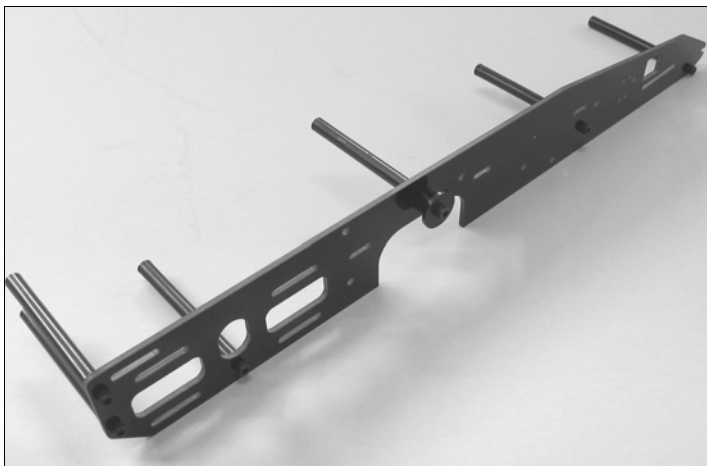




RJS2017 SPORTSMAN RACER KIT LESS ELECTRICS

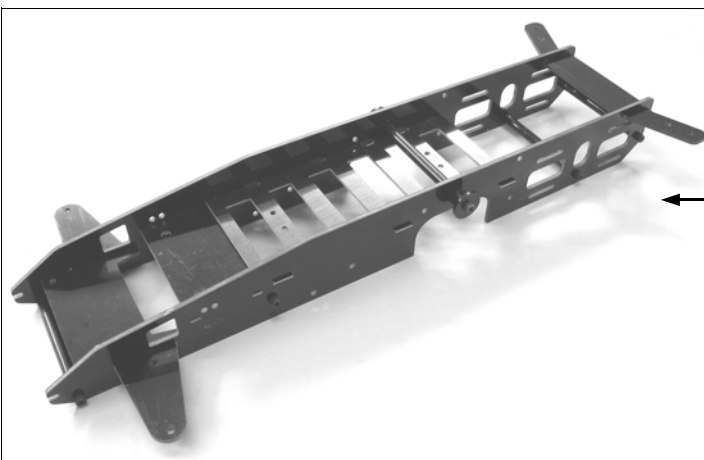
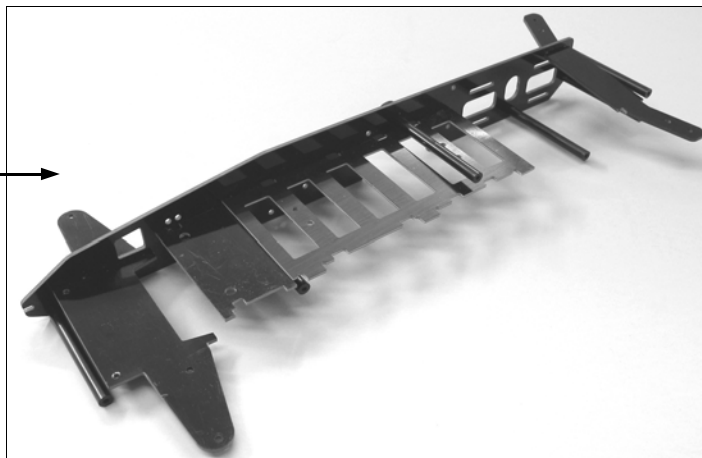
THANKS FOR BUYING THE RJ SPEED 1/10 SPORTSMAN RACER KIT FOR OVAL RACING, DRAG RACING OR JUST FUN STREET BASHING. THE ASSEMBLY WILL NOT BE DIFFICULT IF YOU READ THE TEXT, LOOK AT THE PICTURES , AND THE EXPLODED VIEW DRAWING. YOU WILL NEED A SMALL PAIR OF PLIERS, A 1/4" SOCKET OR WRENCH, AND A 7/16 SOCKET FOR THE BODY POSTS AND DIFF NUT. HEX WRENCHES TO FIT THE SOCKET HEAD SCREWS ARE PROVIDED. THERE ARE ALTERNATE POSITIONS FOR THE MOTOR AND BATTERY PACK SO YOU CAN DISTRIBUTE THE WEIGHT AS YOU WISH. THERE IS PLENTY OF ROOM ON THE CHASSIS TO MOUNT THE RECEIVER, ESC AND STEERING SERVO IN VARIOUS LOCATIONS. OUR PICTURES SHOW ONE OF MANY SETUPS THAT YOU CAN USE TO CUSTOMIZE YOUR CAR TO SUIT YOUR END USE. WE PROVIDE AN ANTENNA TUBE AND MOUNTING IF YOU ARE USING A RADIO THAT NEEDS ONE.

