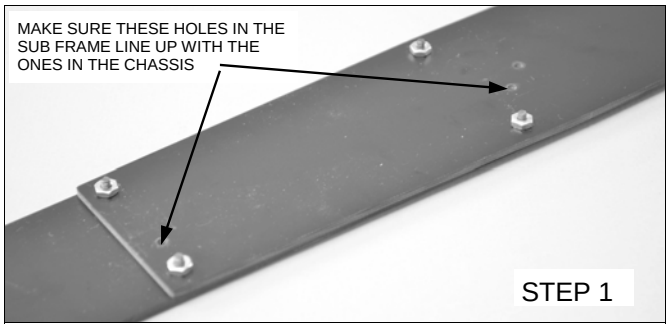
RJS2006 30”WB ELECTRIC T/F DRAGSTER KIT LESS ELECTRICS

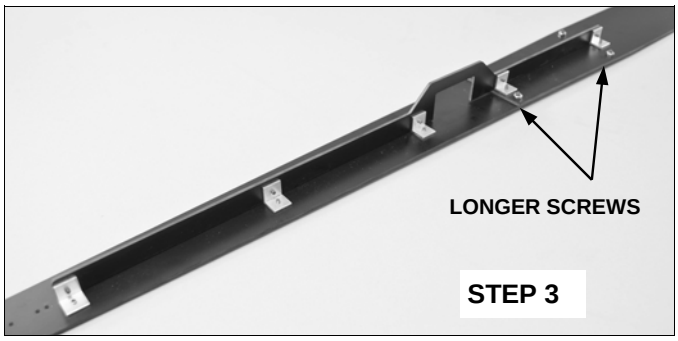
THANKS FOR BUYING THIS RJ SPEED DRAGSTER KIT . IT IS MADE FOR STRAIGHT LINE DRAG RACING AND MAY BE BROKEN IF RUN INTO SOLID OBJECTS REPEATEDLY AT HIGH SPEED. IT REQUIRES A MOTOR, BATTERY PACK, AND A TWO CHANNEL RADIO CONTROL UNIT WITH ONE SERVO AND AN ESC. A STANDARD SIZE OR MINI SERVO IS GOOD FOR THE 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 IN BAG 11. YOU WILL ALSO NEED PAINT FOR THE BODY AND WINGS THAT IS MADE FOR LEXAN TYPE PLASTIC.

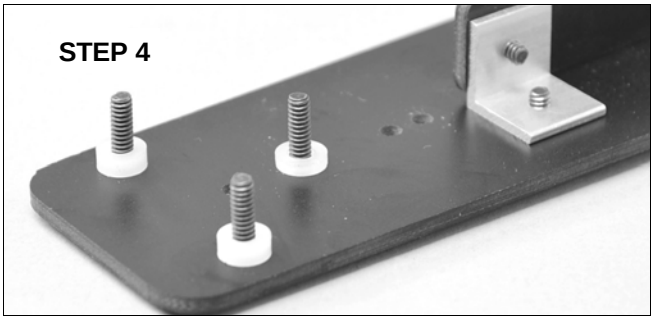


STEP 1 OPEN BAG 1 AND LOCATE BAG 11 WRENCHES. ALIGN THE 5012 SUB FRAME OVER THE 5011 CHASSIS AND INSTALL 4 OF THE LONGER (3/8”) SCREWS THROUGH BOTH, ADD THE 7202 NUTS AND TIGHTEN THEM. MAKE SURE THAT THE HOLES IN BETWEEN THE SCREWS LINE UP WITH THE ONES IN THE CHASSIS.

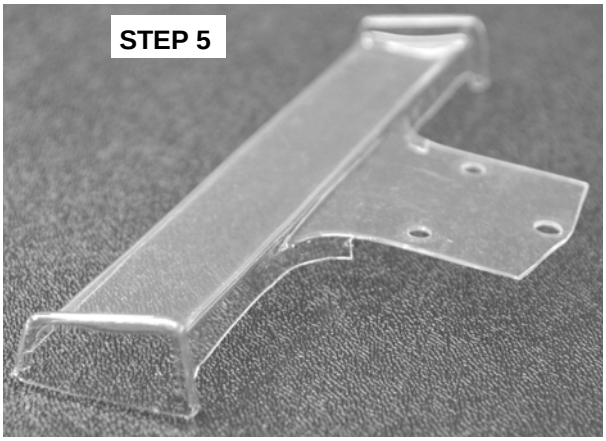
STEP 2 ATTACH 5 ANGLE BRACKETS TO THE 5013 CHASSIS BRACE WITH 5 OF THE SHORT SCREWS. TIGHTEN THEM AFTER ATTACHING IT TO THE CHASSIS ASSEMBLY.



