

## Brushless 'Spec.' Motors (21.5 Turn). 2017 v3

23.01.17

|                  | E  | EUROPEAN FEDERATION RAI            | DIO CONTROLLED AUTOMOBILES  |                      |  |
|------------------|--|------------------------------------|---|----------------------|--|
|                  | Samples of Motors included on this list have been checked for compliance to EFRA 2017 Rules:<br>For Brushless 'Spec.' 21.5T Motors.<br>Starting 01.06.16, only Motors included on this list, can be used at EFRA Sanctioned events (EC or GP), for:<br>The Motor Class designated for the event. |                                    |   |                      |  |
|                  |  | to ensure that the versions they u | FRA 2017 rules for 'Spec' Brushless Motors, it is the resp<br>use also comply with all EFRA rules and requirements.<br>rom Brushless 'Modified' Motors.   | onsibility of        |  |
| Motor<br>Builder | Type/<br>Range   | Illustration only                  | Notes   | Approval<br>Date     |  |
|                  |  |                                    | 2.2 (9) which requires access to the stator to allow measure equires the Rotor to be marked with Name or Logo & Part #.   |                      |  |
| Fantom           | Fantom<br>FR-1 v2<br>Pt. #<br>FAN19475S  |                                    | Sensored system. "Y" Wind. Stator glued in sleeve. Sleeve with<br>wind etched. Adjustable timing +20/+60 deg. Has stator access<br>but hysol on ends. Wind etched on stator. Rotor with name, Part<br># - FAN19591.<br>Option Rotor: FAN19590.  | 23.01.17             |  |
| Orion            | Vortex<br>Ultimate Stock<br>XLW<br>(2016)<br># ORI28375  |                                    | Sensored system. "Y" Wind. Small dia.<br>Black sleeve with removable Alu. End-Plates, all retained with<br>long screws. Adjustable timing 0/+40. Wind etched. Two<br>sensor plug. Rotor has name & part # ORI 41553.  | 23.01.17             |  |
| Maclan           | MRR<br>Part #<br>MCL1017   |                                    | Sensored system. "Y" Wind. Black Can & End-Cap with copper<br>timing plate & logo. Nickel rotor with one red Alu. bal. ring.<br>Adjustable timing +20/+ 60 deg. Stator removes easily. Rotor<br>Part # MCL4075.<br>Optional rotors # MCL4076 & MCL4093.   | 16.01.17             |  |
| Tianco           | ORCA RT<br>Pt. #<br>OMT215RT   |                                    | Sensored system. "Y" Wind. Black Can & E/Cap. Stator has access slots. Stator accepts 14.5mm gauge. ORCA RT & wind etched on End-Cap. Adjustable timing +/-50. Rotor with name & Part # ORR425S0. Option rotors:- ORR 325S1, 233SL, 238SL, 253SL, 258SL.  | 16.01.17             |  |
| Reds<br>Racing   | VX<br>Part #<br>MTTE 0013  |                                    | Sensored system. "Y" Wind. Red metal End-Plate at Term.<br>End, with adjustable timing 0-45. Black Can/Sleeve. Stator<br>separates & has wind etched. Rotor with Green drilled balance<br>ring Part # MSTE0016.<br>Optional rotors:- # MSTE0009, MSTE0010   | 19.12.16             |  |
| Hobbywing        | Xerun<br>V10 G2<br>Pt # 30101109   |                                    | Sensored system. "Y" Wind. Black Alu. Can & End-Cap,<br>moulded timing insert with logo moulded. Nickel sintered rotor<br>with one Alu. bal. ring. Adjustable timing +20/+ 50 deg. Stator<br>and wind visible.<br>Rotor Part # 30820007 stamped 7-12.5-A.<br>Option Rotor: # 30820015 stamped 7-12.5-U-B<br>Option End Cap. timing +20/+60 # 20820054 | 21.11.16             |  |
| Team<br>Powers   | Actinium<br>Pt. # TPBLM<br>215100 ACT-<br>V2   |                                    | Option End-Cap, timing +30/+60 # 30820054<br>Sensored system. "Y" Wind. Black Aluminium Sleeves & End-<br>Plates. Stator with wind etched & visable. Nickel sintered rotor<br>with no balance ring. Has stator access.<br>(UK Spec. label not mandatory).<br>Rotor with name, Part # TP125G-R   | 21.11.16<br>24.10.16 |  |
