

CHECKPOINT RACING INC.
TEAM CHECKPOINT



(714) 645-8043

OPERATING INSTRUCTIONS FOR THE PLATINUM MOTORS WHEN USED IN OFF ROAD

THANK YOU FOR PURCHASING THIS CHECKPOINT MOTOR, IT IS THE ONLY MOTOR IN THE WORLD DESIGNED AND MANUFACTURED IN THE UNITED STATES STRICTLY FOR RADIO CONTROLLED RACING CARS. THAT'S RIGHT! ALL OTHER ASSEMBLERS USE JAPANESE MOTORS. THE CHECKPOINT PLATINUM MOTOR WAS DESIGNED BY JIM GREENEMEYER OF CHECKPOINT OUT OF THE HIGHEST QUALITY MATERIALS. WE BUILD MOTORS-NOT JUST ASSEMBLE THEM!

THERE ARE SOME THINGS ABOUT THE MOTOR THAT ARE UNIQUE AND THESE INSTRUCTIONS SHOULD BE READ OVER CAREFULLY.

1. THE MOUNTING HOLES ARE AMERICAN 4-40!!! NOT METRIC! THESE SCREWS ARE AVAILABLE FROM ANY HARDWARE STORE. IF YOU ARE NOT SURE IF YOU HAVE THE RIGHT SIZE CHECK WITH THE SHOP YOU BOUGHT THIS MOTOR FROM. THE METRIC SCREWS WILL NOT START IN THE HOLES. ALSO, BE SURE AND CHECK CAREFULLY THAT THE SCREWS ARE NOT TOO LONG. ONES TOO LONG COULD LOCK UP THE ARMATURE AND ALTHOUGH THE MOTOR PROBABLY WOULDN'T SUFFER ANY DAMAGE, YOUR SPEED CONTROL OR YOUR BATTERIES COULD BE HURT SEVERELY. ALTHOUGH THE MOUNTING PART OF THE MOTOR IS MADE FROM ALUMINUM, BE ASSURED THAT IT IS VERY DIFFICULT TO STRIP THE MOUNTING HOLE THREADS. ONLY AIRCRAFT GRADE ALUMINUM IS USED IN THIS MOTOR PLUS THE THREADS ARE ROLL TAPPED INSTEAD OF CUT SO HIGH STRENGTH IS ASSURED.
2. THE MAGNETS USED IN THIS MOTOR ARE THE STRONGEST CERAMIC GRADE AVAILABLE. THEY ARE 30% STRONGER THAN COMMONLY USED IN JAPANESE MOTORS. THIS ACCOUNTS FOR THE STRONG "COG" OR "NOTCH" EFFECT WHEN TURNED OVER BY HAND.
3. THE CHECKPOINT PLATINUM SERIES MOTOR IS SO EFFICIENT THAT WE FEEL A CAPACITOR IS NOT NEEDED. IT MAY BE NECESSARY FOR SOME LAP COUNTING SYSTEMS.
4. USE OIL VERY SPARINGLY. A SMALL DROP ON EACH END OF THE MOTOR ABOUT EVERY THIRD OR FOURTH RUN SHOULD BE SUFFICIENT. WE ALSO RECOMMEND THE USE OF AN ELECTRICAL CONTACT CLEANER, PREFERABLY CHECKPOINT MOTOR BLAST, TO CLEAN AWAY CARBON BUILD-UP AND DIRT. USE ONLY A TRICLORETHANE BASED, NON-RESIDUE SPRAY. WE DO NOT RECOMMEND A FREON BASED CLEANER AS THEY CAN CAUSE INTERNAL DAMAGE AS WELL AS NOT BEING ABLE TO CLEAN VERY WELL.
5. IF, AFTER MANY HOURS OF RUNNING, THE MOTOR BEGINS TO SLOW DOWN IT IS PROBABLY READY FOR A REBUILD. IT CAN BE SENT BACK TO US WITH \$20.00 PLUS \$4.00 FOR RETURN POSTAGE AND IT WILL BE AS GOOD AS NEW. THIS IS ONE ADVANTAGE OF THE CHECKPOINT MODULAR DESIGN. THIS SERVICE INCLUDES RETRUIING THE COMMUTATOR, NEW BRUSHES, MAGNET ZAP, REBALANCING OF THE ARMATURE, AND A THOROUGH CLEANING. TURN AROUND TIME IS APPROXIMATELY ONE WEEK. SEND IT TO US BY UPS-NOT THE POST OFFICE.
- 6.. USE CAUTION!!!! ALL PLATINUM MOTORS HAVE AN ALUMINUM ENDBELL AND IT IS ELECTICALLY CONDUCTIVE. WHEN SOLDERING THE LEADWIRES ON, BE CAREFULL SO THAT NO BARE WIRE OR SOLDER TOUCH THE ENDBELL OR A DIRECT SHORT WILL OCCUR THAT COULD SEVERLY DAMAGE YOUR SPEED CONTROL OR EVEN CAUSE A FIRE!

(OVER)



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