THIS KIT REQUIRES A 540 OR 550 SIZE MOTOR, BATTERY PACK, 2 CHANNEL RADIO SYSTEM WITH 1 SERVO AND ESC (MAKE SURE THE ESC WILL WORK WITH THE MOTOR YOU CHOOSE) AND A SERVO SAVER TO FIT THE SERVO YOU HAVE CHOSEN. YOU WILL ALSO NEED PAINT FOR THE LEXAN BODY.

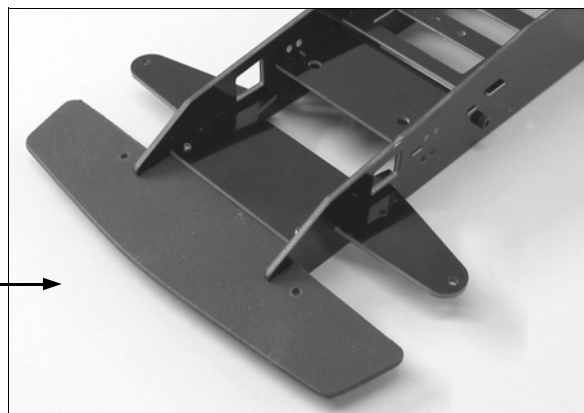


STEP 1 OPEN BAG C AND BAG C1A INSIDE. ATTACH 6 -5245 CHASSIS SPACERS TO ONE OF THE 5070 CHASSIS SIDES. USE 3/8" LONG CAP SCREWS ON ALL BUT THE CENTER ONE NEAR THE TOP OF THE CHASSIS. REFER TO THE EXPLODED VIEW AND USE A 3/4" LONG CAP SCREW, LARGE PLASTIC WASHER, 1/4" PLASTIC SPACER, THEN THROUGH THE CHASSIS AND INTO THE CHASSIS SPACER AS SHOWN. HOLD THE SPACERS WITH PLIERS AND USE THE HEX WRENCH INCLUDED IN THE BAG.

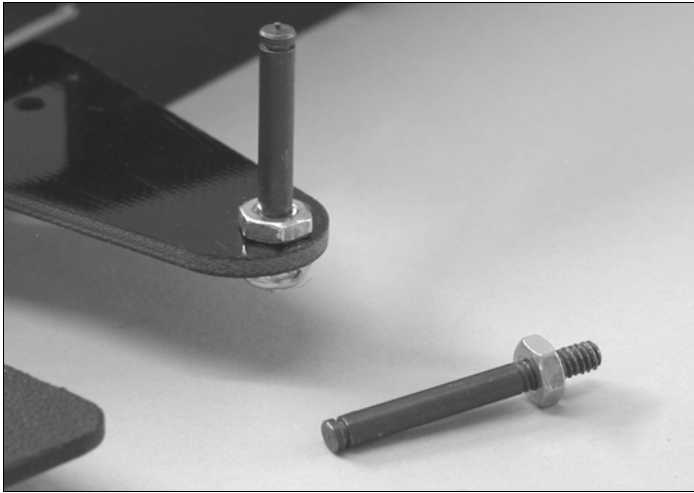
STEP 2 INSERT THE 5244 FRONT AXLE PLATE, 5063 SERVO TRAY, 5242 BATTERY TRAY, AND 5071 BODY MOUNT INTO THE CHASSIS SIDE. MAKE SURE THEY FIT ALL THE WAY INTO THE SLOTS. IF ANY ARE TOO TIGHT, USE A SMALL FILE OR SANDPAPER ON THE TABS THAT GO IN THE SLOTS.



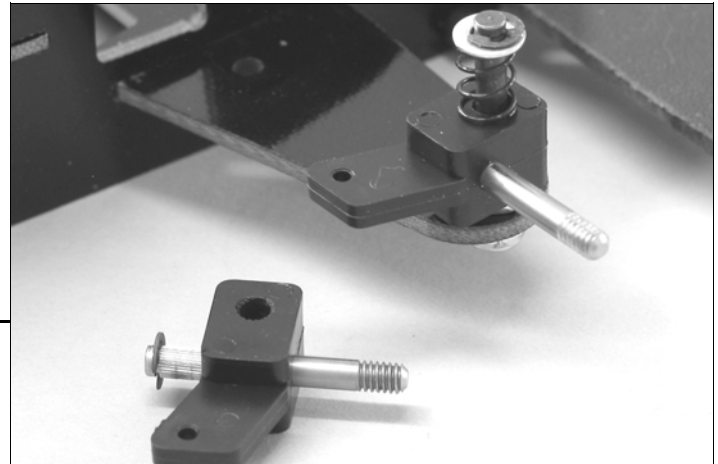
STEP 3 INSTALL THE OTHER 5070 CHASSIS SIDE IN THE SAME MANNER AS YOU USED EARLIER .



