

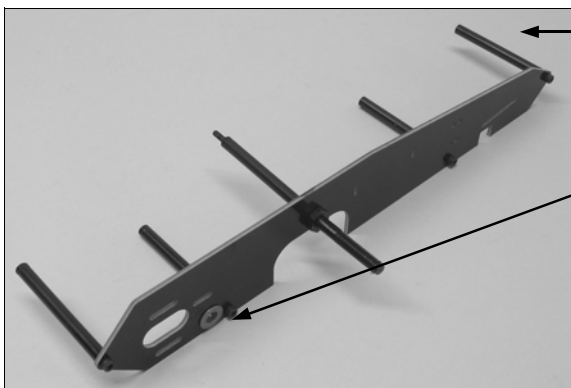


# DIGGER

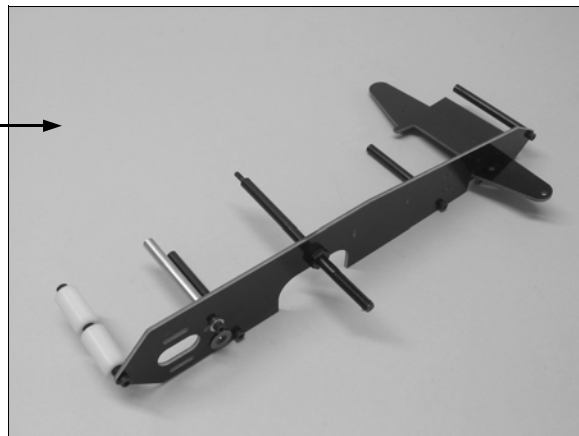
2015 DIGGER CAR KIT LESS ELECTRICS  
2016 DIGGER TRUCK KIT LESS ELECTRICS

THANKS FOR BUYING OUR DIGGER KIT . IT IS DESIGNED FOR LOTS OF PARKING LOT FUN. IT IS VERY SIMPLE TO BUILD AND IF YOU TAKE CARE IN THE ASSEMBLY, IT WILL PROVIDE YOU WITH HOURS AND HOURS OF FUN. THE KIT INCLUDES A COMPLETE CHASSIS KIT WITH PRE MOUNTED TIRES, GEARS, LINKAGE, AND A CLEAR LEXAN BODY .

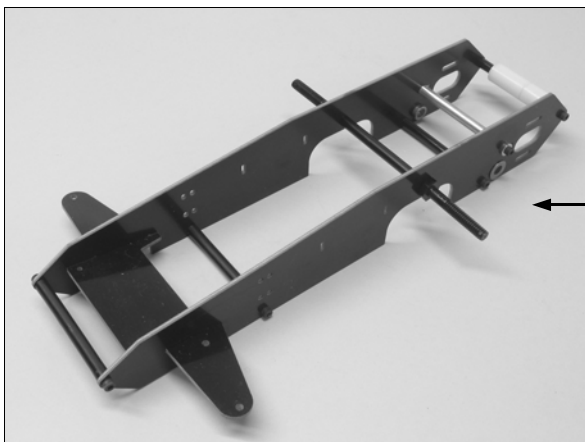
THE DIGGER REQUIRES A 540 OR 500 SIZE MOTOR, 6 CELL STICK PACK, 2 CHANNEL RADIO CONTROL SYSTEM WITH ONE SERVO, AN ESC WITH REVERSE AND PAINT FOR THE LEXAN BODY. YOU WILL NEED A SMALL PAIR OF PLIERS, AND A 1/4" WRENCH OR NUTDRIVER. HEX WRENCHES TO FIT THE SOCKET SCREWS ARE INCLUDED. TAKE YOUR TIME, AND LOOK AT THE PICTURES AND DRAWINGS. PARTS AND ACCESSORIES ARE AVAILABLE THRU YOUR LOCAL HOBBY SHOP.



