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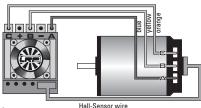




INSTALLATION & CONNECTIONS

HALL-SENSOR WIRE: This bi-directional multipole wire, which is supplied with all LRP sensored brushless speed-controls, connects the speedo and the motor. Do not alter or modify this cable! Make sure, that the plugs have a proper and tight fit and are always clean.

POWER WIRES: The unique splitted solder-tabs allow easy and convenient replacement of the power wires. Nevertheless some soldering skills are requised talk in your facility to the first of the soldering skills are requised talk in your facility by the first of the soldering skills are requised to the soldering soldering for the soldering soldering the soldering so



Finally check all the connections before using the motor.

PRECISENSOR™ SYSTEM

To alter the timing, proceed as following:

- 1. Loosen the center endcover screw and remove screw and plastic endcover.
- 2. change to desired timing insert and rotate sensor assembly slightly.
- re-attach endcover and tighten M2 screw carefully (do not overtighten this screw!

	,	100
Finish	e	d!

Insert Marking	Sensor Timing	Comment
0000	X-10°	
000	X-5°	
00	Х	Standard insert, factory recommendation
0	X+5°	
-	X+10°	



REPAIR PROCEDURES / LIMITED WARRANTY

Dear Customer,

thank you for your trust in this LRP product. By purchasing a *LRP VECTOR X12 StockSpec* brushless motor, you have chosen the highest developed competition brushless motor. LRPs R&D team took all the experience and testing results from the last 4 years of practical tests and racing with the LRP brushless motors on the highest levels of competition. IFMAR World Champion Technology!

Please read the following instructions carefully before you start using your motor. This user guide contains important nu for the installation, the safety, the use and the maintenance of this product. Thus protecting yourself and avoid damage the product.

Proceed according to the user guide in order to understand your motor better. Please take your time as you will have more joy with your product if you know it exactly.

This user manual shall be kept in a safe place. If another customer is using this product, this manual has to be handed o

TECHNICAL DATA

GEARING

USAGE	Volts	21.5T	17.5T	13.5T	10.5T	9.5T
Touring Car	7.4	3.5 : 1	4.0 : 1	6.0 : 1	6.5 : 1	7.0 : 1
	6.0				5.5 : 1	6.0 : 1
1:12	4.8	68mm	68mm	53mm	44mm	40mm
2wd + 4wd Off-Road	7.4	5.5 : 1	6.0 : 1	7.0 : 1	8.0:1	9.0 : 1
Truck Off-Road	7.4	6.5 : 1	7.0 : 1	8.0 : 1	9.0 : 1	10.0 : 1

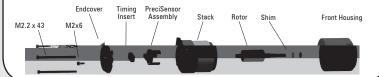
DISASSEMBLY

Due to the maintenance free design of the Vector X12 StockSpec, it is not necessary to open the motor frequently under normal conditions. It is just recommended to check that all screws are still securely fastened. Nevertheless it is recommended that you frequently maintain (clean, check, oil, replace if needed!) the ball bearings in order to achieve best performance. Of course you can also disassemble the motor entirely if you wish to do so.

Disassemble the motor:

- Loosen the center endcover screw and remove screw, plastic endcover and timing insert. indipalison assignment complaint to, FMARTERIA ROARTERICA JUNIO AJBRCA/UNIO Fules 530(ਜ¹) 1959/1959(1959) 1979 (1964) 1986/1959 (1974) 1976/1959(1974) 1976/1959(1974) 1976/1959(1974) 1976/1959(1974) 3. Loosen and remove the long/outer 3 screws and gently slide off the front aluminium housing.
 - 4. Remove the o-ring and shim from the shaft.
 - 5. Carefully pull the rotor out of the housing and place it in clean towel or designated rotor container
 - You have now access to both ball bearings for cleaning, maintenance and replacement. You may also use compressed air to clean the inside of the motor after you have removed the bearings.

Be careful with correct shim/o-ring position during re-assembly and avoid overtightening the screws!



SPARE- AND OPTIONAL PARTS

X12 StockSpec 694ZZ ABEC5 Ball Bearings (2pcs)

X12 StockSpec Sintered Rotor
X12 Small Parts Set (includes: screws, endcover, timing inserts, shims, o-ring) #50623 X12 PreciSensor Assembly (complete replacement sensor assembly, ready to use)

Optional par

X12 Modified Tuning Rotor Sintered - 12.0mm #50632 #50634 #50625

X12 Modified Tuning Rotor Sintered - 12.0mm
X12 Modified Tuning Rotor Sintered - 12.5mm
X12 Modified Tuning Rotor Sintered - 13.0mm
X12 Modified Lightweight Aluminium Front Housing
X12 Aluminium Endcover with cooling fins
Sensor-Wire "HighFlex" 70mm
Sensor-Wire "HighFlex" 100mm
Sensor-Wire "HighFlex" 150mm
Sensor-Wire "HighFlex" 200mm
Power-Wire Set Brushless 2.6mm² (red, black, blue, orange, yellow)
Power-Wire Set Brushless 3.3mm² (red, black, blue, orange, yellow)
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Power-Wire Set Brushless 3.3mm² (red, black, blue, orange, yellow) #50625 #50626 #819307 #819310 #819315 #819320 #82505 #82506 #82510 #65790