STEP 4 INSTALL THE FRONT BUMPER UNDER THE FRONT AXLE PLATE WITH THE TWO 1/4" CAP SCREWS (SHORTEST) SET THE CHASSIS ON YOUR TABLE TO SEE IF IT SITS FLAT. IF NOT, HOLD IT ON BOTH ENDS AND TWIST IT, THEN RE-CHECK.

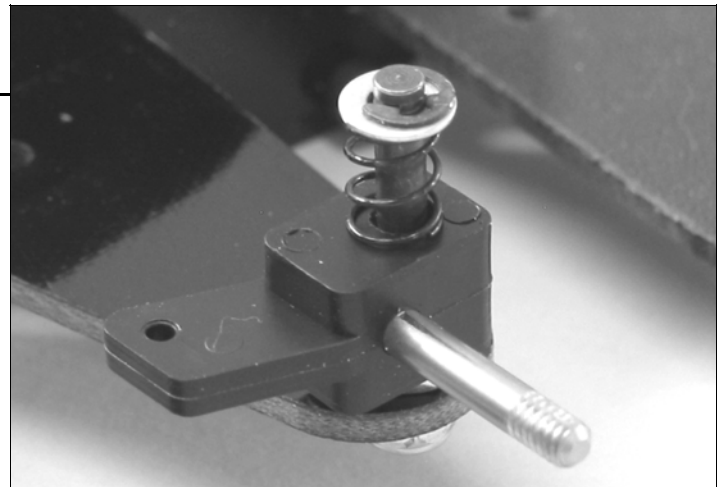


STEP 5 OPEN BAG L1B STEERING PARTS. THREAD ONE 7206 PLAIN NUT (THIN ONES) ON EACH 5377 KINGPIN (THE PLAIN ONES WITH THE LONGER THREADS). INSERT THEM THROUGH THE ENDS OF THE FRONT AXLE PLATE AND RETAIN WITH A 7207 LOCKNUT ON EACH ONE.

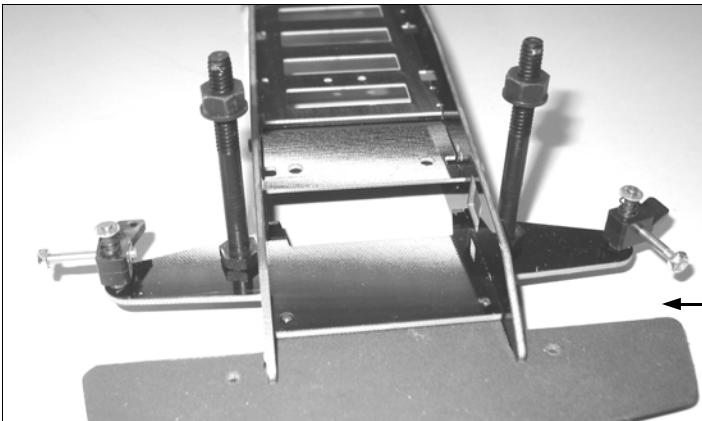


STEP 6 INSERT A 5364 STUB AXLE IN EACH 5351 STEERING BLOCK AS SHOWN AND SNAP A 5221 E-CLIP TO RETAIN IT. SLIDE EACH STEERING BLOCK ON A KINGPIN (TRIM ANY FLASH FROM THE HOLE IF IT IS TIGHT) LUBE EACH KINGPIN WITH SILICONE OR LIGHT OIL.

