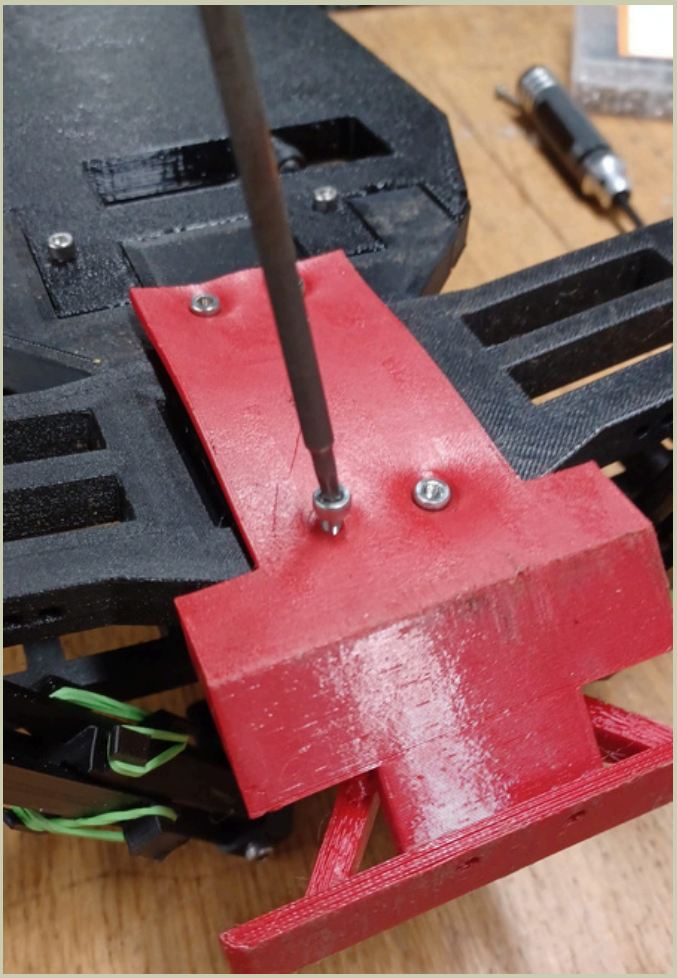
FINAL

YOU'RE ALMOST AT THE END OF THIS GUIDE! IN THIS FINAL STEP, WE'LL FINISH UP THE LAST DETAILS: CONNECTING THE CABLES, ATTACHING THE WHEELS, AND TURNING OUR RC CAR INTO A TRUE TESLA CYBERTRUCK.

THESE ARE CRUCIAL STEPS BECAUSE WHEN YOU OPEN OR DISASSEMBLE THE CAR IN THE FUTURE, THESE WILL ALWAYS BE THE FIRST THINGS YOU'LL NEED TO HANDLE.
SO, IT'S IMPORTANT TO KNOW HOW TO DO THEM CORRECTLY. TAKE YOUR TIME AND ENSURE EVERYTHING IS DONE PROPERLY.
GOOD LUCK!

