



TECHNO NEWS

MES TECHNOSERVICE CO., LTD.

TECHNICAL DEPARTMENT / DIESEL ENGINE SERVICE DIVISION

for MITSUI—MAN B&W engine, Recommendation for maintenance and replacement of MAG-200, MAG-200II Governor		No.0	
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ENGINE TYPE	MC / MC-C / MC-S	DATE	2014/2/25

Among MSR's (Mitsui Zosen System Research Inc.) products, the MAG-200 and the MAG-200II governors, these electronic control governors for the diesel main engine have become difficult to be undergone the periodic maintenance due to discontinuation of the spare parts production.

We have been striving for procuring the maintenance parts since production of MAG-200 and MAG 200II finished in 2009, however, the final stock will run out in year 2017. .

In case that the MAG-200 or MAG-200II governor has any abnormalities, it must be replaced with the successor; MAG-200IIIa.

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

We recommend periodical maintenance of the actuator every 7.5 years (please refer to TECNO NEWS; TN054), and if any of your vessels has been undergone no maintenance, please take this opportunity to consider the governor replacement.

We would appreciate your kind understanding on these circumstances and please consider an early replacement of MAG-200 and MAG-200II governors to MAG-200IIIa. The MAG-200 and MAG-200II are installed in vessels which were built since 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 MAG-200IIIa replacement point details as an example of MAG200II governors as below.

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

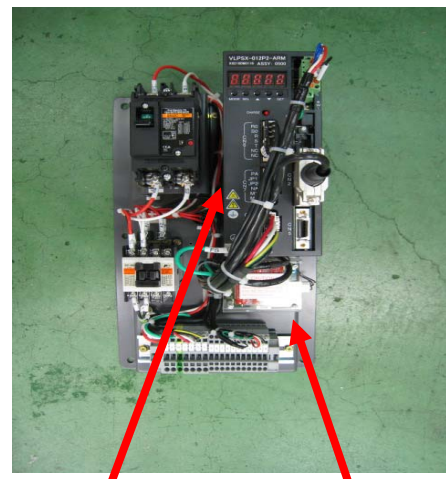
②SERVO PANEL TYPE



SERVO DRIVER

BATTERY

Conventional



SERVO DRIVER

BATTERY

Modified

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

Please refer to Service note No.111 regarding our contact details including over sea's office.