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MARINE SERVICE ADVISORY

Advisory Number: MSA2010-011

DATE: November 9, 2010
TO: All Marine Distributors and Dealers
SUBJECT: Update control system components
MODEL: 6LY3 Series Engines with ZF Gearbox

Please see the attached Global Technical Bulletin YMTQTB10-002.

Yanmar has found that a number of the i832X modules in the field have failed, particularly with the combination with the ZF gearboxes. This bulletin will explain Yanmars position and how to resolve the potential failure of the i832X box.

These harnesses are in stock at Yanmar in Adairsville, please contact a Marine Customer Service Rep to have them shipped at no charge.

If you have any questions regarding this advisory please contact a Customer Support Representative at (770) 877- 9894.

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GLOBAL TECHNICAL BULLETIN

Ref No: YMTQTB10-002
Date: November 9, 2010

To: All Yanmar Marine Distributors and Dealers
Model: 6LY3 Series Engines with ZF gearbox
Subject: Update control system components

1. Situation

Yanmar has found that a number of i832X modules in the field have failed, particularly in combination with ZF gearboxes. It has become clear that ZF has changed the design of the electric shift solenoid on their gearbox, and we have discovered that this new solenoid takes more current than the original design specification. In some case this can lead to failure of the i832X module.

2. Prevention

To prevent this kind of failure on 6LY3 engines with ZF gearboxes, we have designed an intermediate harness that should be installed in-between the i832X module and the engine harness. This intermediate-harness with 2 installed relays in the shifting solenoid circuit will prevent the i2-Module from damaging.

3. Service Parts Required

- 1 x 119578-77980 Intermediate harness
- 2 x 1E6910-82500 Relay CA-1A

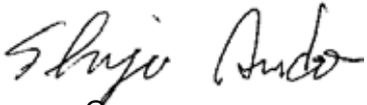
Please request the necessary parts to your applicable RHQ with information of engine model and serial number. The service parts will be supplied free of charge.

4. Accounting

Although the service parts are supplied for existing installations with ZF gearboxes free of charge, the problem is considered to have nothing to do with Yanmar product quality. Therefore, this program is not covered by warranty and Yanmar will not accept any warranty claims for labor charges.

5. Installation Instruction

Refer to the attachment.

Shuji. Ando, 
Manager, Overseas Group
Quality Assurance Department
Marine Operations Division, Yanmar Co., Ltd.



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Install the harness in-between engine harness and i832X module

Lightly fasten the additional harness by tie-wraps

Additional Circuit

