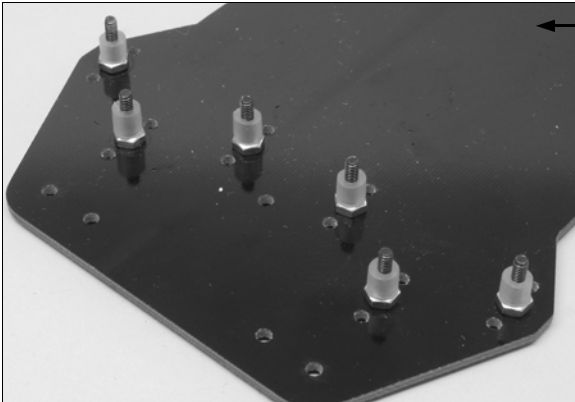




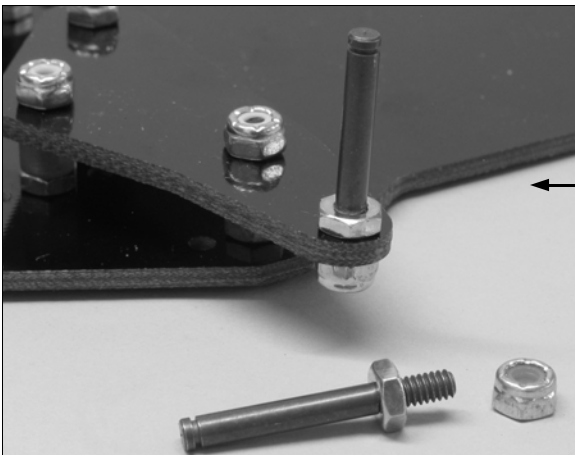
RJS2020 SPORT 3.2 1/10 PAN CAR KIT LESS ELECTRICS

THANKS FOR BUYING THE RJ SPEED 1/10 SPORT 3.2 KIT. 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. (BAG 11)

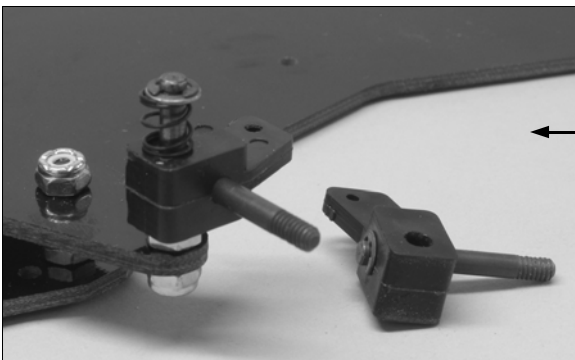
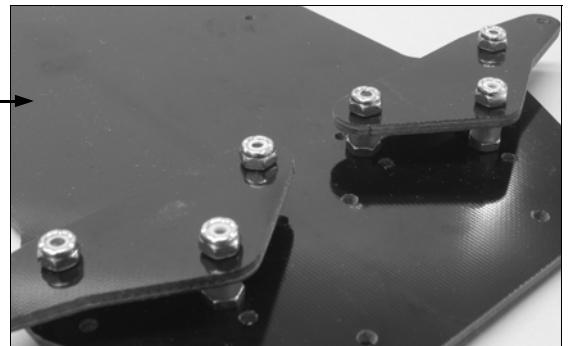
THIS KIT REQUIRES A 540 OR 550 SIZE MOTOR, 4 OR 6 CELL BATTERY PACK, 2 CHANNEL RADIO SYSTEM WITH 1 SERVO AND ESC AND A SERVO SAVER TO FIT THE BRAND OF RADIO YOU HAVE CHOSEN. YOU WILL ALSO NEED PAINT FOR THE LEXAN BODY.



STEP 1 GET THE CHASSIS FROM BAG 1 AND OPEN BAG 2 . DO NOT OPEN THE INNER BAG S2A YET. INSTALL SIX 5/8 LONG SCREWS IN THE CHASSIS IN THE CENTER SET OF HOLES FOR THE FRONT PLATES . ADD A JAM NUT ON EACH AND TIGHTEN. ADD A SILICONE TUBE ON EACH ONE.



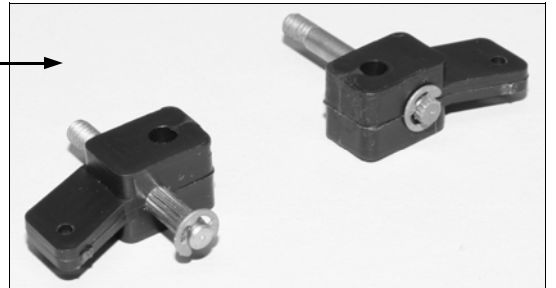
STEP 2 INSTALL THE A-ARMS AS SHOWN AND RETAIN WITH LOCKNUTS. TIGHTEN THEM UNTIL THE A-ARMS TOUCH THE TUBING. YOU CAN ADJUST THEM LATER TO KEEP THE TIRE WEAR EVEN.