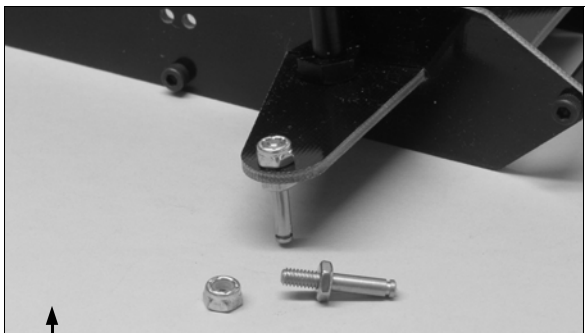
STEP 1 OPEN BAG B1 CHASSIS KIT GET THE CHASSIS SPACERS FROM BAG A AND THE SCREWS FROM BAG B. INSTALL THE ONE THAT HAS THREADED STUD IN THE ENDS IN THE HOLE ABOVE THE LARGE CUTOUT IN THE RIGHT CHASSIS SIDE (NOTE THAT THE LARGE SIDE IF THE REAR BUSHING IS TO THE OUTSIDE) AND THREAD ONE OF THE SHORTER BODY POSTS ONTO IT AND TIGHTEN. ATTACH THE OTHER FOUR SPACERS WITH 3/8 SCREWS, HOLD THE WITH PLIERS AND TIGHTEN.



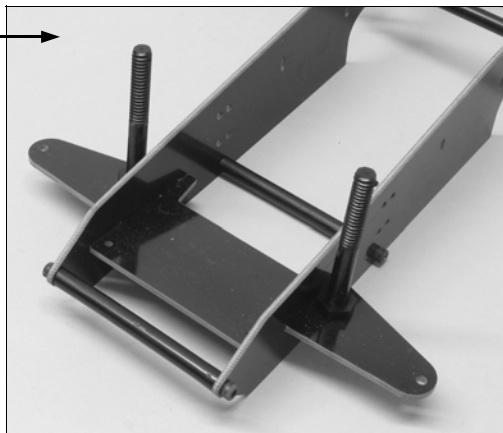
STEP 2 ADD THE ALUMINUM CHASSIS SPACER WITH A 3/8 SCREW **AND WASHER** TOWARDS THE FRONT OF THE SLOT ABOVE THE AXLE BUSHING. YOU WILL TIGHTEN IT LATER. SLIDE THE TWO 1" LONG ROLLERS ON THE REAR SPACER, AND SLIDE THE FRONT AXLE PLATE IN AS SHOWN.



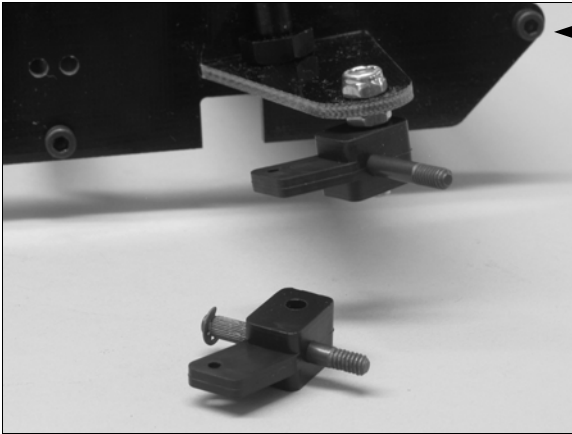
STEP 3 SLIDE THE OTHER CHASSIS SIDE OVER THE FRONT AXLE PLATE, INSTALL THE OTHER SHORT BODY POST ON THE STUD, AND ADD 3/8 SCREWS IN THE OTHER FOUR CHASSIS SPACERS AND TIGHTEN. SET THE CHASSIS DOWN ON YOUR TABLE TO SEE IF IT SITS FLAT. IF NOT HOLD IT BY BOTH ENDS AND TWIST IT , THEN RECHECK.



STEP 4 INSTALL THE LONGER BODY POSTS WITH 3/8 SCREWS ON EACH SIDE OF THE FRONT AXLE PLATE. YOU CAN ADD THE BODY POST NUTS LATER TO SET THE BODY HEIGHT.

