



TECHNO NEWS

MES TECHNOSERVICE CO., LTD.

TECHNICAL DEPARTMENT / DIESEL ENGINE SERVICE DIVISION

for MITSUI—MAN B&W engine,

Recommendation for replacement of MAG-200, MAG-200II Governor		No.082	
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		CHECKED	K. Miyawaki
		PREPARED	J. Okada
ENGINE TYPE	MC / MC-C / MC-S	DATE	2014/2/25

The MAG-200 and the MAG-200II electronic control governors are produced by MSR (Mitsui Zosen System Research Inc.) for the diesel main engine. However it has become difficult to perform the periodic maintenance due to the discontinuation of the spare parts production.

We have taken great efforts to procure the maintenance parts since the production of the MAG-200 and MAG 200II finished in 2009 but unfortunately the final stock will run out in the year 2017. Even the brand-new electronic actuator complete units are no longer available.

If the MAG-200 or MAG-200II governors experience any malfunctions, they must be replaced with their successor; the MAG-200IIIa.

In addition, although the MAG-200, MAG-200II and MAG-200IIIa are all electronically controlled governors, the Servo-driver, which controls the governor actuators, are not interchangeable because of different signal systems. As a result, both the Servo-driver and the actuator must be replaced. Replacement of the bracket to fix the MAG-200, MAG-200II and MAG-200IIIa is unnecessary as these actuators are the same size.

We recommend the periodical maintenance of the actuator every 7.5 years (please refer to TECHNO NEWS; TN054), and if any of your vessels has not undergone maintenance, please take this opportunity to consider the replacement of the governor.

We very much appreciate your understanding under these circumstances and we would ask that you please consider early replacement of the MAG-200 and MAG-200II governors to MAG-200IIIa. The MAG-200 and MAG-200II are installed in vessels which were built from 1997 to 2009.

PRIORITY

IMMEDIATELY <input type="checkbox"/>	AT FIRST OPPORTUNITY <input type="checkbox"/>	WHEN CONVENIENT <input checked="" type="checkbox"/>	OTHERS <input type="checkbox"/>
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We would like to inform of the details of the parts replacement for the conversion work to MAG-200IIIa using the MAG200II as an example.

1. Configuration

1) ACTUATOR



Reduction gear

ABS encoder + Resolver sensor

MAG-200, MAG-200 II



Resolver sensor

MAG-200 IIIa

The size of ACTUATOR for each main engine types is as follows.

Engine type	Motor capacity	Reduction gear type
Below 50MC/MC-C	0.4 kW	T115
60~70MC/MC-C	0.8 kW	T25
80~90MC/MC-C	2.4 kW	T35
98MC/MC-C	2.6 kW	T45

*The size of ACTUATOR for each main engine types is the same as conventional model. The periodical maintenance (exchange interval) is every 7.5 years and this interval is same as conventional model, too.

3) SERVO DRIVER
①SERVO UNIT TYPE



SERVO DRIVER

Conventional



SERVO DRIVER

Modified

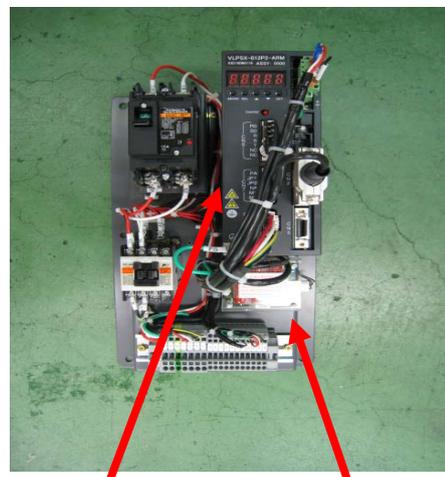
②SERVO PANEL TYPE



SERVO DRIVER

BATTERY

Conventional



SERVO DRIVER

BATTERY

Modified

If you have any questions or inquiries, or would like to place an order for the maintenance of the MAG-200/200II and replacement to the MAG-200IIIa governor, please contact our local sales office (MES Technoservice Co., Ltd.)

Please refer to Service note No.111 regarding our contact details including our overseas offices.