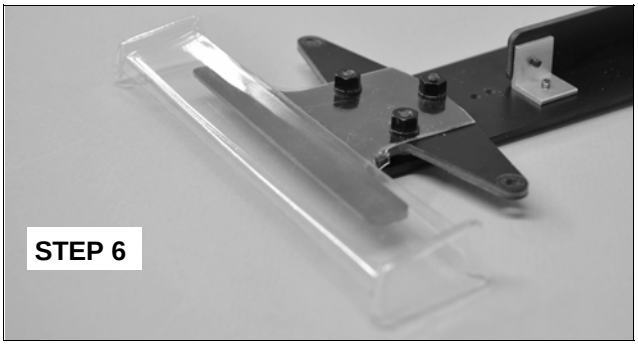
STEP 3 USE THREE OF THE SHORTER SCREWS TO ATTACH THE ANGLE BRACKETS TO THE FRONT CHASSIS SECTION AND TWO LONGER ONES THROUGH THE SUB FRAME AND CHASSIS. TIGHTEN ALL OF THEM.



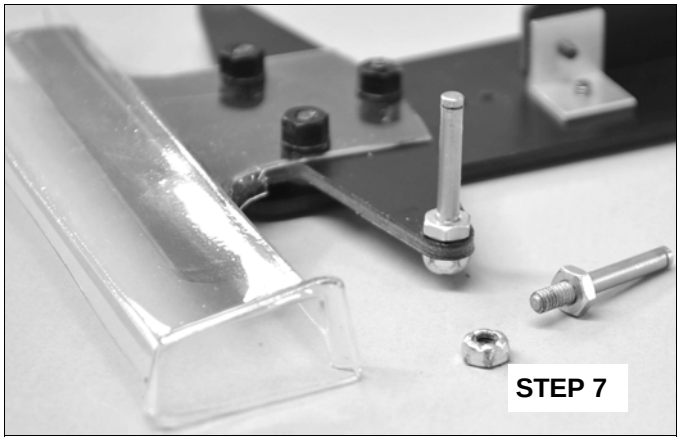
STEP 4 BAG 2 INSERT THE THREE 1/2” LONG SCREWS UP THROUGH THE FRONT THREE HOLES IN THE CHASSIS. SAVE THE LONGER SCREW FOR THE BELLCRANK ASSEMBLY LATER. ADD A 3/32 THICK SPACER ON EACH OF THE FRONT SCREWS AND A 1/16 (THINNER ONE) ON THE REAR SCREW.



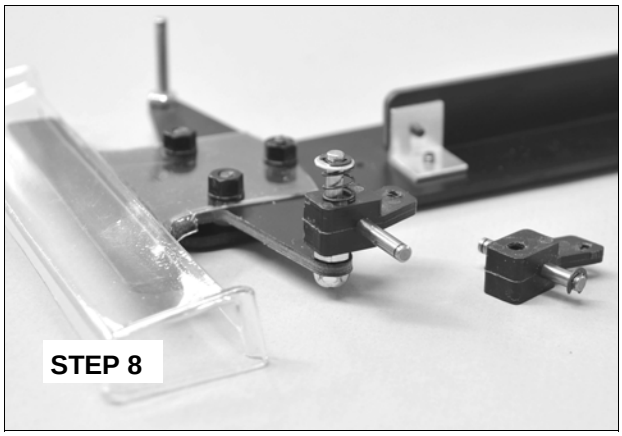
STEP 5 TRIM OUT THE FRONT WING AND DRILL THREE HOLES TO MATCH THE FRONT AXLE PLATE MAKE SURE THAT THE BACK OF THE WING DOES NOT EXTEND PAST THE BACK OF THE AXLE PLATE SO IT WILL NOT INTERFERE WITH THE BELLCRANK STEERING ASSEMBLY. YOU CAN PAINT THE WING BEFORE YOU INSTALL IT WITH THE FRONT AXLE PLATE.



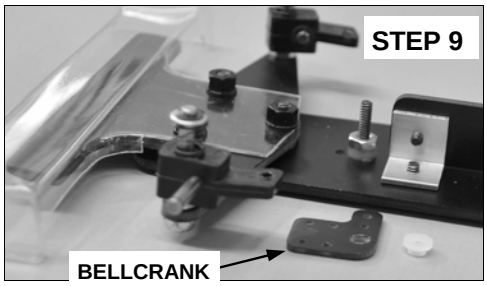
STEP 6 SLIDE THE FRONT AXLE PLATE AND WING ONTO THE THREE SCREWS AND RETAIN WITH 3 NYLON NUTS.



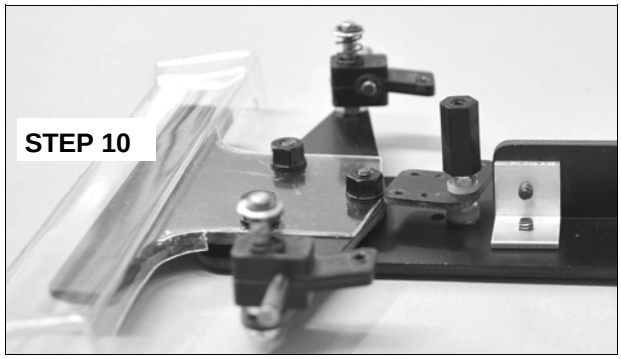
STEP 7 THREAD A 7206 JAM NUT ALL THE WAY ONTO EACH 5377 KINGPIN AFTER LUBING THE THREADS WITH WD-40 OR LIGHT OIL . INSERT THEM THROUGH THE ENDS OF THE FRONT AXLE PLATE ,INSTALL A 7207 LOCKNUT ON EACH AND TIGHTEN THEM.