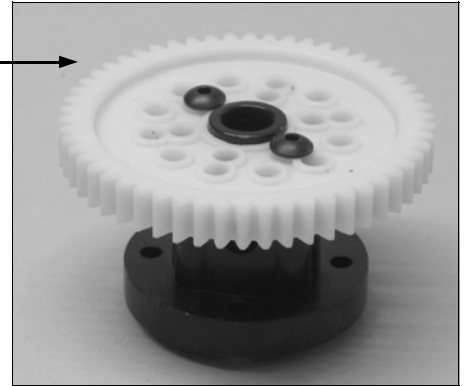


STEP 5 OPEN BAG C . INSTALL A PLAIN NUT (THIN ONE) ON EACH SHORT KINGPIN THEN INSERT THE KINGPIN THRU THE FRONT AXLE PLATE FROM THE BOTTOM AND INSTALL A LOCK NUT AND TIGHTEN. REPEAT FOR THE OTHER SIDE

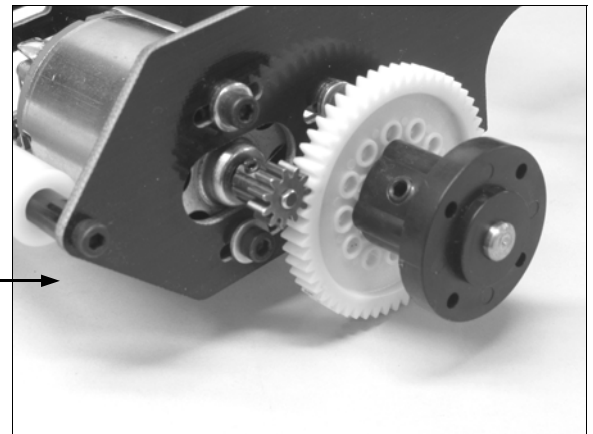


STEP 6 PRESS A STUB AXLE IN EACH STEERING BLOCK, ADD AN E-CLIP AND PRESS IT IN THE REST OF THE WAY. LUBE EACH KINGPIN WITH SILICONE LUBE OR LIGHT OIL , INSTALL THE STEERING BLOCK AND RETAIN WITH AN E-CLIP. INSTALL BOTH WITH THE AXLE OUT AND THE ANGLED PORTION OF THE BLOCK TO THE REAR.

STEP 7 OPEN BAG B2. ATTACH THE SPUR GEAR TO THE HUB WITH TWO 1/4" SCREWS. TIGHTEN LIGHTLY.

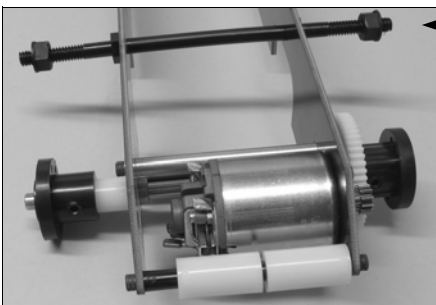
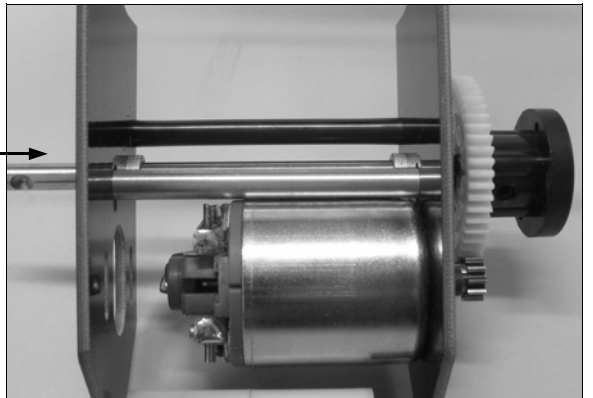


STEP 8 INSTALL THE GEAR AND HUB ONTO THE AXLE WITH TWO SET SCREWS. ONE OF THE SET SCREWS NEEDS TO LINE UP WITH THE DRILLED INDENT IN THE AXLE. LINE IT UP AS SHOWN , THEN SLIDE THE HUB ON AND TIGHTEN THE SETSCREW. IT WILL GO BELOW THE SURFACE OF THE HUB IF THE SETSCREW IS IN THE SLOT. ADD THE OTHER SETSCREW AND TIGHTEN BOTH EVENLY TO AVOID WARPING THE HUB.