| Fantom           | Fantom<br>FR-1<br>Type M<br>Pt. #<br>FAN19505S   |                                    | Sensored system. "Y" Wind. Stator glued & spigoted in sleeve.<br>Sleeve with wind etched. Adjustable sensor plate timing<br>+20/+60 deg. Has stator access. Wind etched on stator. Rotor<br>with name, Part # - FAN19591.<br>Optional Rotor: FAN19590   | 08.08.16<br>05.12.16 |  |

| Corally   | Dynospeed<br>Spec. 3.0<br>Part #<br>C-61103 |                 | Sensored system, two ports. "Y" Wind. One end of stator visable<br>but stator removes. Stator has wind etched. Wind etched on End-<br>Cap. End-Cap Alum., adjustable timing, no numbers. Rotor with<br>logo, Part # 61130                                    | 08.08.16 |
|-----------|---|-----------------|--|----------|
| Motiv     | M Code<br>Part #<br>MOV10215S               |                 | Sensored system. "Y" Wind. Alu. timing plate with MOTIV logo.<br>Mounting Cap removes. Nickel sintered rotor with no balance<br>ring. Adjustable sensor plate timing 0/+50 deg. Has stator<br>access.<br>Rotor part # MOV1315                                | 18.07.16 |
| Tesla     | Tesla<br>EP<br>Part #<br>TS-194215T-S       |                 | Sensored system. "Y" Wind. Blue Alu. Can & End-Caps. Timing<br>insert with Tesla logo etched. Nickel sintered rotor with one Alu.<br>bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible. Rotor<br>Part # TS-194136                                      | 07.07.16 |
| Ruddog    | Ruddog<br>RP540<br>Part #<br>RP-0015        | RUDDOG<br>RP540 | Sensored system. "Y" Wind. Silver Alu. Can & End-Caps.<br>Timing insert with Ruddog etched. Nickel rotor with one Alu. bal.<br>ring. Adjustable timing +20/+ 60 deg. Lams.visible with wind<br>visable on stator.<br>Rotor Part # RP-12.5-7.2                | 30.05.16 |
| Fenix     | Fenix<br>DFV2-21.5<br>Pt. #<br>FM00215-2    |                 | Sensored system. "Y" Wind. Black Alu. Can & End-Caps.<br>Timing insert with Fenix DFV2 etched. Nickel sintered rotor with<br>one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible.<br>Rotor Part # MF72-B<br>Option rotor: MF72                  | 19.05.16 |
| Tekin     | Redline<br>Gen3<br>Part # TT2703            |                 | Sensored system. "Y" Wind. Black Alum. Timing plate 2.5mm<br>above red ring Adj. timing 0/60. Machined Alum. Can with<br>wind printed. Stator visable via. slots. Rotor with one brass<br>balance ring Part # 2721.<br>Option rotors: 2719, 2722             | 16.05.16 |
| Tekin     | Redline<br>Gen3<br>Part # TT2702<br>RPM     | CENSA 215T      | Sensored system. "Y" Wind. Black Alum. Timing plate 2.5mm<br>above red ring Adj. timing 0/60. Machined Alum. Can with<br>wind printed. Stator visable via. slots. Rotor with one brass<br>balance ring Part # 2721.<br>Option rotors: 2719, 2722             | 16.05.16 |
| Turnigy   | Trackstar V2<br>Pt # 80122                  |                 | Sensored system. "Y" Wind. Stator slides from sleeve.Sleeve<br>with wind etched. Adjustable sensor plate timing 0-50 deg. Has<br>stator access. Wind etched on stator. Rotor with name, sizes &<br>Part #.<br>Rotor Part # 919000281                         | 16.05.16 |
| EZpower   | EZ Kicker<br>EZBR221                        |                 | Sensored system. "Y" Wind.<br>Gun-metal End-Plates & Sleeve. Adjustable red timing ring.<br>Nickel sintered rotor with Red hollow balance ring marked EZ.<br>Caps & sleeve remove, has stator access.<br>Rotor Part # EZBR233                                | 23.03.16 |
