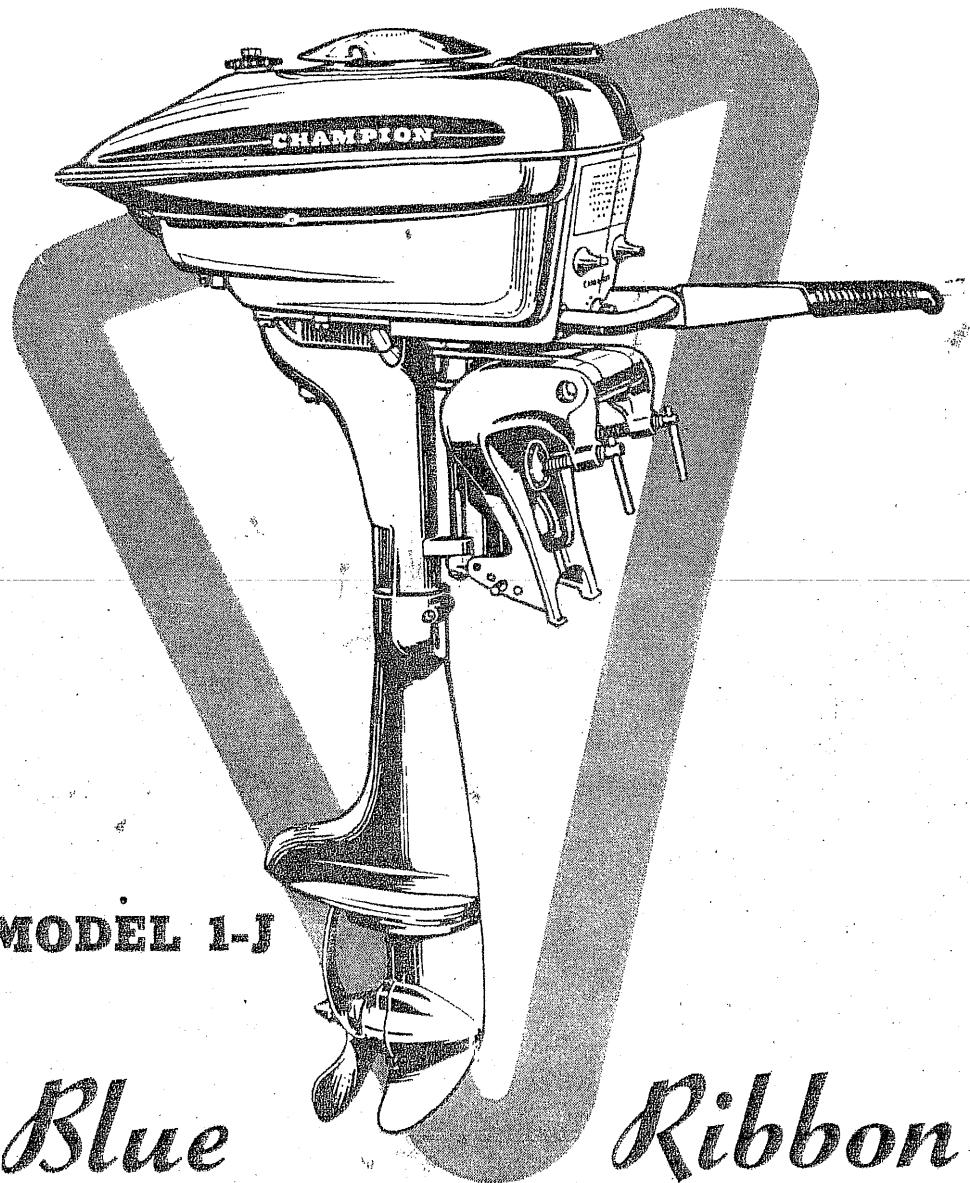


THE  
*New*

**1947**



MODEL 1-J

*Blue Ribbon*  
**CHAMPION**

OPERATING INSTRUCTIONS  
and REPLACEMENT PARTS

1947

## BLUE RIBBON

# CHAMPION OUTBOARD MOTOR



You are now the owner of a new Blue Ribbon Champion outboard motor. This new creation was especially designed to give you positive start-ability, with a smooth, flexible flow of power at all speeds. Every part in this motor has been precision built, many to a dimension of plus or minus two ten thousandths of one inch (.0002). The finest materials are used in building this Blue Ribbon Champion. Mechanically this motor will give you many years of pleasant satisfaction.

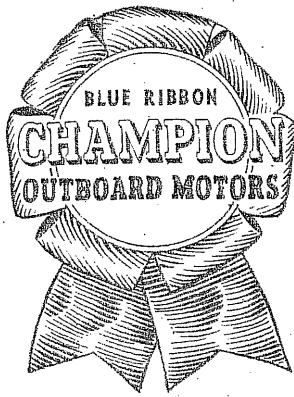
*It's America's Great Outboard Motor!*



**Champion Motors Company**

1433 Stinson Boulevard

Minneapolis 13, Minnesota



# 1947

# BLUE RIBBON

# CHAMPION OUTBOARD MOTOR

## MODEL 1J

### OPERATING INSTRUCTIONS

1. Open gas tank shut-off. Open gas cap vent screw about three turns.
2. Open high speed adjustment valve to 6 or 7 when motor is cold.
3. Set control arm to the START position marked on gas tank.
4. Coil starting cord clockwise on starting plate.
5. Push down on CHOKE lever and hold down while pulling starter cord.
6. After motor starts, move magneto lever to the right for high speed; slowly close needle valve until motor runs smoothly.
7. Should motor slow down after starting, choke quickly once or twice.
8. To stop motor, move magneto lever to the left or STOP position.
9. To adjust the SLOW SPEED screw, set magneto lever at SLOW position, and adjust screw to right or left until motor runs smoothly. After this adjustment is made, it never need be changed. Same has no effect on high speed operation.