STEP 3 THREAD A JAM NUT (THIN ONE) ON EACH KINGPIN, INSERT THE KINGPIN THRU THE FRONT AXLE PLATE AND RETAIN WITH A LOCKNUT.

STEP 4 SLIDE A STUB AXLE IN EACH STEERING BLOCK AS SHOWN AND ADD AN E-CLIP.

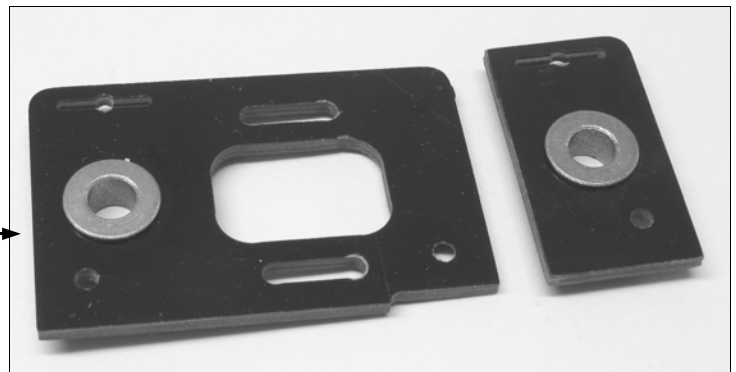
STEP 4 SLIDE A STUB AXLE IN EACH STEERING BLOCK AS SHOWN AND ADD AN E-CLIP.

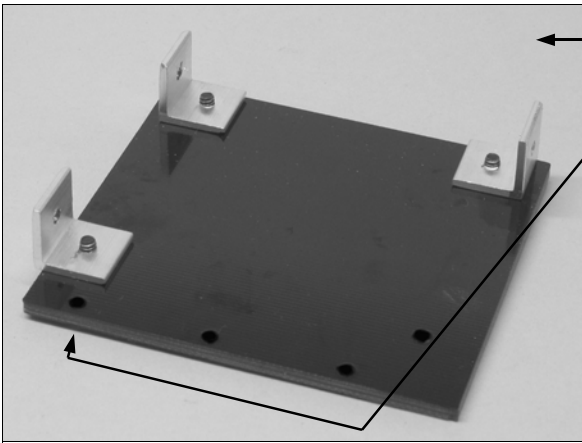


STEP 5 LUBE EACH KINGPIN WITH A SMALL AMOUNT OF GREASE OR SILICONE LUBE. SLIDE A STEERING BLOCK ON EACH ONE, ADD A SPRING, THEN THE STEEL WASHER, AND RETAIN WITH AN E-CLIP ON EACH ONE.

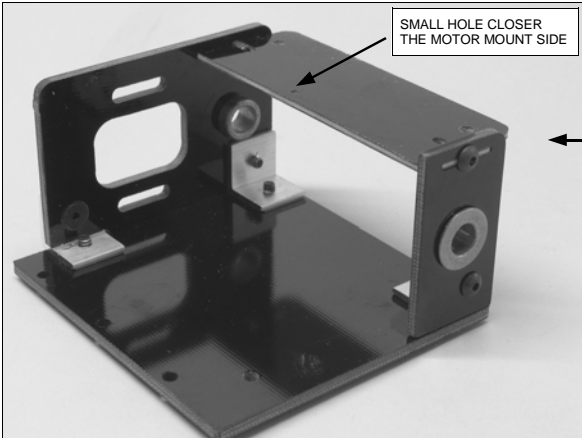
STEP 6 OPEN BAG S3. PRESS AN OILITE BUSHING INTO THE MOTOR MOUNT AND AXLE CARRIER AS SHOWN. PAY ATTENTION TO THE PICTURE AND MAKE SURE YOU PRESS THEM IN FROM THE CORRECT SIDE.

1

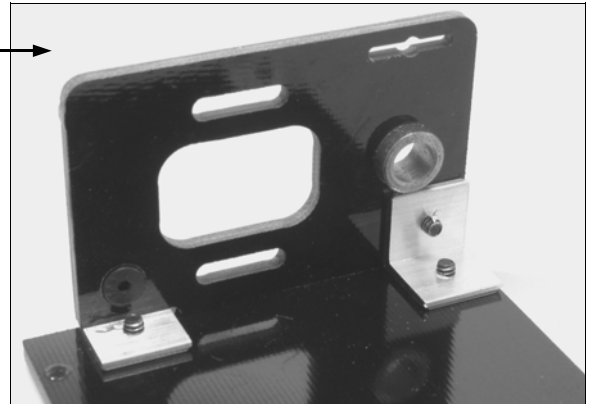




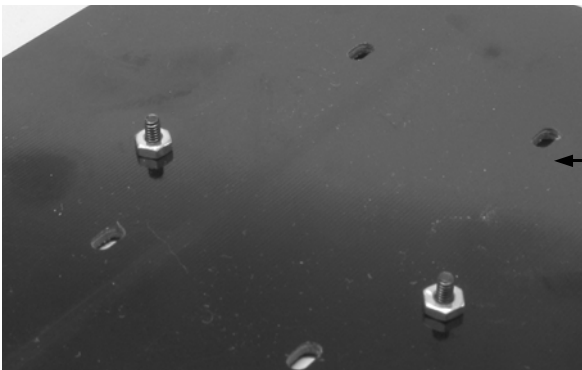
STEP 7 ATTACH THREE ANGLE BRACKETS TO THE BOTTOM PLATE WITH 1/4" SCREWS. NOTE THE OFFSET IN THE THREE HOLES IN THE FRONT OF THE PLATE THAT WILL ATTACH IT TO THE U-PLATE. TIGHTEN THE SCREWS LATER.



