

**SERVICE BULLETIN**

SUBJECT	:	recommended exchange previous CCU version
ENGINE TYPE	:	all
EQUIPMENT	:	Integrated Flywheel Generator (IFG) regulator
VERSION	:	24VDC
DATE	:	September 28, 2010
SB No	:	SB2010IWP091

All STEYR MOTORS Integrated Flywheel Generators (IFG) are equipped with an electronic governor called the CCU. This CCU is 3 phase linked with the -bell housing containing- alternator which is generating an alternating current (AC). The CCU's positive and negative output sockets are twin galvanic separated terminals which should be singly or joint connected with a 24V battery group.



Image 1: main IFG parts

The main components are:
a) CCU (regulator)
b) permanent magnetic rotor
c) 3 phase coil



Image 2: new CCU (DC output)

The CCU, as shown in image 1, has been modified to meet nowadays requirements. For these are basically all terminals altered, the DC output into more robust terminals (see: image 2) and the input covered with a hood. (see: image 3)



Image 3: new CCU (AC input)



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Another visible modify is the material and color the cover is made of, this has been changed from black/anthracite synthetic (*image 1*) into metal with a light grey coating (*image 2, 3 & 4*).

Image 4: new CCU

JUSTIFICATION & RECOMMENDATION:

Due our policy to strive to let you deal with product improving modifications we recommend to exchange all 'old' type regulators. Swapping the previous ones for new types can be done without adaptations because of its compatibleness.

WAY OF ACTION:

- Observe your aboard installation and check if your system is equipped with a previous (*image 1*) regulator or the modified (*image 4*) CCU.
- When equipped with a former (*image 1*) version: inform your supplier
- Refer in all communication -preferable in written- to this Service Bulletin under mention of this Service Bulletin number.

With best regards, Iman-Padmos (COO tech)