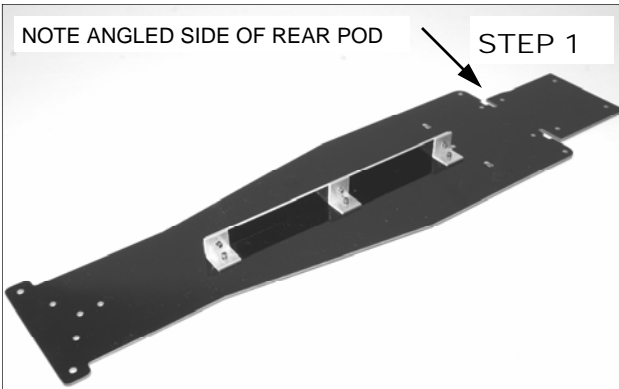




RJS2002 FUNNY CAR KIT LESS ELECTRICS

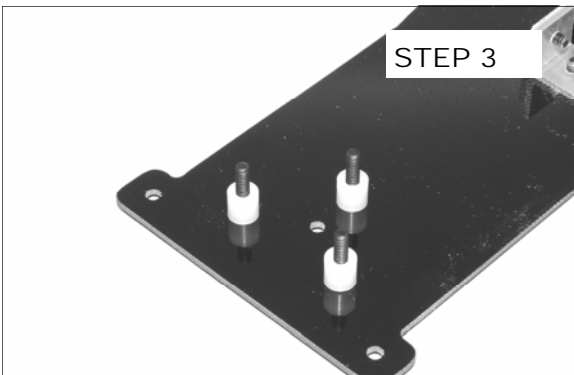
THANKS FOR BUYING RJ SPEED'S FUNNY CAR DRAG KIT. IT IS MADE FOR STRAIGHT LINE DRAG RACING AND CAN BE BROKEN IF RUN INTO SOLID OBJECTS REPEATEDLY AT HIGH SPEED. IT REQUIRES A MOTOR, BATTERY PACK, AND A TWO CHANNEL RADIO CONTROL UNIT WITH TWO SERVOS OR ONE SERVO AND AN ESC. A STANDARD SIZE OR MINI SERVO IS GOOD FOR THE STEERING, AND A MINI SERVO IS BEST TO MOUNT IN THE SWITCH PLATE IF YOU ARE GOING TO USE A MICRO SWITCH INSTEAD OF AN ESC. YOU WILL NEED A SMALL PAIR OF PLIERS, AND A 1/4" WRENCH OR NUTDRIVER. HEX WRENCHES TO FIT THE SOCKET HEAD SCREWS ARE INCLUDED IN THE KIT. YOU WILL ALSO NEED PAINT FOR THE LEXAN BODY AND WING. READ EACH STEP THROUGH, REFER TO THE PICTURE OR DRAWING AND THEN DO THE ASSEMBLY.



STEP 1 OPEN BAG F1 CHASSIS. INSTALL THREE ANGLE BRACKETS TO THE CHASSIS WITH 1/4" SCREWS. ATTACH THE CHASSIS BRACE TO THE BRACKETS WITH THREE 1/4" SCREWS. TIGHTEN ALL SIX.

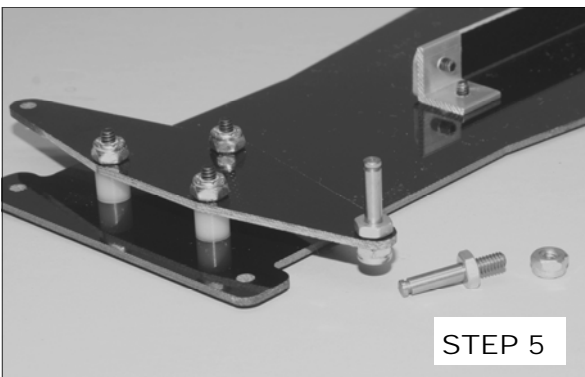
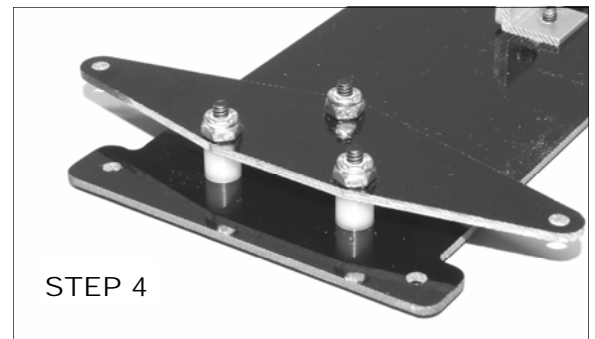