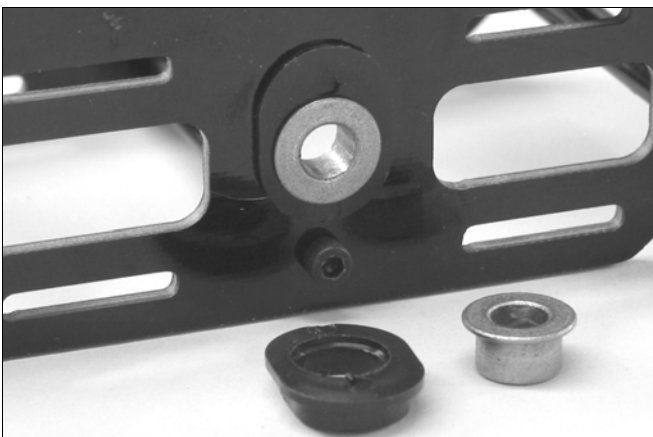
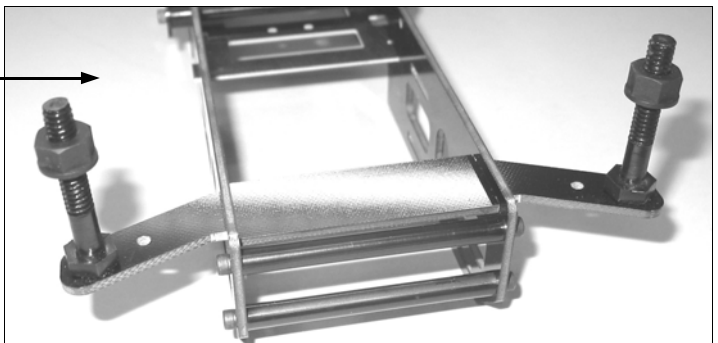
STEP 7 ADD A 5228 SPRING, WASHER , AND E-CLIP ON EACH KINGPIN. YOU CAN SCREW THE OTHER TWO LOCKNUTS ON THE STUB AXLES UNTIL IT IS TIME TO INSTALL THE TIRES.



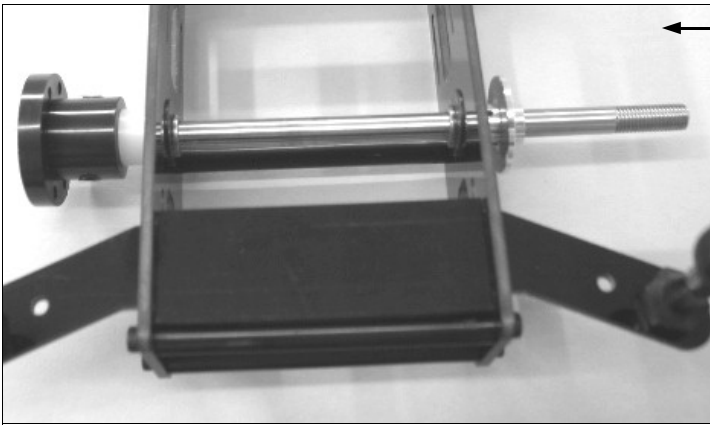
STEP 8 INSTALL THE FRONT BODY POSTS (LONGER ONES) ON THE FRONT AXLE PLATE WITH 3/8 CAP SCREWS . ADD TWO POST NUTS ON THE POSTS.



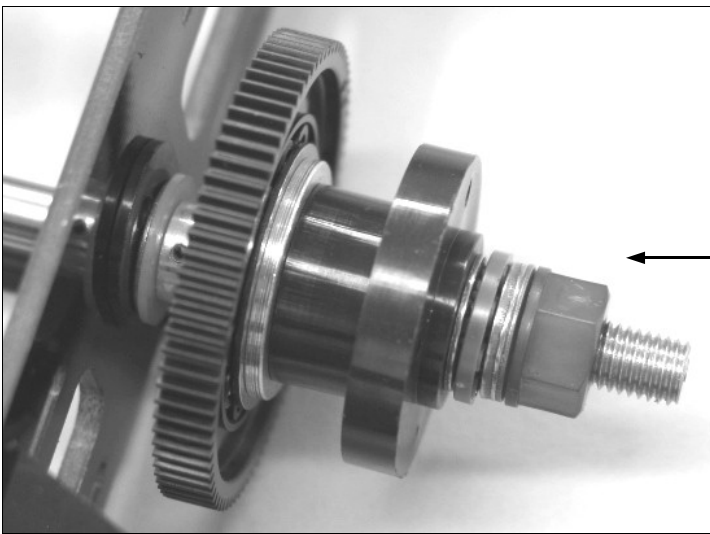
STEP 9 INSTALL THE TWO REAR POSTS ON THE REAR MOUNT IN THE SAME MANNER AS THE FRONT ONES.



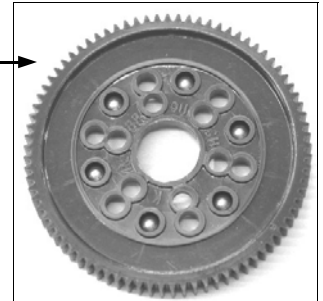
STEP 10 OPEN BAG L2 DIFF KIT. INSTALL A 5188 AXLE HEIGHT ADAPTOR ON EACH CHASSIS SIDE AND PRESS A 5452 REAR BUSHING IN EACH ONE.