| Fenix     | Fenix<br>DFV-21.5<br>Pt. #<br>FM00215       |                 | Sensored system. "Y" Wind. Black Alu. Can & End-Caps.<br>Timing insert with Fenix DFV etched. Nickel sintered rotor with<br>one Alu. bal. ring. Adjustable timing +20/+ 60 deg. Lams.visible<br>access with cap removed.<br>Rotor Part # MF72.               | 18.01.16 |
| Team Epic | ReVtech<br>24K<br>Pt # REV1803              | 244             | Sensored system. "Y" Wind. End-Plate has Revtech etched.<br>Stator sleeve with ReVtech & Wind etched. Adjustable sensor<br>plate timing 0-60 deg. Has stator access. Wind stamped on<br>lower collector ring & visible. Rotor with name & Part #<br>TEP1112. | 23.11.15 |
|           |   |                 | Optional rotor # TEP1118.  | 14.11.16 |

| Motors below this level must comply with EFRA Rule - App.3, 2.2(9), which requires access to the stator to allow measurement and visual appraisal of the laminates. |  |                     |  |                                   |
|---|--|---------------------|--|-----------------------------------|
| King Golden   | Speed<br>Passion<br>V4.0<br>21.5R<br>#SP001233 |                     | Sensored system. "Y" Wind.<br>Black End-Plates & Sleeve with wind etched. Nickel sintered<br>rotor with one Purple balance ring, 12.5 dia, 7.1 core.<br>Adjustable timing 0 -40 deg. Has stator access.  | 9.3.15                            |
| Tianco  | ORCA RX3<br>Part #<br>OMR215X3                 |                     | Sensored system. "Y" Wind. Black Can & E/Cap. Complete<br>stator removes. Has stator access slots. ORCA RX3 & wind<br>etched on End-Cap. End-Cap Alum., adjustable timing. Rotor<br>with black balance ring 12.4 dia., 7.2 core.<br>Part # OTR124ST  | 10.11.14<br>25.05.15              |
| Wurks   | Wurks<br>Part #<br>R1-215-125-V7               | 21.5 WURKS          | Sensored system. "Y" Wind. End-Plate with R1 Wurks etched.<br>Stator sleeve with Wind painted. Nickel sintered rotor painted<br>Black, no balance ring, 12.4 dia, 7.2 core. Adjustable sensor<br>plate timing 0-60 deg. Has stator access.<br>Single collector ring at 'pinion' end of stator.<br>Motors with Twin collector rings and/or epoxy filled<br>windings not approved. | 27.10.14<br>16.12.15.<br>26.10.16 |
| Reds Racing   | VX<br>Part #<br>MTTE 0008                      | REAL ROLLS          | Sensored system. "Y" Wind. Red metal End-Plate at Term.<br>End, with adjustable timing 0-45. Black Can/Sleeve. Stator<br>separates & has wind etched. Rotor with Black drilled balance<br>ring MSTE0010.<br>Optional rotors:- # MSTE0009, MSTE0016   | 19.05.14<br>06.07.16              |
| Team Epic   | ReVtech<br>Killshot<br>Pt #<br>REV1603R        | 21.5                | Sensored system. "Y" Wind. Copper colour Aluminium End-<br>Plates, Revtech etched. Blue stator sleeve with ReVtech &<br>Wind painted. Nickel sintered rotor with one purple balance ring,<br>12.3 dia, 7.2 core. Adjustable sensor plate timing 0-80 deg.<br>Has stator access.<br>Optional rotor TEP 1112 approved.   | 17.03.14<br>07.04.14              |
| Hobbywing   | Xerun V10<br>Pt. #<br>30401020049              |                     | Sensored system. "Y" Wind. Black Alu. Can & End-Cap,<br>moulded timing insert with logo printed. Nickel sintered rotor with<br>one Alu. balance ring, 12.5 dia, 7.2 core. Adjustable sensor<br>plate timing -20/+ 50 deg. Stator and wind visible via. sleeve<br>slots.  | 3.3.14                            |
| Muchmore  | FLETA ZX<br>Pt #<br>MR-FZX215                  | 21.5<br>FLETAXX     | Sensored system. "Y" Wind. Black metal End-Bell with plastic<br>timing plate, with adjustable timing 0-45. Black Can/Sleeve.<br>Stator separates. Nickel sintered rotor with Green drilled<br>balance ring. Rotor 7.2 core, 12.5 dia. Optional rotor MRFZR11<br>allowed.<br>Aluminium timing-plate MR-FZAT fitted to later versions.   | 29.07.13<br>14.05.14<br>05.08.14  |
