

SEA-DOO®

JET BOATS



1999 SHOP MANUAL

Volume 2

219 100 099

SPEEDSTER/SK

TABLE OF CONTENTS

| SECTION | SUBSECTION | PAGE |
|---------------------|---|---------|
| SAFETY NOTICE | | III |
| WHAT'S NEW | | IV |
| INTRODUCTION | | VI |
| 01 | SERVICE TOOLS AND PRODUCTS | |
| | 01 – Table of Contents | 01-01-1 |
| | 02 – Service Tools | 01-02-1 |
| | 03 – Service Products | 01-03-1 |
| 02 | MAINTENANCE | |
| | 01 – Table of Contents | 02-01-1 |
| | 02 – Periodic Inspection Chart | 02-02-1 |
| | 03 – Flushing and Lubrication | 02-03-1 |
| | 04 – Water-Flooded Engine | 02-04-1 |
| | 05 – Storage | 02-05-1 |
| 03 | TROUBLESHOOTING | |
| | 01 – Table of contents | 03-01-1 |
| | 02 – Troubleshooting | 03-02-1 |
| | 03 – Flow Chart | 03-03-1 |
| 04 | ENGINE | |
| | 01 – Table of Contents | 04-01-1 |
| | 02 – Leak Test | 04-02-1 |
| | 03 – Removal and Installation | 04-03-1 |
| | 04 – Magneto System | 04-04-1 |
| | 05 – Top End | 04-05-1 |
| | 06 – Bottom End | 04-06-1 |
| | 07 – Rotary Valve | 04-07-1 |
| | 08 – Exhaust System | 04-08-1 |
| 05 | COOLING SYSTEM | |
| | 01 – Table of Contents | 05-01-1 |
| | 02 – Components | 05-02-1 |
| | 03 – Circuit | 05-03-1 |
| 06 | FUEL SYSTEM | |
| | 01 – Table of Contents | 06-01-1 |
| | 02 – Fuel Circuit | 06-02-1 |
| | 03 – Air Intake | 06-03-1 |
| | 04 – Carburetors | 06-04-1 |
| 07 | LUBRICATION SYSTEM | |
| | 01 – Table of Contents | 07-01-1 |
| | 02 – Oil Injection Reservoir | 07-02-1 |
| | 03 – Oil Injection Pump | 07-03-1 |
| 08 | ELECTRICAL | |
| | 01 – Table of Contents | 08-01-1 |
| | 02 – Overview | 08-02-1 |
| | 03 – Ignition System | 08-03-1 |
| | 04 – Spark Plugs | 08-04-1 |
| | 05 – The DESS (Digitally Encoded Security System) | 08-05-1 |
| | 06 – MPEM (Multi-Purpose Electronic Module) | 08-06-1 |
| | 07 – Charging System | 08-07-1 |
| | 08 – Starting System | 08-08-1 |
| | 09 – Instruments and Accessories | 08-09-1 |

TABLE OF CONTENTS

| SECTION | SUBSECTION | PAGE |
|--------------------------------|--|-------------|
| 09 PROPULSION SYSTEM | 01 – Table of Contents..... | 09-01-1 |
| | 02 – Jet Pump..... | 09-02-1 |
| | 03 – Drive System | 09-03-1 |
| | 04 – Reverse System..... | 09-04-1 |
| | 05 – Weedless System..... | 09-05-1 |
| 10 STEERING SYSTEM | 01 – Table of Contents..... | 10-01-1 |
| | 02 – Steering System | 10-02-1 |
| | 03 – Alignment..... | 10-03-1 |
| | 04 – Throttle/Shifter Controller | 10-04-1 |
| 11 HULL/DECK | 01 – Table of Contents..... | 11-01-1 |
| | 02 – Components | 11-02-1 |
| | 03 – Repair..... | 11-03-1 |
| | 04 – Painting | 11-04-1 |
| 12 TECHNICAL DATA..... | | 12-01-1 |
| 13 WIRING DIAGRAMS..... | | 13-01-1 |

INTRODUCTION

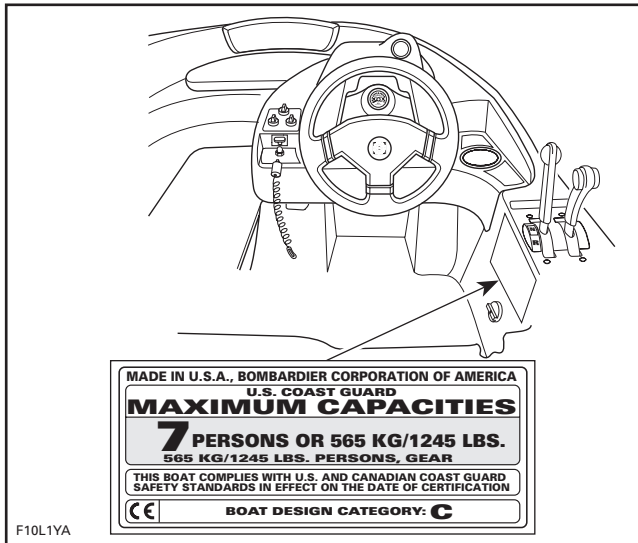
INTRODUCTION

This *Shop Manual* covers the following BOMBARDIER made SEA-DOO® Jet Boat.

| MODEL | MODEL NUMBER |
|--------------|--------------|
| Speedster | 5678 |
| Speedster SK | 5677/5681 |

