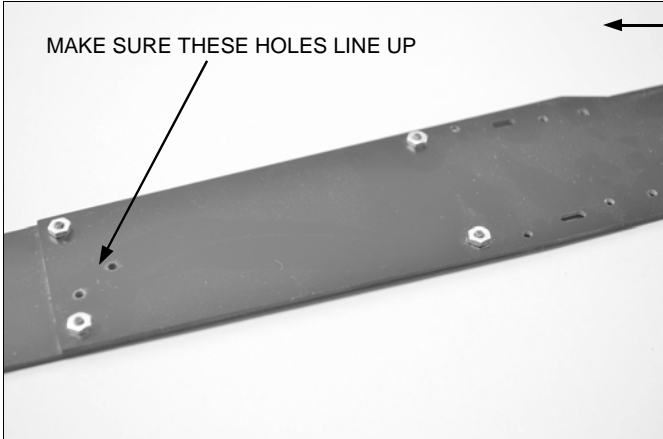




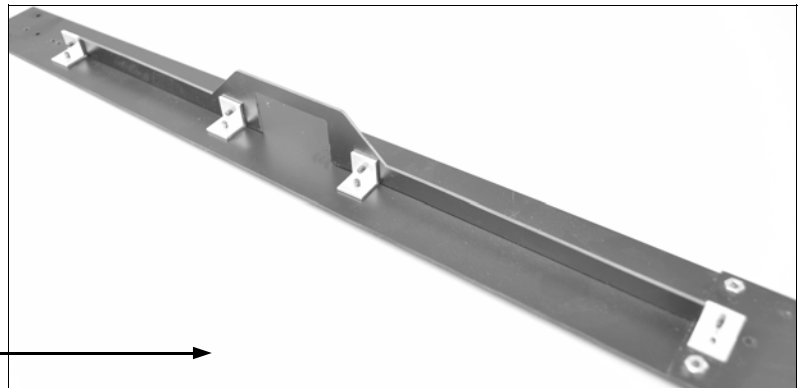
RJS2003 DRAGSTER KIT LESS ELECTRICS

THANKS FOR BUYING THIS RJ SPEED DRAGSTER KIT . IT IS MADE FOR STRAIGHT LINE DRAG RACING AND MAY BE BROKEN IF RUN INTO SOLID OBJECTS REPEATEDLY AT HIGH SPEED. IT REQUIRES A MOTOR, BATTERY PACK, AND A TWO CHANNEL RADIO CONTROL UNIT WITH ONE SERVO AND AN ESC. A STANDARD SIZE OR MINI SERVO IS GOOD FOR THE STEERING AND MOST ESC'S WILL WORK. YOU NEED TO BUY AN ESC TO MATCH UP WITH THE MOTOR YOU ARE GOING TO USE.

YOU WILL NEED A SMALL PAIR OF PLIERS, AND A 1/4" WRENCH OR NUT DRIVER. HEX WRENCHES TO FIT THE SOCKET HEAD SCREWS IN THE KIT ARE INCLUDED. YOU WILL ALSO NEED PAINT FOR THE BODY AND WING THAT IS MADE FOR LEXAN PLASTIC.

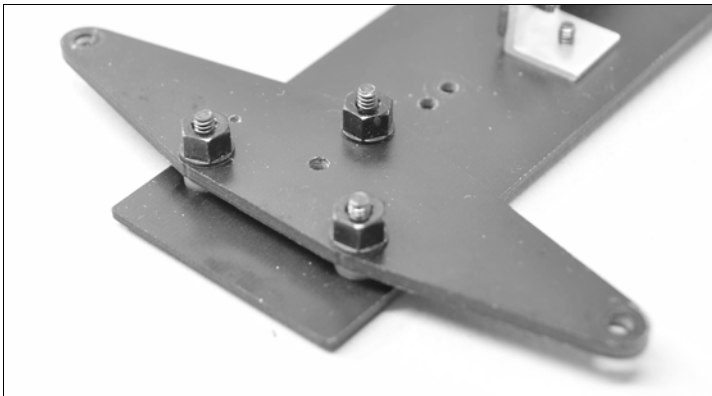
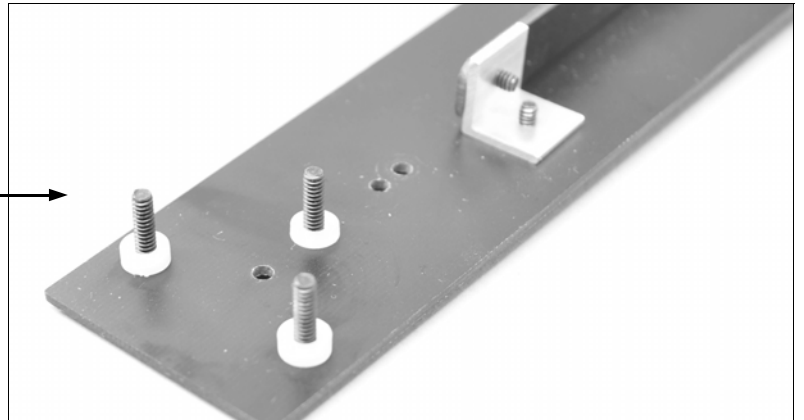


