

SHOP MANUAL

UTOPIA



Shop Manual

2001 UTOPIA 185

(5444/5451/5452/5453/5454/5456/5457/5458/5496/5497/5498/5499)

2002 UTOPIA 185

(5462/5464/5466/5475/5476/5477/5478/5479/5480)

2002 UTOPIA 205

(5745/5746/5747/5748/5749/5750)





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TABLE OF CONTENTS

SECTION		SUBSECTION	PAGE
SAFETY NOTICE			
INTRODUCTION			III
01	SERVICE TOOLS AND PRODUCTS	01 – Table of Contents	01-01-1 01-02-1 01-03-1
02	MAINTENANCE	01 – Table of Contents	02-01-1 02-02-1 02-03-1 02-04-1
03	ENGINE	01 – Table of Contents	
04	FUEL SYSTEM	01 – Table of Contents	04-01-1 04-02-1
05	ELECTRICAL SYSTEM	01 – Table of Contents	05-01-1 05-02-1 05-03-1
06	STEERING SYSTEM	01 – Table of Contents	06-01-1 06-02-1 06-03-1
07	HULL/DECK	01 – Table of Contents	07-01-1 07-02-1 07-03-1
08	TECHNICAL DATA		08-01-1
09	WIRING DIAGRAM		09-01-1

LMR2002-001_00-02A.FM

SAFETY NOTICE

SAFETY NOTICE

This manual was primarily published to be used by sport boat mechanic technicians trained by the manufacturer who are already familiar with all service and maintenance procedures relating to Bombardier made Sea-Doo sport boats. Mechanic technicians should attend continuing training courses given by Bombardier Training Dept.

Please note that the instructions will apply only if proper hand tools and special service tools are used.

It is understood that this manual may be translated into local language upon certain conditions and furthermore agreed that in the event of any discrepancy among the two versions, the English version shall prevail.

The content depicts parts and/or procedures applicable to the particular product at time of writing. *Service* and *Warranty Bulletins* may be published to update the content of this manual. Make sure to read and understand these.

The use of Bombardier parts is most strongly recommended when considering replacement of any component. Dealer and/or distributor assistance should be sought in case of doubt.

Torque wrench tightening specifications must be strictly adhered to. Locking devices (ex.: locking tab, self-locking fasteners, etc.) must be installed or replaced with new ones. If the efficiency of a locking device is impaired, it must be renewed.

This manual emphasizes particular information denoted by the following wording and symbols:

<u>∧</u> WARNING

Identifies an instruction which, if not followed, could cause serious personal injury including possibility of death.

CAUTION: Denotes an instruction which, if not followed, could severely damage boat components.

NOTE: Indicates supplementary information needed to fully complete an instruction.

Although the mere reading of such information does not eliminate the hazard, your understanding of the information will promote its correct use. Always use common shop safety practice.

Bombardier Inc. disclaims liability for all damages and/or injuries resulting from the improper use of the contents. We strongly recommend that any services be carried out and/or verified by a highly skilled professional technician. It is understood that certain modifications may render use of the boat illegal under existing federal, provincial and state regulations.

II LMR2002-001_00-02A.FM

This *Shop Manual* covers the following BOMBARDIER made SEA-DOO® sport boat:

- 2001/2002 Utopia 185
- 2002 Utopia 205

MAXIMUM BOAT CAPACITY

Depending on model, the sport boat maximum capacity label can be found on RH or LH side of operator position.



UTOPIA 185 CAPACITY LABEL LOCATION



UTOPIA 205 CAPACITY LABEL LOCATION

HULL IDENTIFICATION NUMBER (H.I.N.)

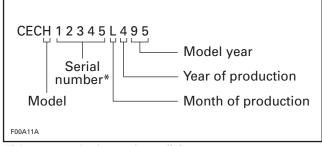
The Hull Identification Number (H.I.N.) is located at right hand rear side of hull.



TYPICAL

1. Hull Identification Number (H.I.N.)

Refer to the next illustration for a description of the serial number.



*A letter may also be used as a digit.

CEC indicates that boats are manufactured in USA.

