



Powerdynamo brings new ignition & light
to your vintage motorcycle

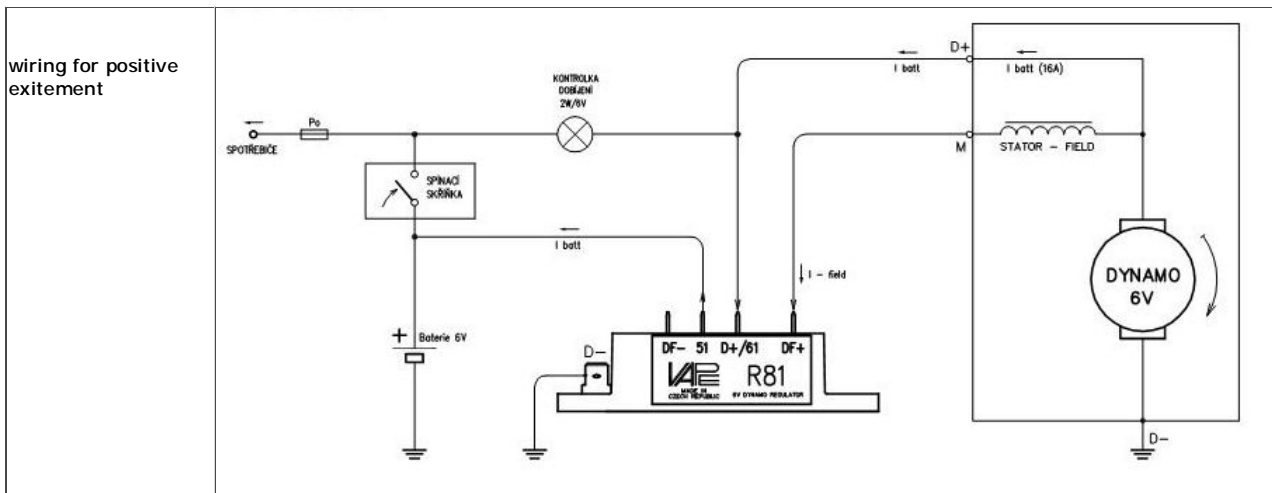


Company



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| | | <p>Electronic replacement regulator for stock 6 Volt motorcycle dynamos voltage regulated, for negative ground only</p> <p>Part number 80 50 588 03</p> |
| <p>Designated use</p> | <p>Replacement regulator for 6 Volts motorcycle dynamos with</p> <ul style="list-style-type: none"> - negative ground (use on positive ground will destroy the part!) - at least 4 field coils (winding packets inside dynamo housing) - minimal resistance of field 2.5 Ohm - maximal 16A output (~100Watts) <p>- will deliver 7.0 to 7.2V regulated DC</p> <p>- may be used for positive or negative excited fields positive excited field does NOT mean positive ground! this would destroy the part! for details see Powerdynamo website</p> <p>- needs battery in system, will not work without battery</p> <p>- you need to eliminate stock resistor for field excitement (simplest cut wire) this is sometimes tricky as it might be difficult to find that resistor for details see Powerdynamo website</p> <p>- operating environment -20 to +80 °C (-4 to +176 °F)</p> | |
| <p>Note:</p> | <p>Even the best regulator can not regulate what is not coming. Please consider that the problem might be a dead dynamo! You can not use this regulator without battery!</p> | |
| <p>Terminals</p> | | <p>4 push terminals 6.3mm labeled</p> <p>DF+, D+/61, 51 und DF-</p> <p>as well as one ground terminal.</p> <p>DF- is the DF terminal for use with fields connected to minus carbon (negative excitement)</p> <p>DF+ is the DF terminal for use with field connected to the plus carbon (positive excitement)</p> |
| <p>Dimensions</p> | <p>90x40x30 (with pins) see Dimensions here</p> | |
| <p>General Installation information</p> | <p>Take the stock regulator off, Make a not of the stock wiring. Mount the regulator to the bike. Fix it securely, not only loosely as any uncontrolled movement might trigger shortcircuits! It may have, but need not have ground contact on its casing, as there is a ground wire to be affixed there anyway.</p> <p>Pin DF- is use for negative excited fields, Pin DF+ is use for positive excited field. If pins DF- and DF+ are confused, the unit will NOT be destroyed, but the system will not deliver current. DF- and DF+ shall however never be connected. This will destroy the part! As it will be destroyed when used on positive ground systems or with accidentally reversed battery (even if very briefly)</p> <p>For a flawless function of the regulator you need to disconnect the regulating resistor of the generator and you need to have a working 6V battery in the system</p> | |
| <p>known applications</p> | <p>you find a List of known applications on the Powerdynamo website</p> | |
| <p>wiring for negative excitement</p> | | |



list of approved applications and wiring information for Powerdynamo regulator 80 50 588 03

The resistor has to be removed or disconnected (see info below)

All other use is not designated use and therefore not covered by warranty.

| Motorcycle type | DF connection | Info on resistor |
|--|---------------|---|
| Adler | DF minus | disconnect wire |
| DKW RT Models | DF minus | is inside stock regulator and gets removed with this part automatically |
| EMW R35 | DF plus | disconnect wire |
| IWL Pitty and SR56 Wiesel | DF plus | disconnect wire or remove part |
| IWL SR59 Berlin and Troll 1 | DF minus | disconnect wire or remove part |
| IFA/MZ RT /1/2 | DF plus | disconnect wire or remove part |
| IFA/MZ BK 350 | DF plus | disconnect wire or remove part |
| MZ (all later 6V 2-strokes) | DF minus | disconnect wire or remove part |
| 2-stroke JAWA from type 360/590 (Panelka) onwards with negative ground | DF plus | is inside stock regulator and gets removed with this part automatically |
| Motorcycles with stock Noris MLZ e.g. Puch with Dynamo, Horex, Zündapp, ILO, | DF plus | is inside stock regulator and gets removed with this part automatically |