STEP 1 OPEN BAG D1 AND THE HDWE BAG INSIDE IT. ASSEMBLE THE 5231 SUB FRAME TO THE 5031 CHASSIS (SUB FRAME ON TOP) WITH 4 1/4" SCREWS AND NUTS.



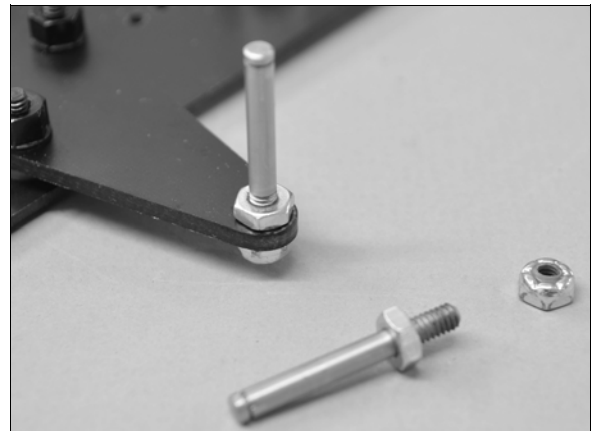
STEP 2 ATTACH THE BRACE WITH FOUR ANGLE BRACKETS AND EIGHT 1/4" SCREWS. INSTALL ALL THE SCREWS LOOSLY , THEN TIGHTEN THEM.

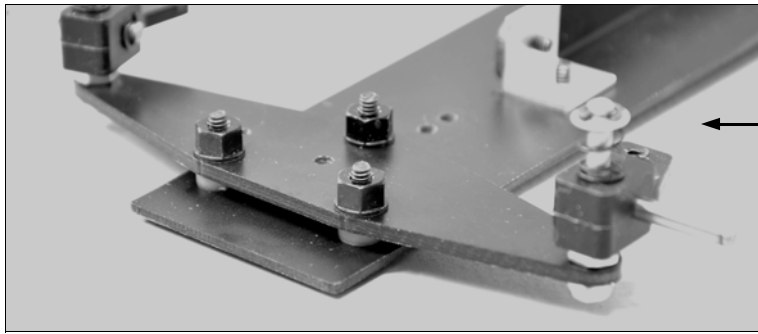
STEP 3 OPEN BAG D2 INSERT 3 - 1/2" LONG SCREWS THRU THE FRONT OF THE CHASSIS AND INSTALL 1/8 SPACERS(LONGER ONES) ON THE TWO FRONT SCREWS AND A 3/32 SPACER (SHORTER) ON THE REAR SCREW.



STEP 4 INSTALL THE 5238 FRONT AXLE PLATE AND RETAIN WITH THREE BLACK NYLON NUTS.

