RETOUR

YAMAHA



DE-DHD

E

STERN DRIVE SERVICE MANUAL

070027

6U3-28197-ZH-11

NOTICE

This manual has been prepared by Yamaha primarily for use by Yamaha dealers and their trained mechanics when performing maintenance procedures and repairs to Yamaha equipment. It has been written to suit the needs of persons who have a basic understanding of the mechanical and electrical concepts and procedures inherent in the work, for without such knowledge attempted repairs or service to the equipment could render it unsafe or unfit for use.

Because Yamaha has a policy of continuously improving its products, models may differ in detail from the descriptions and illustrations given in this publication. Use only the latest edition of this manual. Authorized Yamaha dealers are notified periodically of modifications and significant changes in specifications and procedures, and these are incorporated in successive editions of this manual.

STERN DRIVE
SERVICE MANUAL
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1st Edition, November 2005
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HOW TO USE THIS MANUAL

MANUAL FORMAT

This manual provides the mechanic with descriptions of the operations of disassembly, repair, assembly and inspection, each of which is presented in a sequential, step-by-step procedure.

To assist you in finding your way around this manual, the section title and major heading is given at the head of each page.

A table of contents is provided on the first page of each section.

ILLUSTRATIONS

Some illustrations in this manual may differ from the model you have. This is because a procedure described may relate to several models, though only one is illustrated. (The name of the model described will be mentioned in the description).

To help you identify components and understand the correct procedures of disassembly and assembly, exploded diagrams are provided. Steps in the procedure are numbered: 1), 2), 3). Parts shown in the illustrations are identified as: ①, ②, ③.

REFERENCES

These have been kept to a minimum. References to other sections of the manual include the relevant page number.

WARNINGS, CAUTIONS AND NOTES

Attention is drawn to the various warnings, cautions and notes that distinguish important information in this manual in the following ways.

⚠ The Safery Alert Symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED!

⚠ WARNING

Failure to follow WARNING instructions could result in severe injury or death to the marine vehicle operator, a bystander, or a person inspecting or repairing the Stern Drive.

CAUTION:

A CAUTION indicates special precautions that must be taken to avoid damage to the Stern Drive.

NOTE:

A NOTE provides key information to make procedures easier or clearer.

CONSTRUCTION OF THIS MANUAL

This manual consists of chapters for the main categories of subjects. (See “Symbols” on the next page.)

1st title ① : This is a chapter with its symbol on the upper right of each page.
2nd title ② : This title appears on the top of each page, to the left of the chapter symbol.
3rd title ③ : This title appears only in the chapter “Periodic inspection and adjustment”.

All the procedures in this manual are organized in a sequential, step-by-step order. The information has been compiled to provide the mechanic with an easy-to-read, handy reference that contains comprehensive explanations of all disassembly, inspection, repair, and assembly procedures.

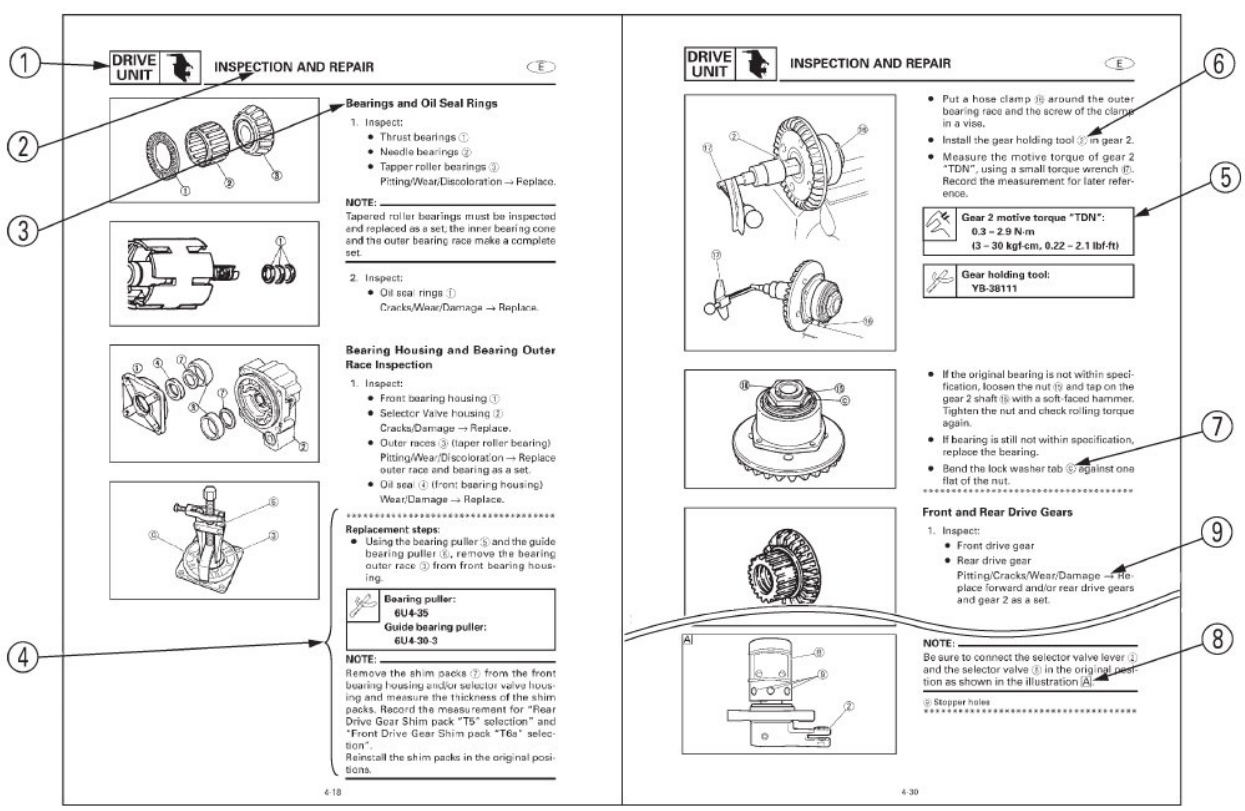
A particularly important procedure ④ is framed by two lines of asterisks “*” and each step of the procedure is preceded by “ ● ”.