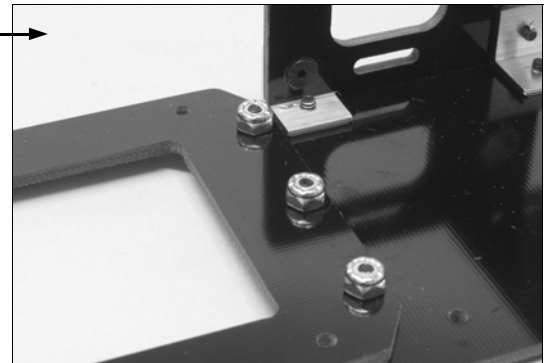
STEP 8 ATTACH THE MOTOR MOUNT TO THE ANGLE BRACKETS. USE A FLAT HEAD SCREW FROM THE INSIDE AT THE FRONT AND 1/4" BUTTON HEAD FROM THE OUT-SIDE AT THE REAR. TIGHTEN ALL FOUR SCREWS.



STEP 9 INSERT THE REAR BRACE INTO THE SLOT AT THE TOP OF THE MOTOR MOUNT. THE ROUNDED CORNERS SHOULD BE TOWARDS THE REAR. SLIDE THE AXLE MOUNT ONTO THE BRACE AND ATTACH WITH ONE 1/4" SCREW INTO THE BRACKET AND ANOTHER INTO THE BRACE. ADD ANOTHER SCREW THRU THE MOTOR MOUNT INTO THE BRACE AND TIGHTEN ALL.

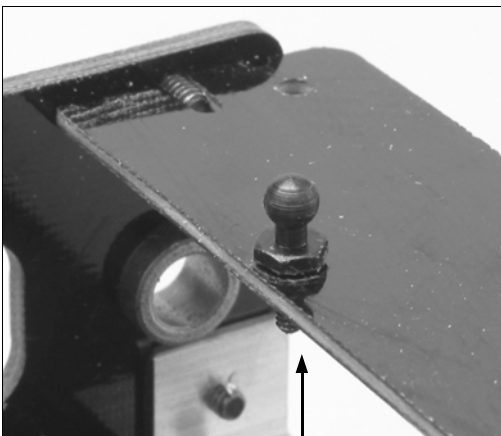
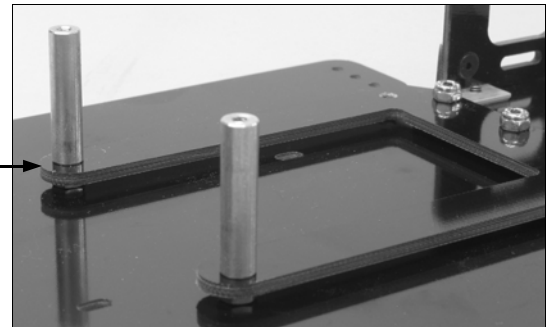


STEP 10 OPEN S3A AND ATTACH THE U-PLATE ON TOP OF THE BOTTOM PLATE WITH 3/8 LONG SCREWS AND LOCK NUTS.

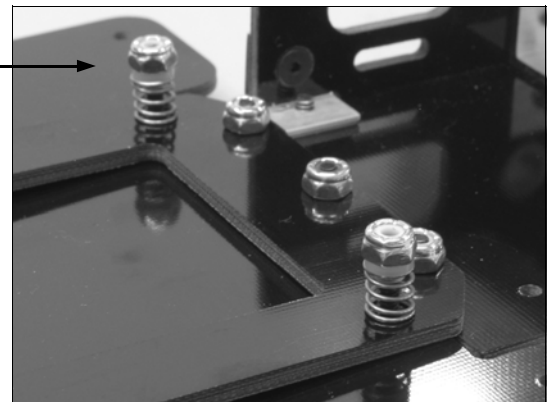


STEP 11 INSERT TWO 3/8 SCREWS THRU THE TWO HOLES IN THE CHASSIS PLATE THAT ARE BETWEEN THE FOUR SLOTS AND RETAIN WITH JAM NUTS.

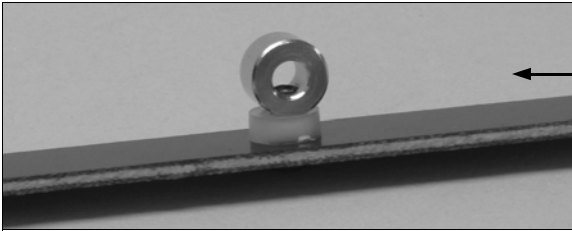
STEP 12 INSTALL THE U-PLATE ON THE TWO SCREWS AND RETAIN WITH THE TWO 1.1" LONG ALUMINUM POSTS. TIGHTEN THEM.