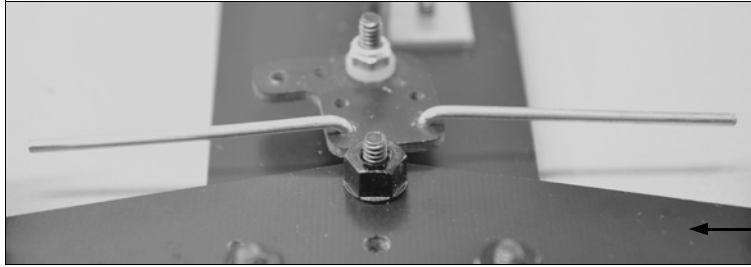
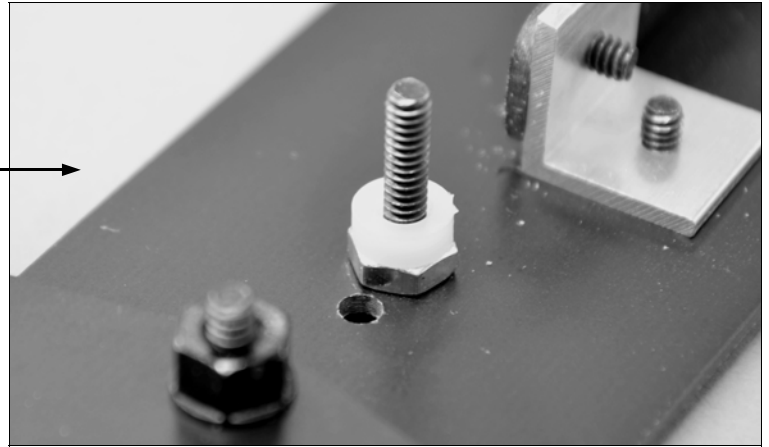
STEP 5 OPEN BAG D2A THREAD A THIN NUT ON EACH KINGPIN. INSTALL THE KINGPINS ON EACH END OF THE FRONT AXLE AND RETAIN EACH ONE WITH A LOCKNUT.



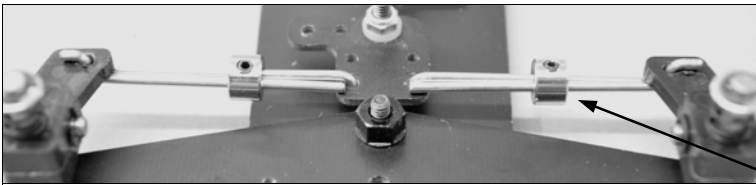


STEP 6 RUN A 1/8 DRILL THROUGH EACH 5351 STEERING BLOCK AND MAKE SURE IT SLIDES SMOOTHLY ON THE KINGPIN. LUBE THE KINGPINS WITH LIGHT OIL OR SILICONE LUBE AND SLIDE THEM ON FOLLOWED BY A 5228 SPRING , WASHER AND 5221 E-CLIP. INSTALL AN E-CLIP ON EACH AXLE AND SLIDE THEM THROUGH THE STEERING BLOCKS.

STEP 7 INSTALL THE LONGER SCREW THROUGH THE CHASSIS IN THE HOLE CLOSEST TO THE FRONT OF THE CHASSIS BRACE, RETAIN WITH A METAL NUT AND INSTALL A 3/32 SPACER ON TOP.



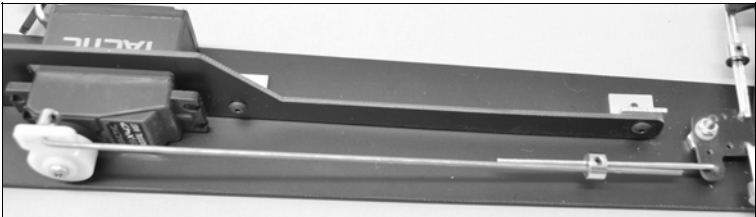
STEP 8 PRESS THE STEPPED SPACER INTO THE LARGE HOLE IN THE 5235 BELLCRANK AND SLIDE IT OVER THE LONG SCREW AND RETAIN WITH THE SMALL METAL LOCK NUT. TIGHTEN IT JUST ENOUGH THAT THE BELLCRANK ROTATES EASILY. INSTALL A STEERING LINK IN THE FRONT HOLE ON EACH SIDE OF THE BALLCRANK.



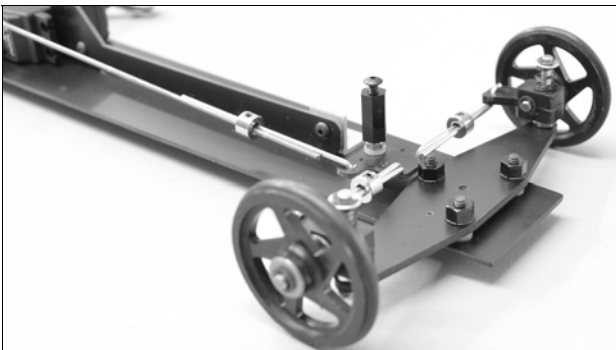
STEP 9 INSTALL A STEERING LINK IN EACH STEERING BLOCK FROM THE UNDERSIDE. SLIDE A 1/8 SET COLLAR OVER EACH PAIR . ALIGN THE AXLES, CENTER THE BELLCRANK AND TIGHTEN THE SET SCREW IN EACH COLLAR.