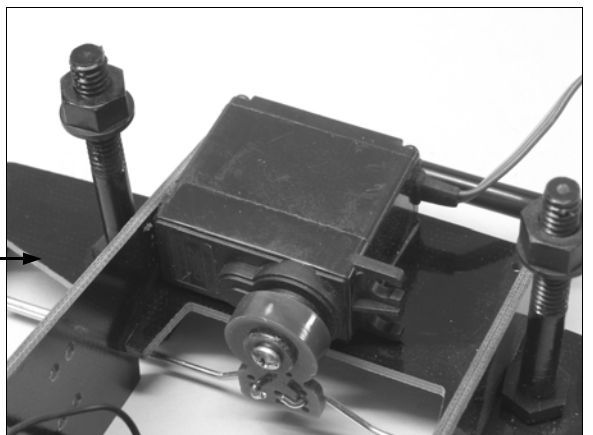
STEP 9 INSTALL THE PINION GEAR FROM BAG B3 ON YOUR MOTOR AND INSTALL THE MOTOR IN THE CHASSIS WITH TWO SCREWS AND WASHERS FROM BAG B3. INSTALL THE 1/4" WIDE AXLE SPACER ON THE AXLE AND SLIDE THE AXLE THRU THE BUSHINGS. THE LONGER 1/2" SPACER WILL BE USED ON THE OTHER SIDE LATER. ADJUST THE MOTOR LOCATION CAREFULLY TO GET THE GEAR MESH VERY CLOSE AND LEAVE A **VERY** SMALL AMOUNT OF PLAY BETWEEN THE GEARS.TURN THE GEAR A FEW TIMES AND RECHECK THE MESH.

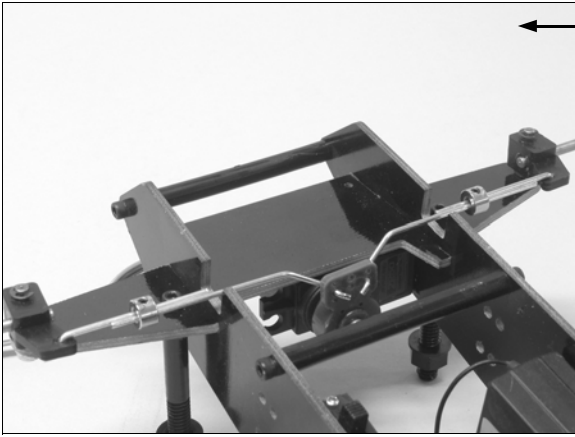
STEP 10 SLIDE THE AXLE OUT, THEN SLIDE THE ALUMINUM SPACER AGAINST THE MOTOR HOUSING AND TIGHTEN BOTH ENDS . SLIDE THE AXLE BACK IN AND RECHECK THE MESH AGAIN. **IT IS VERY IMPORTANT TO KEEP THE MOTOR FROM MOVING TO AVOID STRIPPING THE SPUR GEAR.**



STEP 11 ADD THE 1/2" SPACER AND THE OTHER HUB WITH TWO SETSCREWS. LEAVE A SMALL AMOUNT OF SIDE PLAY IN THE AXLE AND TIGHTEN THE TWO SET-SCREWS CAREFULLY, MAKING SURE ONE IS IN THE INDENT IN THE AXLE LIKE THE OTHER SIDE.