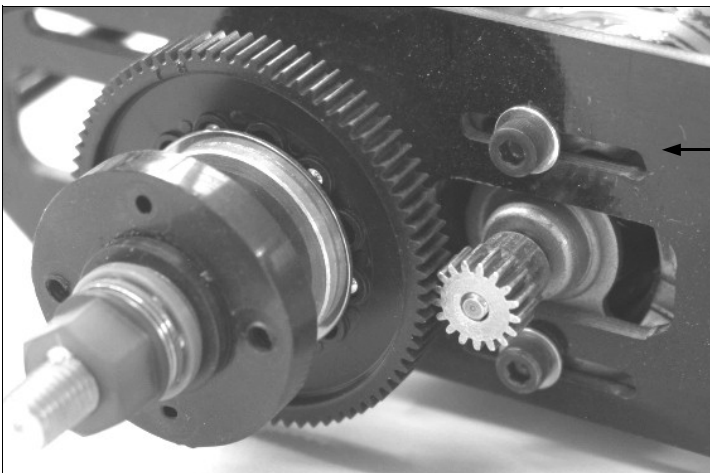
STEP 11 SLIDE A THIN NYLON WASHER ON THE 5730 AXLE, SLIDE IT THROUGH THE BUSHINGS, ADD THE 1/4" WIDE SPACER AND THE SETSCREW HUB. INSTALL THE TWO SETSCREWS IN THE HUB AND TIGHTEN EACH A LITTLE AT A TIME UNTIL THEY CONTACT THE AXLE. FOR BEST RESULTS, REMOVE THE HUB AND FILE FLAT SPOTS ON THE AXLE WHERE THE SET SCREWS CONTACT IT OR USE A DRILL TO MAKE A DIMPLE ON THE SPOT, THEN RE-INSTALL THE HUB. THIS WILL KEEP THE HUBS FROM SLIPPING ON THE AXLE WITHOUT HAVING TO TIGHTEN THEM SO MUCH.



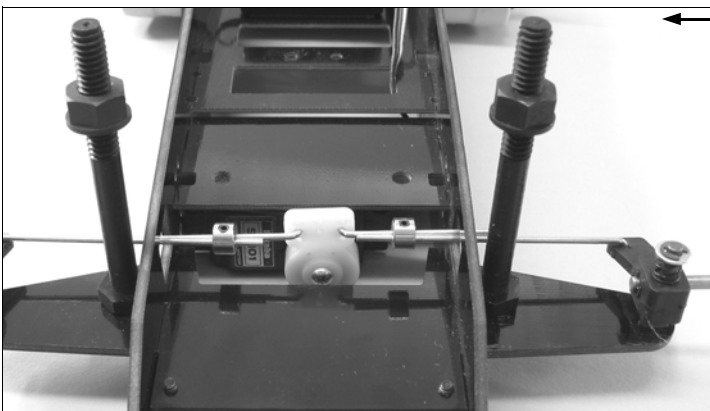
STEP 12 SNAP A DIFF BALL IN EVERY OTHER HOLE IN THE OUTER ROW OF HOLES IN THE DIFF GEAR. LUBE THEM WITH A LITTLE OIL OR SILICONE.



STEP 13 ASSEMBLE THE DIFF: 1ST DRIVE RING, GEAR, 2ND DRIVE RING, ALUM. ADAPTOR, HUB, THIN STEEL WASHER, BLUE BALL CAGE, THICK STEEL WASHER, CONE WASHER, AND THE RED LOCKNUT. TIGHTEN THE NUT CAREFULLY, MAKING SURE THAT THE DRIVE RINGS ARE IN PLACE. CHECK THE TIGHTNESS BY HOLDING BOTH HUBS AND TURNING THE GEAR WITH YOUR THUMB. IT SHOULD NOT SLIP TOO EASILY. YOU CAN DO YOUR FINAL ADJUSTMENT WHEN YOU RUN THE CAR.



STEP 14 INSTALL THE MOTOR YOU HAVE PURCHASED WITH M3 SCREWS AND WASHERS FROM BAG C1B. YOU CAN MOUNT IT IN FRONT OR BEHIND THE REAR AXLE TO GET THE DESIRED WEIGHT DISTRIBUTION. INSTALL THE GEAR WITH THE SETSCREW AND MAKE SURE IT LINES UP WITH THE DIFF GEAR. SLIDE THE MOTOR BACK UNTIL YOU HAVE A VERY SMALL AMOUNT OF PLAY BETWEEN THE GEARS. TIGHTEN THE MOTOR SCREWS, TURN THE AXLE A COUPLE OF TIMES, CHECK THE GEAR MESH, AND READJUST IF NECESSARY.