STEP 13 INSTALL TWO 5/8 LONG SCREWS UP THROUGH THE REAR HOLES IN THE REAR OF THE CHASSIS AND THROUGH THE U PLATE. ADD A SPRING, SPRING BUSHING, AND LOCKNUT ON EACH ONE. TIGHTEN THEM DOWN UNTIL THE END OF THE SCREW IS ABOUT LEVEL WITH THE TOP OF THE NUT.

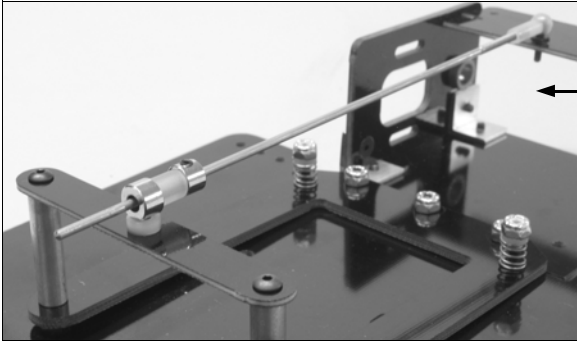


STEP 14 THREAD THE #2 BALL JOINT THRU THE SMALL HOLE IN THE REAR BRACE.



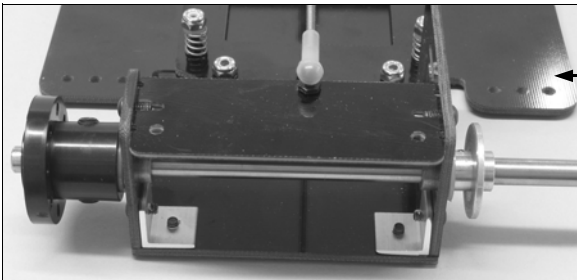
STEP 15 INSERT A 1/4" LONG SCREW THRU THE CENTER HOLE IN THE SUPPORT PLATE, THEN ADD A 3/32 PLASTIC SPACER AND THREAD THE SCREW INTO THE THREADED HOLE IN THE SIDE OF THE 1/8" (LARGER) COLLAR AND TIGHTEN LIGHTLY.

STEP 16 ATTACH THE SUPPORT PLATE TO THE POSTS WITH TWO 1/4" LONG SCREWS.

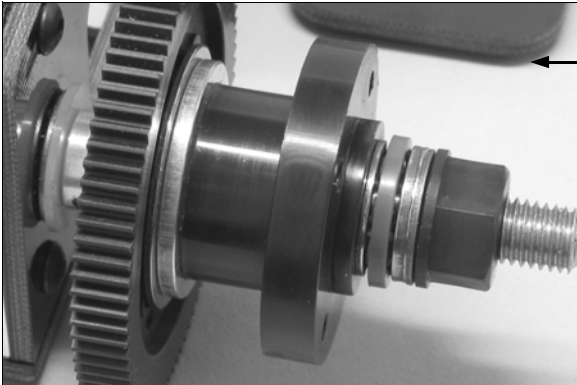


STEP 17 LOCATE THE SUSPENSION ROD FROM THE CHASSIS BAG AND SCREW THE PLASTIC BALL CUP ON THE THREADED END. SLIDE THE SMALL COLLAR AND THE SILICONE TUBE ON THE ROD, THEN INSERT THE ROD INTO THE COLLAR ON THE SUPPORT PLATE AND SNAP THE BALL CUP ONTO THE BALL JOINT ON THE REAR BRACE. INSTALL THE 1/8 SETSCREW IN THE COLLAR, SLIDE IT FORWARD UNTIL THE SILICONE TUBE CONTACTS THE COLLAR ON THE SUPPORT PLATE.

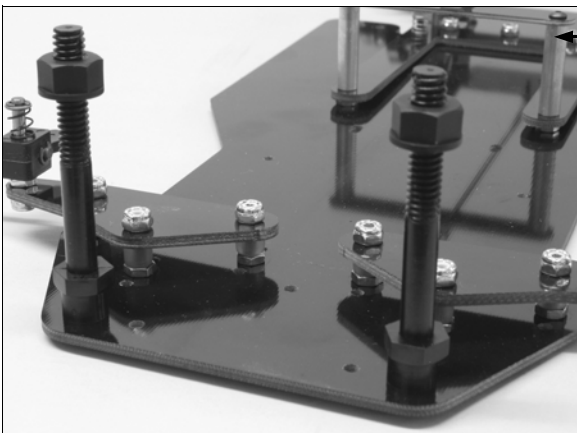
YOU CAN ADJUST THE REAR TRACTION LATER BY PUTTING MORE OR LESS PRESSURE AGAINST THE COLLAR.