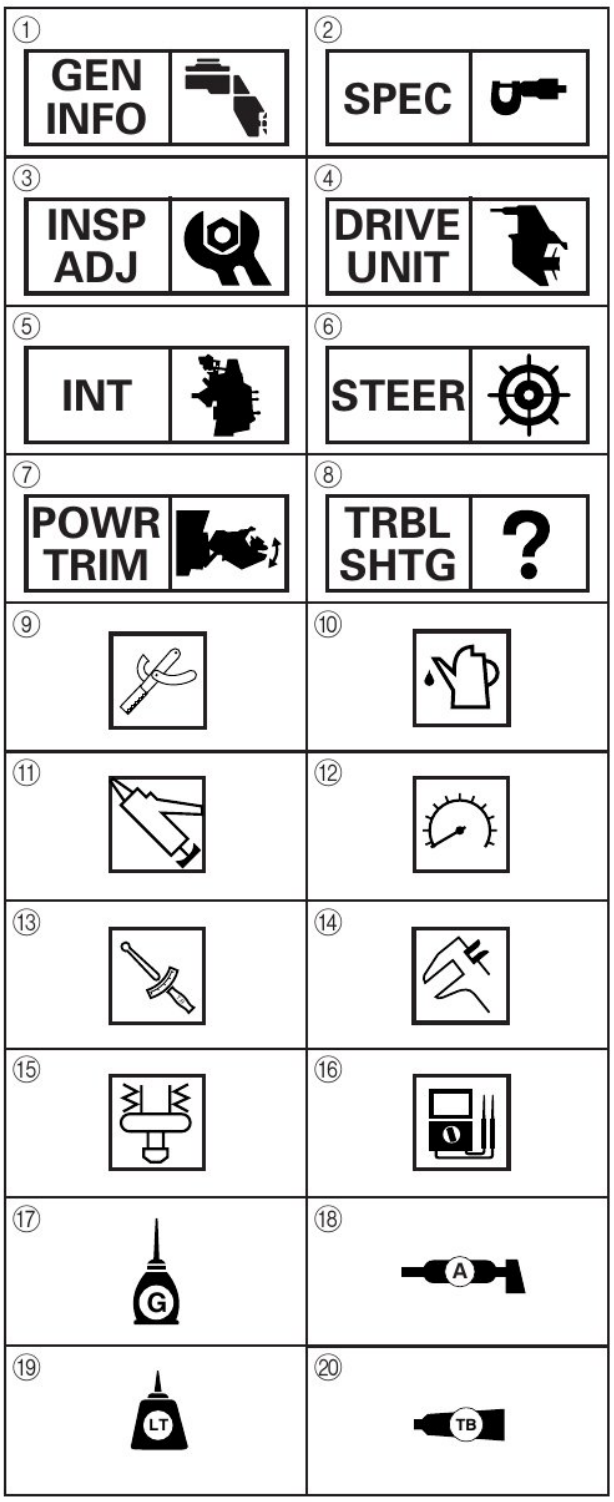
IMPORTANT FEATURES

- Important engine data and information about special tools are framed in a box together with an illustrative symbol ⑤.
- A circled numeral ⑥ indicates a part name. A circled lower case letter indicates data or an alignment mark ⑦. Illustrations are sometimes labeled with an upper case letter ⑧.
- An arrow ⑨ indicates the course of action required to remedy the stated condition of a component.

EXPLODED DIAGRAM

Each chapter begins with exploded diagrams which facilitate correct disassembly and assembly.





SYMBOLS

Symbols ① to ⑧ are designed as thumb-tabs and indicate the content of a chapter.