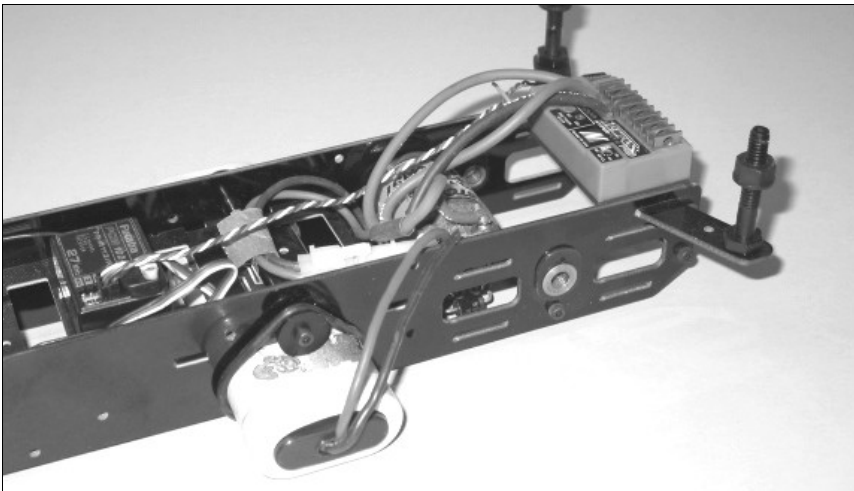
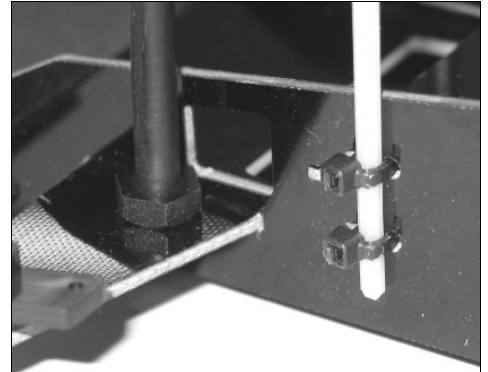
STEP 15 INSTALL YOUR STEERING SERVO WITH FOAM TAPE PROVIDED. WE SHOW IT UNDER THE SERVO TRAY, BUT YOU CAN MOUNT IT ON TOP OF THE TRAY OR ON THE FRONT AXLE PLATE WITH THE OUTPUT TO THE REAR IF YOU WANT TO LEAVE MORE ROOM TO MOVE YOUR BATTERY PACK FORWARD TO INCREASE THE WEIGHT ON THE FRONT END OF THE CAR. IF YOU MOUNT IT ON THE FRONT AXLE PLATE, YOU MAY HAVE TO PUT BENDS IN THE LINKAGE WIRES TO GET CLEARANCE THROUGH THE CHASSIS SIDES. INSTALL THE LINK RODS FROM BAG 2B AND ATTACH TOGETHER WITH THE TWO COLLARS AND SET SCREWS. MAKE SURE THE AXLES ARE POINTED STRAIGHT OUT. YOU CAN RECHECK THE ALIGNMENT AFTER YOU INSTALL THE FRONT TIRES.



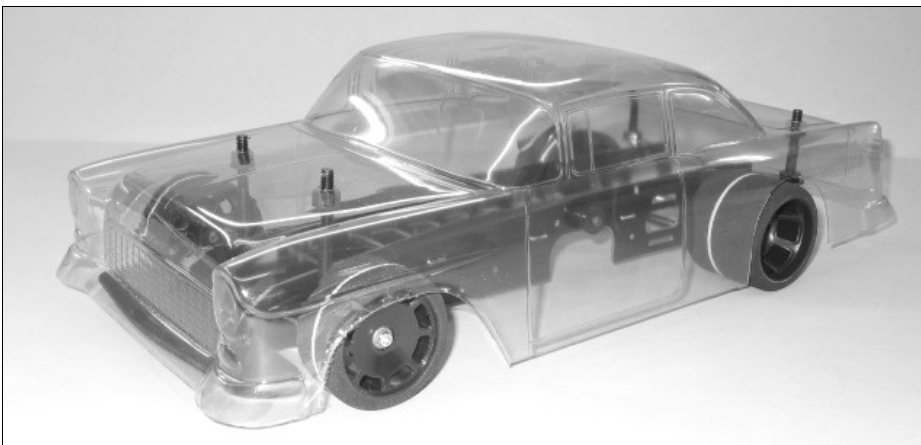
STEP 16 IF YOU ARE USING A NICAD OR NIMH STICK BATTERY PACK, YOU CAN MOUNT IT ACROSS THE CHASSIS IN FRONT OF THE MOTOR AND USE THE O-RINGS PROVIDED TO HOLD IT IN PLACE. IF YOU ARE GOING TO RUN OVAL, YOU CAN ATTACH A PIECE OF SCRAP PLASTIC ON TOP OF THE BATTERY PACK TO KEEP IT FROM SLIDING SIDWAYS IN AN ACCIDENT OR TO KEEP IT OFFSET TO THE INSIDE.