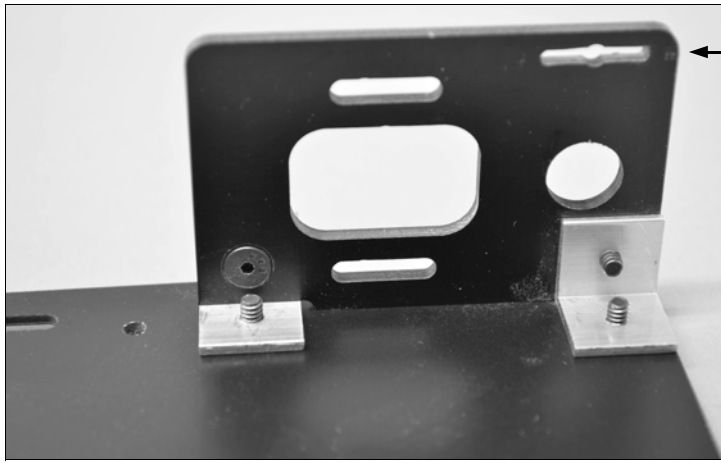
STEP 10 TEST FIT, THEN INSTALL YOUR SERVO WITH INCLUDED SERVO TAPE THROUGH THE CUT-OUT IN THE CHASSIS BRACE. TRY TO GET IT CENTERED ON THE CHASSIS SO THE SERVO CASE OR THE SERVO SAVER WON'T RUB THE BODY.



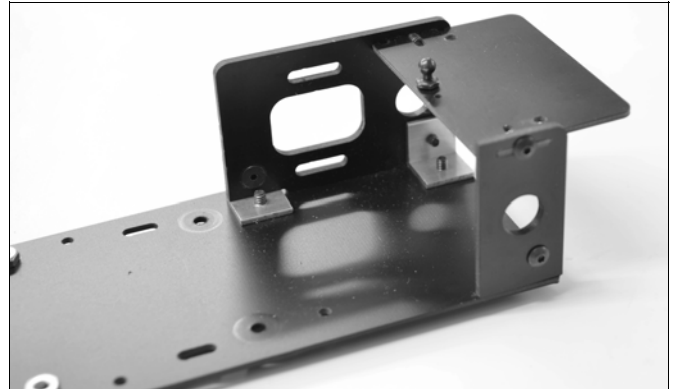
STEP 11 LOCATE ONE OF THE TWO PLAIN 10" MUSIC WIRES. BEND ONE END AT 90 Deg. ABOUT 3/8 INCH FROM ONE END. INSERT THE BENT END INTO A HOLE IN YOUR SERVO SAVER OR SERVO WHEEL AND RETAIN WITH THE SMALLER SET COLLAR AND SET SCREW. INSERT THE BENT END OF THE LONG STEERING LINK INTO THE HOLE AT THE END OF THE NARROW SIDE OF THE BELLCRANK. ALIGN YOUR STEERING AND SLIDE A LARGE COLLAR OVER THE LINK AND LONG WIRE AND RETAIN WITH A SETSCREW IN THE COLLAR.



