ITEM 53485

SUPER MODIFIED MOTOR 11T

TAMIYA

SUPER MODIFIED MOTOR (11T)

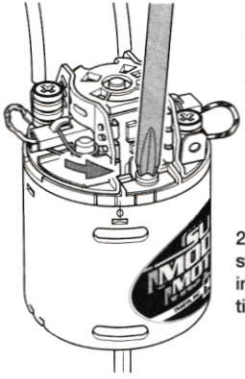
Super modified motor is a race oriented high power motor. This motor is equipped with an 11-turn rotor that generates high RPM. Two ball bearings are used on the end bell and motor can for increased efficiency. Timing adjustment and disassemble for cleaning are possible.

ROTATION DIRECTION

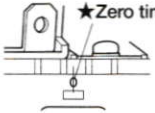
Make sure the rotation direction of the motor is correct. The rotation direction of the motor is counter-clockwise when viewed from the pinion gear end. Running the motor in the opposite direction will result in reduced performance.

TIMING ADJUSTMENT

In timing the motor, you will alter the angular relationship of the brushes to the stationary magnets. This is done by moving the end bell in the opposite direction of rotation. Use the graduations on the motor case for settings. Increasing the number of graduations will provide more power but greater battery consumption. A lesser number of degrees will provide longer running time, but also less power. Time the motor according to the track, gear ratio, tire size, etc.



★Loosen end bell screws and adjust timing by moving end bell in the direction of the arrow.



2 degrees is a good starting position for racing. (Battery consumption: approx. 10A)

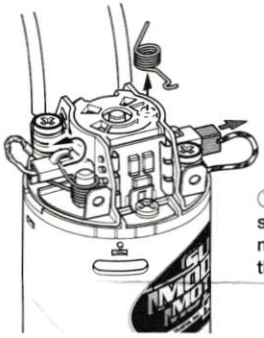
GEAR RATIO

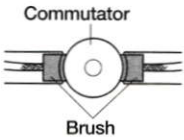
7～8 : 1

REPLACING BRUSHES

If the brushes are worn as shown, replace them.

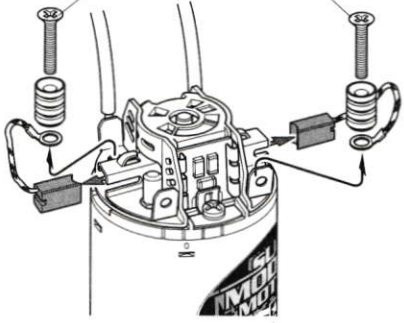
★Check brushes after use of 5-10 full battery packs.





① Remove brush springs. Then remove brushes from the end bell.

② Loosen screws and remove brushes as shown.



★Reverse the procedure for installation.

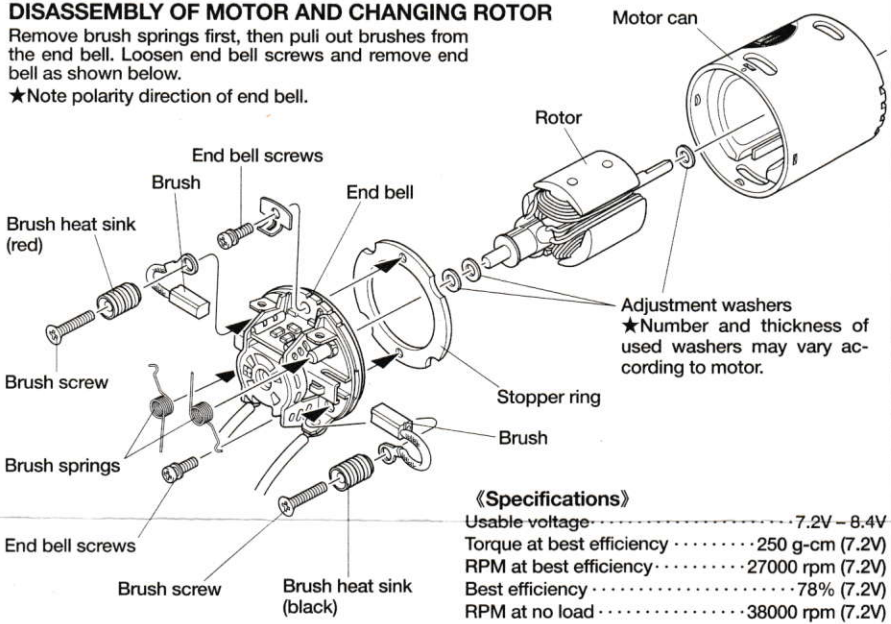
●When replacing brushes, make sure to inspect the commutator as well. Change the rotor to a new one if the commutator is badly burnt, scoured, or grooved.

●The motor should be warmed-up after installing new brushes.

DISASSEMBLY OF MOTOR AND CHANGING ROTOR

Remove brush springs first, then puli out brushes from the end bell. Loosen end bell screws and remove end bell as shown below.

★Note polarity direction of end bell.