LMR2002-001_00-02A.FM

ENGINE IDENTIFICATION NUMBER (E.I.N.)

Refer to Mercury Marine (M2) Jet Drive Operator's Guide.

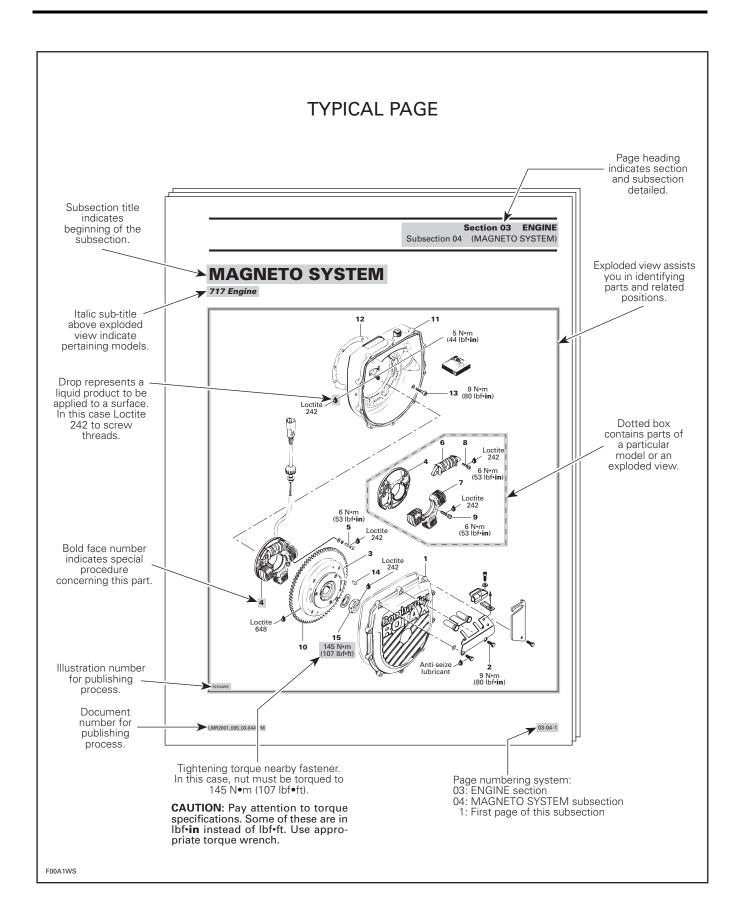
ARRANGEMENT OF THIS MANUAL

The manual is divided into 9 major sections:

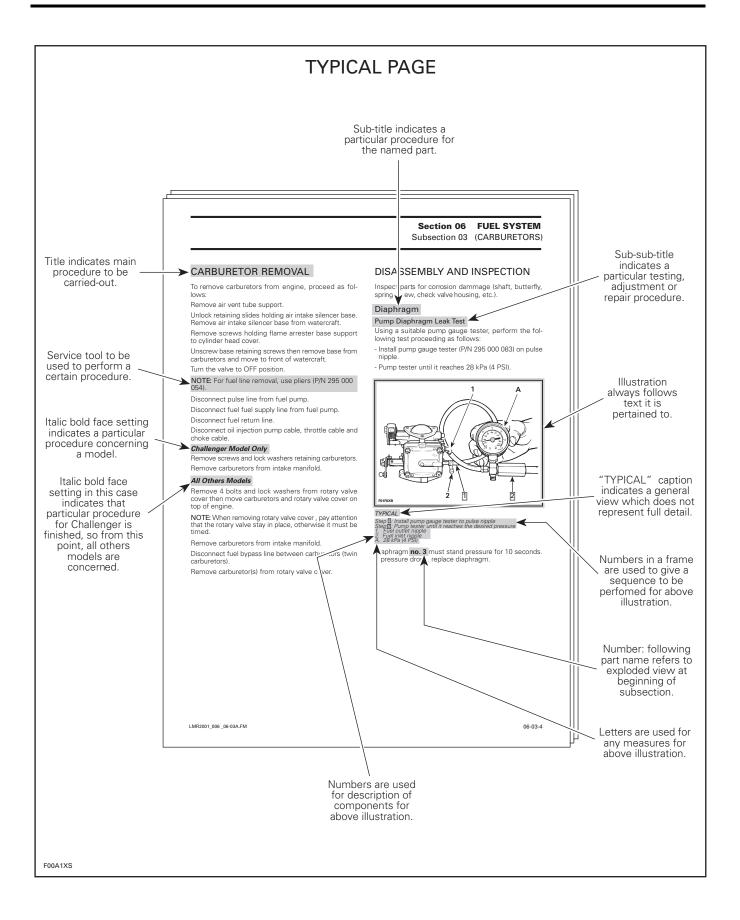
- 01 SERVICE TOOLS AND PRODUCTS
- 02 MAINTENANCE
- 03 ENGINE
- 04 FUEL SYSTEM
- 05 ELECTRICAL SYSTEM
- **06 STEERING SYSTEM**
- 07 HULL/DECK
- 08 TECHNICAL DATA
- 09 WIRING DIAGRAMS