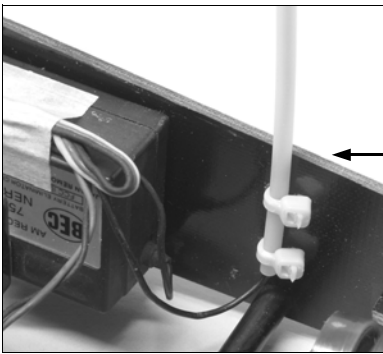
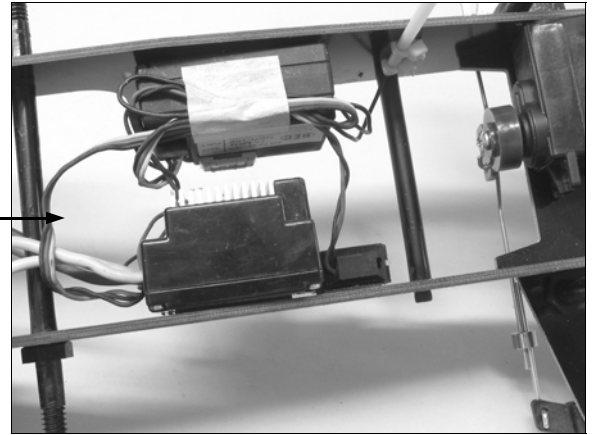
STEP 12 INSTALL YOUR STEERING SERVO ON THE FRONT AXLE PLATE WITH DOUBLE BACK FOAM TAPE PROVIDED. TRY TO GET THE SERVO OUTPUT ARM AS NEAR THE CENTER AS YOU CAN AND LINED UP SO THAT THE LINKAGE WILL GO THRU THE NOTCHES IN THE BOTTOM OF THE CHASSIS.





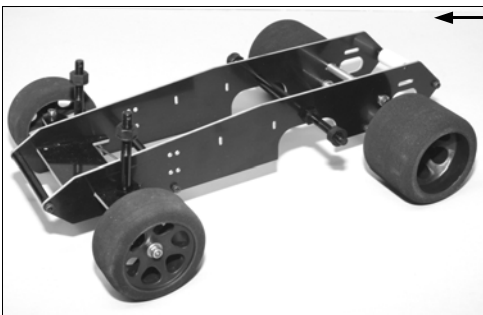
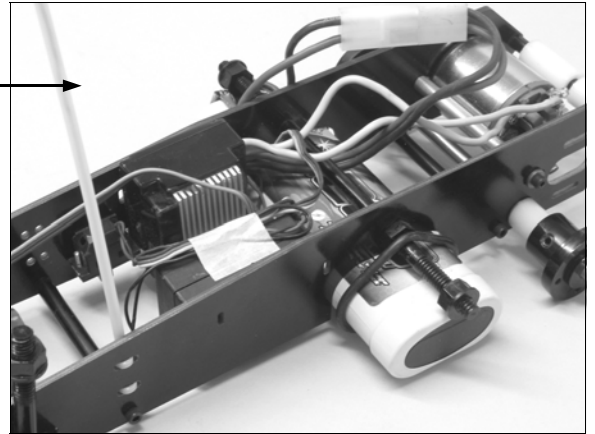
STEP 13 INSTALL THE STEERING LINKAGE FROM BAG B3. INSTALL THE LONG LINKS IN THE SERVO SAVER ( BEND THEM AS SHOWN TO MAKE SURE THEY CLEAR THE CHASSIS AS THE OUTPUT ARM TURNS. INSTALL THE SHORT LINKS IN THE STEERING BLOCKS AND ADD THE 1/8 COLLARS WITH SET-SCREWS TO CONNECT THE LINKS. ALIGN THE FRONT END AND TIGHTEN THE SETSCREWS.

STEP 14 USE SERVO TAPE TO ATTACH YOUR RECEIVER , SPEED CONTROL, AND SWITCH TO THE CHASSIS SIDES JUST IN FRONT OF THE BATTERY CUTOUT IN THE CHASSIS.



STEP 15 ATTACH THE ANTENNA TUBE TO THE SIDE OF THE CHASSIS WITH TWO SMALL TIE STRAPS. RUN THE ANTENNA UP THRU THE TUBE AND TAPE THE TOP OR TIE A KNOT IN THE END OF THE WIRE. PLUG IN ALL OF YOUR WIRES AND TAPE THE EXCESS TO THE RECEIVER OR OTHER PLACE WHERE IT WON'T GET DAMAGED WHEN THE CAR ROLLS OVER.

