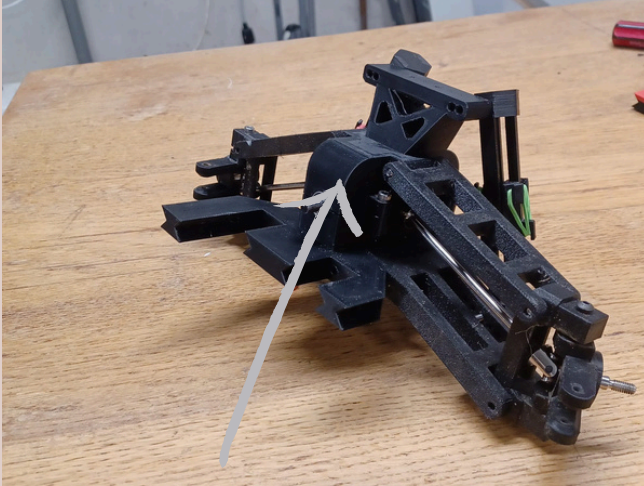
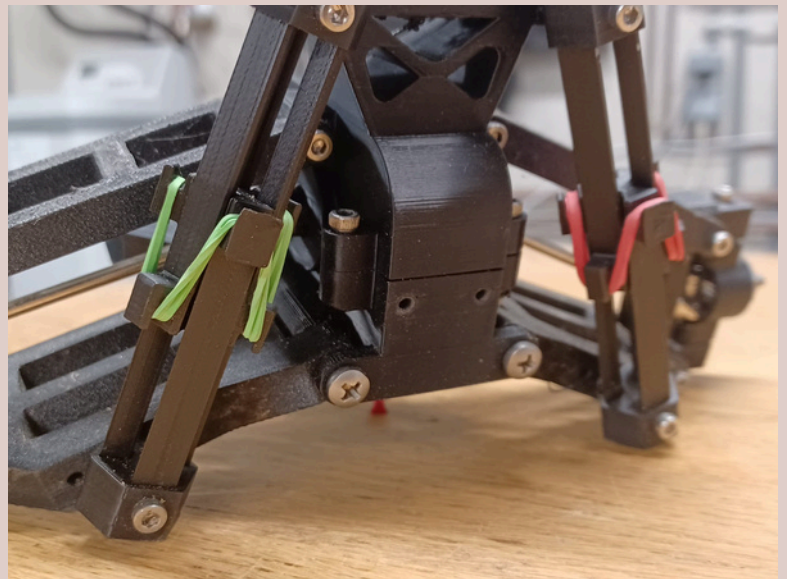


FRONT



THE FRONT SECTION OF THE RC CAR APPEARS AS FOLLOWS. THE THICK CASING IN THE CENTER IS THE DIFFERENTIAL HOUSING. THIS COMPONENT IS CRUCIAL, AS IT CONVERTS THE MOTOR'S MOTION INTO THE ROTATION OF THE WHEELS THROUGH A SERIES OF GEARS.