STEP 18 OPEN BAG S4. INSTALL A PLASTIC SPACER ON THE LONG END OF THE AXLE, INSERT IT THRU THE REAR BUSHINGS, ADD ANOTHER PLASTIC SPACER AND THE SET SCREW HUB. LEAVE A SMALL AMOUNT OF SIDEPLAY IN THE AXLE AND THREAD TWO SETSCREWS INTO THE HUB. TIGHTEN EACH SETSCREW A LITTLE AT A TIME TO KEEP FROM WARPING THE HUB. LUBE EACH BUSHING WITH LIGHT OIL AND MAKE SURE THE AXLE SPINS FREELY.

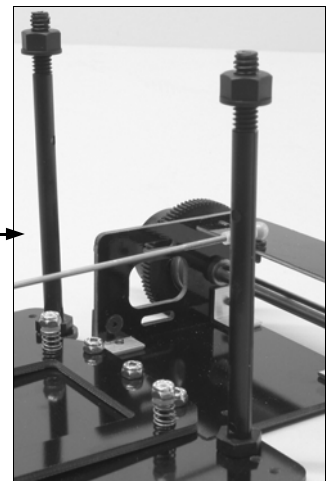


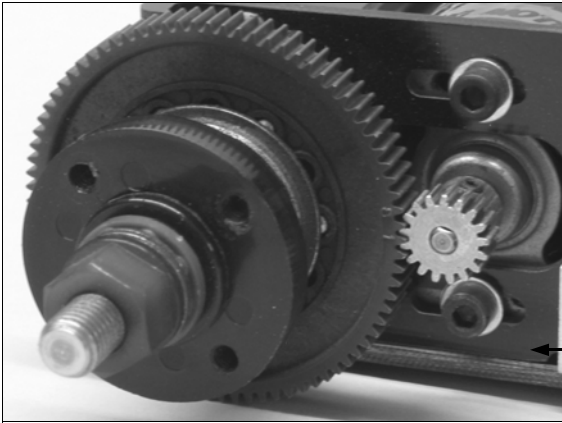
STEP 19 OPEN THE BAG WITH THE 8 DIFF BALLS AND SNAP ONE IN EACH HOLE IN THE INNER CIRCLE ON THE DIFF GEAR. LUBE THEM WITH A SMALL AMOUNT OF SILICONE LUBE OR LIGHT GREASE. ASSEMBLE THE DIFF CAREFULLY AS FOLLOWS DRIVE RING, GEAR, 2ND DRIVE RING, ALUM. ADAPTOR, NARROW DIFF HUB, THIN METAL WASHER, BLUE BALL CAGE, THICK FLAT WASHER, BOWED SPRING WASHER, AND RED DIFF NUT. TIGHTEN THE NUT UNTIL YOU CAN HOLD A HUB WITH EACH HAND AND USE YOUR THUMB TO TURN THE GEAR. TIGHTEN A LITTLE AT A TIME UNTIL THE GEAR IS A LITTLE HARD TO TURN. YOU CAN ADJUST IT MORE WHEN YOU RUN THE CAR.



STEP 20 OPEN BAG 5 INSTALL TWO LONG SCREWS IN THE OUTER HOLES IN THE FRONT OF THE CHASSIS, ADD THE 1/4" SPACERS AND THE SHORTER BODY POSTS. ADD THE NUTS FOR BODY HEIGHT ADJUSTMENT.

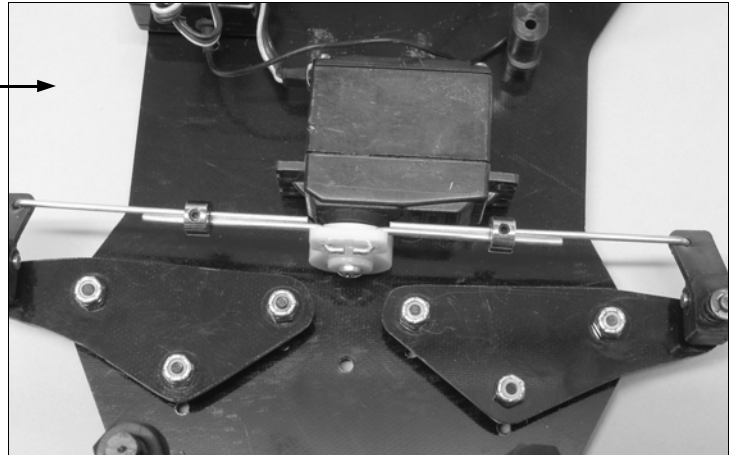
INSTALL THE LONG POSTS AT THE REAR OF THE CHASSIS IN THE INNER SET OF HOLES IF YOU WANT THEM TO COME THRU THE ROOF INSIDE THE ROOF RAILS OR IN THE OUTER HOLES IF YOU WANT THEM TO COME THRU THE ROOF OUTSIDE THE ROOF RAILS. ADD THE ADJUSTER NUTS AND PUT THE BODY CLIPS ASIDE.