STEP 2 INSTALL THE REAR BODY MOUNT AT THE REAR OF THE CHASSIS WITH TWO 1/4" SCREWS AND NUTS.

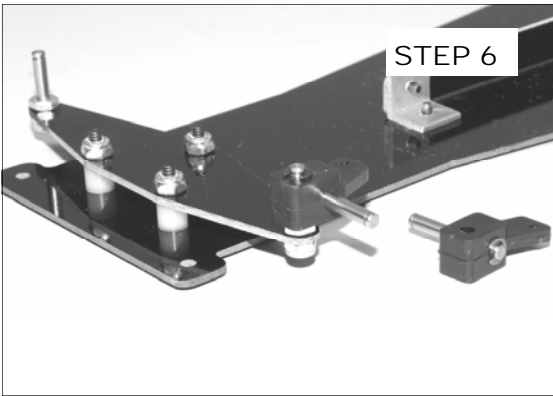


STEP 3 OPEN BAG F2 . INSTALL THREE 5/8" SCREWS IN THE FRONT OF THE CHASSIS AND ADD A 1/4" SPACER ON EACH. IF YOU ARE GOING TO RUN ON A ROUGH SURFACE CUT DOWN THE SPACERS TO INCREASE THE GROUND CLEARANCE.

STEP 4 ADD THE FRONT AXLE PLATE AND A 1/4" LOCKNUT ON EACH SCREW AND TIGHTEN.

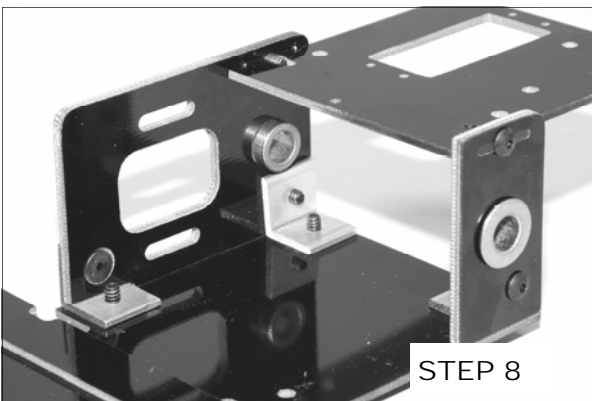
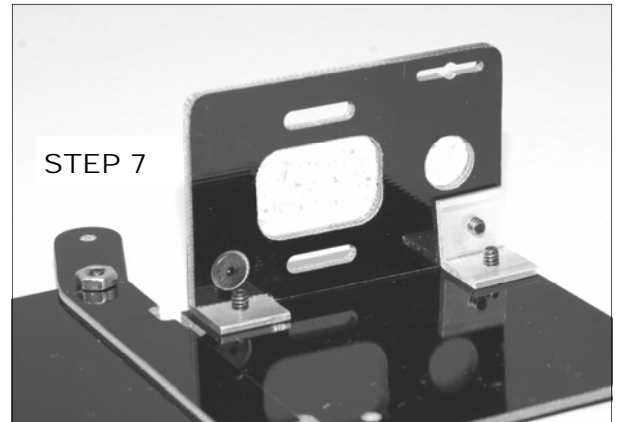


STEP 5 INSTALL A 5-40 JAM NUT (THIN ONE) ON EACH KINGPIN THEN INSTALL THE KINGPIN IN THE FRONT AXLE PLATE AND ADD A 5-40 LOCKNUT AND TIGHTEN . HOLD THE KINGPIN WITH A SMOOTH PAIR OF PLIERS.