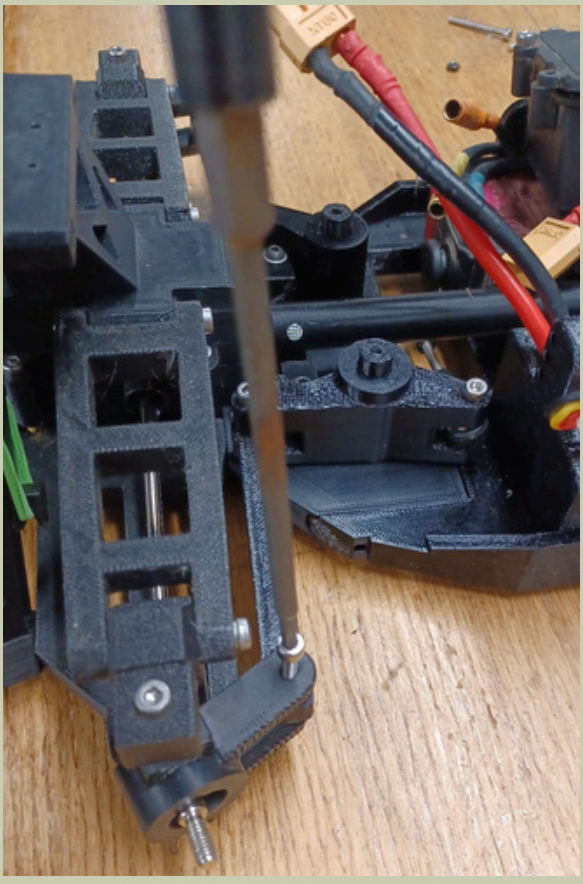
STEP 1



WE BEGIN THE FINAL STEP BY ATTACHING THE BUMPER. THIS PART IS 3D-PRINTED USING TPU, AN ELASTIC FILAMENT THAT IS PERFECT FOR ABSORBING IMPACTS—LIKE WHEN YOU CRASH HARD INTO A POLE. SECURE THE BUMPER TO THE FRONT OF THE CAR BY SCREWING IT INTO THE FOUR PRE-DRILLED HOLES AT THE BACK USING 8MM SCREWS. THESE SHOULD BE TIGHTENED FIRMLY.

almost there

STEP 2



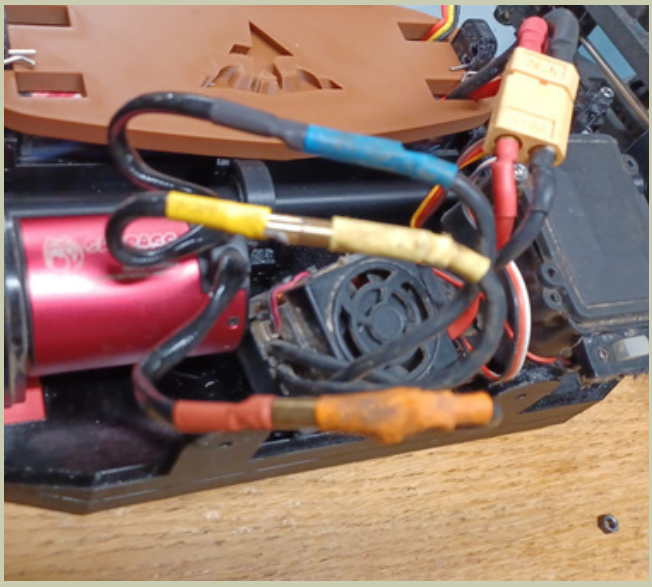
IN THIS STEP, WE WILL ATTACH THE STEERING ARMS TO THE PARTS WHERE THE WHEELS WILL LATER BE MOUNTED. USE AN 18MM SCREW FOR THIS.
TO TEST WHETHER THE STEERING MECHANISM IS FUNCTIONING CORRECTLY, MOVE THE ARM CONNECTED TO THE SERVO BACK AND FORTH. THE RESULT SHOULD BE THAT THE PARTS WHERE THE WHEELS WILL BE ATTACHED MOVE BACK AND FORTH ON BOTH SIDES.

FAST & STEADY

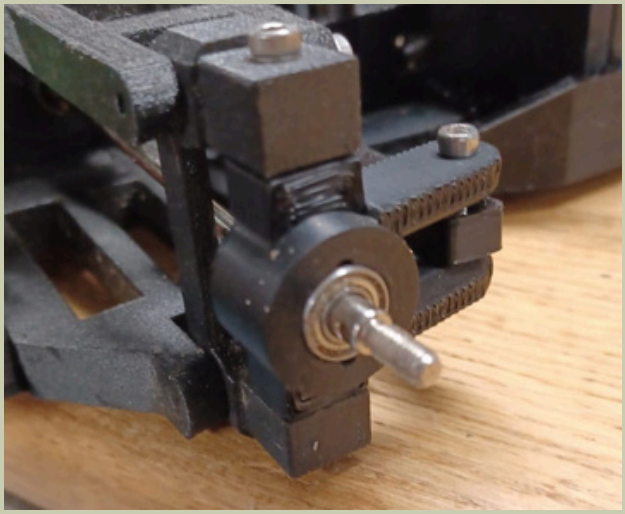
STEP 3

SLIDE THE BATTERY HOLDER ONTO THE PINS USING THE TWO MIDDLE HOLES. THE OTHER HOLES ARE DESIGNED FOR THE BATTERY CABLES, ALLOWING THE BATTERY TO BE POSITIONED IN EITHER DIRECTION. YOU CAN SECURE THE HOLDER BY INSERTING THE FASTENING PINS, SHOWN IN THE PHOTO, INTO THE LOWEST POSSIBLE HOLE TO ENSURE THE HOLDER STAYS FIRMLY IN PLACE.