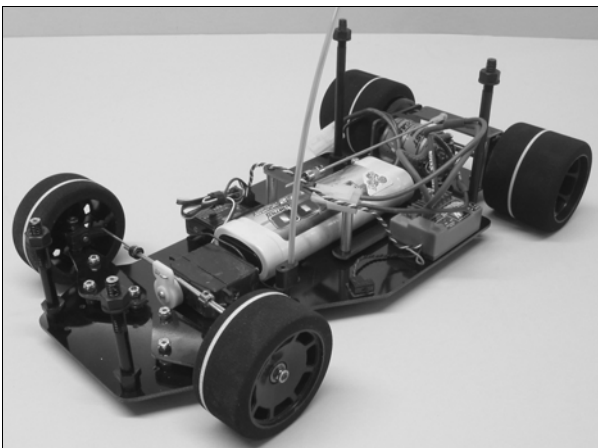
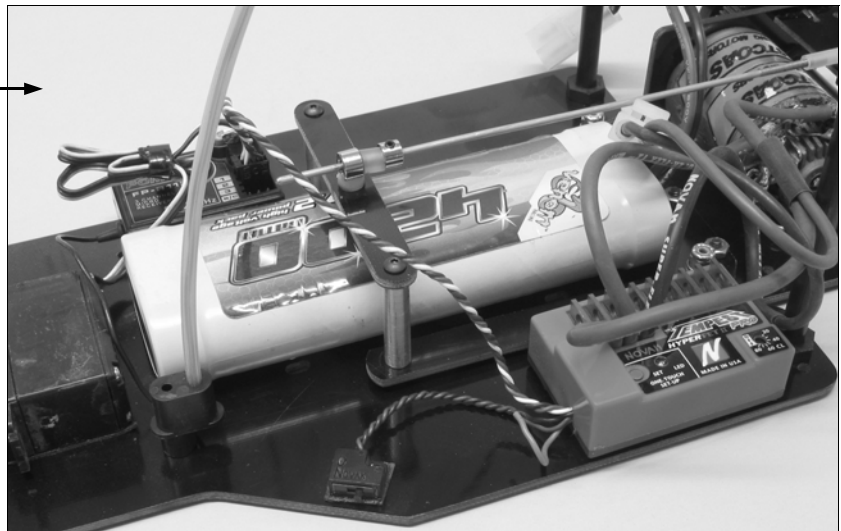


STEP 21 OPEN BAG S6 ATTACH THE PINION GEAR SUPPLIED ON THE MOTOR YOU HAVE CHOSEN WITH THE 1/8" LONG SET SCREW. USE THE TWO SCREWS AND WASHERS TO ATTACH THE MOTOR TO THE MOTOR PLATE. SLIDE THE MOTOR BACK UNTIL THE GEARS MESH. TIGHTEN THE MOTOR LIGHTLY AND CHECK TO MAKE SURE THERE IS A SLIGHT AMOUNT OF PLAY BETWEEN THE GEARS. TURN THE GEARS , CHECK THE MESH AGAIN, AND TIGHTEN THE MOTOR SCREWS AND CHECK THE MESH AGAIN. THE GEAR WE PROVIDE WILL FIT MOST MOTORS. IF YOU PURCHASE A MOTOR WITH A DIFFERENT SHAFT, YOU WILL HAVE TO GET A DIFFERENT GEAR.

STEP 22 INSTALL YOUR SERVO ON THE CHASSIS WITH SERVO TAPE PROVIDED JUST BEHIND THE FRONT END WITH THE OUTPUT ARM IN THE CENTER. THE BEST WAY IS TO LAY IT ON THE CHASSIS AND INSTALL THE LINKAGE, THEN STICK THE SERVO DOWN. USE A LONG LINK AND A SHORT LINK ON EACH SIDE AND ATTACH THEM TOGETHER WITH A 1/8 SET COLLAR ALIGN THE TIRES AND TIGHTEN THE COLLARS.



STEP 23 INSTALL YOUR RECEIVER, SPEED CONTROL, AND SWITCH ON THE CHASSIS WITH THE SERVO TAPE IN POSITIONS YOU PREFER. USE THE 3/8"LONG SCREW TO ATTACH THE ANTENNA MOUNT IN ONE OF THE HOLES PROVIDED OR DRILL YOUR OWN IF YOU WISH TO PUT IT IN A DIFFERENT LOCATION. ATTACH YOUR BATTERY PACK WITH TWO TIE STRAPS IN THE SLOTS AND PULL THEM TIGHT.



STEP 24 INSTALL BUSHINGS FROM BAG 6 IN EACH SIDE OF EACH FRONT TIRE, OIL THE FRONT AXLES, SLIDE THE TIRES ON AND RETAIN WITH LOCK NUTS. ATTACH EACH REAR TIRE WITH TWO SCREWS FROM BAG 4.