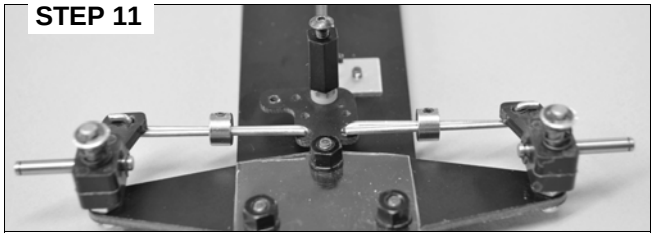
STEP 8 LUBE THE KINPINS WITH SILICONE LUBE OR LIGHT GREASE AND INSTALL A 5351 STEERING BLOCK ON EACH . MAKE SURE THEY MOVE FREELY. ADD A 5228 SPRING , WASHER AND 5221 E-CLIP ON BOTH. SNAP A 5221 E-CLIP ON EACH 5363 STUB AXLE AND INSERT THEM INTO THE STEERING BLOCKS FROM THE INSIDE.



STEP 9 INSERT THE LONGER SCREW IN THE HOLE CLOSEST TO THE FRONT OF THE CHASSIS BRACE, ADD THE OTHER 3/32 SPACER AND THE 7202 STEEL NUT AND TIGHTEN. PRESS THE NYLON BUSHING INTO THE 5235 BELLCRANK.

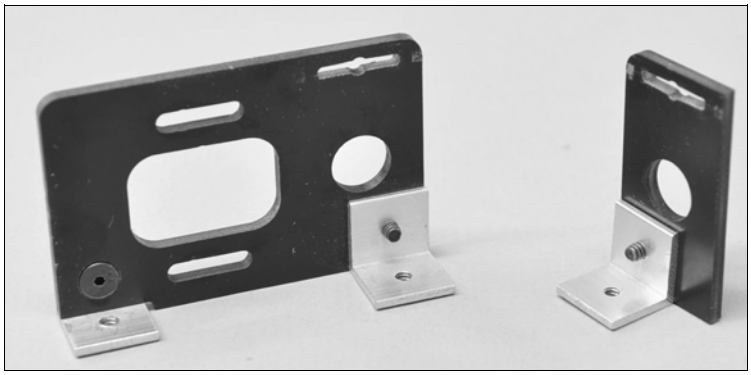


STEP 10 ADD THE BELLCRANK AND THE SMALLER ALUMINUM-LOCK NUT AND TIGHTEN THE NUT DOWN UNTIL THE BELLCRANK TURNS SMOOTHLY , BUT NOT TOO TIGHT TO RESTRICT THE MOVEMENT. THREAD THE 3/4" LONG HEX SPACER DOWN AGAINST THE LOCKNUT. THREAD THE LAST 1/4"SCREW INTO THE TOP TO KEEP FROM LOSING IT UNTIL YOU ARE READY TO MOUNT THE BODY.

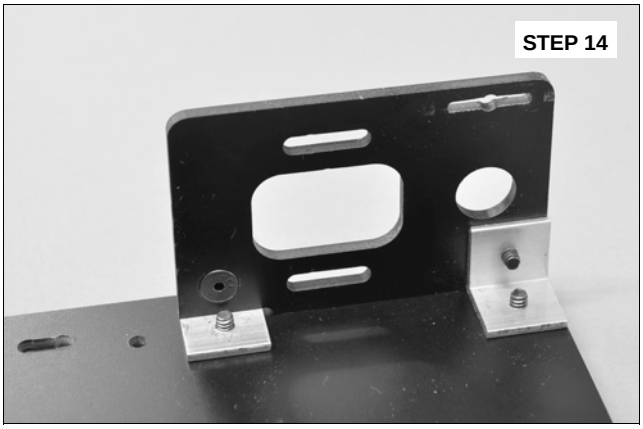


STEP 11 INSTALL A SHORT STEERING LINK ON EACH STEERING BLOCK FROM THE UNDERSIDE AND ONE IN EACH FRONT HOLE IN THE BELLCRANK FROM THE TOP. ADD A 1/8 COLLAR AND SET-SCREW TO HOLD EACH PAIR TOGETHER AND ALIGN THE STEERING.

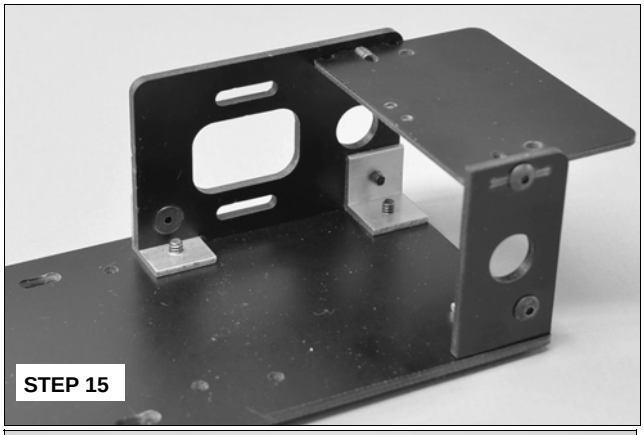
STEP 12 INSTALL YOUR STEERING SERVO IN THE CUT-OUT IN THE CHASSIS BRACE WITH THE OUTPUT ARM ON THE RIGHT SIDE TO LINE UP WITH THE ARM ON THE BELLCRANK. WE SHOW A KIMBROUGH SERVO SAVER INSTALLED TO PEOTECT THE SERVO GEARS. ATTACH A LONG LINK TO THE SERVO ARM AND BELLCRANK ARM. USE ONE 10" WIRE AND TWO 1/8 COLLARS TO ATTCH THEM TOGETHER.