### LUBRICATION INSTRUCTIONS

The most important factor in the operation of any internal combustion engine is proper lubrication. Properly lubricate your motor and you will enjoy many years of highly satisfactory service. Improper lubrication can result in nothing but premature wear and unnecessary expense.

Your new Blue Ribbon Champion motor is a two cycle engine and lubrication of the piston, cylinder, connecting rod, and crank shaft bearings is supplied by oil mixed with gasoline. The proportions of this mixture are very important. Also, the grades of gasoline and oil are equally important.

Clear gasoline or oil should never be poured into the gas tank. Thorough mixing should be done in a separate clean container.

### LUBRICANT RECOMMENDED

We recommend the use of any high grade S.A.E. 30 motor oil which will mix readily with gasoline. Mix this oil with any regular grade of gasoline. Mix  $\frac{3}{4}$  pint of S.A.E. 30 motor oil to one gallon of gasoline for normal operation. For trolling over long periods of time, mixture can be reduced to  $\frac{1}{2}$  pint of oil to each gallon of gasoline.

## AFTER STARTING MOTOR

With your motor started, your boat is on its way, and holding it on its course becomes a pleasure only a CHAMPION owner will know. Since you have set the main needle valve, you need pay no more attention to it. To regulate your speed, move the magneto lever to the right for increasing speed or to the left for decreasing speed. The synchronized control takes care of the throttle lever automatically for you.

## SPARK PLUG ADJUSTMENT

Although the spark plug is adjusted before the motor leaves the factory, the adjustment may change from continued use or when the plug is removed for cleaning. The correct adjustment is a gap separation of .030 inch.

## GREASING LOWER UNIT

Outside of mixing the lubrication in the form of motor oil in your gasoline, there is very little else for you to do. However, there is one more important lubrication requirement which must be attended to, that is to keep the lower unit gear-housing filled with any high grade outboard gear lubricant. You should inspect the lower unit at least once every month, and oftener in the event the motor is in constant use.

To fill the lower unit with grease, remove the aluminum grease plug located in the bottom of the lower unit cap, then remove the air vent screw located near the top of the cap. Fill the gear housing with the lubricant to full capacity. Replace grease plug screw and air vent screw.

Outboard gear lubricant is usually supplied in handy tube form which fits the grease opening and allows quick filling with no waste.

For long gear life, be sure to follow the above directions.

## PROPELLER SHEAR PIN

This soft "safety pin" shears off when you strike an obstruction at full speed, thus protecting the gears, shafts, and other mechanism of your motor from damage. When this happens shut your motor off immediately. To replace shear pin, remove the cotter-pin in the propeller nut and remove nut. Slip off the propeller and replace the broken pin with a new one. Make sure to replace nut and cotter pin. The nut should be drawn up until the propeller fits snug against the shear pin.

## SALT WATER INSTRUCTIONS

Your Champion motor is built of materials which are as nearly salt water corrosion proof as obtainable. Science has not as yet developed any metal which is absolutely impervious to the corrosive action of salt water. However, you will extend the life and performance of your motor when used in salt water by flushing fresh water through the motor after use in salt water.

## COLD WEATHER MOTOR CARE

To prevent your motor from freezing in cold weather, the following precaution should be observed. When your motor is idle or before storing for the cold weather period, drain it by placing it in an upright position. Remove aluminum grease plug and vent screw in bottom of lower unit gear case and drain any water and old grease that has accumulated, then repack with fresh grease.

## TESTING PROCEDURE

To test the magneto for spark, remove the high tension wire from the spark plug and hold it about  $\frac{1}{8}$  inch from any metal part of the motor. Crank the motor with the starting cord to determine whether a spark jumps from the high tension terminal to the metal surface. If a spark is in evidence you can rest assured that your magneto is likely to be in good working order. Should there be no sign of a spark, then your trouble can be traced to your magneto. This may be caused by the breaker points not opening wide enough. The correct gap setting is .018 inch. If the gap is incorrect, adjust it to the right setting and test for spark again. If there still is no spark, you may need a new condenser, or perhaps the coil may be defective. Any CHAMPION service station will correct the situation. The spark plug should be kept clean and the point gap set at .030 inch. If the points are too badly corroded or burned away from long use, the plug should be replaced.

## CARBURETOR DRAIN

There is a carburetor drain screw at bottom of control panel for the purpose of draining any water or dirt which may have accumulated in the carburetor bowl.

If gas does not flow freely, check carburetor and gas tank screens.

## STEERING BAR APPLICATION

Bosses at base of Cylinder Head, Part IJ225, are provided for the application of a Steering Bar. Use a Number 7 drill,  $\frac{1}{16}$  inch deep. Bottom tap  $\frac{1}{4}$ -20 NC Thread.

This Steering Bar, together with screws and rings, can be purchased from your Champion dealer.

## OUTSIDE REPAIR CHARGES

You have received with this motor a warranty covering workmanship and materials. We will not be responsible for work performed and time spent by other than the Champion Outboard Motors Company, unless such repairs are first authorized by us in writing.

