

# Brushless Motor Inspection Form

**\*Please note that ROAR requires each motor manufacturer/supplier to be an Industry Affiliate prior to submitting motors for approval.\***

**INSTRUCTIONS**

- 1) Complete one copy of this form for each motor submitted and send it, along with the inspection fee(s), to the motor inspection lab listed on the following page.
- 2) For 540 modified, 1/8 scale, 540 4-pole and 550 motors, only one (1) sample is required of any wind in the motor series. It is not necessary to submit samples of each configuration, but all other components must be representative of the exact configuration you intend to produce for retail sale. If inspection of both half and even wind motors is requested, send a sample of each type (two motors total).
- 3) For Spec class motors (10.5, 13.5, 17.5, 21.5 and 25.5), submit 3 (three) samples of each wind in the exact configuration you intend to produce for retail sale. Fill out a separate form for each part number.

**FEES**

**SPEC MOTORS:** \$350USD per item number.  
**MOD MOTORS:** \$150USD per series.  
**TUNING ROTORS:** No inspection fee, but a reference sample must be submitted.  
**VENDOR/OEM MOTORS:** \$150 per item number. These motors can fall under the original approval, but a sample must be submitted, checked for critical dimensions and cataloged for future reference.

**SHIPPING**

Motors must be shipped via a courier that provides **detailed tracking data**. The date the product arrives will be considered the approval date, once all the criteria for approval is met. **DO NOT ship via postal service**, and please do not select "signature required" or the package may be returned to sender. Also, there may not be any fees charged to the recipient, or the package cannot be accepted.

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ email: \_\_\_\_\_

Motor: \_\_\_\_\_ Manufacturer: \_\_\_\_\_

Importer: \_\_\_\_\_

Model name of motor: \_\_\_\_\_

Item number of motor(s): \_\_\_\_\_

Following the technical inspection of each motor, you must furnish documentation to the ROAR Technical Director that motors are available for purchase in significant quantity at a minimum of three retail outlets, and that you have purchased production quantities of motors. Specialty motors built in limited quantities, or those not available to the public, will not be approved. Approval will be granted only after availability is confirmed. Complete information regarding motor rules and specifications can be found in the latest version of the ROAR Rulebook, listed on the website at [www.roarracing.com](http://www.roarracing.com)

Signature X: \_\_\_\_\_ Date: \_\_\_\_\_  
Company Principle MM/DD/YY

I, the above signed, certify that the motor(s)/accessories submitted are in compliance with ROAR specifications and objectives for the relevant motor classes, and are identical to the motors that will be available to all racers and retail customers. I understand that ALL motors need to meet the specifications as listed in the ROAR rulebook at all times, and at no time will it be acceptable to manufacture special motors in limited quantities for use in ROAR competition. I understand all the ROAR rules related to the products I submit for approval, and hereby certify that I will adhere to the specifications and objectives of those rules.



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**ROAR AFFILIATE STATUS:** Sign up or renew your membership as a ROAR Manufacturer Affiliate. You MUST be an active affiliate before a motor can be considered for inspection, and you must remain an active affiliate to keep your motors on the approval list once approved. If you're not a current member, visit the [Industry Affiliate](#) registration page. Vendor/OEM applicants (those relabeling motors already approved) also need to register as an affiliate prior to submitting your sample for approval.

**FEES:** Motor inspections will begin only once full payment is received. Any fees resulting from the chosen method of payment will be the sole responsibility of the submitting manufacturer, and failure to account for any fees will delay the inspection. Contact [rhis1@tx.rr.com](mailto:rhis1@tx.rr.com) to make payment arrangements. The fees listed in this document are fixed by ROAR and nonnegotiable, as are the motor sample requirements.

**MOTOR/ACCESSORY SAMPLES:** For spec class motors (10.5, 13.5, 17.5, 21.5 and 25.5) submit a separate approval form for each part number and an inspection fee (\$350USD) for each, and then supply three (3) samples of each motor. For modified 540, 540 4-pole, 550 and 1/8 motors, submit one (1) sample of any wind in the series and an inspection fee (\$150USD). Be sure to include one (1) additional sample of an even wind motor (4.0, 5.0, etc.) if you wish to have them included on the approval list. Additionally, include a list of ALL PART NUMBERS for the entire series on the inspection form. Each motor must have a unique part number, and only the part numbers listed will be approved. If any motor in the series differs in any way (not including the wind configuration) from the motor submitted, then it must be inspected and approved separately. Optional rotors must also be submitted and have their own individual part numbers so it's noted that they're an approved modification. Otherwise, only the rotor that is certified with the motor will be legal for ROAR competition. If you wish to submit optional rotors, send one (1) sample of each to be listed as optional rotors for your motor. There is no fee for optional rotor inspection. Product samples will not be returned.

**INSPECT YOUR PRODUCT:** Be sure to check that your motors conform to the ROAR rules before submitting your products. Many of the products that fail the inspection process could have been easily prevented by at least checking some of the critical dimensions prior to submission. You are paying for the inspection, not the result. So, failure of any motor will result in the failure of the series, and it will require another inspection fee, new samples that meet the specifications, and specific plans to ensure that none of the non-compliant motors are available to ANY racers.

**SHIPPING:** Packages must be sent via courier that offers detailed tracking information. The delivery date from the tracking data will serve as the approval date once inspection is certified. **DO NOT send via postal service**, and do not require a signature for delivery. The submitting manufacturer is responsible for shipping fees to and from the motor inspection lab. It is recommended that all packages are insured against loss or damage. Any lost or damaged product submitted for approval is the responsibility of the submitting manufacturer.

**Ship to:  
RHI Services  
2921 Harlee Dr.  
FARMERS BRANCH TX 75234-5007**

**VENDOR/OEM MOTORS:** Motors can be submitted for a reduced fee (\$150USD) under the original manufacturer's approval provided the following conditions are met: 1) ALL of the motor components inside and out MUST be IDENTICAL in every way except for the branding, and 2) the vendor must be and remain an affiliate as long it's desired for the motor to be on the list of approved motors. Rewinding and replacement of any motor components classifies it as a new motor, which must be approved separately and meet all the conditions of an original approval.

**IMPORTANT:** Only a majority vote of the ROAR Executive Committee can certify the final approval of any motor or accessory. No communication (written or verbal) from any individual ROAR staff member or the Motor Lab can be construed as an approval. Any actions by the manufacturer based on any communication from other than the ROAR Executive Committee, will be the sole responsibility and liability of the manufacturer.

The Motor Lab will make a good faith effort to establish the compliance of all motors in accordance with ROAR rules and specifications. By submitting product for inspection, you agree that an approval is not permanent, and that the Motor Lab and ROAR may not be held responsible for the continued approval status of your product(s). Motor features (especially in the stock/spec classes) that are not anticipated by the rules and/or standard inspection equipment and procedures, or that contain features that are not consistent with the specifications and objectives of the rules, may be sufficient grounds for ROAR to deny approval or to rescind approval at a later date.

Motor rules and specifications exist to ensure some level of parity in performance, especially in the stock/spec classes, so that racers can expect a comparable level of performance from any motors/accessories that carry a ROAR approval. The rules and specifications cannot, however, anticipate all developments that may undermine the parity that is the cornerstone of the spec/stock classes. It's for this reason that, independent of the result of the inspection and approval status of any product, it is ALWAYS the manufacturer's sole responsibility to ensure compliance with the specifications and objectives of the rules at all times with all products submitted for approval in ROAR sanctioned competitions.