STEP 13 OPEN BAG 3 ATTACH TWO 5282 ANGLE BRACKETS TO THE 5167 MOTOR MOUNT, NOTE THAT THE FRONT ONE MOUNTS ON THE OUTSIDE WITH A FLAT-HEAD SCREW IN THE INSIDE. ATTACH ONE BRACKET TO THE 5168 LEFT AXLE MOUNT IN THE DIRECTION SHOWN. TIGHTEN THEM AFTER THEY ARE INSTALLED ON THE REAR OF THE CHASSIS ASSEMBLY.

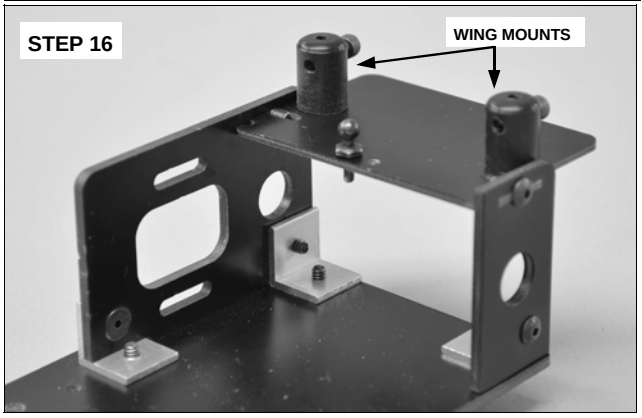


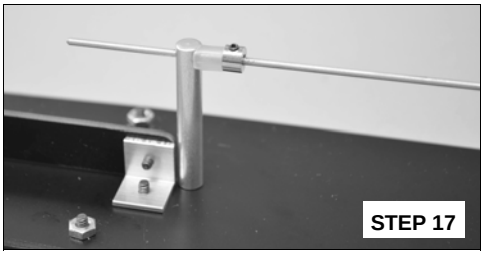
STEP 14 INSTALL THE MOTOR MOUNT ON THE CHASSIS ASM. WITH TWO 1/4" SCREWS AND TIGHTEN ALL FOUR.



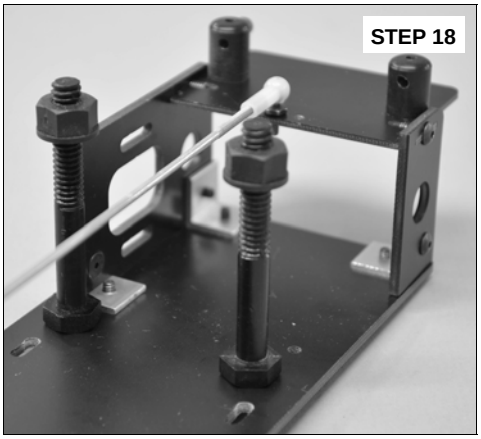
STEP 15 PRESS THE 5169 TOP PLATE INTO THE MOTOR MOUNT AND PRESS THE LEFT AXLE MOUNT INTO THE TOP PLATE ALSO. ATTACH THE LEFT AXLE MOUNT TO THE CHASSIS AND BOTH MOUNTS TO THE TOP PLATE WITH 1/4 " SCREWS. DO NOT OVER-TIGHTEN THE ONES AT THE TOP.

STEP 16 ATTACH THE WING MOUNTS FROM BAG D10 TO THE TOP PLATE WITH SCREWS PROVIDED. THREAD THE STEEL BALL JOINT FROM BAG D6 INTO THE SMALL HOLE NEAR THE FRONT OF THE TOP PLATE. IF IT SEEMS TOO TIGHT, REAM OUT THE TOP OF THE HOLE WITH A HOBBY KNIFE.