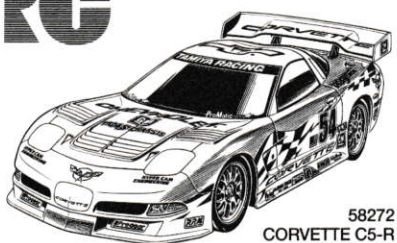
《Specifications》

Usable voltage	7.2V – 8.4V
Torque at best efficiency	250 g-cm (7.2V)
RPM at best efficiency	27000 rpm (7.2V)
Best efficiency	78% (7.2V)
RPM at no load	38000 rpm (7.2V)

CAUTIONS WITH RUNNING THE MOTOR

- Use only high capacity electric speed controller. Tamiya CPR unit cannot be used.
- Make sure to replace plastic bearings with ball bearings. Plastic bearings cannot endure motor rotation.
- Continuous running will damage the motor. Let the motor cool after each full battery run.
- Never overload the motor. Make sure that all the gears and rotating parts move smoothly to prevent motor burn out.
- Never cover the motor. Covering will hinder heat dissipation resulting in damage.
- If motor gets damaged or over-heats, performance will deteriorate.
- Periodically disassemble, clean and maintain motor after running it.
- Use only genuine Tamiya spare parts.

RC



58272
CORVETTE C5-R
(1/10 RC)

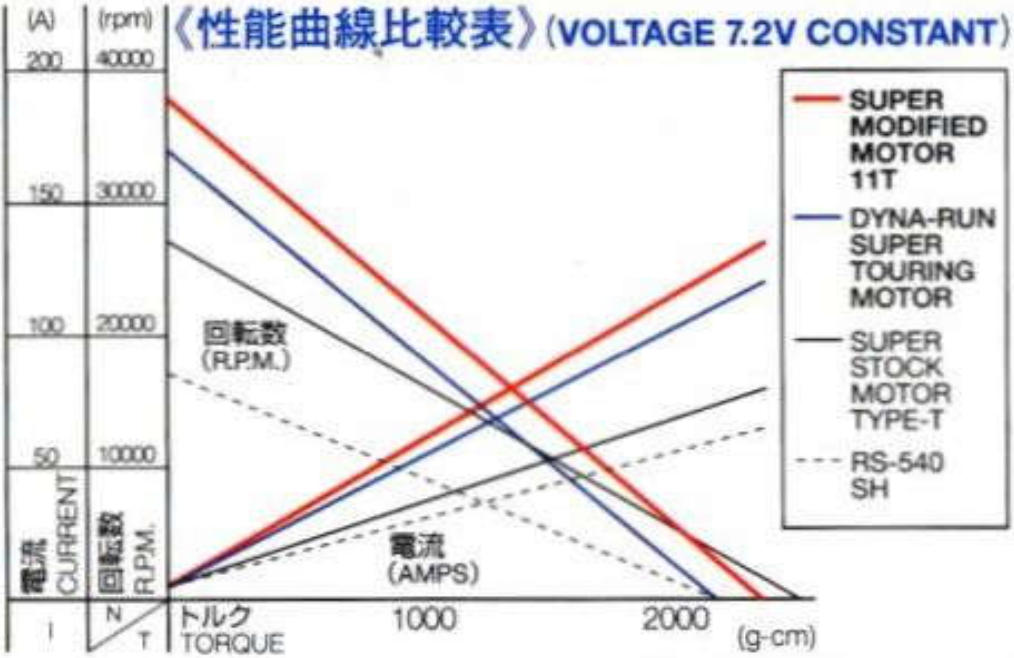
TAMIYA
TAMIYA, INC.
3-7, ONDAWARA, SHIZUOKA-CITY, JAPAN.

53485 OP.485 SUPER MODIFIED MOTOR (1050080)

SUPER MODIFIED MOTOR 11T

スーパー モディファイド モーター(11T)

ホップアップオプションズ OP.485



ピニオンスパー / 車種(シャーシ名)	ピニオンギヤ	スパーギヤ
TL-01シャーシ	19T(SP.355)	キット標準
TA03シャーシ	16T(SP.354)	キット標準(06モジュール)
	23T(OP.102)	キット標準(04モジュール)
TA04シャーシ	39T(OP.407)	128T(SP.873 04モジュール)
	24T(SP.477)	83T(SP.893 06モジュール)
TB-01シャーシ	20T(SP.356)	58T(SP.860 06モジュール)
TB-EVO/EVOⅡシャーシ	20T(SP.356)	58T(SP.860 06モジュール)

- ●チップ型コンデンサー装備
- ●進角調整可能
- ●ローター交換可能な分解可能構造
- ●ブラシ交換可能

- ●CHIP TYPE CONDENSER
- ●ADJUSTABLE TIMING
- ●CAN BE DISASSEMBLED
- ●BRUSHES CAN BE REPLACED

紙 箱

プラ 透明シート袋

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〈SUPER MODIFIED MOTOR 11T〉

★This is a high performance motor designed for use with electric R/C touring cars. ★Equipped with 11 turn rotor, ball bearings, brush dampers and heat sink. ★Motor case with high power magnet efficiently dissipates motor heat ★Timing adjustment, disassembly and maintenance can be done.
〈**Note**〉 Use with large capacity amplifier suitable for 11 turn motor. Tamiya C.P.R. Unit cannot be used. Fully equip the car with ball bearings.

WARNING: This product CONTAINS CHEMICALS which are known to the State of California to cause cancer, birth defects, or other reproductive harm.

TAMIYA

TAMIYA, INC.
3-ZONDAWARA,SHIZUOKA-CITY,JAPAN.