| Team Wave   | Eclipse<br>#<br>TW2011-215                     | ELIPSC<br>TEAM WAVE | Sensored system. "Y" Wind.<br>Black Alum. End-Plates. Adj. timing. Black Alum. stator sleeve<br>with wind etched. Nickel sintered rotor with one plain balance<br>ring, 12.5 dia, 7.17 core, marked 125-R. Stator visable via.<br>Sleeve slots.  | 24.6.13                           |
| Corally   | Corally Pro<br>Silver<br>21.5T<br>399215       |                     | Sensored system. "Y" Wind.<br>Plain Alum. End-Plates. Adj. timing. Plain Alum. stator sleeve<br>with wind etched. Nickel sintered rotor with one Black balance<br>ring, 12.3 dia, 7.18 core. Stator visable via. Sleeve slots.   | 17.6.13                           |
| Tianco  | ORCA TX<br>Pt. #<br>OTM 215TX                  |                     | Sensored system. "Y" Wind. Dull Grey Aluminium casings.<br>Main sleeve removes. Has stator access slots. ORCA TX &<br>wind etched. End-Plate moulded, adjustable timing. 12.5mm<br>Rotor no balance ring, shaft marked 125S-N. Option 123S-N.<br>12.3mm.<br>Option EndPlate OME111TX allowed.<br>New sensor Ass. CAS-0220TX-30 fitted.   | 10.06.13<br>10.03.14<br>20.07.14  |
| LRP   | X20<br>21.5T Spec.<br># 50864                  |                     | Sensored system. "Y" Wind.<br>Black moulded End-Bell with XTEC. Fixed End-Sleeve etched<br>with wind. Sintered rotor, coloured Black, with 1 balance ring.<br>Grey stator moulding. Rotor shaft Black stamped 12.5-25. Slot<br>for stator access.<br>Optional Green rotor # 50639 approved.  | 20.07.14.<br>22.04.13<br>28.12.15 |

| Tekin            | Redline<br>GEN2<br>21.5T<br># TT2402<br>& TT2403                |   | Sensored system. "Y" Wind.<br>Black Alum. End-Plates, not joined. Adj. timing. Alum. Can with<br>wind etched. Stator visable via. Sleeve holes. Nickel sintered<br>rotor with one brass balance ring. Rotor 7.14 core. 2402=12.25<br>dia. 2403=12.5 dia.   | 1.4.13                |
|------------------|---|---|--|-----------------------|
| Team Orion       | VST2 Pro<br>Stock 21.5.<br># ORI 28253                          |   | Sensored system. "Y" Wind.<br>Grey one-piece Can. Black Aluminium End-Plate retained with<br>five screws, adjustable moulded timing plate. Wind etched.<br>Nickel sintered rotor, 12.5 dia, 7.1 core, no balance rings.<br>Optional 12.4 dia, 7.2 core.  | 25.3.13               |
| Motors below t   |   |   | ed before implementation of EFRA Rule App.3, 2.2(9), (requal of laminates). Some motors do allow stator access.  | iring access          |
| Hobbywing        | Xerun<br>Pt. #<br>90040151                                      |   | Sensored system. "Y" Wind. Polished Auminium End-Plates,<br>Hobbywing etched. Fixed timing. Blue stator sleeve with 21.5T<br>& Pt.# etched. Sleeve & EndPlates also Gunmeteal colour. Side<br>entry sensor plug. Nickel sintered rotor, 12.4 dia, 7.2 core.<br>Rotor with one balancing ring.              | 13.8.12               |
| Vampire          | Vampire<br>Type AB+<br>Bloodline<br>Pt. #<br>VR-3215            |   | Sensored system. "Y" Wind.<br>Black Plastic End-Plate at Term. End, with adjustable timing.<br>Sensor plug horizontal. Green End plates. Wind etched. Nickel<br>sintered rotor with no balance rings, 12.5 dia, 7.21 core.   | 12.3.12               |
| Graupner         | GM Brushless<br>PRO.<br>Pt. # 97421.<br>2012 version.           | HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL<br>HITAL | Sensored system. "Y" Wind. Alum. Mounting-Plate with 3x5mm<br>holes and 3 radiused slots. Plastic End-Cap with GM moulded.<br>Adj. timing. Gun-Metal stator sleeve with Wind & Pt.# etched.<br>Side entry sensor plug. Nickel rotor marked GM Stock, 12.51<br>dia, 7.24 core.                              | 31.12.11              |