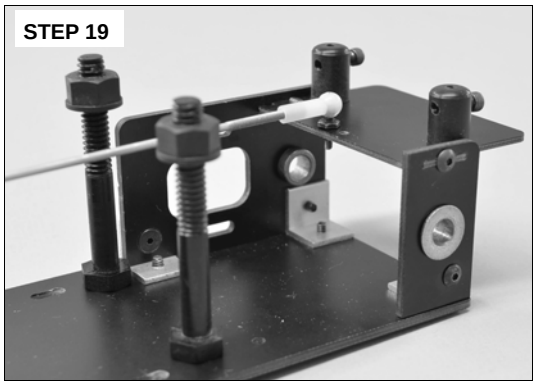


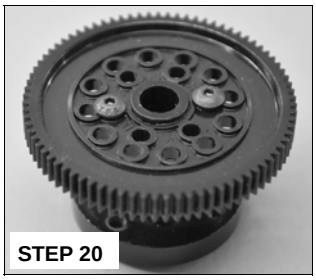
STEP 17 ATTACH THE POST TO THE CHASSIS JUST BEHIND THE CHASSIS BRACE WITH 3/8 SCREW PROVIDED. MAKE SURE THAT HOLE NEAR THE TOP POINTS DOWN THE CENTER OF THE CHASSIS.THREAD THE WHITE BALL CUP ONTO THE THREADED END OF THE 12" PULL ROD. SLIDE THE COLLAR AND SILICONE TUBE ONTO THE ROD, THEN INSERT THE END THROUGH THE HOLE NEAR THE TOP OF THE POST AND SNAP THE CUP ONTO THE BALL ON THE TOP PLATE. YOU CAN USE THE COLLAR TO TIGHTEN THE SILICONE TUBE AGAINST THE POST TO CONTROL TRACTION ON THE REAR TIRES BY STIFFEN-ING THE REAR OF THE CHASSIS.



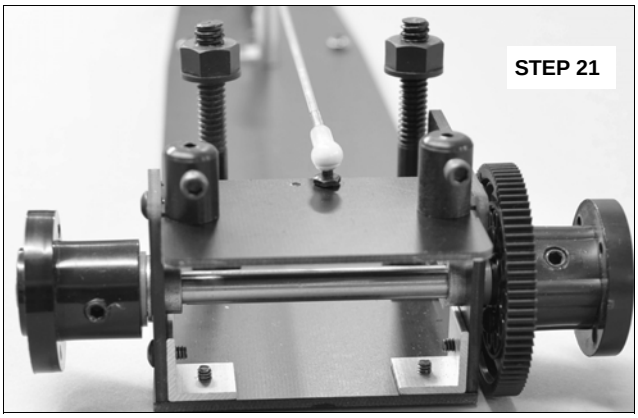
STEP 18 BAG 5 ATTACH THE TWO BODY POSTS JUST IN FRONT OF THE MO-TOR PLATE FROM BAG D5 WITH 3/8 SCREWS. ADD THE NYLON NUTS THE AD-JUST THE BODY MOUNTING HEIGHT.

STEP 19 PRESS A BUSHING FROM BAG D4 INTO THE MOTOR MOUNT AND AXLE MOUNT.

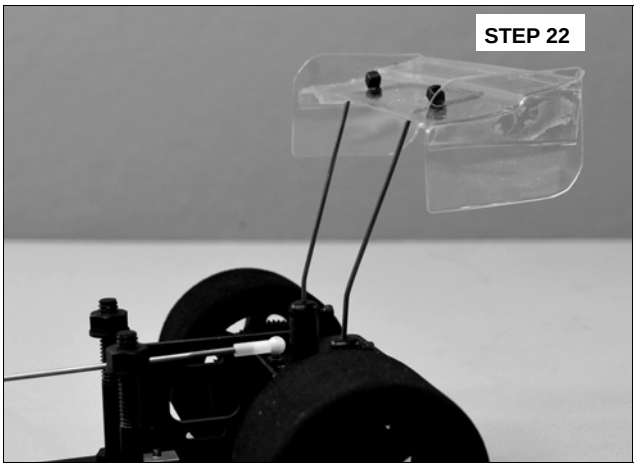




STEP 20 ATTACH THE 5581 AXLE GEAR TO THE 5312 HUB WITH TWO SHORT SCREWS FROM D4.

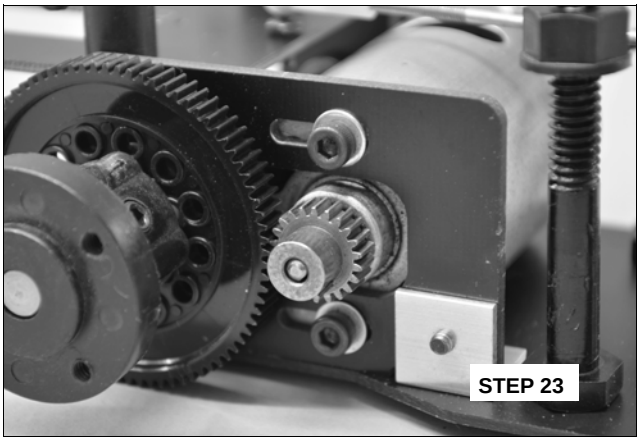


STEP 21 ATTACH THE GEAR/HUB ASSEMBLY TO ONE END OF THE 5747 AXLE WITH TWO SETSCREWS. YOU SHOULD TIGHTEN THEM LIGHTLY TO MAKE A MARK ON THE AXLE, THEN REMOVE AND FILE OR GRIND A FLAT SPOT ON THE AXLE FOR THE SETSCREW TO HIT ON SO THE HUB WON'T SPIN ON THE AXLE. REPEAT THE PROCESS WHEN YOU INSTALL THE OTHER HUB. INSTALL A SHIM ON THE AXLE, PUSH IT THROUGH THE BUSHINGS AND ADD A SHIM AND THE 5311 HUB ON THE OTHER SIDE. MAKE SURE THERE IS A LITTLE SIDEPLAY IN THE AXLE & TIGHTEN BOTH SETSCREWS CAREFULLY. MAKE SURE TO LUBE THE BUSHINGS. KEEPING THEM CLEAN AND OILED WILL EXTEND THEIR LIFE AND PERFORMANCE.