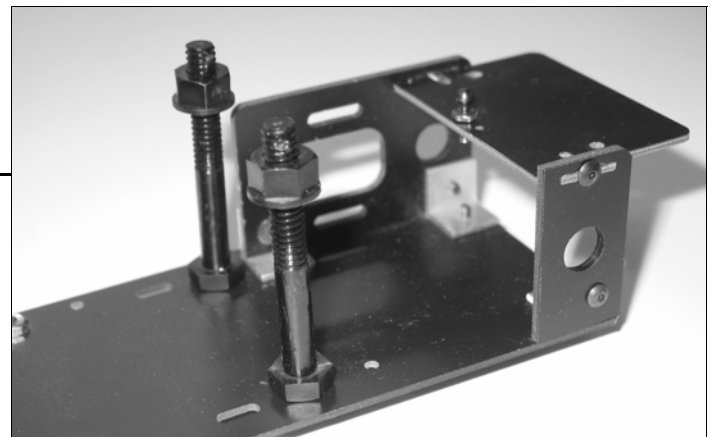
STEP 12 INSTALL THE BLACK HEX SHAPED BODY MOUNT ON THE SCREW THAT GOES THROUGH THE BELLCRANK, TIGHTEN IT AND THREAD THE 1/4" BODY MOUNT SCREW INTO IT SO IT WILL NOT GET LOST. *OPEN BAG D7* PRESS A BUSHING INTO EACH SIDE OF EACH FRONT WHEEL AND SLIDE AN O-RING ON EACH ONE . OIL EACH FRONT AXLE, ADD A THIN SHIM AND WHEEL. RETAIN WITH AN E-CLIP.



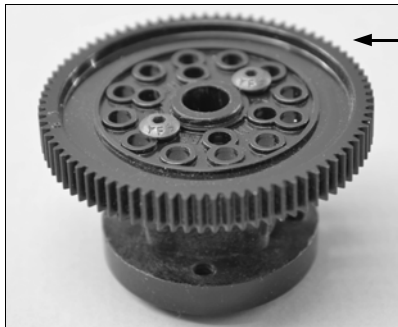
STEP 13 OPEN BAG D3 INSTALL TWO 5282 ANGLE BRACKETS TO THE MOTOR MOUNT. NOTE THAT THE FRONT ONE MOUNTS ON THE OUTSIDE WITH A FLAT HEAD SCREW FROM THE INSIDE. ATTACH IT TO THE CHASSIS REAR WITH TWO MORE 1/4" SCREWS AND TIGHTEN THEM.



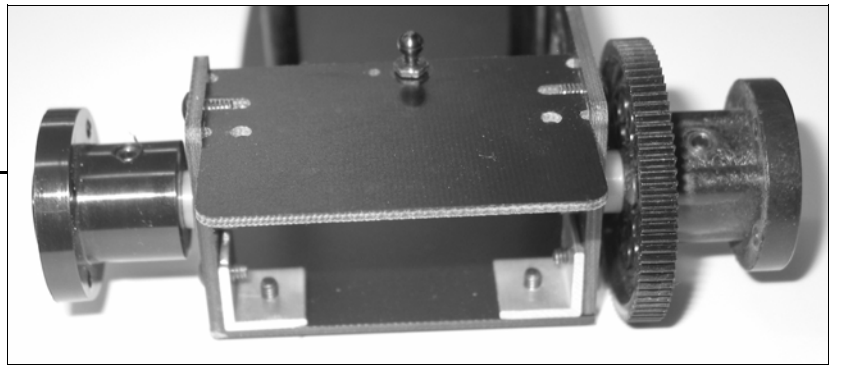
STEP 14 INSTALL THE TOP PLATE TO THE MOTOR MOUNT WITH A 1/4" SCREW. NOTE THAT THE SQUARE CUTOUT IS CLOSER TO THE MOTOR MOUNT. SLIDE THE AXLE MOUNT OVER THE END OF THE TOP PLATE AND ATTACH WITH A 1/4" SCREW. ATTACH THE AXLE MOUNT TO THE CHASSIS WITH AN ANGLE BRACKET AND TWO 1/4" SCREWS. THREAD THE BALL STUD FROM BAG D6 INTO THE HOLE AT THE FRONT OF THE TOP PLATE.