STEP 25 SET YOUR BODY DOWN OVER THE CHASSIS AND MARK THE OUTSIDE FOR BODY MOUNTS AND FOR YOUR WHEEL WELLS. PAINT THE BODY AS YOU WISH . CUT IT OUT, DRILL THE MOUNT HOLES, THEN REMOVE THE PROTECTIVE FILM.TRIM THE WING OUT AND MOUNT IT USING THE HARDWARE PROVIDED. CHARGE YOUR BATTERIES, TURN ON YOUR RADIO, AND ADJUST THE STEERING AND SPEED CONTROL ACCORDING TO THE MANUFACTURERS' INSTRUCTIONS. RUN THE CAR AROUND SLOWLY UNTIL YOU GET USED TO HOW IT TURNS AND HANDLES . YOU CAN TIGHTEN THE REAR TWO SCREWS ON THE A-ARMS TO GIVE IT A LITTLE CASTER (KINGPIN LEAN BACK), AND TIGHTEN THE INSIDE ONES MORE IF THE FRONT TIRES WEAR MORE ON THE OUTSIDE. YOU CAN TIGHTEN THE LOCKNUTS ON THE U-BAR SPRINGS, TO STIFFEN THE SIDE TO SIDE MOVEMENT. YOU CAN STIFFEN THE REAR FLEX BY PUSHING TO SILICONE TUBE HARDER AGAINST THE COLLAR ON THE SUPPORT. A SMALL ADJUSTMENT HERE CAN MAKE A LARGE DIFFERENCE. **NOW TAKE YOU CAR OUT AND HAVE SOME FUN.**SEE THE ATTACHED SHEET FOR REPLACEMENT PARTS AND ACCESSORIES AVAILABLE THRU YOUR LOCAL HOBBY SHOP.