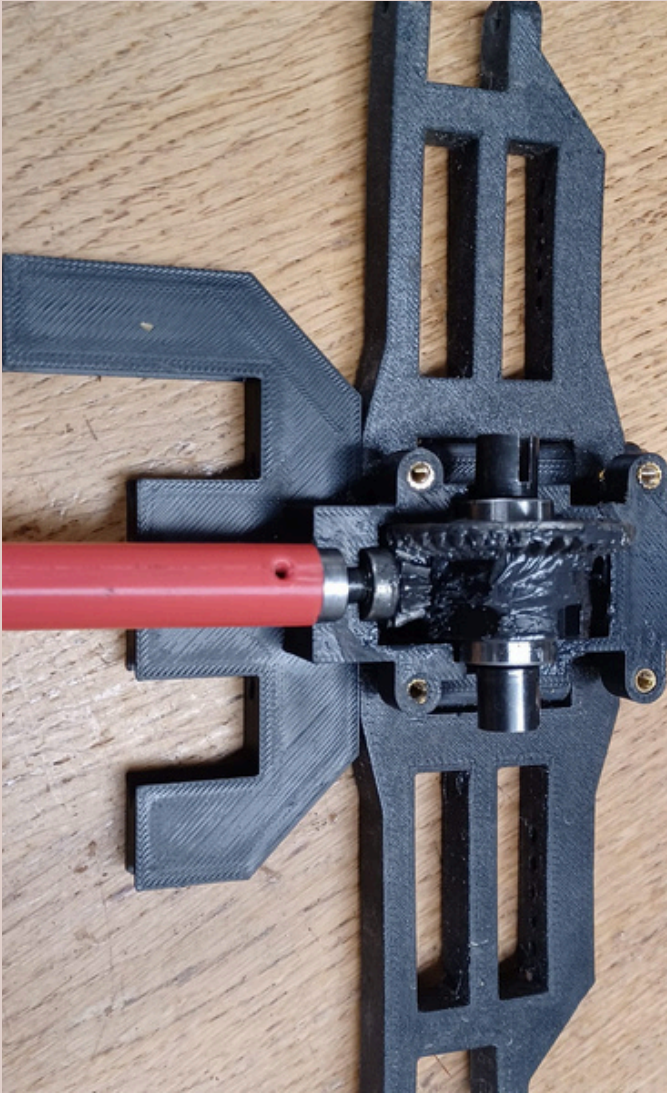
AT THE REAR, YOU CAN SEE THE SPRINGS, WHICH ARE DESIGNED TO KEEP THE CAR ELEVATED OFF THE GROUND, PREVENTING IT FROM SCRAPING. THE WHEELS WILL BE ATTACHED AT BOTH ENDS IN THE FINAL ASSEMBLY STAGE.



FOR THE REAR, FOLLOW THE EXACT SAME STEPS. ALIGN THE LARGE GEAR IN THE DIFFERENTIAL HOUSING IN THE SAME ORIENTATION AS BEFORE. IF YOU TURN THE DRIVESHAFT, ALL THE WHEELS SHOULD TURN IN THE SAME DIRECTION.

THE FRONT IS THE PART WITH THE TWO UNEQUAL CONNECTING PINS, WHILE THE REAR HAS TWO PINS OF EQUAL LENGTH.

STEP I



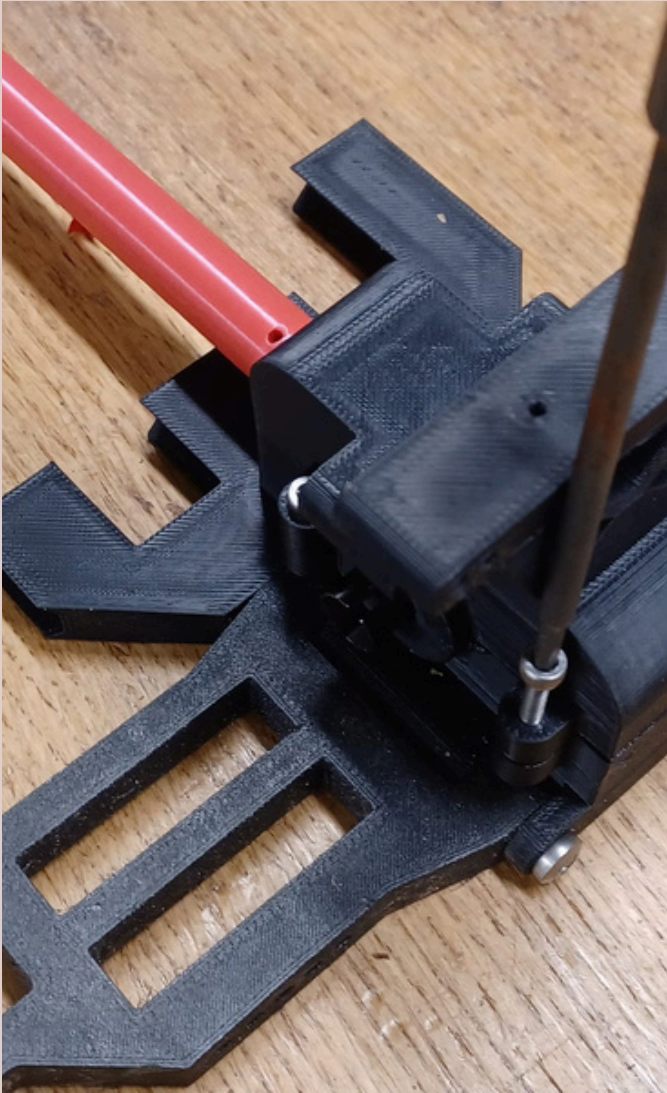
HERE IN THE CENTER, YOU CAN SEE THE DIFFERENTIAL HOUSING. MAKE SURE TO ALIGN THE LARGE GEAR OF THE DIFFERENTIAL IN THE SAME ORIENTATION AS SHOWN.