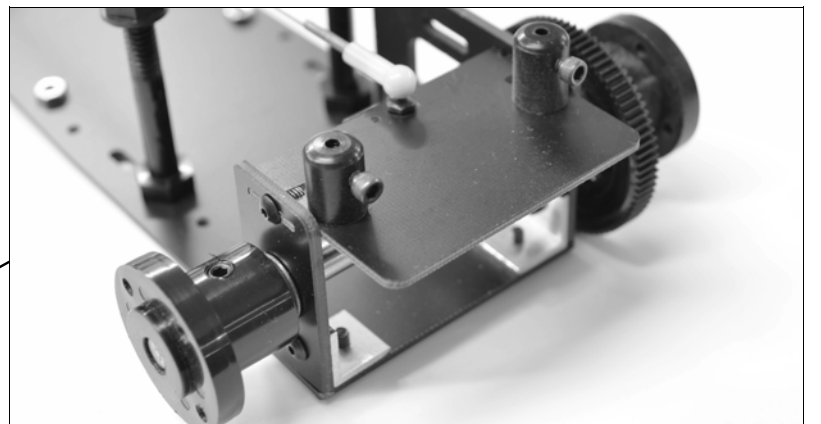
STEP 15 ATTACH THE TWO BODY POSTS FROM D5 TO THE HOLES JUST IN FRONT OF THE MOTOR MOUNTS WITH 3/8 SCREWS. THREAD THE ADJUSTER NUTS ONTO THEM. IF THEY ARE VERY TIGHT, USE A DROP OF LIGHT OIL.



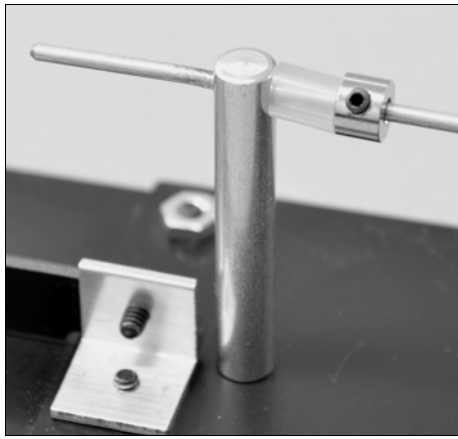
STEP 16 OPEN BAG D4. ATTACH THE 5581 GEAR TO THE 5312 HUB WITH TWO



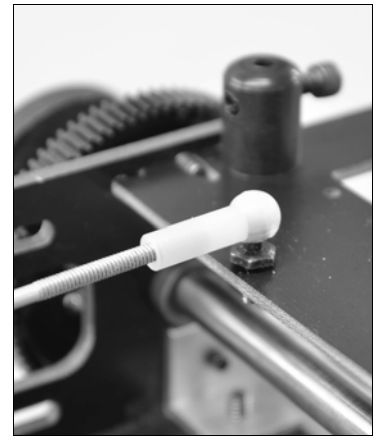
STEP 17 PRESS A BUSHING INTO THE OUTSIDE OF THE MOTOR AND AXLE MOUNTS. ATTACH THE HUB/GEAR ASSY TO ONE END OF THE AXLE WITH TWO SET SCREWS AND TIGHTEN LIGHTLY. REMOVE THE HUB AND GRIND OR FILE FLAT SPOTS ON THE AXLE FOR THE SET SCREWS TO REST ON. THIS WILL MAKE IT MUCH MORE SECURE. ADD THE LONG NYLON SPACER, LUBE THE BUSHINGS AND SLIDE THE AXLE THROUGH. ADD THE THREE SMALLER BUSHINGS AND THE 5311 HUB. ADD THE SET SCREW AND REPEAT THE PROCESS OF ADDING FLAT SPOTS ON THE AXLE, THEN RE-INSTALL THE HUB. ALWAYS TIGHTEN EACH SET SCREW A LITTLE AT A TIME TO KEEP THE HUB RUNNING TRUE.



STEP 18 OPEN BAG10. ATTACH THE TWO WING MOUNTS TO THE TOP PLATE WITH 1/4" CAP SCREWS. ADD THE OTHER TWO TO THE SIDE OF THE WING MOUNTS TO RETAIN THE WING WIRE LATER.