NOW, CONNECT THE MOTOR CABLES TO THE ESC CABLES BY MATCHING THE COLORS—EACH COLOR SHOULD CONNECT TO ITS CORRESPONDING COLOR. THE MOTOR CABLE SHOULD ALSO BE PLUGGED INTO THE CORRESPONDING ESC CABLE. THIS IS ALSO HOW YOU WILL CONNECT THE BATTERY, BUT DON'T DO THIS JUST YET TO AVOID DRAINING THE BATTERY.

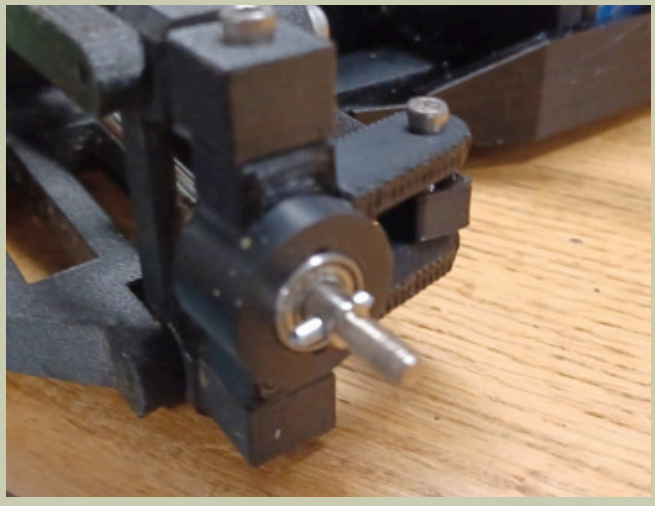


STEP 4



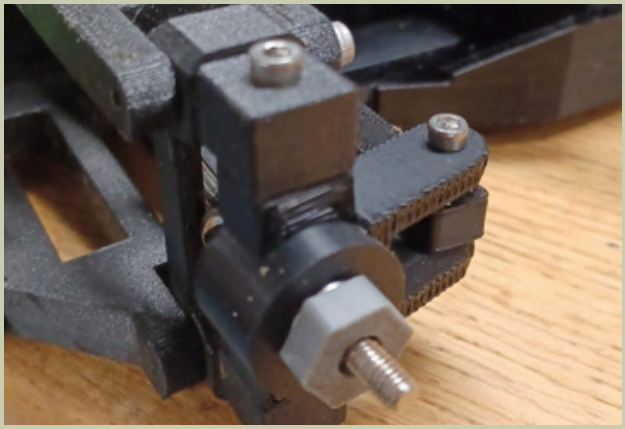
NEXT, WE'LL PROCEED WITH ATTACHING THE WHEELS. START BY PLACING A BEARING INTO THE PRE-MADE HOLE AT EACH END, AS SHOWN IN THE PHOTO. THE BEARING ENSURES THAT THE WHEEL ROTATES SMOOTHLY.

NEXT, INSERT A SMALL PIN THROUGH THE HOLE JUST IN FRONT OF THE BEARING. THIS PIN WILL ENSURE THAT THE NUT, ON WHICH THE WHEEL IS MOUNTED, ROTATES TOGETHER WITH THE AXLE.



HAPPY HOUR

STEP 5



NOW, SLIDE THE HEXAGONAL NUT ONTO THE PIN. THE INNER PART OF THE WHEEL WILL FIT PERFECTLY ONTO THIS NUT, ALLOWING IT TO ROTATE TOGETHER WITH THE NUT.

NEXT, SLIDE THE 3D-PRINTED WHEEL ONTO THE HEX NUT. THIS WHEEL IS ALSO PRINTED FROM A FLEXIBLE FILAMENT, PROVIDING EXCELLENT GRIP ON THE GROUND AND GOOD SHOCK ABSORPTION, WHICH HELPS REDUCE THE IMPACT DURING HARD COLLISIONS.