IF YOU ARE USING A LIPO PACK YOU CAN MOUNT IT BETWEEN THE FRAME SIDES AS FAR FORWARD OR BACK AS REQUIRED TO GET THE WEIGHT DISTRIBUTION DESIRED FOR THE TYPE OF RACING YOU WANT.

STEP 17 IF YOU ARE USING A RADIO THAT HAS A LONG RECEIVER ANTENNA WIRE, YOU CAN ATTACH THE ANTENNA TUBE WITH TWO SMALL TIE WRAPS SUPPLIED RIGHT BEHIND THE FRONT AXLE PLATE EITHER OUTSIDE OR INSIDE THE CHASSIS SIDE AND RUN YOUR ANTENNA WIRE UP THROUGH IT.



YOU CAN MOUNT YOUR RADIO RECEIVER AND ESC ANYWHERE THAT IS CONVENIENT TO GET THE WEIGHT DISTRIBUTION AS DESIRED. DON'T FORGET TO TAPE OR TIE WRAP THE WIRING SO THAT IT WON'T DRAG ON THE TRACK OR ROAD SURFACE. MAKE SURE TO CHARGE YOU BATTERY PACK, MAKE SURE EVERYTHING IS PLUGGED IN CORRECTLY AND ADJUST THE CONTROLS ACCORDING TO THE RADIO MANUFACTURER'S INSTRUCTIONS.



PRESS THE 5457 BUSHINGS FROM BAG C1B INTO THE FRONT WHEELS . OIL THE FRONT AXLES, SLIDE THE WHEELS ON AND RETAIN WITH LOCKNUTS. TIGHTEN THE NUTS UNTIL THE SIDEPLAY IS MINIMUM AND THE TIRE TURNS FREELY. ATTACH THE REAR TIRES WITH TWO 1/2" SCREWS EACH FROM THE L2 DIFF BAG.

