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# Magnet Switch Continuity Test

1. Check the continuity across the **F** terminal (1) and the **M** terminal (2) with a circuit tester, pushing in the plunger.
2. If not continuous or if a certain value is indicated, replace the magnet switch.

(1) **F** terminal  
(2) **M** terminal

(3) Nonmagnetic Shim Type  
(4) Magnetic Shim Reflector Type

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# Alternator on Unit Test

## Before testing

- Before alternator on unit test, check the battery terminal connections, circuit connection, fan belt tension, charging indicator lamp, fuses on the circuit, and abnormal noise from the alternator.
- Prepare full-charged battery for the test.

## NOTE

- Be careful not to touch the rotating engine parts while engine is running.
- Keep safety distance from the engine rotating parts.

1. Start the engine.
2. When the engine is operating measure the voltage between two battery terminals. If the voltage is between 13.5 V and 14.5 V, the alternator is operating normally.
3. If the results of alternator on unit test are not within the specifications, disassemble the alternator and check the each component part for finding out the failure. See the "DISASSEMBLING AND ASSEMBLING" and "SERVICING" for alternator.

|                               |               |                            |
|-------------------------------|---------------|----------------------------|
| Regulating voltage at on test | Factory spec. | 13.5 to 14.5 V at 1500 rpm |
|-------------------------------|---------------|----------------------------|

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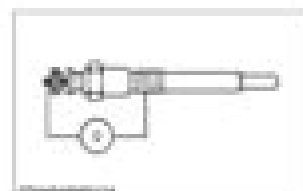
# Glow Plug Lead Terminal Voltage

1. Turn the key switch to the "GLDN" (or "PREHEAT") position, and measure the voltage with a circuit tester between the lead terminal and the engine body.
2. If the voltage differs from the battery voltage, the wiring harness or main switch is faulty.

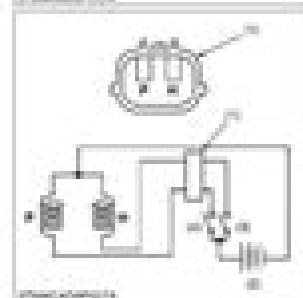
|         |                                          |                         |
|---------|------------------------------------------|-------------------------|
| Voltage | When switch key at "GLDN" (or "PREHEAT") | Approx. battery voltage |
|---------|------------------------------------------|-------------------------|

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# Glow Plug Continuity

1. Remove the glow plug.
2. Measure the resistance with a circuit tester between the glow plug terminal and the glow plug housing.
3. If the factory specification is not indicated, glow plug is faulty.

|            |               |               |
|------------|---------------|---------------|
| Resistance | Factory spec. | Approx. 1.5 Ω |
|------------|---------------|---------------|

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# Engine Stop Solenoid

1. Remove the engine stop solenoid from the engine.
2. Connect the jumper leads from the pulling coil **P** terminal to the switch (3), and from switch (3) to the battery positive terminal.
3. Connect the jumper leads from the holding coil **H** terminal to the switch (4), and from switch (4) to the battery positive terminal.
4. Connect the jumper leads from the engine stop solenoid body to the battery negative terminal.
5. When switch (3) is turned on, the plunger (pull coil) is attracted to the solenoid body and then turn off the switch (3), the plunger comes out.
6. Turn on the switch (4) then turn on the switch (3), the plunger pull into the solenoid body and keep in holding position after turn off the switch (4).
7. If the plunger is not attracted, the engine stop solenoid is faulty.

## IMPORTANT

- Never apply the current for pulling coil more than two seconds when inspecting.

(1) Locknut  
(2) Bolts  
(3) Switch for Holding Coil  
(4) Switch for Pulling Coil

← Locknut for Holding Coil  
← Terminal for Holding Coil

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# (B) Turbocharger



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# Turbine Side

1. Check the exhaust port (2) and inlet port (3) side of turbine housing (1) to see if there is no exhaust gas leak.
2. If any gas leak is found, tighten the bolts and nuts or replace the gasket (2) / (3) / (3) with new one.

(1) Turbine Housing  
(2) Bolts  
(3) Nuts  
(4) Exhaust Port  
(5) Inlet Port  
(6) Gasket

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# Compressor Side

1. Check the inlet hose (2) of the compressor cover (1) to see if there is no air leak.
2. If any air leak is found, change the clamp (2) and / or inlet hoses.
3. Check the intake hose (1) and the clamp to see if there is no loose or crack.
4. If any loose or crack is found, tighten the clamp or change the hose to prevent dust from entry.

(1) Intake Hose  
(2) Clamp  
(3) Inlet Hose  
(4) Compressor Cover

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# Kubota05 Series Workshop Service Manual

**Terry C. Jones**



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web widengren j mets Ü 2002 conceptual basis of fluorescence correlation spectroscopy and related techniques as tools in bioscience in zander c enderlein j keller ra eds single molecule detection in solution methods and applications wiley vch berlin pp 69 95 google scholar

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web jun 1 2022 plasmon nanopore detection 1 introduction 1 1 overview in the past one or two decades a variety of techniques and experiments have been developed and designed so far for the detection of a single molecule 1 since the 1950s various experiments have been performed for the study of biomolecules at single molecule level

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