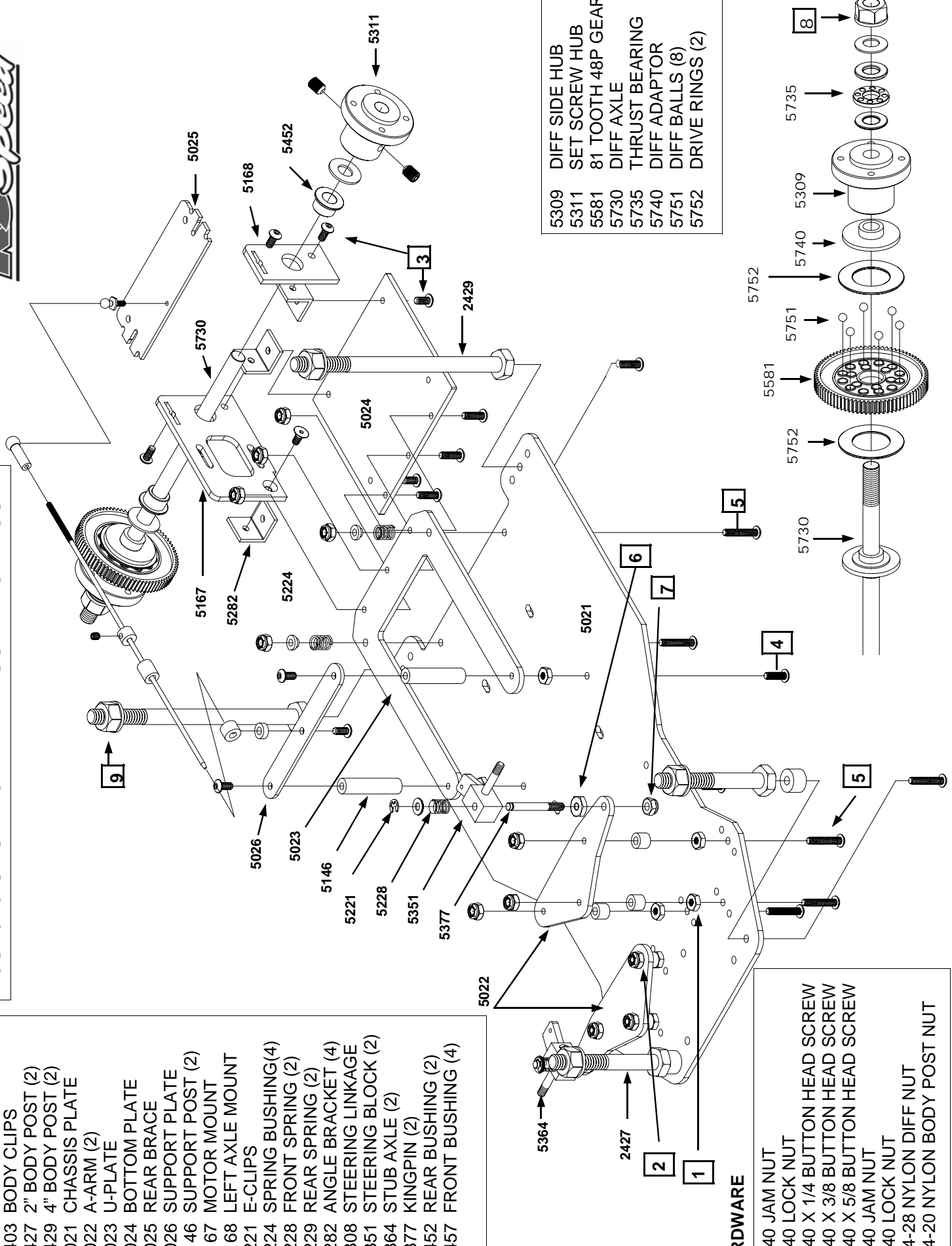


RJS2020 SPORT 3.2 KIT LESS ELECTRICS

- 1039 STOCK CAR BODY
- 2403 BODY CLIPS
- 2427 2" BODY POST (2)
- 2429 4" BODY POST (2)
- 5021 CHASSIS PLATE
- 5022 A-ARM (2)
- 5023 U-PLATE
- 5024 BOTTOM PLATE
- 5025 REAR BRACE
- 5026 SUPPORT PLATE
- 5146 SUPPORT POST (2)
- 5167 MOTOR MOUNT
- 5168 LEFT AXLE MOUNT
- 5221 E-CLIPS
- 5224 SPRING BUSHING(4)
- 5228 FRONT SPRING (2)
- 5229 REAR SPRING (2)
- 5282 ANGLE BRACKET (4)
- 5308 STEERING LINKAGE
- 5351 STEERING BLOCK (2)
- 5364 STUB AXLE (2)
- 5377 KINGPIN (2)
- 5452 REAR BUSHING (2)
- 5457 FRONT BUSHING (4)

- 5309 DIFF SIDE HUB
- 5311 SET SCREW HUB
- 5581 81 TOOTH 48P GEAR
- 5730 DIFF AXLE
- 5735 THRUST BEARING
- 5740 DIFF ADAPTOR
- 5751 DIFF BALLS (8)
- 5752 DRIVE RINGS (2)

- HARDWARE**
- 1 4-40 JAM NUT
 - 2 4-40 LOCK NUT
 - 3 4-40 X 1/4 BUTTON HEAD SCREW
 - 4 4-40 X 3/8 BUTTON HEAD SCREW
 - 5 4-40 X 5/8 BUTTON HEAD SCREW
 - 6 5-40 JAM NUT
 - 7 5-40 LOCK NUT
 - 8 1/4-28 NYLON DIFF NUT
 - 9 1/4-20 NYLON BODY POST NUT



PARTS AND ACCESSORIES FOR THE RJ SPEED SPORT 3.2 KIT www.rjspeed.com

REPLACEMENT PARTS

| | | |
|------|----------------------------------|---------|
| 1039 | 2010 STOCK CAR BODY WITH WING | \$27.99 |
| 1857 | STICK-IT SERVO TAPE | \$4.79 |
| 2427 | 2" BODY POST (2) | \$2.79 |
| 2429 | 4" BODY POST (2) | \$3.89 |
| 5021 | SPORT CHASSIS PLATE .093 THICK | \$19.99 |
| 5022 | SPORT A-ARM (2) | \$5.99 |
| 5023 | SPORT U-PLATE .093 THICK | \$5.99 |
| 5024 | SPORT BOTTOM PLATE .093 THICK | \$4.99 |
| 5025 | SPORT REAR BRACE .063 THICK | \$4.99 |
| 5026 | SPORT SUPPORT PLATE .063 THICK | \$3.99 |
| 5167 | MOTOR MOUNT PLATE .093 THICK | \$5.99 |
| 5168 | LEFT AXLE MOUNT PLATE .093 THICK | \$ 4.99 |
| 5221 | 1/8" E-CLIPS (6) | \$1.99 |
| 5224 | #4 SPRING BUSHING (4) | \$1.99 |
| 5228 | FRONT SUSPENSION SPRINGS (2) | \$1.99 |
| 5229 | REAR SUSPENSION SPRINGS (2) | \$3.99 |
| 5282 | ALUMINUM ANGLE BRACKET (4) | \$5.99 |
| 5308 | STEERING LINKAGE SET | \$3.49 |
| 5309 | NARROW NYLON DIFF HUB | \$3.49 |
| 5311 | STD. NYLON SET SCREW HUB | \$2.99 |
| 5351 | STEERING BLOCKS (2) | \$3.99 |
| 5364 | STUB AXLES (2) W/NUTS | \$4.49 |
| 5377 | KINGPINS (2) W/NUTS | \$4.49 |
| 5452 | REAR AXLE BUSHING (2) | \$ 1.99 |
| 5457 | FRONT WHEEL BUSHING (4) | \$ 1.99 |
| 5581 | 81 TOOTH 48 PITCH DIFF GEAR | \$5.99 |
| 5730 | STAINLESS STEEL DIFF AXLE | \$13.99 |
| 5735 | 1/4" THRUST BEARING SET | \$3.99 |
| 5751 | .125 (1/8") DIFF BALLS (8) | \$1.99 |
| 5752 | DIFF DRIVE RINGS (2) | \$2.29 |

FOR BALL BEARING UPGRADE, YOU WILL NEED
FOUR 1/8 X 5/16 FLANGED FOR THE FRONT WHEELS
AND TWO 1/4 X 3/8 FLANGED FOR THE REAR AXLE

ACCESSORIES

1021 DIRT OVAL WEDGE BODY \$ 27.99



5248 ALUMINUM MOTOR HEATSINK \$10.99



5313 HYBRID NYLON / ALUMINUM SET SCREW HUB NARROW \$7.99