NEXT, PLACE THE SMALL GEAR IN ITS DESIGNATED POSITION.

BE SURE NOT TO FORGET TO APPLY GREASE, AS THIS WILL PREVENT THIS PART FROM OVERHEATING AND POTENTIALLY GETTING DAMAGED.

strong
TOGETHER

STEP 2



NOW, SCREW THE DIFFERENTIAL HOUSING ON TOP. IT SHOULD FIT PERFECTLY INTO PLACE. USE 16MM SCREWS FOR THIS STEP.

TO ENSURE EVERYTHING IS ASSEMBLED CORRECTLY, TRY TURNING ONE END OF THE DIFFERENTIAL; THE OPPOSITE END SHOULD ROTATE IN THE OPPOSITE DIRECTION.

WHEN YOU TURN THE DRIVESHAFT, BOTH SIDES SHOULD ROTATE IN THE SAME DIRECTION.

taa
COOL

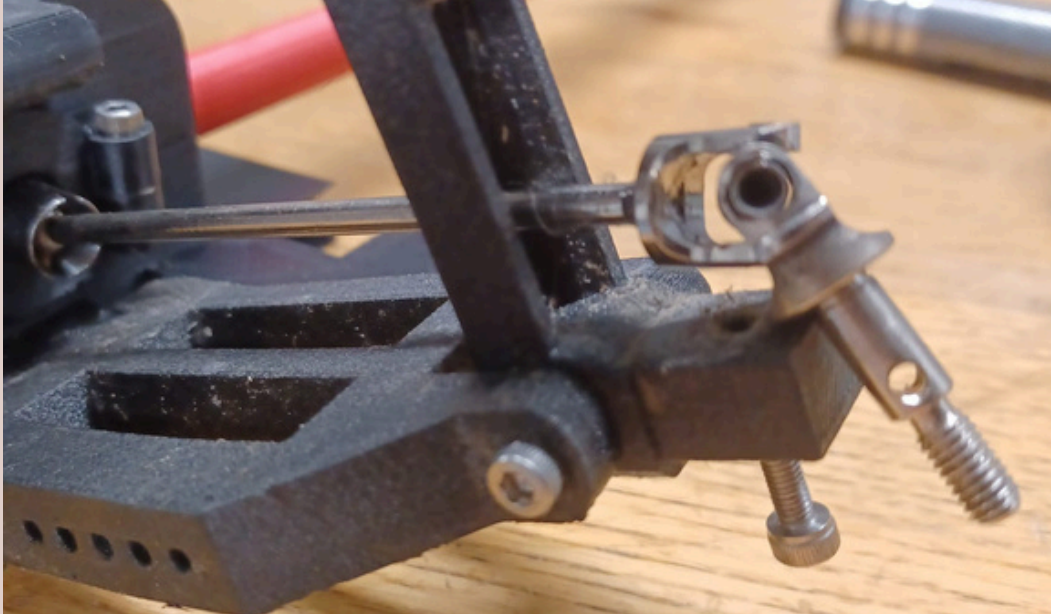
STEP 3



NEXT, SCREW THE COMPONENT SHOWN IN THE PHOTO INTO THE APPROPRIATE POSITION USING 25MM SCREWS. THIS PART IS SIMPLY AN EXTENSION OF THE ARM, DESIGNED TO SECURE THE FOLLOWING SECTION IN PLACE.

let's get
Screwing

STEP 4



THIS STEEL PIECE YOU SEE IN THE PHOTO IS THE DOG BONE. IT WILL TRANSMIT THE ROTATIONAL MOVEMENT FROM THE DIFFERENTIAL HOUSING TO THE AREA WHERE THE WHEELS WILL BE ATTACHED.