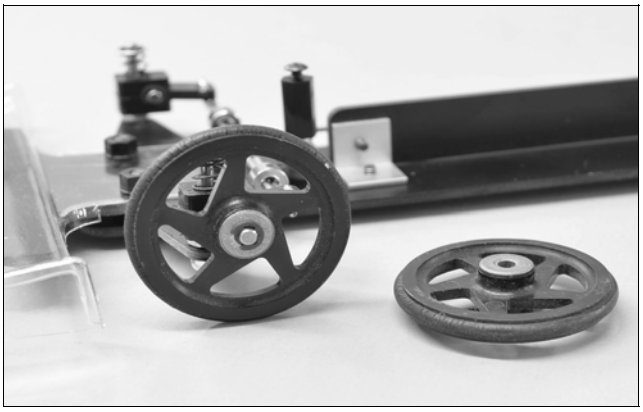


STEP 22 TRIM OUT THE WING AND END PLATES. PAINT THE PARTS BEFORE ASSEMBLY. ATTACH THE END PLATES WITH SCREWS OR DOUBLE BACK TAPE. BEND THE 10" WING WIRE ACCORDING TO THE TEMPLET BELOW. HOLD THE WIRE UNDER THE WING , MARK AND DRILL 1/8" HOLES ON EITHER SIDE OF BOTH WING WIRES. USE THE SMALL WIRE TIES THROUGH THE HOLES AND AROUND THE WIRE AND PULL TIGHT. YOU SHOULD BE ABLE TO SLIDE THE WING FORWARD AND BACK FOR ADJUSTMENT. BEND THE WIRES DOWN SO THE WING WILL SIT FAIRLY LEVEL WITH THE WIRES IN THE MOUNTS AND THE SCREWS TIGHT.

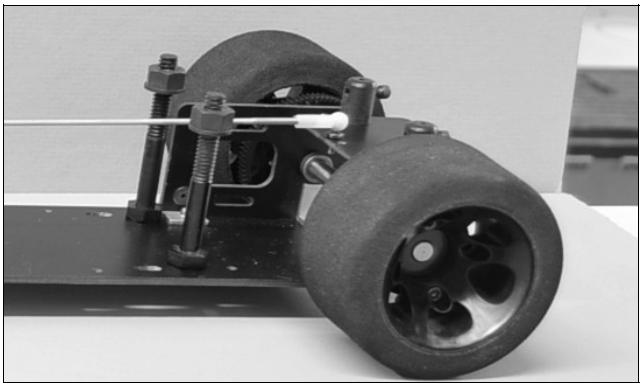
WING WIRE LAYOUT
APPROX. ACTUAL SIZE



STEP 23 BAG 9 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 RECHEK THE MESH, THEN TIGHTEN THE MOTOR SCREWS.

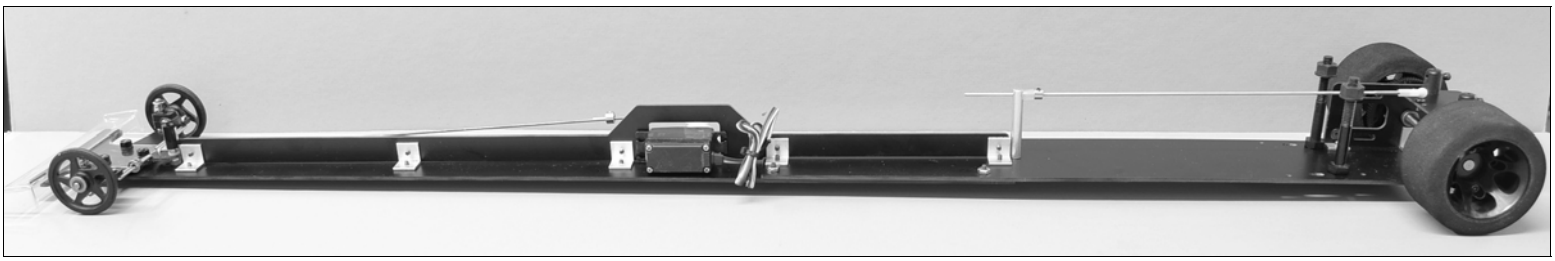


STEP 24 BAG 7 INSTALL THE O-RINGS ON THE WHEELS AND A BUSHING INTO EACH SIDE OF EACH FRONT WHEEL. OIL THE AXLES, INSTALL THE WHEELS AND RETAIN WITH E-CLIPS.
ATTACH THE REAR TIRES WITH TWO SCREWS EACH FROM THE REAR AXLE BAG.



