Rex’s offer a high quality generator testing and rewind service. We also supply a wide range of new, replacement stators, regulator rectifiers and ignition parts for motorcycles, ATVs and quad bikes. When no replacement stator is available or when a repair offers a considerable saving over OEM prices a rewind may be the best solution. Prices shown are for the rewind element of the repair only and unless stated otherwise, do not include labour charges for stripping and building the winding to a mounting plate, separating pick-ups or repairing leads etc. A one year warranty applies on all parts and repairs unless otherwise stated. Prices are +VAT.

Pricing Guide
Check a generator stator using meters or an insulation tester - FOC.
Bench running analogue CDi units, electrical items - starting from £20
Replacing looms, removal and refitting of windings - Per hour + materials

Radial Stators - Charging Only
These have charging windings only. The price shown includes strip to base metal, a triple layer of base insulation, new high quality wire and encapsulation in resin under a vacuum/pressure process if applicable.

4 pole generators £125
6-18-pole generator - £155
Poles = the bobbins with wire wrapped round

Radial Stators with CDI & Alternator Windings
These have coils that power flywheel CDi and a separate set of coils that provide power for lights and charging. Often it is possible to repair only the CDi windings. If interconnecting wires need to be moved to get access to CDi windings the prices below may vary. If the heavier charging coils have burnt out a full overhaul will be required.

Low or high speed only re-wind - £90.76
Low and high speed rewind - £150
Full overhaul from £249.96
Honda CB/CM400 Low speed £125 (wires blocking access need moving)

Pick-ups (trigger windings) mounted with a radial stator are not included in the scope of work. These are priced as a separate job.

SR500/RD250/350 stator fitting to back plate £30
Examples of Radial Combined CDi & Alternator Stators.
Axial Windings
These are very common windings that normally sit under a flywheel and often have radiused ends. The price is similar for both alternator and CDi source windings.

Price includes completely strip, new insulation and rewound using high quality wires and vacuum resin application.

Each winding £75.00 for the rewind element. Not included is removal and refitting to stator, repairing leads or threads.

Magneto Windings
To rewind back to standard, with primary and secondary HT windings in one unit takes considerable time as each layer of the HT coil has to have an interleaf added to stop the winding breaking down as the voltage increases.

We specialise in all flywheel, PAL & stationary engine mags. We use modern film insulation and thermoset resin instead of the old papers and air drying varnishes. Modern materials withstand higher voltages and are less susceptible to moisture.

Quoted individually, from £150

We also offer an external HT conversion where we convert the magneto to supply an externally mounted HT coil as a lower cost alternative to a full rewind.

External HT coil conversion £79.13 Including correct HT coil & instructions

Unfortunately we do not take on the rebuilding of British motorcycle magnetos. However we will rewind armatures that have been removed from the magneto.

Electronic contact sets. We manufacture an electronic points replacement unit that works in place of the contact breakers. This gives stronger spark and is useful where only low quality or no replacement contacts are available. Using this unit can add a timing curve to previously fixed timing magnetos.

Modern miniature condensers for all types of magneto available. Ask about our ‘Mini-Cap’
Self Contained Alternators

These have the alternator windings and regulator rectifier in the same unit and are force air cooled so they can produce large amounts of power. We are able to supply many parts including regulators, rectifiers, brushes & bearings. It should be noted there are no fitting guides and the unit can be severely damaged by careless fitting of replacement parts. Our workshops can fit these parts for you.

We also stock new replacement alternators.

Regulator replacement from 1/2 hour + part
Rectifier replacement from 1/2 hour + part

Internal rotor - fixed winding
These have alternator windings only and the rotor runs inside the windings. The price shown includes strip to base metal, a triple layer of base insulation, new high quality wire and encapsulation in resin and new leads.

Full stator overhaul £249.96

Internal rotor - loose windings (Built up)

Rex’s specialise in this type of rewind, these stators have an internal rotor but individual bobbins assembled on to the stator. The bobbins must be ‘wet assembled’ as while the resin is liquid the winding can be shaped to correctly fit the pole piece, if you look at the originals they will be slightly curved to suit. If the windings are supplied with resin pre applied it will be solid making it impossible to mould to the stator shape. Windings that aren’t a perfect fit will suffer from vibration and fail very quickly as a result.

We do not recommend partial repairs (single winding replacement) to generators over 25 years old. This is because the remaining windings will have equally degraded and may fail soon after repair, leading to customer dissatisfaction when the generator has to come off again to repair the next failed section.

Japanese Machines
1 Pole rewind - £150 (6 month warranty)
Full stator overhaul including new leads £400 (one year warranty)
Lucas RM alternators Classic British Machines £POA
We stock new 6 and 12 volt Lucas rotors & stators which offer a cost effective alternative to rewinding. We can rewind the 6 volt RM15-19 versions, however prices are similar to the Japanese loose winding type above.

Rotating Field Windings

Fully stripped and cleaned, slip rings inspected and machined true. A new winding is made and over wrapped with special high strength fabric. The whole assembly is then treated with resin under a low vacuum. The thread and fabric soak up the resin and once set the whole assembly forms an extremely tough winding that is able to withstand engine vibration and centrifugal forces.

Japanese machines from £125

“Basket winds” - Quoted individually

We offer new replacement parts for some Honda and Yamaha models.

Each generator requires special tooling to be made, where we do not have this lead times may be extended while we manufacture it.

Full stator overhaul including new leads £300

Trigger coils

To ensure perfect ignition timing trigger windings usually have complex winding patterns to give a precision voltage spike rather than an AC sine wave. This accuracy can only be obtained using a machine that can be programmed to reproduce the winding pattern. These are intricate items to repair and often the plastic moulding will be removed to access the winding under. The repair is protected with a special resin impregnated fabric so will look different after.

Prices start from £75.00.

Yamaha SR500 high speed pick-up

Yamaha RD Pick-up

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www.rexs-speedshop.com
TZ Rewinds - Full overhaul including new leads - Fixed Price

Early 250/350 - £183.29 (pick-ups tested but not included if they need replacing)
250N 5F7-1 (1981-84) - £150 (including pick-up)
TZ500 £183.29 (including pick-up)
TZ750 - £183.29 (pick-ups tested but not included if they need replacing)

Later TZ250 - POA (machining required in some cases)

We have many years experience with the Hitachi internal rotor systems. These high performance systems are better than many so called modern performance replacements, so are well worth getting repaired instead of replacing them with something that gives less power. We use CNC machines ensure the exact number of turns and the highest quality wire. The repaired windings are build up concentrically using a jig so they should fit on the bike without the rotor rubbing, however the person fitting the repaired part must do their own clearance checks before starting the engine.

Rex’s manufacture new CDi units for many of these machines and can carry out machining and welding to damaged parts (not included in fixed price rewinds).
Starter Motors

We offer new replacement starter motors as well as an overhaul service. We stock new brushes and repair kits for 100’s of machines including ATVs and jet skis. We can supply repair kits for DIY fitting or our workshops can do the work for you if you prefer to have an OEM starter rebuilt. We are adding more parts to our website. Repair kits from £19.99, overhauls from £150

- Brush kits
- Overhaul kits
- Starter relays
- Bearings & seals
- New replacement starters to order

TZ250 - this type requires new parts machining to re-assemble

MX Type

All prices shown are exclusive of VAT. This is a guide only and does not infer a fixed price repair unless specifically stated. We reserve the right to alter prices without notice. Our repairs come with a one year warranty as standard.