① General information
② Specification
③ Periodic inspection and adjustment
④ Drive unit assembly
⑤ Intermediate assembly
⑥ Steering system
⑦ Power trim system
⑧ Troubleshooting

Symbols ⑨ to ⑯ indicate specific information:

⑨ Special tool
⑩ Recommended fuel
⑪ Lubricant
⑫ Engine speed
⑬ Tightening torque
⑭ Specified value, measure, limit
⑮ Press load
⑯ Resistance (Ω), voltage (V), electric current (A)

Symbols ⑰ and ⑱ in an exploded diagram indicate grade of lubricant and location of lubrication point:

⑰ Apply Yamaha gear-case lubricant
⑱ Apply water resistant grease (Yamaha marine grease A, D)

⑲ Apply LOCTITE® No.271, 242, 572,1829 or 1501
⑳ Apply Three Bond® 1322, 1324, 1524 or 1501

NOTE:

Some of the above symbols may not appear in this manual.

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CHAPTER 1
GENERAL INFORMATION

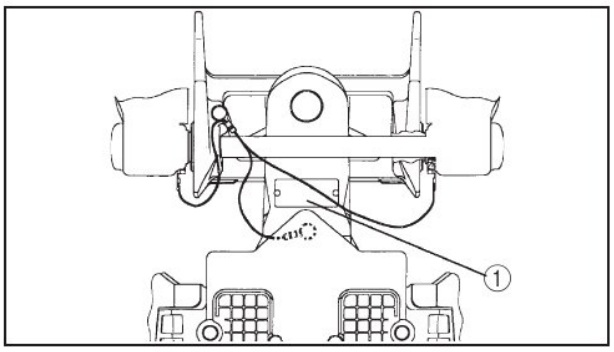
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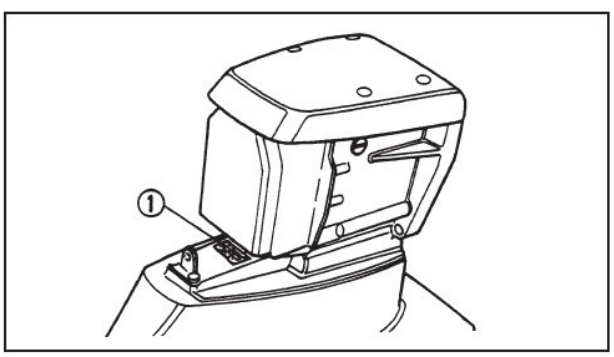
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OUTDRIVE IDENTIFICATION

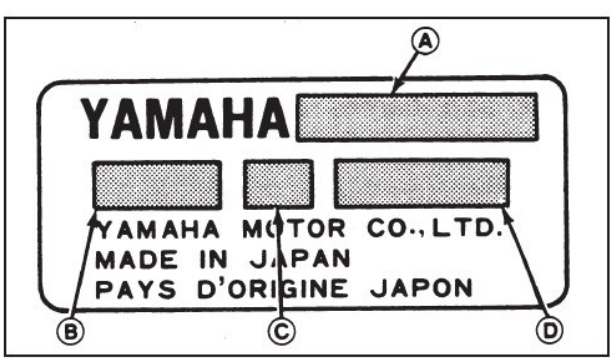
Intermediate Assembly

The model and serial number plate ① is located on the bottom surface of the intermediate housing.



Drive Unit

The model and serial number plate ① is located on the upper case of the drive unit.
The different models can be identified by checking the model and serial number plate and using the following plate.

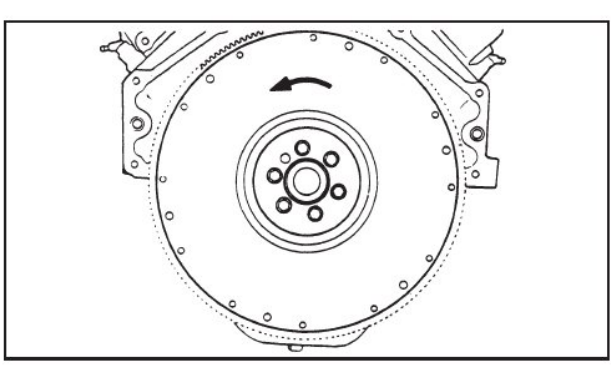


MODEL Ⓐ	PREFIX Ⓑ	VARIATION* Ⓒ	SERIAL NO. Ⓓ
INT-HDP	6U00	DP	① *******
INT-HDL	6U00	DL	
DE-DHD8D	6U3	A	② *******

① Intermediate Assembly
② Drive Unit

*Code Explanation:
A–1.50:1 Gear Ratio
P–Power Steering
L–Left Rotation
D–For Diesel Model

NOTE:
INT-HDP 6U0 DP *******
INT-HDL 6U0 DL *******



Propeller and Engine Rotation

DO NOT rely on propeller rotation to be in the same direction as engine rotation.
Engine rotation is determined by looking at the flywheel end of the engine. The Yamaha engines covered in this manual rotate counterclockwise to the left as viewed from the flywheel.

APERÇU — Engine Manual — fichier complet disponible après achat