## WARNING!

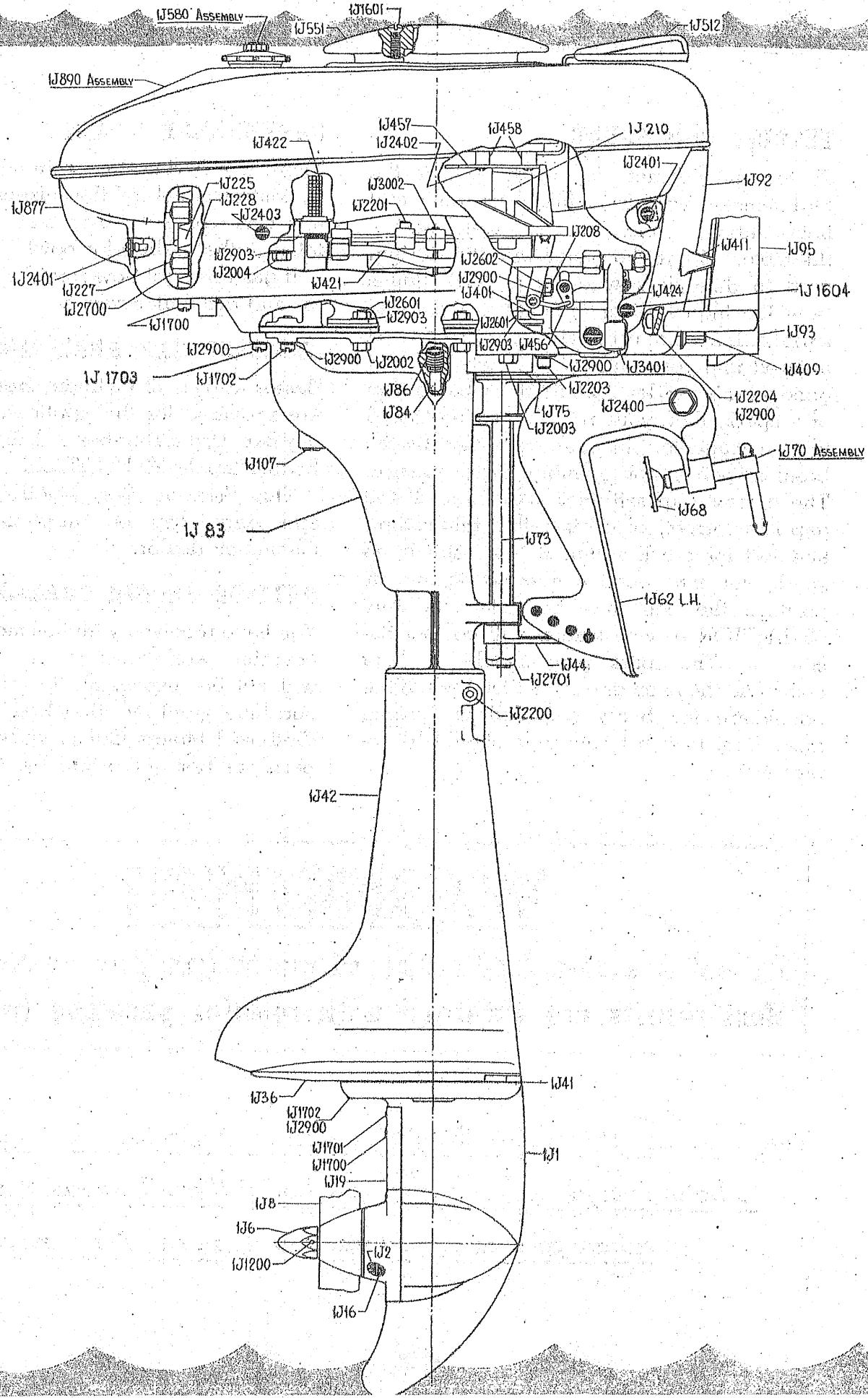
**Do not use so-called outboard motor gasoline or stove gas.  
Best results are obtained with regular gasoline (or ethyl)**

Keep in mind that your Champion dealer is always ready and anxious

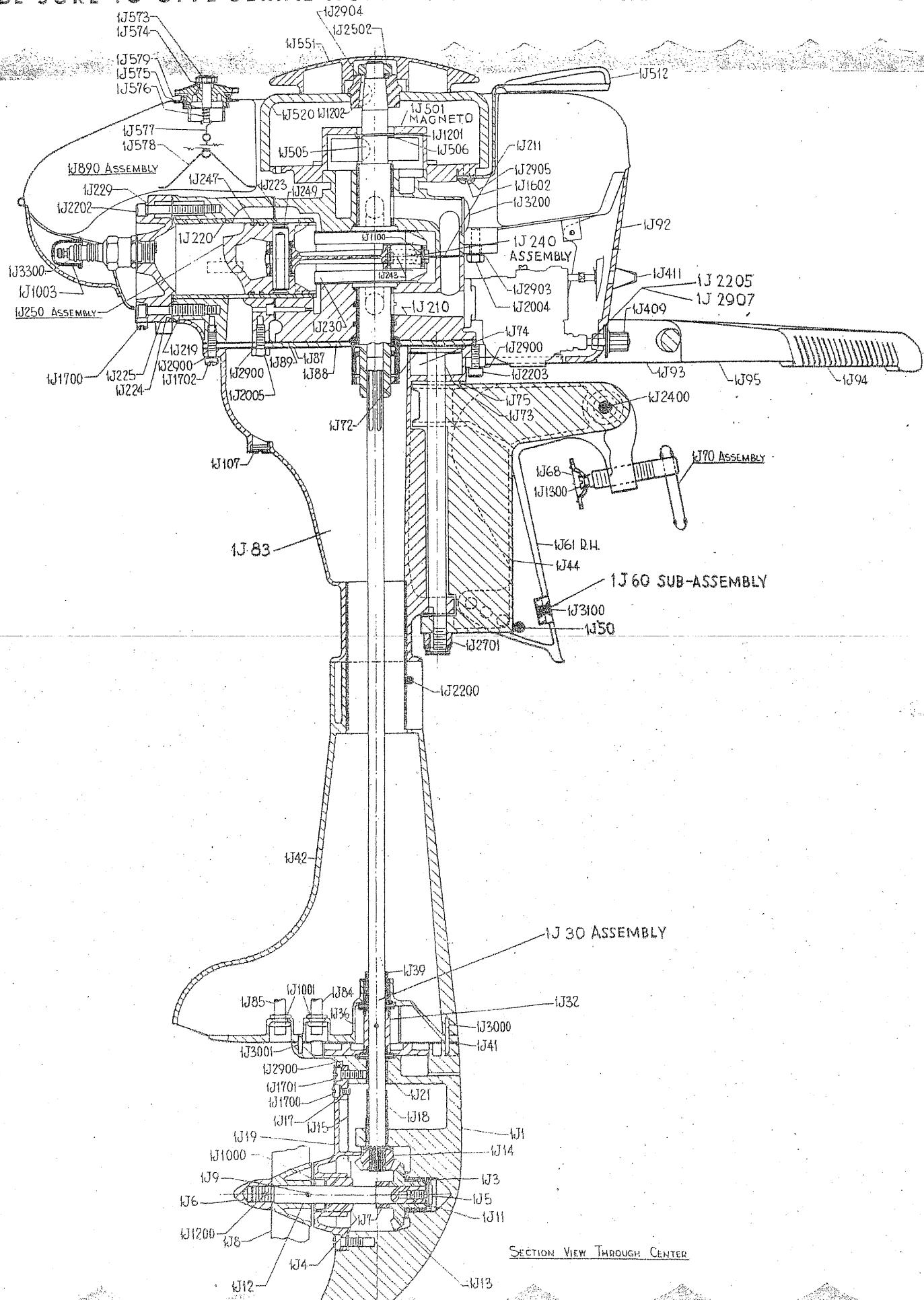
to be of service to you. See him should there be some questions