MAXIMUM BOAT CAPACITY

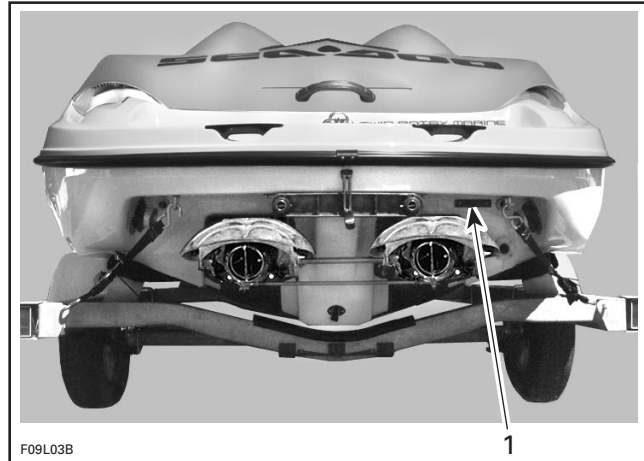
The jet boat maximum capacity can be found on RH side of operator position.



TYPICAL

HULL IDENTIFICATION NUMBER (H.I.N.)

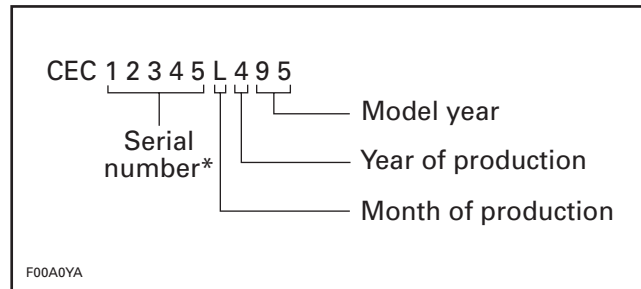
The Hull Identification Number (H.I.N.) is located at right hand rear side of hull.



TYPICAL

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

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



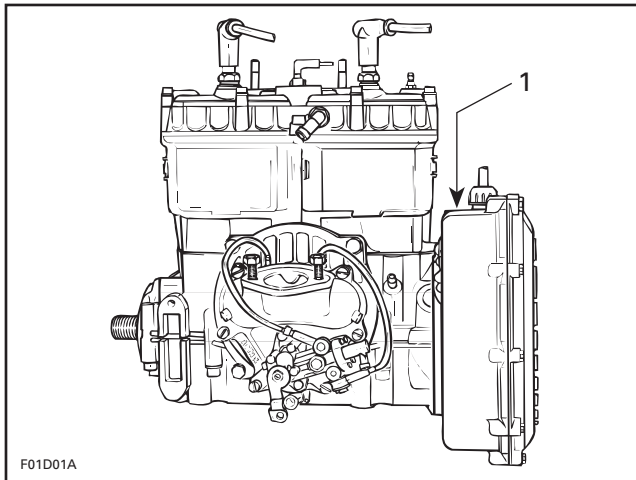
*A letter may also be used as a digit.

CEC indicates that boats are manufactured in USA.

ENGINE IDENTIFICATION NUMBER (E.I.N.)

717 Engine

E.I.N. is located on the upper side of the magneto housing.

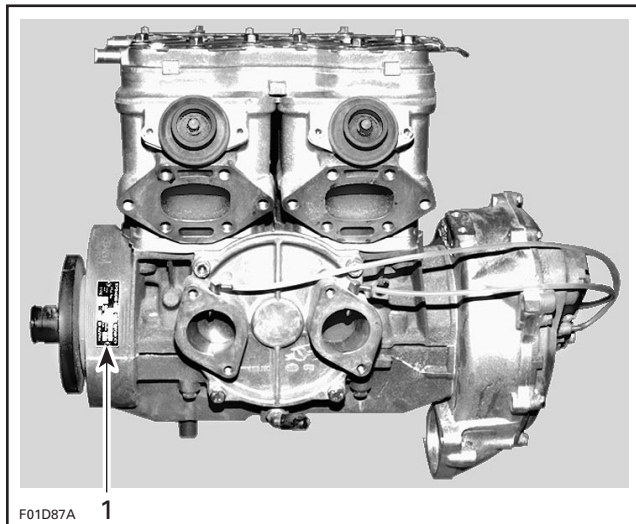


TYPICAL — 717 ENGINE

1. Engine Identification Number (E.I.N.)

787 Engine

E.I.N. is located on crankcase PTO side.



TYPICAL — 787 ENGINE

1. Engine Identification Number (E.I.N.)

ARRANGEMENT OF THIS MANUAL

The manual is divided into 13 major sections:

- 01 SERVICE TOOLS AND PRODUCTS
- 02 MAINTENANCE
- 03 TROUBLESHOOTING
- 04 ENGINE
- 05 COOLING SYSTEM
- 06 FUEL SYSTEM
- 07 LUBRICATION SYSTEM
- 08 ELECTRICAL
- 09 PROPULSION SYSTEM
- 10 STEERING SYSTEM
- 11 HULL/DECK
- 12 TECHNICAL DATA
- 13 WIRING DIAGRAMS

Each section is divided in various subsections, and again, each subsection has one or more division. A table of contents is included at the beginning of most sections.



Download the full PDF manual instantly.

Our customer service e-mail:

aservicemanualpdf@yahoo.com