



YANMAR[®]

JH4 **series**

SERVICE MANUAL

3JH4E
4JH4AE
4JH4-TE
4JH4-HTE

P/N: 0BJH4-G00102

MARINE
ENGINES

This *Service Manual* has been developed for the exclusive use of service and repair professionals such as Yanmar authorized Distributors and Yanmar authorized Dealers. It is written with these professionals in mind and may not contain the necessary detail or safety statements that may be required for a non-professional to perform the service or repair properly and / or safely. Please contact an authorized Yanmar repair or service professional before working on your Yanmar product.

Disclaimers:

All information, illustrations and specifications in this manual are based on the latest information available at the time of publishing. The illustrations used in this manual are intended as representative reference views only. Moreover, because of our continuous product improvement policy, we may modify information, illustrations, and / or specifications to explain and / or exemplify a product, service, or maintenance improvement. We reserve the right to make any change at any time.

Yanmar and **YANMAR** are registered trademarks of Yanmar Co., Ltd. in Japan, the United States and / or other countries.

All Rights Reserved:

No part of this publication may be reproduced or used in any form by any means - graphic, electronic, or mechanical, including photocopying, recording, taping, or information storage and retrieval systems - without the written permission of Yanmar Marine International.

© 2007 Yanmar Marine International

0707

**California
Proposition 65 Warning**

Diesel engine exhaust and some of its constituents are known to the state of California to cause cancer, birth defects, and other reproductive harm.

**California
Proposition 65 Warning**

Battery posts, terminals, and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm.
Wash hands after handling.

TABLE OF CONTENTS

| | Page |
|-----------------------------------|------|
| Introduction | 1-1 |
| Safety..... | 2-1 |
| General Service Information | 3-1 |
| Periodic Maintenance | 4-1 |
| Engine | 5-1 |
| Fuel System | 6-1 |
| Cooling System | 7-1 |
| Lubrication..... | 8-1 |
| Turbocharger..... | 9-1 |
| Starter Motor..... | 10-1 |
| Alternator | 11-1 |
| Electrical | 12-1 |
| Troubleshooting..... | 13-1 |

TABLE OF CONTENTS

| | |
|------------------------|------|
| Service Standards..... | 14-1 |
|------------------------|------|

Section 1

INTRODUCTION

This manual gives specific instructions for the proper repair of Yanmar JH4 series marine engines.

Please follow the procedures carefully to ensure quality service.

Yanmar recommends that you read this *Service Manual* completely before starting repairs.

Along with standard tools, Yanmar recommends the use of special tools necessary to perform repairs correctly.

Yanmar products are continuously undergoing improvement. This *Service Manual* has been checked carefully in order to avoid errors. However Yanmar is not liable for any misrepresentations, errors of description or omissions. Contact an authorized Yanmar marine dealer or distributor for any questions you have regarding this *Service Manual*.

**Thank you very much
for your reading.**

**Please click here and go
back to our website.**

**Then, you can
download the complete
manual instantly.**

No waiting.