about your motor which you do not understand.

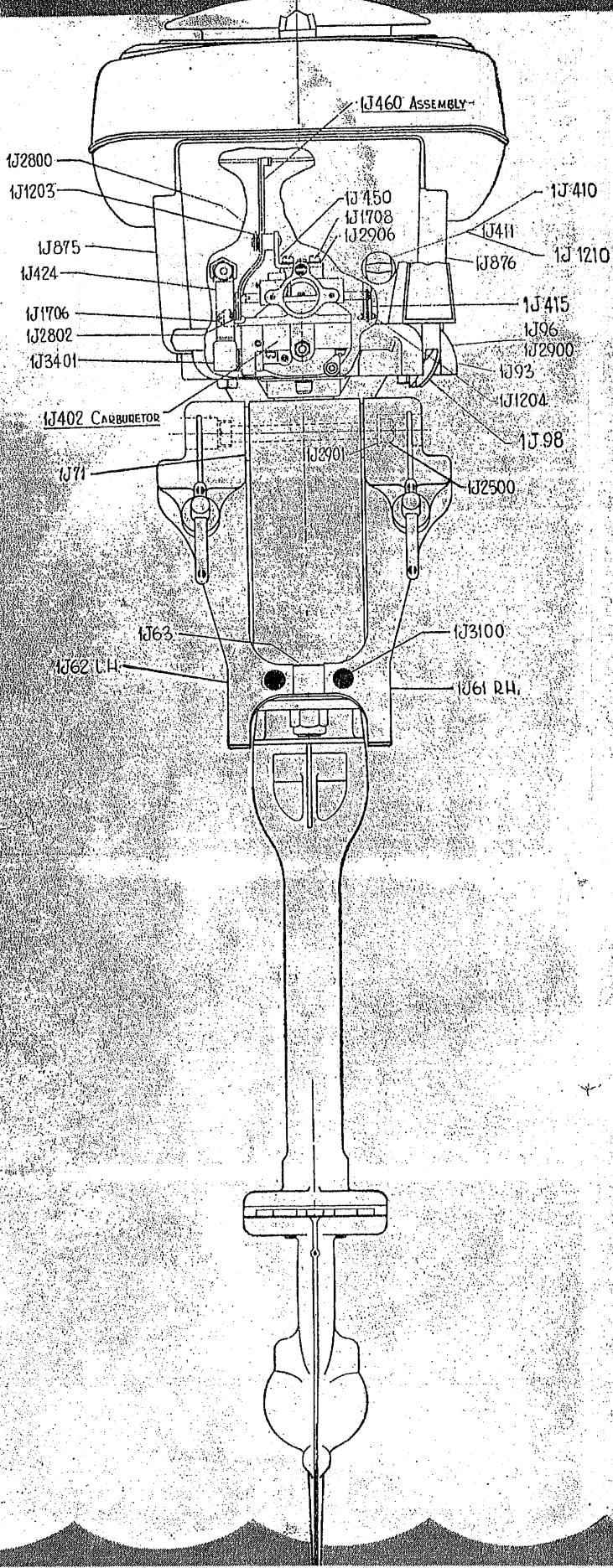
BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS



BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS 7



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BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS



# 1947 CHAMPION

## MODEL 1J

### SPECIFICATIONS

Model—1-J Standard Single.

Horsepower—4.2 at 4300 R.P.M., O.B.C. Certified.

No. Cylinders—1.

Bore and Stroke— $2\frac{1}{16}$ " x  $1\frac{3}{4}$ ".

Piston Displacement—5.84 cu. in.

Valves—Dual rotary valve, 2 port.

Carburetor—Dual jet concentric bowl type.

Ignition—Scintilla Magneto Alnico Rotor

Controls—Synchronous.

Gear Ratio—14:24.

Propeller—2 blade 8x5 1/2.

Cooling System—Centrifugal Pump.

Gas Tank Capacity—5 qts.

Speed Range (depending upon boats used)—  
Approx. 1 to 10 m.p.h.

Automatic Co-skipper Steering—Yes.

### PLEASE NOTE!

The Champion Motors Company reserves the right to change motor specifications contained herein without notice. Any parts contained in your motor that are different from those listed in this parts book were changed either to improve your Champion or were necessary due to material substitutions.

BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS

Part No.	Part Name	No. Req'd	List Price Each	Part No.	Part Name	No. Req'd	List Price Each
IJ1	Lower Unit Body.....	1	\$6.50	IJ89	Top Motor Base Gasket.....	1	.25
IJ2	Grease Plug.....	1	.10	IJ92	Control Panel.....	1	5.70
IJ3	Front Propeller Shaft Bearing..	1	1.10	IJ93	Carrying Handle.....	1	2.20
IJ4	Rear Propeller Shaft Bearing...	1	.75	IJ94	Steering Handle Grip.....	1	.30
IJ5	Gear Lock Screw.....	1	.15	IJ95	Steering Handle.....	1	1.20
IJ6	Propeller Nut.....	1	.75	IJ96	Steering Handle Bolt.....	1	.20
IJ7	Propeller Shaft Thrust Collar...	1	.30	IJ98	Steering Handle Friction Washer	2	.05
IJ8	Propeller.....	1	2.50	IJ107	Expansion Chamber Plug.....	1	.15
IJ9	Shear Pin.....	1	.025	IJ208	Carburetor Studs.....	2	.06
IJ11	Gear Lock Screw Washer.....	1	.05	IJ210	Crankcase.....	1	20.00
IJ12	Propeller Shaft.....	1	3.00	IJ211	Crankcase Gasket.....	1	.05
IJ13	Drive Gear.....	1	4.50	IJ219	Water Passage Baffle.....	1	.02
IJ14	Pinion Gear.....	1	2.40	IJ220	Cylinder Block and Sleeve....	1	14.25
IJ15	Lower Unit Cap Gasket.....	1	.10	IJ223	Cylinder Base Gasket.....	1	.02
IJ16	Grease Plug Gasket.....	1	.02	IJ224	Cylinder Head Gasket.....	1	.20
IJ17	Vent Screw Gasket.....	1	.02	IJ225	Cylinder Head.....	1	2.70
IJ18	Pinion Gear Bearing.....	1	1.40	IJ227	Cylinder Head Stud.....	4	.15
IJ19	Lower Unit Cap.....	1	1.40	IJ228	Cylinder Head Stud Washer..	4	.02
IJ21	Driveshaft Center Bearing.....	1	.20	IJ229	Cylinder Head Support Screw		
IJ30	Driveshaft Assembly.....	1	3.95		Washer.....	2	.02
IJ36	Water Pump Housing.....	1	2.25	IJ230	Crankshaft.....	1	20.00
IJ39	Upper Pump Housing Bearing..	1	.70	IJ240	Connecting Rod Assm.....	1	5.00
IJ41	Pump Seal Plate.....	1	.10		(Less needle brg.)		
IJ42	Driveshaft Housing.....	1	5.90	IJ243	Connecting Rod Cap Screw...	2	.15
IJ44	Motor Tilt Bracket.....	1	3.25	IJ247	Piston Ring.....	2	.30
IJ50	Boat Bracket Tilting Pin.....	1	.55	IJ249	Wrist Pin Lock.....	2	.02
IJ60	Boat Bracket Sub. Assem.....	1	4.90	IJ250	Piston and Wrist Pin.....	1	3.75
	(Includes IJ61-1J62-1J63-1J3100)			IJ401	Carburetor Gasket.....	1	.05
IJ61	Boat Bracket—Right Hand.....	1	2.20	IJ402	Carburetor.....	1	11.50
IJ62	Boat Bracket—Left Hand.....	1	2.20	IJ409	High Speed Adj. Knob with Clip	1	.10
IJ63	Boat Bracket Spacer Strap....	1	.20	IJ410	Choke Lever.....	1	.50
IJ68	Boat Bracket Clamp Screw Pad.	2	.15	IJ411	Choke & Shutoff Knob with Clip	2	.10
IJ70	Boat Bracket Clamp Screw....	2	.60	IJ415	Choke Lever Link.....	2	.03
IJ71	Tilt Bracket Friction Washer..	2	.05	IJ421	Gas Line.....	1	.15
IJ72	Pivot Bolt Friction Washer....	1	.06	IJ422	Gas Line Elbow and Screen..	1	.95
IJ73	Pivot Bolt.....	1	.85	IJ424	Gas Line Shut Off Valve....	1	1.15
IJ74	Co-Pilot Cushion.....	1	.35	IJ450	Synchronous Control Bracket..	1	.20
IJ75	Pivot Base Washer.....	1	.05	IJ456	Synchronous Control Adj. Lever	1	.05
IJ83	Motor Pivot Base and Tube....	1	9.90	IJ457	Synchronous Control Cam.....	1	.25
IJ84	Intake Water Line.....	1	.45	IJ458	Synchronous Control Cam		
IJ85	Discharge Water Line.....	1	.45		Spacer .....	2	.05
IJ86	Water Line Fitting.....	2	.20	IJ460	Synchronous Control Arm.....	1	.60
IJ87	Bottom Motor Base Gasket....	1	.25	IJ501	Magneto.....	1	20.00
IJ88	Motor Base Spacer.....	1	1.10	IJ505	Magneto Key.....	1	.05