STEP 16 ATTACH YOUR BATTERY PACK WITH TWO O-RINGS FROM BAG B3 AROUND THE PACK AND THE BODY POSTS . CHARGE YOUR BATTERY, PLUG EVERYTHING IN AND RE-CHECK THE THROTTLE AND STEERING FUNCTIONS. ADJUST AS NECESSARY ACCORDING TO THE RADIO MANUFACTURERS INSTRUCTIONS .



STEP 17 INSTALL THE BUSHINGS FROM BAG B1 IN THE FRONT WHEELS. LUBE THE FRONT AXLES, INSTALL THE TIRES AND RETAIN WITH LOCKNUTS.

ATTACH EACH REAR TIRE WITH TWO 3/8 SCREWS FROM THE REAR AXLE BAG. ALSO LUBE THE REAR BUSHINGS.

STEP 18 PAINT YOUR DIGGER BODY AS YOU CHOOSE AND ALLOW IT TO DRY , THEN TRIM IT OUT ON THE LINES , DRILL THE PREMARKED MOUNT HOLES, AND REMOVE THE PROTECTIVE FILM THAT IS ON THE OUT-SIDE BEFORE ADDING ANY DECALS. WE USUALLY BEND THE ANTENNA TUBE BACK AND LEAVE IT INSIDE THE BODY TO KEEP IT FROM GETTING RIPPED OFF WHEN THE CAR FLIPS.WE SUGGEST ADDING A PIECE OF MASKING TAPE OR DUCT TAPE TO THE INSIDE OF THE BODY AROUND THE MOUNTING HOLES TO REINFORCE THE BODY AND KEEP THE PAINT FROM GETTING RUBBED OFF BY THE BATTERY OR BODY POST NUTS. DRIVE YOUR DIGGER AROUND AT A SLOWER PACE UNTIL YOU GET USED TO THE WAY IT RUNS AND TO MAKE SURE EVERYTHING IS TIGHT. THE NEXT THING YOU NEED TO DO IS GO OUT AND HAVE SOME FUN WITH YOUR DIGGER. BE CAREFUL RUNNING IT WITH OTHER PEOPLE AROUND OR OBJECTS THAT THE CAR MAY DAMAGE. THE DIGGER IS BUILT TO TAKE A LOT OF PUNISHMENT , BUT CAN BE BROKEN IF RUN INTO SOLID OBJECTS REPEATEDLY AT HIGH SPEED. STANDARD 1/10 PAN CAR BALL BEARINGS CAN BE ADD EASILY. (4 EA. 1/8 X 5/16 FLANGED FRONTS AND 2 EA. 1/4 X 3/8 FLANGED REARS)