SECURE THE TWO PINS AT ONE END OF THE DOG BONE INTO THE ENDS OF THE DIFFERENTIAL. THE OTHER END CAN BE LEFT HANGING FOR NOW, AS SHOWN IN THE PHOTO.

let's get it

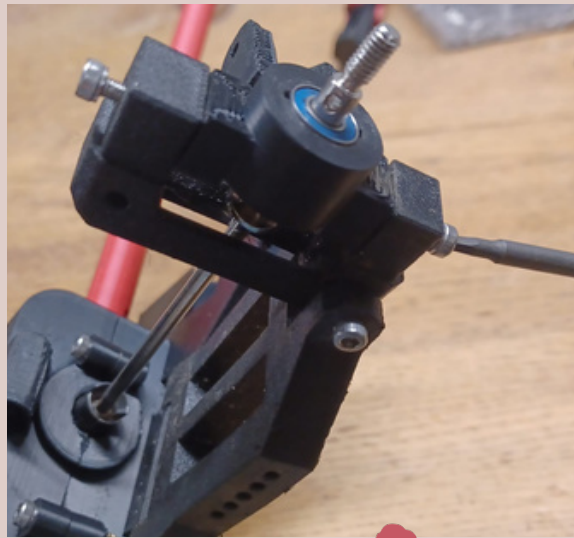
rolling

STEP 5



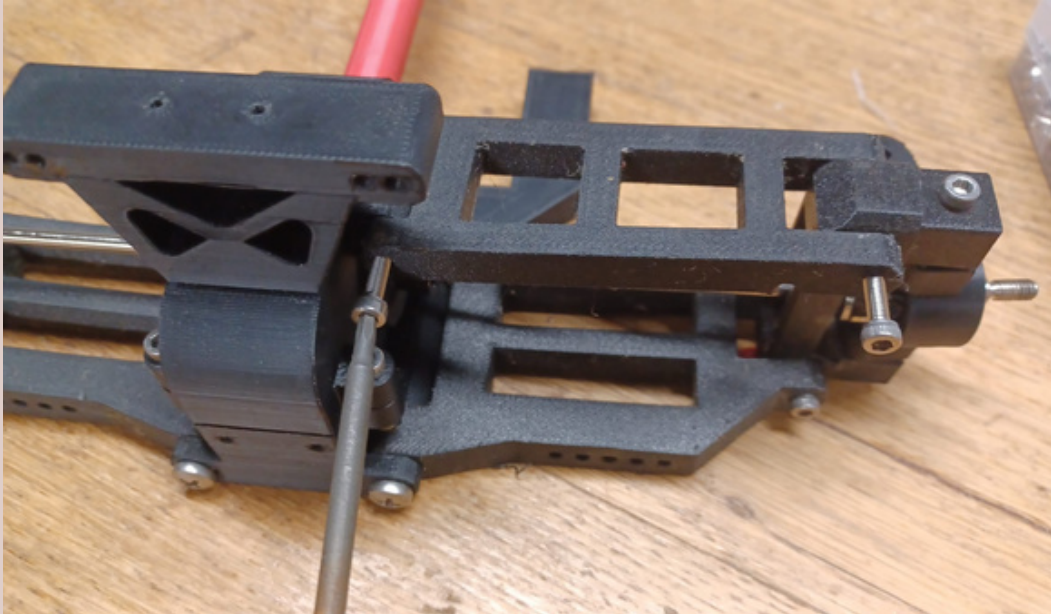
IN THIS SECTION, YOU NEED TO INSTALL TWO BEARINGS. THEY SHOULD FIT PERFECTLY INTO PLACE, WITH THE SMALLER BEARING ON THE OUTSIDE AND THE LARGER BEARING ON THE INSIDE.