Prices F.O.B. Minneapolis, Minnesota

Prices Subject to Change Without Notice

## BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS

Part No.	Part Name	No. Req'd	List Price Each	Part No.	Part Name	No. Req'd	List Price Each
1J506	Magneto Washer	1	.03	1J1703	Pivot Base Screw—long	1	.02
1J512	Stator Plate Control Handle	1	.60	1J1706	Synchronous Control Swivel Screw	1	.02
1J520	Flywheel	1	6.45	1J1708	Synchronous Control Bracket Screw	2	.02
1J551	Starting Plate	1	2.50	1J2002	Pivot Base and Spacer Bolt	4	.03
1J560	Starting Rope and Handle	1	.30	1J2003	Pivot Base and Control Panel Bolt	2	.03
1J573	Gas Cap Vent Screw	1	.20	1J2004	Gas Tank Bolt	4	.03
1J574	Gas Cap Vent Screw Washer	1	.03	1J2005	Motor Base Spacer Screw	1	.03
1J575	Gas Cap Baffle Washer	1	.03	1J2200	Driveshaft Housing Clamp Screw	1	.20
1J576	Gas Cap Baffle Spring	1	.02	1J2201	Crankcase Screw	8	.10
1J577	Gas Cap Safety Chain	1	.06	1J2202	Cylinder Head Support Screw	2	.20
1J578	Gas Cap Safety Spring Hook	1	.03	1J2203	Control Panel Screw	1	.15
1J579	Gas Cap Gasket	1	.02	1J2204	Carrying Handle Screw—Small	1	.15
1J580	Gas Cap Assembly	1	.80	1J2205	Carrying Handle Screw—Large	1	.20
1J875	Left Shroud	1	2.00	1J2400	Tilting Bracket Friction Bolt	1	.10
1J876	Right Shroud	1	2.00	1J2401	Spark Plug Cover Plate Screw	2	.02
1J877	Spark Plug Cover Plate	1	.45		Control Panel Anchor Screw	2	.02
1J890	Gas Tank	1	17.50	1J2402	Synchronous Control Cam Screw	2	.02
1J901	"Champion" Transfer	2	n/c	1J2403	Top Shroud Screw	4	.02
1J911	Blue Ribbon Seal of Quality Transfer	1	n/c	1J2500	Tilting Bracket Friction Bolt Nut	1	.03
1J1000	Propeller Shaft Grease Seal	1	.45	1J2502	Flywheel Nut	1	.04
1J1001	Water Line Grommet	2	.05	1J2601	Pivot Base and Spacer Bolt Nut	4	.02
1J1003	Spark Plug Nipple	1	.20		Pivot Base and Control Panel Nut	2	.02
1J1100	Connecting Rod Needle Bearing	32	1.45 set	1J2602	Carburetor Nut	2	.02
1J1200	Propeller Nut Cotter Pin	1	.02	1J2700	Cylinder Head Nut	4	.04
1J1201	Magneto Rotor Retaining Ring	1	.15	1J2701	Co-Pilot Tension Adj. Nut	1	.20
1J1202	Flywheel Key	1	.05	1J2800	Synchronous Control Arm Washer	1	.02
1J1203	Synchronous Control Arm Spring Cotter	1	.02	1J2802	Synchronous Control Swivel Washer	1	.02
1J1204	Choke Lever Cotter Pin	2	.02	1J2900	Lower Unit Cap Screw Lock Washer	4	.02
1J1210	Choke Lever Hinge Pin Clip	2	.02		Upper Lower Unit Cap Screw Lock Washer	4	.02
1J1300	Boat Bracket Clamp Pad Screw	2	.02		Motor Base Spacer Screw Lock Washer	1	.02
1J1601	Starting Plate Screw	3	.02		Pivot Base Screw Lock Washer	2	.02
1J1602	Stator Plate Control Screw	2	.02		Carburetor Lock Washer	2	.02
1J1604	Front Shroud Screw	2	.02				
1J1700	Lower Unit Vent Screw	1	.02				
	Cylinder Head Seal Screw	2	.02				
1J1701	Lower Unit Cap Screw	4	.02				
1J1702	Upper Lower Unit Screw	4	.02				
	Pivot Base Screw—short	2	.02				