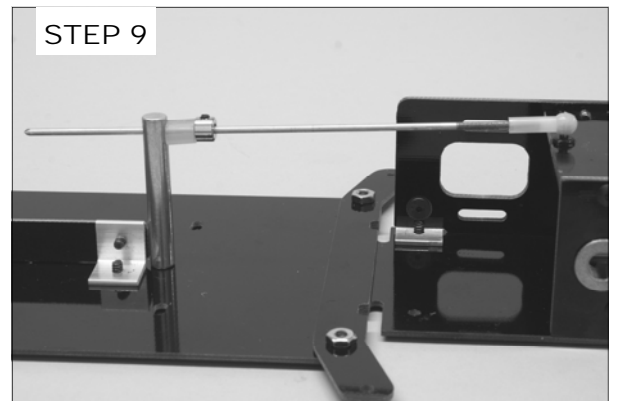


STEP 6 INSTALL AN E-CLIP ON ONE END OF EACH AXLE AND INSERT INTO THE STEERING BLOCK AS SHOWN. LUBE EACH KINGPIN WITH A SMALL AMOUNT OF SILICONE OR LIGHT OIL AND INSTALL THE STEERING BLOCKS WITH THE ANGLED PORTION TO THE REAR AND INSIDE. RETAIN WITH AN E-CLIP.

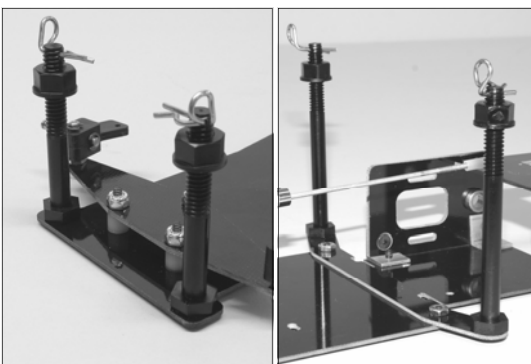
STEP 7 OPEN BAG D3, REAR END . INSTALL TWO ANGLE BRACKETS ON THE CHASSIS AND ATTACH THE MOTOR PLATE TO THEM. USE A 1/4" FLAT HEAD SCREW IN THE FRONT AND A 1/4" BUTTON HEAD SCREW IN THE REAR.



STEP 8 PRESS THE TAB ON THE SWITCH PLATE INTO THE SLOT AT THE TOP OF THE MOTOR PLATE. SLIDE THE AXLE MOUNT ON THE OTHER TAB ON THE SWITCH PLATE. ATTACH THE AXLE PLATE TO THE CHASSIS WITH AN ANGLE BRACKET AND TWO 1/4" SCREWS. INSTALL 1/4" SCREWS IN THE SLOTS IN THE MOTOR AND AXLE PLATE TO ATTACH THEM TO THE SWITCH PLATE.



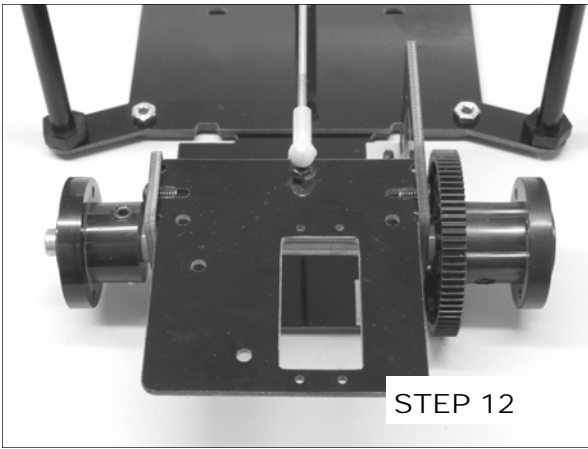
STEP 9 OPEN BAG 6. ATTACH THE SUPPORT POST TO THE CHASSIS WITH A 3/8" LONG SCREW. THREAD THE BALL STUD INTO THE FRONT OF THE SWITCH PLATE. SCREW THE PLASTIC BALL CUP ONTO THE THREADED END OF THE PULL ROD FROM BAG 1. SLIDE THE SET COLLAR THEN THE SILICONE TUBE ON THE ROD , INSERT THE ROD THRU THE TOP OF THE POST, AND SNAP THE CUP ON THE BALL STUD. INSTALL THE SET SCREW IN THE COLLAR , SLIDE THE COLLAR AND SILICONE TUBE AGAINST THE POST AND TIGHTEN . ADJUSTING THE AMOUNT OF PRESSURE ON THE POST ADJUSTS THE AMOUNT OF CHASSIS FLEX AND TRACTION.