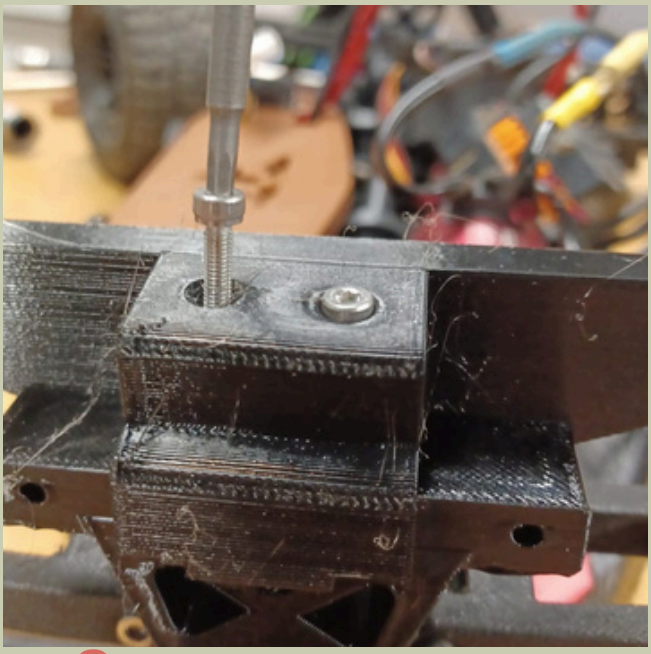
FINALLY, SCREW THE 7MM NUT ONTO THE BACK OF THE WHEEL USING THE SPECIAL SCREWDRIVER. THIS NUT WILL HOLD THE WHEEL SECURELY IN PLACE.THE TIGHTER YOU SCREW IT, THE BETTER IT WILL HOLD THE WHEEL IN PLACE.

Already rollin'!

STEP 6

IN THE FINAL STEP, WE WILL ATTACH THE HOOD. BUT FIRST, WE NEED TO PLACE THE PINS THAT WILL SUPPORT THE HOOD. WE'LL START AT THE FRONT. SNAP THIS COMPONENT INTO PLACE AND SECURE IT WITH 14MM SCREWS.

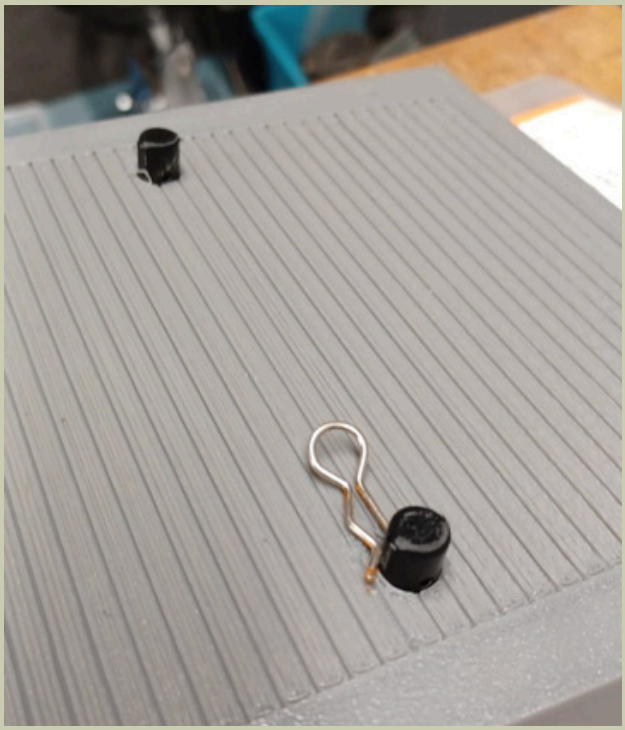
AT THE BACK, THE COMPONENT IS SLIGHTLY TALLER AND THICKER, MAKING IT A BIT MORE CHALLENGING TO SNAP INTO PLACE. HOWEVER, ONCE IT'S PROPERLY POSITIONED, SECURE IT WITH 18MM SCREWS.



Today

is yours to conquer.

STEP 7



FINALLY, WE WILL ATTACH THE HOOD. THIS IS AN IMPORTANT STEP TO REMEMBER, AS YOU'LL PERFORM THIS ACTION FREQUENTLY WHEN REPLACING PARTS, REMOVING THE BATTERY, AND SO ON.
ALIGN THE PINS FROM THE PREVIOUS COMPONENTS WITH THE HOLES IN THE HOOD, AND THEN PUSH THE METAL CLIPS THROUGH THE HOLES IN THE PINS TO SECURE THE HOOD IN PLACE.

SCAN ME