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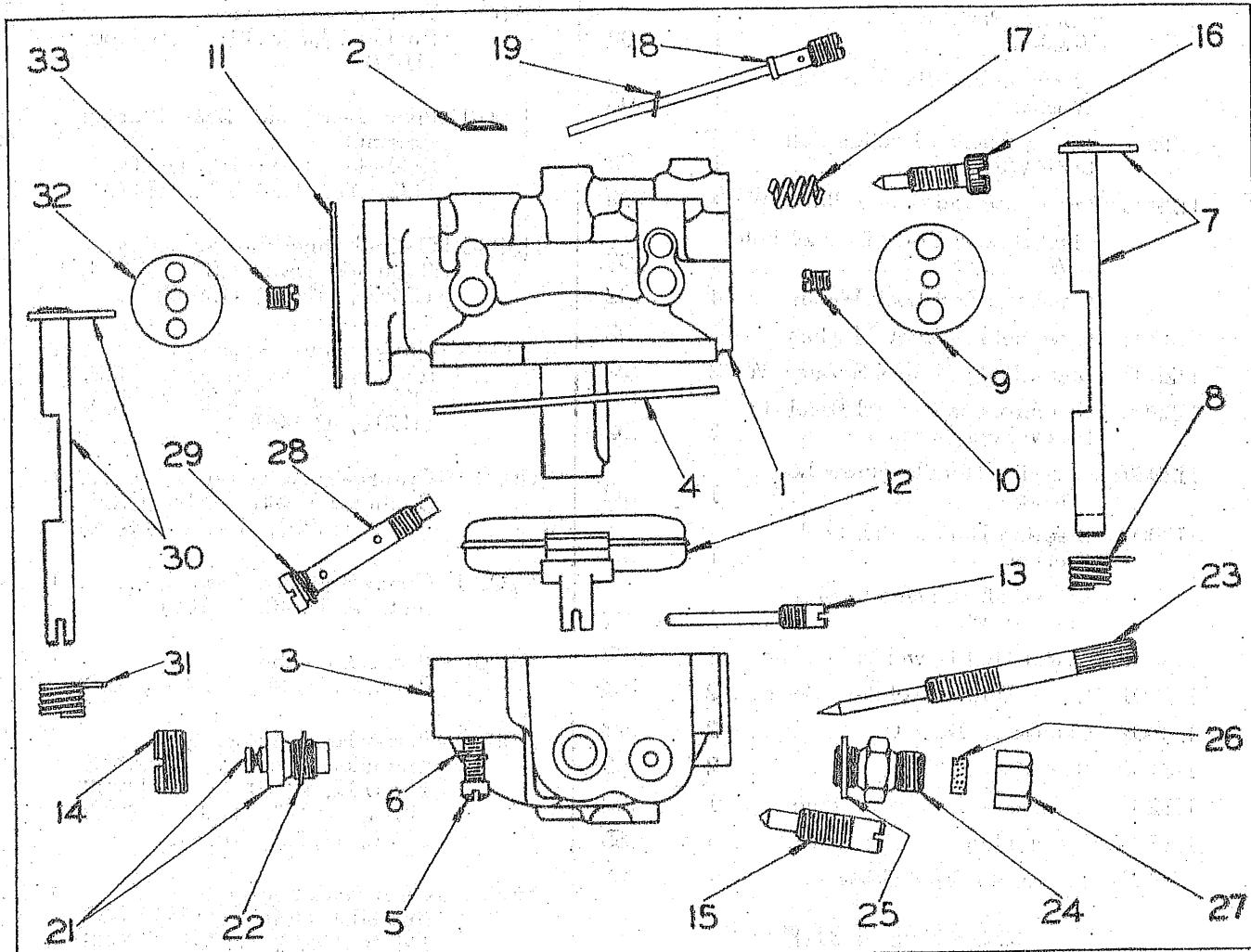
Part No.	Part Name	No. Req'd	List Price Each	Part No.	Part Name	No. Req'd	List Price Each
	Control Panel Screw Lock			1J990-11	Pivot Base Assembly (Includes 1J83, 1J84, 1J85, 1J86, 1J107)	1	11.35
	Washer.....	1	.02	1J990-12	Pivot Base and Boat Bracket Assembly (Includes 1J990-10, 1J990-11, 1J72, 1J73, 1J74, 1J75, 1J2701)	1	23.10
1J2901	Tilting Bracket Friction Bolt			1J990-14	Control Panel Sub-Assembly (Includes 1J92, 1J93, 1J2204, 1J2205, 1J2900, 1J2907)	1	8.30
	Lock Washer.....	1	.02	1J990-15	Control Panel Assembly (Includes 1J990-14, 1J94, 1J95, 1J96, 1J410, 1J415, 1J1204, 1J1210, 1J2909)	1	10.85
1J2903	Pivot Base and Spacer Bolt L.W.	4	.02	1J990-16	Crankcase Assembly (Includes 1J208, 1J210, 1J211, 1J227, 1J2201, 1J3002, 1J3200)	1	21.65
	Pivot Base & Control Panel Bolt			1J990-18	Connecting Rod Assembly..... Includes 1J240, 1J1100)	1	6.45
	L.W.....	2	.02	1J990-19	Piston Assembly..... (Includes 1J247, 1J249, 1J250)	1	4.40
	Gas Tank Bolt Lock Washer.....	4	.02	1J990-20	Power Head Assembly..... (Includes 1J990-16, 1J990-18, 1J990-19, 1J219, 1J220, 1J223, 1J224, 1J225, 1J228, 1J229, 1J230, 1J1700, 1J2700)	1	70.00
1J2904	Flywheel Nut Lock Washer.....	1	.02	1J990-23	Carburetor Assembly..... (Includes 1J402, 1J424, 1J450, 1J456, 1J460, 1J1708, 1J2906, 1J3401)	1	12.30
1J2905	Stator Plate Control Screw L.W.	2	.02	1J990-24	Magneto Assembly..... (Includes 1J457, 1J458, 1J501, 1J512, 1J520, 1J1602, 1J2402, 1J2905)	1	27.50
1J2906	Synchronous Control Bracket			1J990-26	Gas Tank Assembly..... (Includes 1J422, 1J580, 1J890, 1J901, 1J911)	1	19.00
	Screw Lock Washer.....	2	.02	1J990-27	Steering Handle and Grip..... (Includes 1J94, 1J95)	1	1.50
1J2907	Carrying Handle Screw Lock			1J990-28	Complete Set of Gaskets..... (Includes 1J15, 1J16, 1J17, 1J87, 1J89, 1J211, 1J223, 1J224, 1J401, 1J579, 1J1000)	1	1.43
	Washer.....	1	.02				
1J2909	Steering Handle Bolt Lock						
	Washer.....	1	.02				
	Driveshaft Housing Clamp						
	Screw L.W.....	1	.02				
1J3000	Lower Unit Dowel Pin—Long	1	.02				
1J3001	Lower Unit Dowel Pin—Short	2	.02				
1J3002	Crankcase Dowel.....	2	.03				
1J3100	Boat Bracket Rivet.....	2	.02				
1J3200	Crankcase Expansion Plug.....	1	.02				
1J3300	Spark Plug.....	1	.65				
1J3401	Carburetor Inlet Elbow.....	1	.20				
<b>ASSEMBLIES</b>							
1J990-1	Lower Unit Body Sub-Assembly	1	9.25				
	(Includes 1J1-1J3-1J18-1J21-1J3000-1J3001)						
1J990-2	Lower Unit Cap Sub-Assembly	1	3.00				
	(Includes 1J2-1J4-1J15-1J16-1J17-1J19-1J1000-1J1700)						
1J990-3	Propeller Shaft Assembly	1	8.00				
	Includes 1J5-1J7-1J11-1J12-1J13)						
1J990-6	Lower Unit Assembly.....	1	31.80				
	(Includes 1J990-1, 1J990-2, 1J990-3, 1J14, 1J30, 1J36, 1J41, 1J1701, 1J2900)						
1J990-10	Boat Bracket Assembly.....	1	10.25				
	Includes 1J44, 1J50, 1J60, 1J68, 1J70, 1J71, 1J1300, 1J2400, 1J2500, 1J2901)						

Prices F.O.B. Minneapolis, Minnesota

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BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS

CARBURETOR MODEL MC-1A—STANDARD ON MODEL 1-J



Ref. No.	Part No.	No. Req.	Description	List Price Each	Ref. No.	Part No.	No. Req.	Description	List Price Each
1	07955	1	Body, Upper Half	\$4.60	18	"07938	1	Idle Tube	.30
2	*02531	1	Body Channel Welch Plug	.06	19	07900	1	Idle Tube Gasket	.06
3	07953	1	Fuel Bowl	2.30	21	"07895	1	Inlet Needle, Seat and Gasket	.90
4	07951	1	Body Gasket	.12	22	02510	1	Inlet Seat Gasket	.03
5	06062	4	Body Retaining Screw	.12	23	"08156	1	Main Adjustment Screw	.30
6	0992	4	Body Retaining Screw Lockwasher	.03	24	0702	1	Main Adjustment Screw Gland	.30
7	07946	1	Choke Shaft and Lever	.45	25	0676	1	Main Adjustment Screw Gland Gasket	.03
8	*07910	1	Choke Return Spring	.12	26	0705	1	Main Adjustment Screw Packing	.06
9	03739	1	Choke Shutter	.17	27	0703	1	Main Adjustment Screw Packing Nut	.17
10	05430	1	Choke Shutter Screw	.03	28	"07959	1	Main Nozzle	.35
11	05591	1	Flange Gasket	.06	29	02658	1	Main Nozzle Gasket	.03
12	07804	1	Float	.85	30	07943	1	Throttle Shaft and Lever	.35
13	*07901	1	Float Lever Pinion Screw	.17	31	"07944	1	Throttle Return Spring	.12
14	07896	1	Fuel Bowl Plug Screw (Large)	.12	32	07960	1	Throttle Shutter	.12
15	*07952	1	Fuel Bowl Drain Valve	.12	33	"05430	1	Throttle Shutter Screw	.03
16	*06910	1	Idle Adjustment Screw	.23	"08175			Gasket and Packing Set	.35
17	*05725	1	Idle Adjustment Screw Spring	.06	08176			Repair Parts Kit	2.90