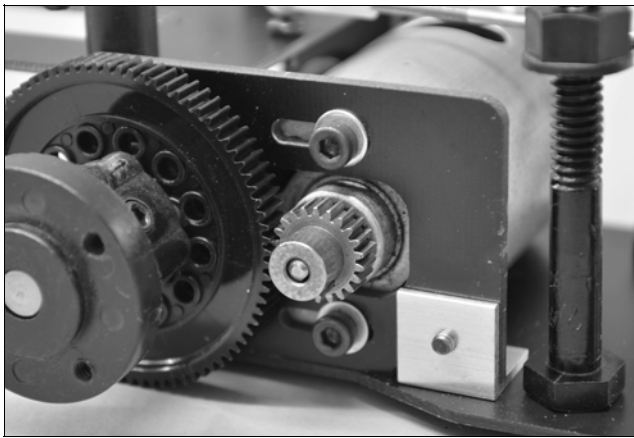


STEP 19 INSTALL THE POST FROM BAG 6 IN THE HOLE JUST BEHIND THE CHASSIS BRACE WITH THE 3/8 SCREW. ALIGN IT SO THE HOLE AT THE TOP POINTS TOWARD THE BALL STUD ON THE TOP PLATE. THREAD THE WHITE BALL CUP ONTO THE ROD WITH THE THREADED END. SLIDE THE SET COLLAR ON IT FOLLOWED BY THE SILICONE TUBE. INSERT THE END OF THE ROD THROUGH THE POST AND SNAP THE CUP ONTO THE BALL STUD. PUSH THE COLLAR AND TUBE AGAINST THE POST AND TIGHTEN THE SET SCREW. YOU CAN MAKE THE REAR OF THE CHASSIS STIFFER BY PUTTING MORE PRESURE AGAINST THE POST.

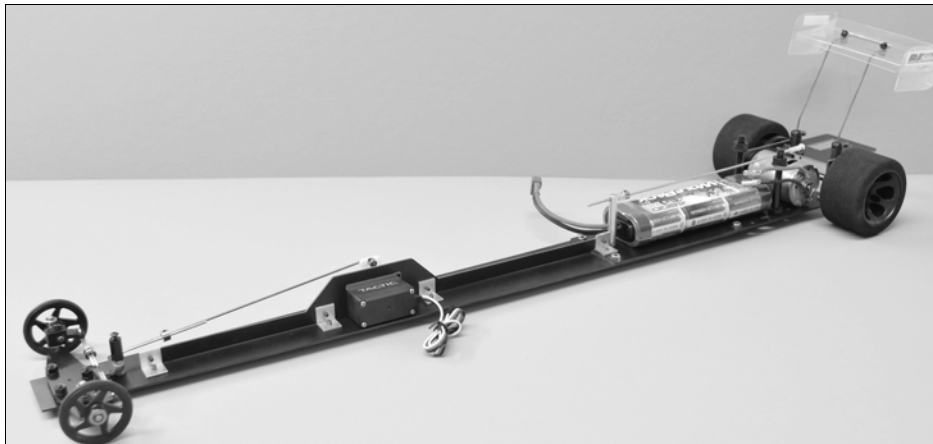


STEP 20 BEND THE WING WIRE AS SHOWN AND CUT OUT THE WING AND SIDE PLATES (YOU MAY WANT TO PAINT THEM FIRST) USE THE LAYOUT BELOW FOR BENDING THE WIRE. DRILL TWO HOLES IN THE WING AND USE THE SMALL TIE STRAPS TO ATTACH THE WIRE UNDER THE WING. PULL THEM TIGHT AND YOU WILL BE ABLE TO ADJUST YOUR WING POSITION FORWARD AND BACK .YOU CAN ALSO CHANGE THE WIRE BENDS TO INCREASE OR DECREASE THE WING ANGLE. THE WING HAS PROTECTIVE FILM ON IT.

WING WIRE LAYOUT



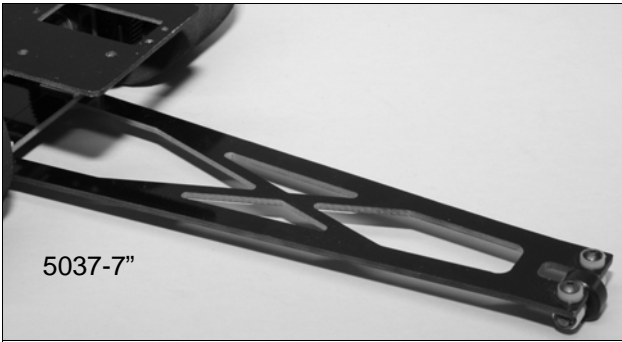
STEP 21 INSTALL YOUR MOTOR WITH TWO SCREWS AND WASHERS PROVIDED. SLIDE THE PINION GEAR ONTO THE SHAFT AND LINE IT UP WITH THE AXLE GEAR. SLIDE IT BACK UNTIL THE TEETH MESH . ADJUST THE MOTOR UNTIL THERE IS A VERY SMALL AMOUNT OF PLAY BETWEEN THE GEARS. TURN THE AXLE GEAR A FEW TIMES AND RECHECK THE MESH, THEN TIGHTEN THE MOTOR SCREWS.