STEP 11 OPEN BAG 4. ATTACH THE GEAR TO THE HUB WITH TWO 3/8" LONG SCREWS. DO NOT OVERTIGHTEN!

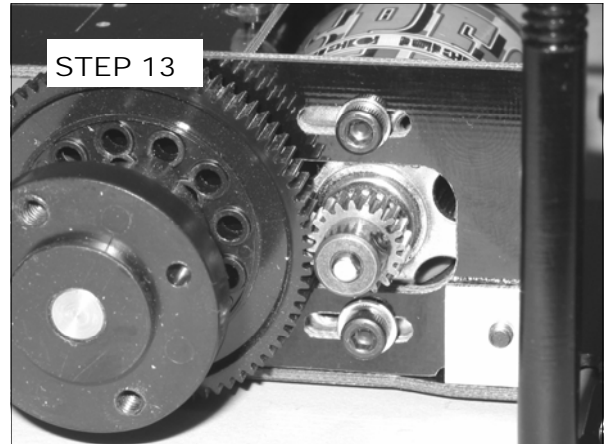
STEP 10 INSTALL THE SHORT POSTS IN THE FRONT AND THE LONGER POSTS ON THE REAR BODY MOUNT WITH 3/8" LONG SCREWS. ADD THE ADJUSTER NUTS AND CLIPS





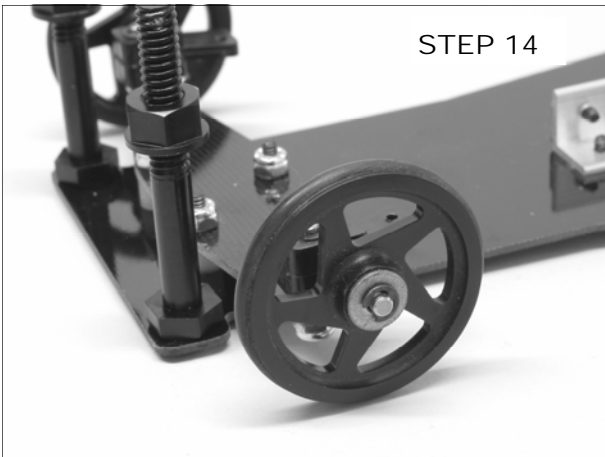
STEP 12

STEP 12 SLIDE THE HUB/GEAR ON THE AXLE AND RETAIN WITH TWO 10-32 SET SCREWS. TIGHTEN EACH CAREFULLY. PLASTIC CAN BE STRIPPED IF OVERTIGHTENED. FILING A FLAT SPOT ON THE AXLE FOR EACH SET SCREW WOULD MAKE IT MORE SECURE. INSTALL A NYLON AXLE SPACER ON THE AXLE AND SLIDE IT THRU THE BUSHINGS. ADD TWO AXLE SPACERS ON THE END AND ADD THE OTHER HUB. TIGHTEN EACH SET SCREW A LITTLE AT A TIME. OVERTIGHTENING ONE WILL WARP THE HUB.