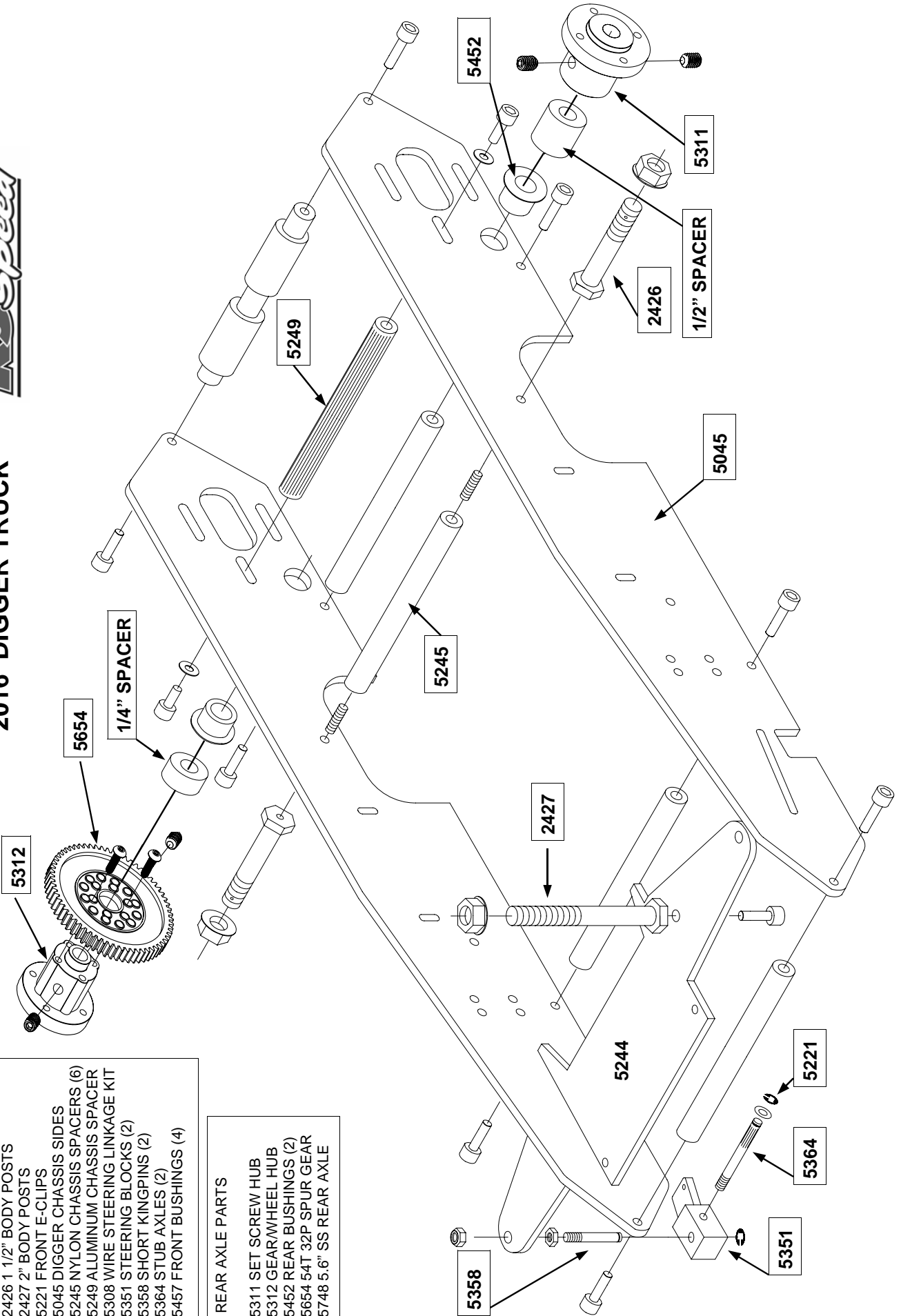
REPLACEMENT PARTS ARE AVAILABLE THRU YOUR LOCAL HOBBY SHOP. IF THEY DON'T HAVE THEM IN STOCK, THEY CAN ORDER THEM FOR YOU. SEE OUR WEBSITE AT [www.rjspeed.com](http://www.rjspeed.com) FOR INFORMATION ON ALL OF OUR PRODUCTS.



**2015 DIGGER CAR  
2016 DIGGER TRUCK**

- 1037 DIGGER CAR BODY
- 1038 DIGGER TRUCK BODY
- 1857 SERVO TAPE
- 2426 1 1/2" BODY POSTS
- 2427 2" BODY POSTS
- 5221 FRONT E-CLIPS
- 5045 DIGGER CHASSIS SIDES
- 5245 NYLON CHASSIS SPACERS (6)
- 5249 ALUMINUM CHASSIS SPACER
- 5308 WIRE STEERING LINKAGE KIT
- 5351 STEERING BLOCKS (2)
- 5358 SHORT KINGPINS (2)
- 5364 STUB AXLES (2)
- 5457 FRONT BUSHINGS (4)

- REAR AXLE PARTS**
- 5311 SET SCREW HUB
  - 5312 GEAR/WHEEL HUB
  - 5452 REAR BUSHINGS (2)
  - 5654 54T 32P SPUR GEAR
  - 5748 5.6" SS REAR AXLE



5312

5654

1/4" SPACER

5249

5245

5452

5311

1/2" SPACER

2426

5045

2427

5244

5221

5364

5351

5358