

MOTORTECH | Repair & Overhaul Service



MOTORTECH SERVICE



reliable



efficient



worldwide

As good as new!

MOTORTECH Repair & Overhaul Service

Ignition controllers are subjected to extreme loads and must fulfill a wide range of technical requirements under very tough conditions. Parts that are constantly under stress will wear out and tend to fail. MOTORTECH offers a comprehensive repair and overhaul service for almost all popular ignition controllers. Take advantage of our more than 30 years of technical experience.

Our economically remanufacturing process covers intensive inspections, parts replacement, extensive reconditioning and full operational test procedures. Within shortest time we return a fully functional product that looks as good as new.

Complete Overhaul¹⁾ of:

- CATERPILLAR® Ignition Controllers for G3300/G3400 series gas engines
- WAUKESHA® CEC series
- WAUKESHA® IPM-Diagnostic
- All MOTORTECH Ignition Controllers

Repair²⁾ of:

- ALTRONIC® DISN series
- ALTRONIC® CPU95 series
- All WOODWARD® Ignition Controllers

14 Steps to an overhauled Unit



1
Incoming Inspection

Examination of incoming units, system recording and creation of internal documents.



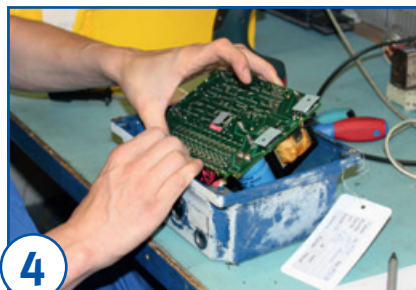
2
Pre-Cleaning

Pre-cleaning of highly contaminated units.



3
Test Bench Check (prior to repair)

Intensive function test and determination of malfunctions.



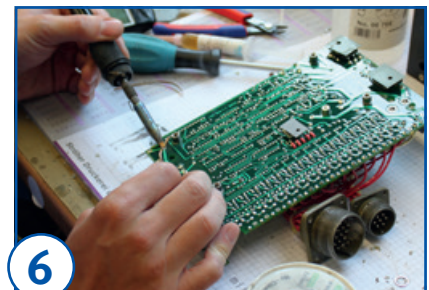
4
Disassembling

Disassembling of controller.



5
Visual Inspection

Technical analysis and documentation of defects (water ingress, burn marks, etc.).



6
Repair

Replacement of all known plus individual analyzed defects.

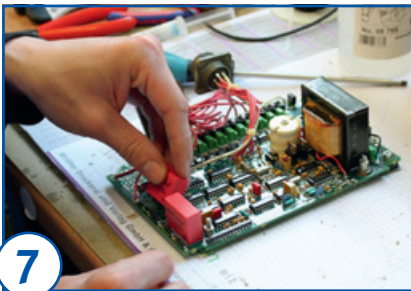
¹⁾ A complete overhaul includes all the “14 Steps to an overhauled Unit” illustrated here.

²⁾ Please note that in a repair we do not sandblast and powder coat the housings (step 10), do not replace the gaskets and protective caps during assembly (step 11) and do not attach a new name or replace the old labels (step 12).

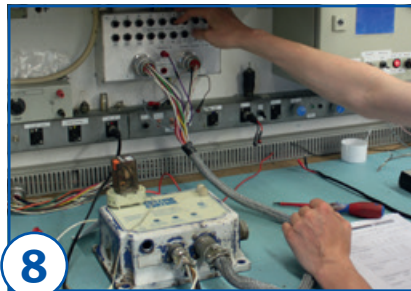


Quality without Compromise

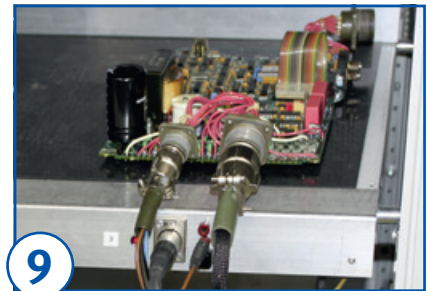
Take advantage of our comprehensive flat rate overhaul service. This option offers you knowing in advance what the cost will be. Our intensive repair, overhaul and test procedures allow a full year of warranty on all parts replaced by MOTORTECH.



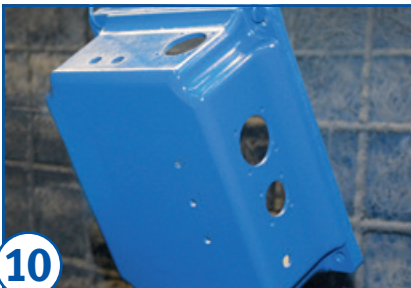
7
Exchange of Components
Exchange of all defective parts and ageing components.



8
Test Bench Check (after repair)
Intensive function test with renewed components.



9
Burn in Test
48 hours stress test with maximum parameters in a furnace at 50 °C (122 °F).



10
Sandblasting and powder coating
The housings are sandblasted and powder coated.



11
Assembling
Assembling of the controller. Replacing of the gaskets and protective caps.



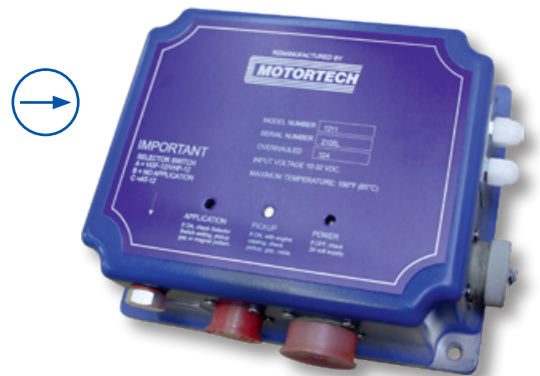
12
Labeling
Mounting of a new name plate “remastered by MOTORTECH” and replacement of all old labels.



13
Final Test (End of Line Test)
Final operational test to control all functions.



14
Return to Customer
Creation of a repair and customer report. Units are safely packed for return to customer.



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GAS ENGINE TECHNOLOGY

Ignition Systems	Red
Spark Plugs & Accessories	Orange
Gas Engine Control Systems	Light Blue
Sensor Systems	Yellow
Air/Fuel Ration Control Systems	Green
Exhaust Gas Aftertreatment	Green
Gas Engine Accessories	Grey

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