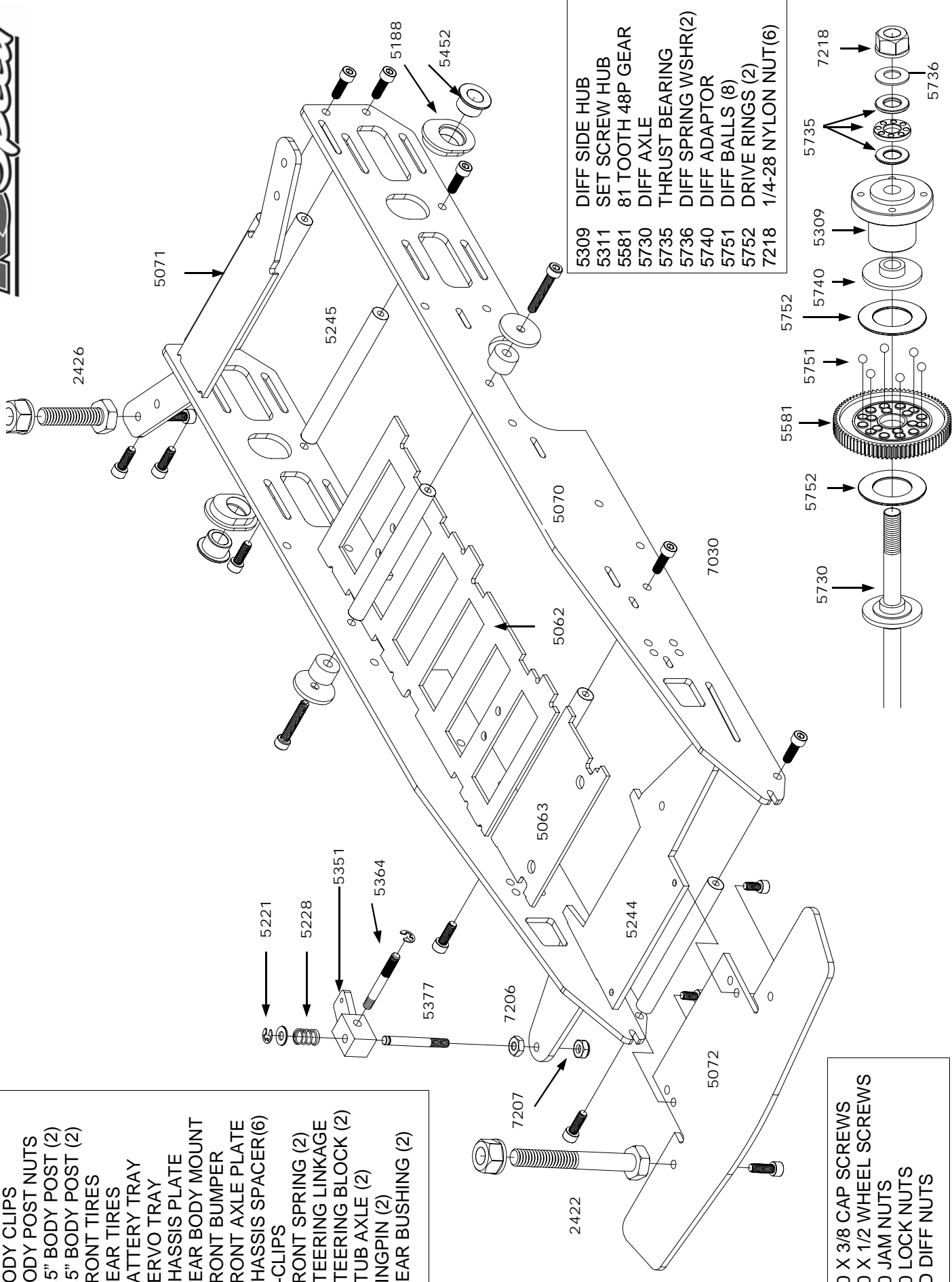
SET THE BODY DOWN OVER THE CHASSIS AND MARK THE LOCATIONS FOR THE BODY POST HOLES AND REAR WHEEL WELLS.

MASK THE BODY AS YOU WISH, PAINT IT WITH PAINT MADE FOR LEXAN PLASTIC, ALLOW THE PAINT TO DRY COMPLETELY, TRIM IT OUT , AND DRILL THE HOLES FOR THE BODY POSTS. SET THE BODY DOWN OVER THE POSTS AND ADJUST THE NUTS TO SET THE BODY HEIGHT SO THAT IT WON'T DRAG THE TRACK. TAKE YOUR RJ SPEED OUT AND HAVE SOME FUN! REPLACEMENT PARTS AND ACCESSORIES ARE AVAILABLE THROUGH YOUR LOCAL HOBBY SHOP. IF THEY DON'T STOCK WHAT YOU NEED, ASK THEM TO ORDER THE PARTS FOR YOU. SEE ALL OF OUR PRODUCTS AT www.rjspeed.com



RJS2017 SPORTSMAN RACER KIT LESS ELECTRICS

- 1050 SPORTSMAN BODY
- 2403 BODY CLIPS
- 2424 BODY POST NUTS
- 2426 1.5" BODY POST (2)
- 2422 2.5" BODY POST (2)
- 2520 FRONT TIRES
- 2530 REAR TIRES
- 5062 BATTERY TRAY
- 5063 SERVO TRAY
- 5070 CHASSIS PLATE
- 5071 REAR BODY MOUNT
- 5072 FRONT BUMPER
- 5244 FRONT AXLE PLATE
- 5245 CHASSIS SPACER(6)
- 5221 E-CLIPS
- 5228 FRONT SPRING (2)
- 5308 STEERING LINKAGE
- 5351 STEERING BLOCK (2)
- 5364 STUB AXLE (2)
- 5377 KINGPIN (2)
- 5452 REAR BUSHING (2)



- 5309 DIFF SIDE HUB
- 5311 SET SCREW HUB
- 5581 81 TOOTH 48P GEAR
- 5730 DIFF AXLE
- 5735 THRUST BEARING
- 5736 DIFF SPRING WSHR(2)
- 5740 DIFF ADAPTOR
- 5751 DIFF BALLS (8)
- 5752 DIFF RINGS (2)
- 7218 1/4-28 NYLON NUT(6)

- 7030 5-40 X 3/8 CAP SCREWS
- 7031 5-40 X 1/2 WHEEL SCREWS
- 7206 5-40 JAM NUTS
- 7207 5-40 LOCK NUTS
- 7218 RED DIFF NUTS