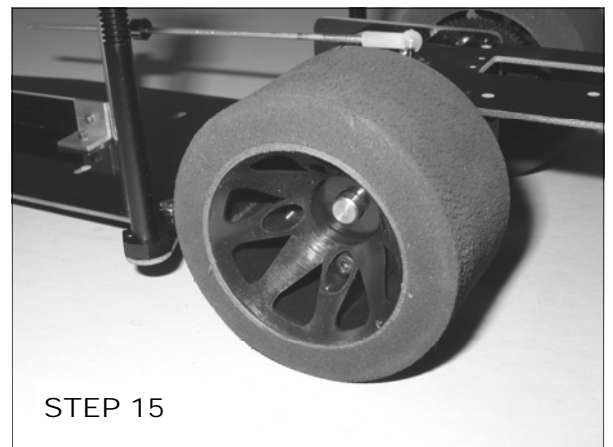
STEP 13

STEP 13 OPEN BAG 9 INSTALL THE PINION GEAR ON THE MOTOR YOU HAVE CHOSEN. INSTALL THE MOTOR WITH TWO 3MM SCREWS AND WASHERS. MAKE SURE THE PINION IS LINED UP WITH THE AXLE GEAR. ADJUST THE MOTOR SO THERE IS A SMALL AMOUNT OF PLAY BETWEEN THE GEARS, AND TIGHTEN THE SCREWS. TURN THE AXLE A COUPLE OF TIMES AND RECHECK THE GEAR MESH.



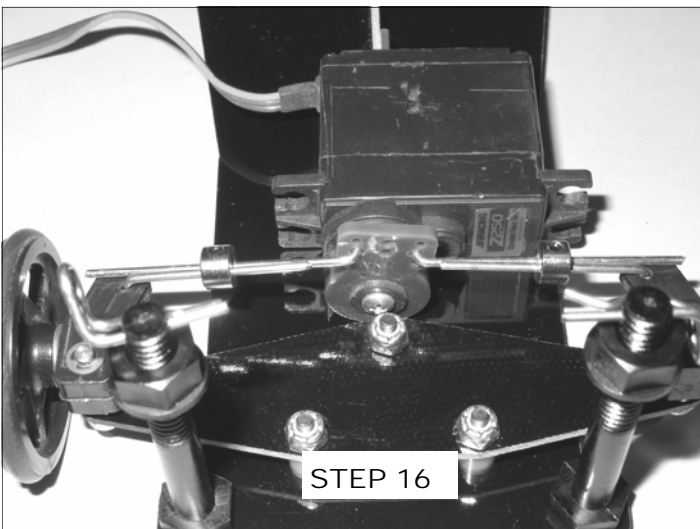
STEP 14

STEP 14 OPEN BAG 7. INSTALL A BUSHING IN EACH SIDE OF EACH FRONT WHEEL. PUT A SMALL AMOUNT OF LUBE ON EACH FRONT AXLE, INSTALL THE WHEELS AND RETAIN WITH E-CLIPS.



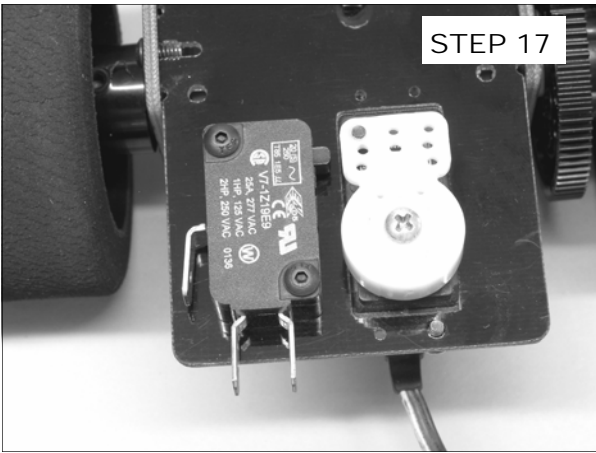
STEP 15

STEP 15 INSTALL EACH REAR WHEEL WITH TWO 3/8 CAP SCREWS FROM BAG 4.