| Thunder<br>Power | Z3R-S<br>Part #<br>TPM-540A215                                  |   | Sensored system. "Y" Wind. Black Plastic Moulding at Term.<br>End, with adjustable timing. Red Can/Sleeve with silver end<br>cover. Wind etched on stator. Stator separates. Nickel sintered<br>rotor with drilled red balance ring, 12.25 dia, 7.2 core.<br>Optional Rotors:- Blue or Green balance ring. | 17.10.11.<br>16.04.12 |
| Speed<br>Passion | Competition<br>3.0<br>MMM Version<br>Pt.#<br>SP000040           |   | Sensored system. "Y" Wind.<br>Dark Gun-Metal Aluminium Sleeve & End-Plates, SP etched.<br>Sleeve with Wind & MMM etched. End-Plates with grooves.<br>Red sensor board. Black sintered rotor with one balance ring,<br>12.3 dia, 7.2 core. Adjustable timing 11-20 deg.                                     | 4.7.11                |
| Viper            | Viper VST<br>Pt. #<br>8VST 215001                               |   | Sensored system. "Y" Wind.<br>Red Aluminium End-Plates, VST & 21.5T etched. Black<br>grooved stator sleeve.<br>Black sintered rotor with no balance rings, 12.5 dia, 7.35 core.<br>Adjustable timing.  | 16.5.11               |
| Tekin            | Tekin<br>Redline<br>21.5T Spec.<br>Pt. # TT2250<br>(Etched Can) |   | Sensored system. "Y" Wind.<br>Red Aluminium mounting plate. Black moulded End-Bell with<br>Tekin.<br>Grooved Al. bonded stator sleeve with 21.5T etched. Nickle<br>plated sintered rotor, 12.4 dia, 7.11 core. No balance rings.   | 11.4.11               |
| HPI              | Flux Pro.<br>Pt. # 101734                                       | C B A<br>21.5T  | Sensored system. "Y" Wind. Black Aluminium End-Plates, HPI<br>etched. Black stator sleeve with Wind etched. Nickel sintered<br>rotor, 12.5 dia, 7.2 core. Adjustable timing.<br>Optional rotor - 12.2 dia, 7.2 core, Nickel plt.<br>Optional rotor 107252 - Mag & shaft Black.                             | 28.03.11<br>07.05.12  |
| Graupner         | GM Brushless<br>PRO.<br>Pt.# 97361<br>2011 version.             |   | Sensored system. "Y" Wind. Gun-Metal Aluminium End-Plates,<br>GM-Racing etched. 5 timing threads. Gun-Metal stator sleeve<br>with S21.5T & Pt.# etched. Side entry sensor plug. Black<br>sintered rotor, 12.4 dia, 7.21 core.<br>Rotor with one balancing ring.  | 31.1.11               |

| Trinity  | Trinity D3<br>Pt. # TEP1057       |                             | Sensored system. "Y" Wind. Gun-Metal Aluminium End-Plates,<br>Trinity etched. Black stator sleeve with D3 & 21.5T etched.<br>Nickel sintered rotor with one balance ring, 12.25 dia, 7.20 core.<br>Adjustable sensor plate timing.  | 31.1.11  |
|--|-----------------------------------|-----------------------------|---|----------|
| Graupner   | Brushless<br>PRO.<br>Pt. # 97301  | H97301<br>H97301<br>S 21.5T | Sensored system. "Y" Wind. Dark Gun-Metal Aluminium End-<br>Plates, GM-Racing etched. 5 timing threads. Dark Gun-Metal<br>stator sleeve with S21.5T & Pt.# etched. Side entry sensor plug.<br>Black sintered rotor, 12.3 dia, 7.2 core.<br>Rotor with one balancing ring. | 21.12.09 |
| Speed<br>Passion   | 3.0 - 21.5R<br>Pt.#<br>SP138215V3 |                             | Sensored system. "Y" Wind. Light Gun-Metal Aluminium End-<br>Plates, SP & 21.5T etched. Light Gun-Metal stator sleeve with<br>SP21.5T etched. Black sensor board. Black sintered rotor with<br>one balance ring, 12.3 dia, 7.22 core. Adjustable timing 0-10.             | 12.10.09 |
| Paul Worsley. (EFRA Elec. Chairman). Last update 23.01.17. |                                   |                             |   |          |