

SEA KING 3.5 AND 4 HP

Year Produced	3.5 hp	4 hp
1978	----	52004
1979	----	52004A
1980	----	52004B
1981	52003	52004C
1982	----	52004D
1983	----	52004
1984	----	52004

CONDENSED SERVICE DATA

TUNE-UP

Hp/rpm	3.5/4500
Bore - Inches	2
Stroke - Inches	1-19/32
Number of Cylinders	1
Displacement - Cu. In.	5.0
Compression at Cranking Speed (Average, with recoil starter)	110-125 psi
Spark Plug:	
Champion	L86
Electrode gap	0.030
Magnetoc:	
Breaker point gap	0.020 in.
Fuel-Oil Ratio	50:1

TIGHTENING TORQUES

(All Values in Inch-Pounds)

Connecting Rod	75-85
Cylinder Head	130
Flywheel nut	204
Main Bearing Bolts	70
Spark Plug	120-180
Standard Screws:	
6-32	9
10-24	30
10-32	35
12-24	45
¼-20	70
5/16-18	160
¾-16	270

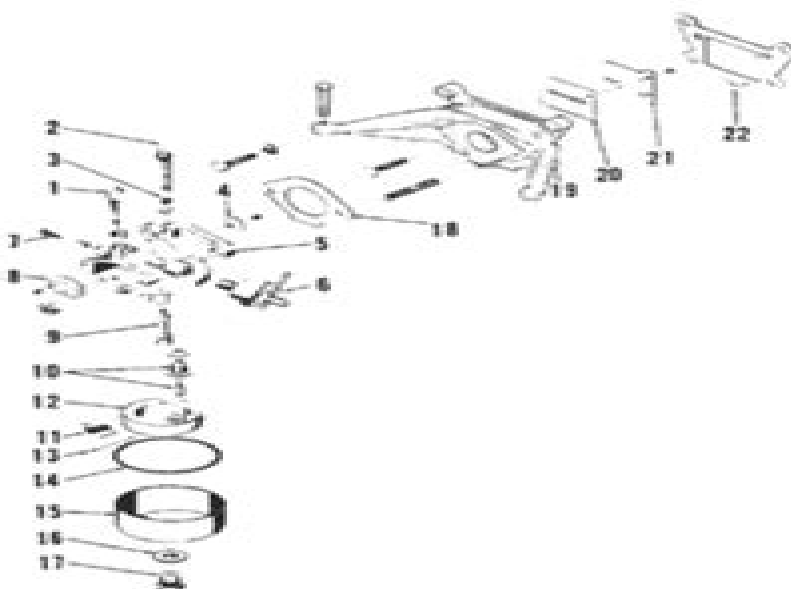


Fig. SK6-1 - Exploded view of carburetor.

1. Choke shaft
2. Throttle shaft
3. Spring
4. Throttle plate
5. Carb. body
6. Fuel valve
7. Idle mixture screw
8. Choke plate
9. Needle
10. Fuel inlet valve
11. Float spring
12. Float
13. Float pin
14. Gasket
15. Float bowl
16. Washer
17. High speed jet
18. Gasket
19. Intake manifold
20. Bleed petcock
21. Bleed plug
22. Gasket

LUBRICATION

The power head is lubricated by oil mixed with the fuel. One-sixth (1/6) pint of two-stroke engine oil should be mixed with each gallon of gasoline. Manufacturer recommends use of no-lead automotive gasoline although regular or premium grade gasoline may be used if octane rating is 85 or higher. Gasoline and oil should be thoroughly mixed.

The lower unit gears and bearings are lubricated by oil contained in the gearcase. Manufacturer recommends Chrysler Outboard Gear Lube for use in gearcase. The gearcase should be drained and refilled every 100 hours or once each year, and fluid maintained at the level of the upper (vent) plug hole.

FUEL SYSTEM

CARBURETOR. Refer to Fig. SK6-1 for an exploded view of carburetor. Initial setting of idle mixture screw (7) is one turn open. High speed mixture is controlled by high speed jet (17). Adjust idle speed so engine idles at 800-1200 rpm.

Sea King Outboard Manual

Judd E. Hollander



Sea King Outboard Manual:

Boating ,1960-01 **Boating** ,1961-01 **Outboard Motor Service Manual: Motors below 30 hp** ,1979 **The Sea Scout Manual** Boy Scouts of America,1929 **Outboard Motor Service Manual** Intertec Publishing,1987 Detailed tips on periodic servicing troubleshooting general maintenance and repair are explicitly outlined in this manual Repair is easy with the specifications and step by step repair procedures included for hundreds of models Volume II covers models with 30hp and above Field & Stream ,1972-12 FIELD STREAM America s largest outdoor sports magazine celebrates the outdoor experience with great stories compelling photography and sound advice while honoring the traditions hunters and fishermen have passed down for generations *Navy Comptroller Manual* United States. Navy Department. Office of the Assistant Secretary (Financial Management and Comptroller),1998 **Popular Science** ,1963-03 Popular Science gives our readers the information and tools to improve their technology and their world The core belief that Popular Science and our readers share The future is going to be better and science and technology are the driving forces that will help make it better

The Publishers' Trade List Annual ,1985 **Boating** ,1962-01 Field Manual United States. Department of the Army,1944 **Popular Mechanics** ,1974-03 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle American Merchant Seaman's Manual William B. Hayler,2009-07-06 The Merchant Marine is composed of all the commercial ships of a country and the personnel that man them The American Merchant Seaman s Manual has been the primary seamanship text and reference book for the American Merchant Marine for more than sixty years Merchant mariners going to sea for the first time need to know as much about their new job their ship the sea and the Merchant Marine as they can This manual is designed to provide the knowledge that these new seamen need to embark upon their careers at sea Since the sixth edition was published in 1981 many changes have been made in each new printing Changes in this new edition include A new chapter on Standards of Training Certification and Watchkeeping for Seafarers Data on merchant fleets throughout the world A revised chapter on wire rope A bibliography for sources of additional reading Popular Mechanics ,1958-03 Popular Mechanics inspires instructs and influences readers to help them master the modern world Whether it s practical DIY home improvement tips gadgets and digital technology information on the newest cars or the latest breakthroughs in science PM is the ultimate guide to our high tech lifestyle **MotorBoating** ,1964-01 **Sports Afield** ,1960 *The Rudder* Thomas Fleming Day,1976 The Rudder ,1976 *Boating* ,1959-01 Montgomery Ward Montgomery Ward,1959

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