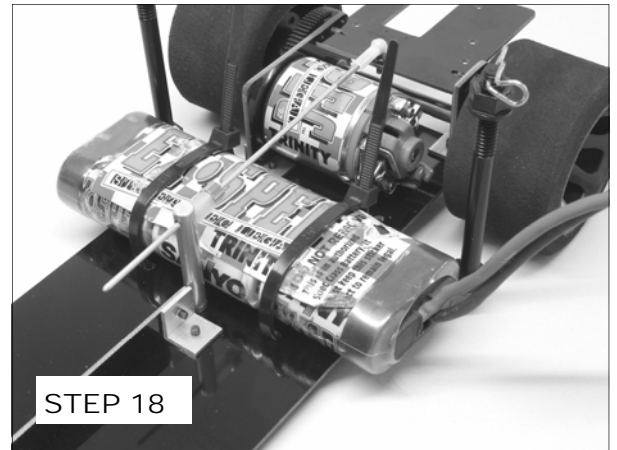
STEP 16

STEP 16 ATTACH YOUR STEERING SERVO TO THE CHASSIS WITH SERVO TAPE, POSTS, OR SCREWS IF YOUR SERVO HAS SIDE MOUNTS. INSTALL PREBENT LINKS AND ATTACH TOGETHER WITH 1/8 COLLARS AND SET SCREWS. TRIM THE LENGTH OF THE LINKS AS NECESSARY. ADJUST THE STEERING WITH THE SERVO SAVER STRAIGHT UP AND THE WHEELS ALIGNED.

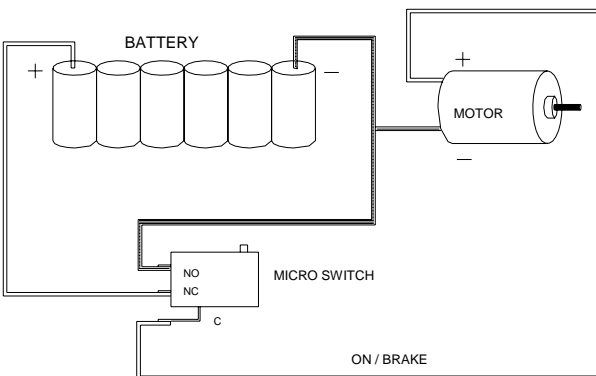


STEP 17 THIS STEP SHOWS HOW TO MOUNT A SMALL SERVO AND MICRO SWITCH ON THE SWITCH PLATE. YOU MAY NEED A SERVO WIRE EXTENSION IF YOURS WON'T REACH THE AREA IN FRONT OF THE PULL ROD POST WHERE YOU WILL MOUNT YOUR RECEIVER. IF YOU CHOOSE TO USE AN ESC, YOU CAN MOUNT IT ON THE SWITCH PLATE OR ON THE CHASSIS NEAR THE RCVR. THE MICRO SWITCH SHOWN IS A MICRO SWITCH BRAND 25 AMP, AVAILABLE AT MOST ELECTRONICS STORES.

STEP 18 INSTALL YOUR BATTERY PACK AT THE REAR OF THE CHASSIS WITH TIE STRAPS FROM BAG 1. INSTRUCTIONS FOR WIRING A CAR WITH A MICRO SWITCH ARE INCLUDED. OTHERWISE WIRE YOUR RADIO AND ESC ACCORDING TO THE MFR.'S INSTRUCTIONS



WIRING FOR MICRO SWITCH SPEED CONTROL



STEP 19 TRIM OUT YOUR BODY , SET IT OVER THE CHASSIS, AND MARK THE MOUNT AND WHEEL WELL LOCATIONS. PAINT THE BODY AND WING,DRILL THE MOUNT HOLES AND CUT OUT THE WHEEL WELLS. PEEL THE FILM AND MOUNT THE WING ON THE REAR WITH FOAM TAPE OR SMALL SCREWS. USING SCREWS GIVES YOU THE OPPORTUNITY TO MOVE THE WING IF YOU WISH. CHARGE YOUR BATTERY, CHECK YOUR RADIO SETTINGS AND ADJUSTMENTS , THEN GO OUT AND HAVE SOME FUN! PARTS AND ACCESSORIES ARE AVAILABLE THRU YOUR LOCAL HOBBY SHOP.