STEP 22 YOUR BATTERY PACK SHOULD MOUNT BETWEEN THE REAR BODY POSTS AND THE SUPPORT POST THAT HOLDS THE ROD THAT CONTROLS THE REAR CHASSIS FLEX. THERE ARE SLOTS FOR A TIE STRAP NEAR THE REAR AND YOU SHOULD USE VELCRO OR SERVO TAPE TO KEEP THE FRONT IN PLACE. YOU SHOULD MOUNT YOUR RADIO RECEIVER AND ESC JUST IN FRONT OF THE BATTERY PACK ON EITHER SIDE OF THE CHASSIS BRACE. YOU CAN ALSO MOUNT YOUR ESC AND RECEIVER ON THE TOP PLATE IF YOU WANT MORE WEIGHT IN THE REAR, BUT YOU WILL HAVE TO GET AN EXTENSION WIRE FOR YOUR SERVO.

SET YOUR BODY DOWN OVER THE CHASSIS AND MARK THE HOLES FOR THE MOUNTS. PAINT AND TRIM THE BODY AS YOU WISH. CHARGE YOUR BATTERY (IF YOU'RE USING A LIPO BATTERY, REMOVE IT FROM THE CAR AND CHARGE IT IN A LIPO SAFE BAG). ADJUST YOUR RADIO GEAR ACCORDING TO THE MFGR'S INSTRUCTIONS. NOW GO OUT AND HAVE SOME FUN RACING!

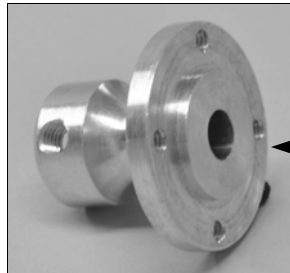
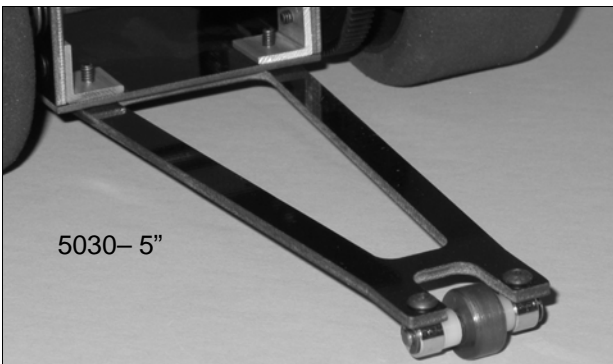
SOME CURRENTLY AVAILABLE ACCESSORIES ARE SHOWN BELOW:



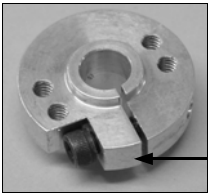
WE HAVE TWO WHEELIE BARS THAT BOLT DIRECTLY UNDER THE REAR END OF OUR DRAG KITS.



OUR 5732 DIFF KIT WILL HELP YOU GET OFF THE LINE ON UNPREPARED SURFACES BY ALLOWING YOU TO ADJUST IN A LITTLE SLIP AS NECESSARY.

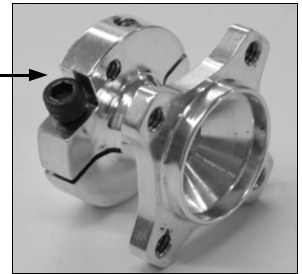


5314 ALUMINUM SET SCREW HUB FOR THE LEFT SIDE.



5320 ALUMINUM CLAMP HUB HOLDS THE GEAR AND A 2 BOLT 1/12 SCALE WHEEL. USE THE SAME FOR THE LEFT SIDE. SOME RACERS PREFER 1/12 WHEELS AND TIRES SINCE THEY ARE A SMALLER DIAMETER AND LIGHTER.

5321 ALUMINUM CLAMP HUB HOLDS THE GEAR AND RIGHT WHEEL. USES 4-40 WHEEL SCREWS(INCLUDED)



5322 LEFT SIDE CLAMP HUB W/ SCREWS



5172 ALUMINUM MOTOR / AXLE MOUNTS WITH AXLE HEIGHT ADJUSTERS