Each section may be divided in various subsections, and again, each subsection have one or more division.

IV



LMR2002-001_00-02A.FM V



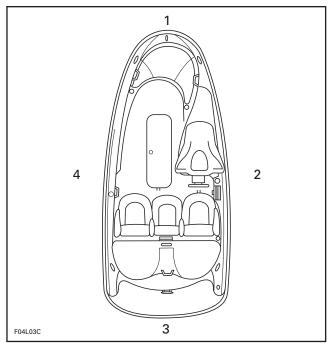
VI LMR2002-001_00-02A.FM

LIST OF ABBREVIATIONS USED IN THIS MANUAL

AC	Alternative Current
Ass'y	Assembly
CDI	Capacitor Discharge Ignition
DC	Direct Current
E.I.N	Engine Identification Number
H.I.N.	Hull Identification Number
НР	Horsepower
LH	Left Hand side (port)
MAG	Magneto
N.A.	Not Applicable
P/N	Part Number
PTO	Power Take Off
RFI	Radio-Frequency Interference
RH	Right Hand side (starboard)
RPM	Revolution Per Minute
SAE	Society of Automotive Engineering
T.I.G.	Tungsten Inert Gas
Vac	Volt, Alternative Current
Vdc	Volt, Direct Current

GENERAL INFORMATION

In marine industry, PORT, STARBOARD, BOW and STERN are used to refer to LEFT, RIGHT, FRONT and REAR respectively. They always refer to the operator's position sitting in boat.



TYPICAL

- 1. BOW (front)
- 2. STARBOARD (RH)
- 3. STERN (rear)
- 4. PORT (LH)

The information and component/system descriptions contained in this manual are correct at time of publication. Bombardier Motor Corporation of America (B.M.C.A.), however, maintains a policy of continuous improvement of its products without imposing upon itself any obligation to install them on products previously manufactured.

Because of our ongoing commitment to product quality and innovation, Bombardier Inc. reserves the right at any time to discontinue or change specifications, designs, features, models or equipment without incurring obligation.

This *Shop Manual* uses technical terms which may be different from the ones of the *Parts Catalogs*.

When ordering parts always refer to the specific model *Parts Catalogs*.

LMR2002-001_00-02A.FM VII

ILLUSTRATIONS AND PROCEDURES

The illustrations in this document show the typical construction of the different assemblies and, in all cases, may not reproduce the full detail or exact shape of the parts shown. However, they represent parts which have the same or a similar function.

CAUTION: These boats are designed with parts dimensioned in both the metric and the imperial systems. When replacing fasteners, make sure to use only those recommended by Bombardier. Mismatched or incorrect fasteners could cause damage to the boat or possible personal injury.

As many of the procedures in this manual are interrelated, we suggest, that before undertaking any task, you read and thoroughly understand the entire section or subsection in which the procedure is contained.

A number of procedures throughout the book require the use of special tools. Before commencing any procedure, be sure that you have on hand all the tools required, or approved equivalents.

Technical Publications Bombardier Inc. Valcourt (Quebec), Canada

VIII