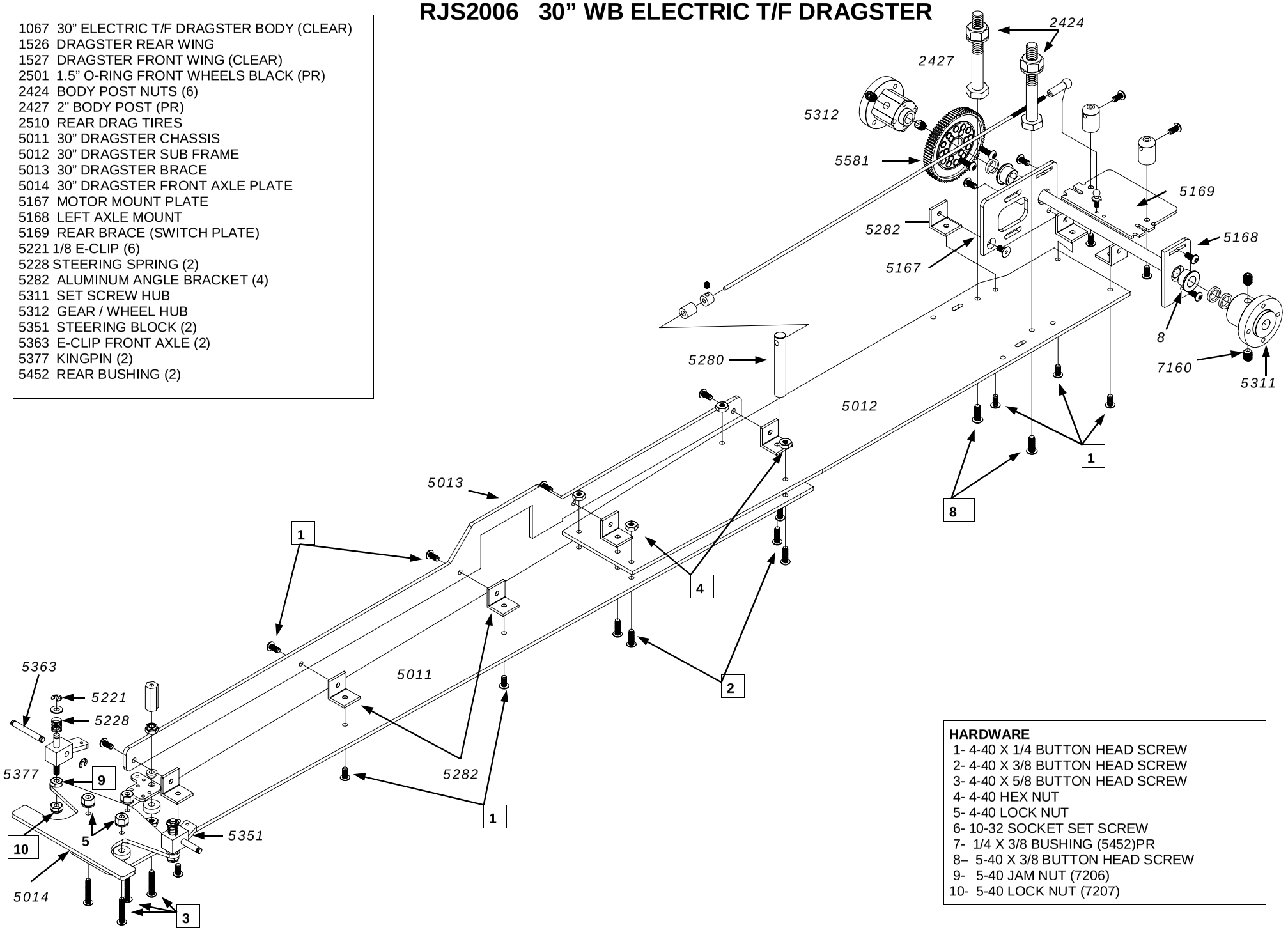
YOUR BATTERY PACK SHOULD MOUNT BETWEEN THE REAR BODY POSTS AND THE SUPPORT POST THAT HOLDS THE ROD THAT CONTROLS THE REAR CHASSIS FLEX. THERE ARE SLOTS FOR A TIE STRAP NEAR THE REAR AND YOU SHOULD USE VELCRO OR SERVO TAPE TO KEEP THE FRONT IN PLACE. YOU SHOULD MOUNT YOUR RADIO RECEIVER AND ESC JUST IN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