NOW, ATTACH THIS PART TO THE EXTENDED ARM USING TWO SCREWS—ONE ON TOP AND ONE ON THE BOTTOM—BOTH 18MM IN LENGTH.



Rock & Roll

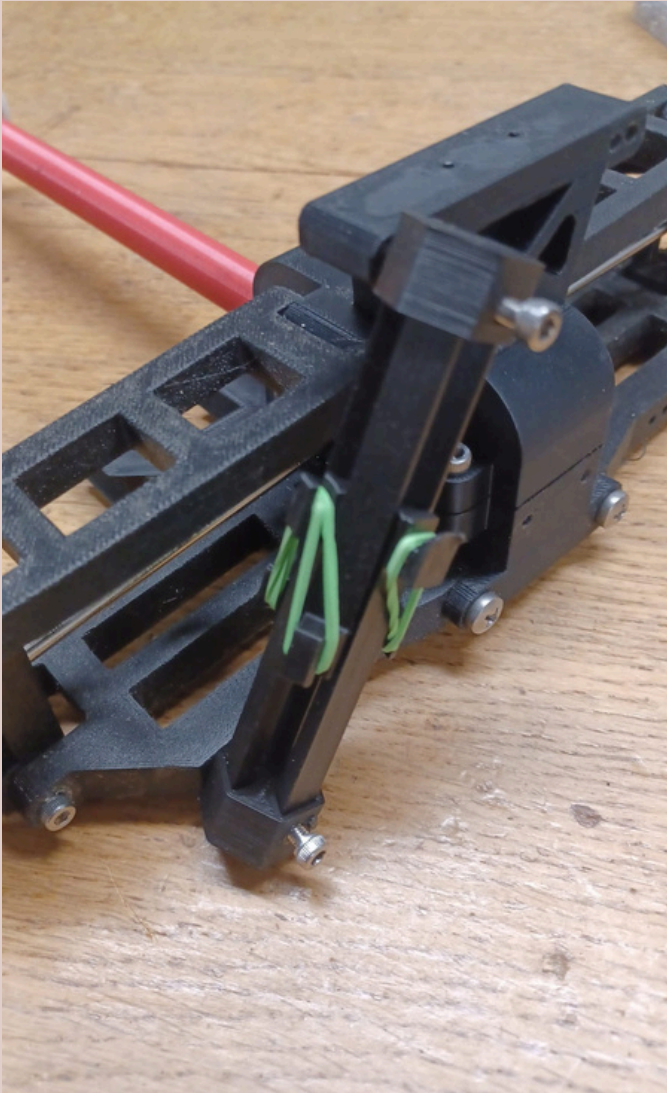
STEP 6



NOW, YOU'LL ATTACH THE UPPER ARM. THIS COMPONENT PROVIDES ADDITIONAL STABILITY AND HELPS KEEP EVERYTHING BALANCED. IT IS PERFECTLY SYMMETRICAL, SO THERE IS NO WRONG WAY TO POSITION IT. SECURE IT WITH A 30MM SCREW FROM THE TOP AND A 25MM SCREW FROM THE BOTTOM.

**great
work!**

STEP 7



THIS SPRING WILL KEEP THE CAR ELEVATED OFF THE GROUND. UNFORTUNATELY, THE RUBBER BANDS ARE SOMEWHAT WEAK AND MAY TEAR EASILY, BUT DON'T WORRY—JUST REPLACE THE RUBBER BANDS, AND YOUR SPRING WILL BE AS GOOD AS NEW.

YOU CAN ATTACH THE SPRING USING A 30MM SCREW AT THE TOP AND A 25MM SCREW AT THE BOTTOM. THE POSITION OF THE BOTTOM HOLE DOESN'T MATTER, BUT IT SHOULD ALIGN WITH THE OTHER SIDE. THE CLOSER THE ATTACHMENT IS TO THE DIFFERENTIAL HOUSING, THE HIGHER THE CAR WILL SIT.

WOW!