



## MOTOR CARE

You have chosen the *LRP Fusion Phase-4*, a competition motor with maximum power output. Please read these information carefully to secure your motor performs well.

**Usage:** Always be patient that your cars drivetrain runs free and doesn't stuck. Never overgear your *Fusion Phase-4* motor, a wrong gear-ratoin causes excessive motor wear. Take your kits instruction manual to find the correct pinion. These recommendations are a good starting point but may vary due to different tracks, models and batteries:

	8-turns	9-turns	10-turns	11-turns	12-turns
Touring Car	9.6 : 1	9.0 : 1	8.5 : 1	7.8 : 1	7.0 : 1
Off Road	--	12.5 : 1	12.0 : 1	11.0 : 1	10.4 : 1

Always let the motor cool down after usage, never run several battery packs in a row!

**Tuning:** LRP offers many accessories under the *Blue Factor* Label to obtain maximum performance with your *Fusion Phase-4* or every other motor.

Racer	Nr.	Type	Runs	Power
Street	65901	Motor-Brushes Sagami-2 "L", Longlife	30 - 50	00
Hobby	65921	Motor-Brushes Allround, Hard	15 - 30	000
Sport	65941	Motor-Brushes Hyper-T7, Medium	5 - 10	0000
Professional	65961	Motor-Brushes Xmax-T7, Soft	3 - 5	00000
	61301	Motor-Springs Hard (Red)	--	0000
	61302	Motor-Springs Extra-Hard (Purple)	--	00000

Harder motor-springs increase power but will create higher wear! The recommended range for the timing is 4 to 7; in general, higher timing will give higher RPM and power but the downside is shorter runtime and higher wear.

**Maintenance:** All *Fusion Phase-4* motors come with long lasting 65921-brushes and hard 61301-springs. We recommend to check you motor every 10<sup>th</sup> run for excessive wear. Remove the motor from your car, pull out the springs and brushes and clean the commutator and brushes with a cotton stick and *LRP Xtra Cleaner* (#6512). Also check the length (min. 5.0mm) and color of the brushes, replace brushes which look silver or are too short.

We recommend you true to commutator when replacing the brushes to obtain best performance, latest you should cut the commutator after 30-50 runs. Ask your local hobby shop if you don't have a commutator-lathe or send your motor to your countries LRP-distributor for maintenance.

Have fun with you *LRP Fusion Phase-4* motor, your LRP-Team.

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