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!*



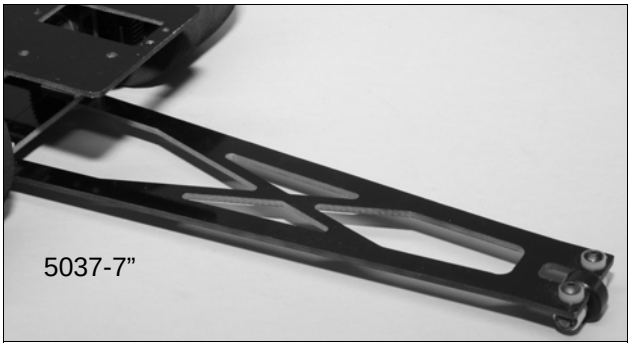
RJS2006 30” WB ELECTRIC T/F DRAGSTER

1067 30” ELECTRIC T/F DRAGSTER BODY (CLEAR)
1526 DRAGSTER REAR WING
1527 DRAGSTER FRONT WING (CLEAR)
2501 1.5” O-RING FRONT WHEELS BLACK (PR)
2424 BODY POST NUTS (6)
2427 2” BODY POST (PR)
2510 REAR DRAG TIRES
5011 30” DRAGSTER CHASSIS
5012 30” DRAGSTER SUB FRAME
5013 30” DRAGSTER BRACE
5014 30” DRAGSTER FRONT AXLE PLATE
5167 MOTOR MOUNT PLATE
5168 LEFT AXLE MOUNT
5169 REAR BRACE (SWITCH PLATE)
5221 1/8 E-CLIP (6)
5228 STEERING SPRING (2)
5282 ALUMINUM ANGLE BRACKET (4)
5311 SET SCREW HUB
5312 GEAR / WHEEL HUB
5351 STEERING BLOCK (2)
5363 E-CLIP FRONT AXLE (2)
5377 KINGPIN (2)
5452 REAR BUSHING (2)

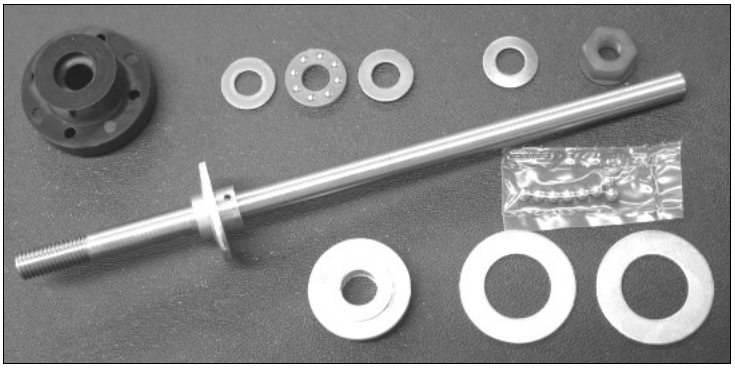


HARDWARE
1- 4-40 X 1/4 BUTTON HEAD SCREW
2- 4-40 X 3/8 BUTTON HEAD SCREW
3- 4-40 X 5/8 BUTTON HEAD SCREW
4- 4-40 HEX NUT
5- 4-40 LOCK NUT
6- 10-32 SOCKET SET SCREW
7- 1/4 X 3/8 BUSHING (5452)PR
8– 5-40 X 3/8 BUTTON HEAD SCREW
9- 5-40 JAM NUT (7206)
10- 5-40 LOCK NUT (7207)

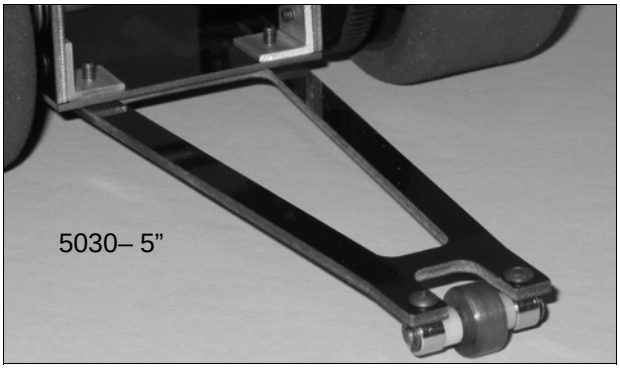
SOME CURRENTLY AVAILABLE ACCESSORIES ARE SHOWN BELOW:

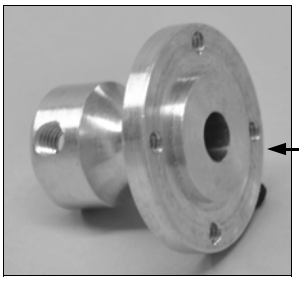


WE HAVE TWO WHEELIE BARS THAT BOLT DIRECTLY UNDER THE REAR END OF OUR DRAG KITS.

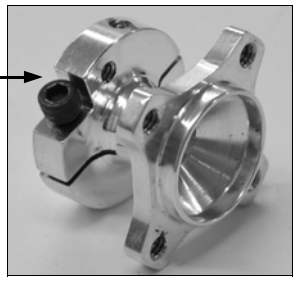


OUR 5732 DIFF KIT WILL HELP YOU GET OFF THE LINE ON UNPREPARED SURFACES BY ALLOWING YOU TO ADJUST IN A LITTLE SLIP AS NECESSARY.

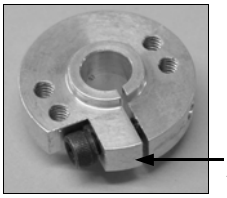




5314 ALUMINUM SET SCREW HUB FOR THE LEFT SIDE.



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



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.

5322 LEFT SIDE CLAMP HUB W/ SCREWS

5172 ALUMINUM MOTOR / AXLE MOUNTS WITH AXLE HEIGHT ADJUSTERS

SEE www.rjspeed .com FOR A LISTING OF NEW PRODUCTS AND ACCESSORIES