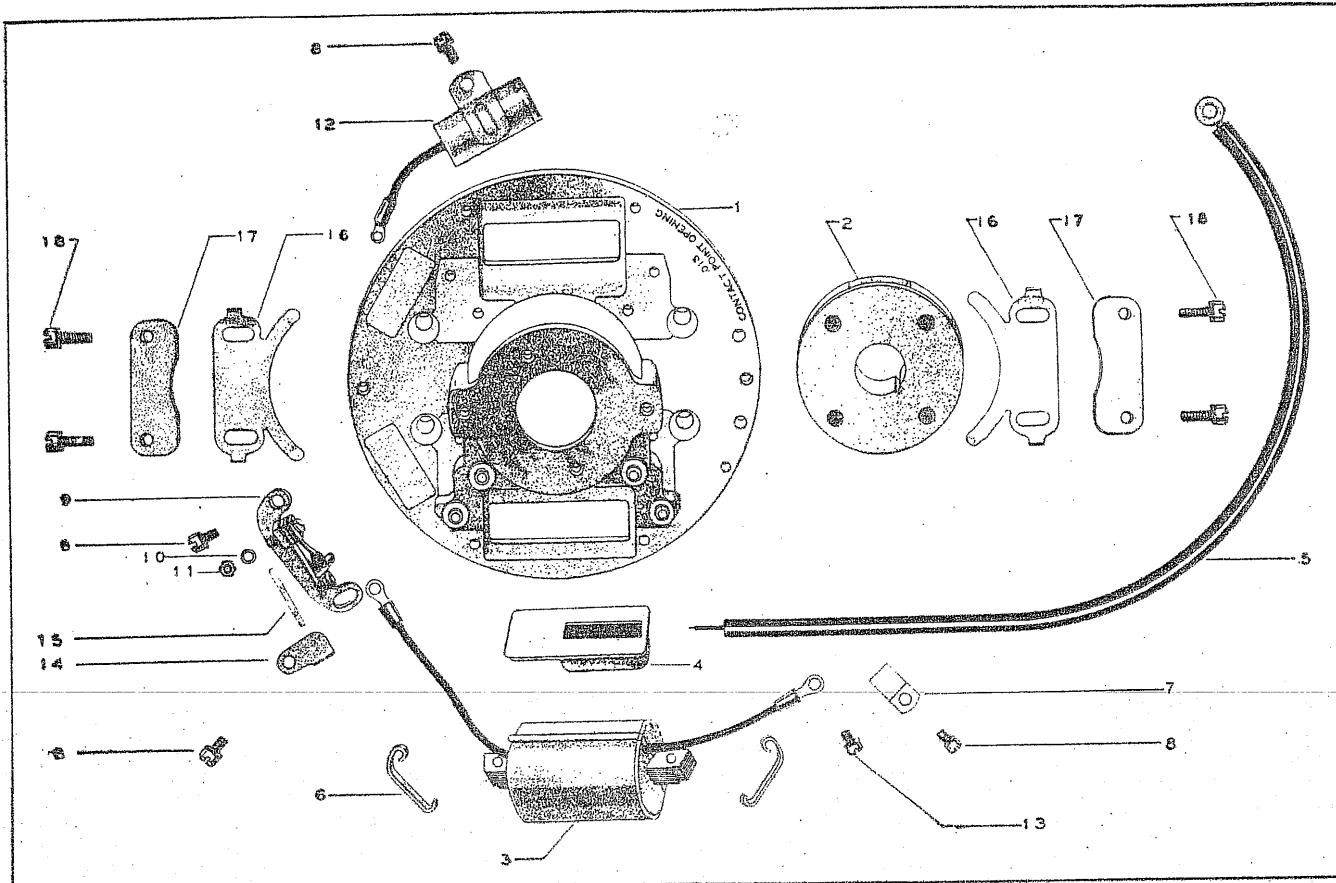
(\*) Identifies Parts Included in Part No. 08176 Repair Parts Kit.

Prices F.O.B. Minneapolis, Minnesota

Prices Subject to Change Without Notice

BE SURE TO GIVE SERIAL NUMBER OF MOTOR WHEN ORDERING PARTS

**K1-1 MAGNETO SPECIFICATION NO. 10-37750**



Ref. No.	Part No.	No. Req.	Description	List Price Each
1	10-37793Y	1	FLANGE—Magneto Mounting.....	\$2.20
2	10-38334	1	MAGNET—Rotating.....	4.00
3	10-38222	1	COIL.....	5.10
4	10-37806	1	INSULATOR—High Tension Connection (Coil).....	.20
5	10-38944	1	LEAD—High Tension.....	.36
6	10-37804	2	CLAMP—Coil Core.....	.03
7	10-37807	1	CLAMP—High Tension Lead.....	.03
8	10-51662	4	SCREW & LOCK WASHER..... (1, High Tension Lead Clamp) (2, Contact Assembly to Flange) (1, Condenser)	.03
9	10-37900	1	CONTACT ASSEMBLY—Breaker.....	1.50

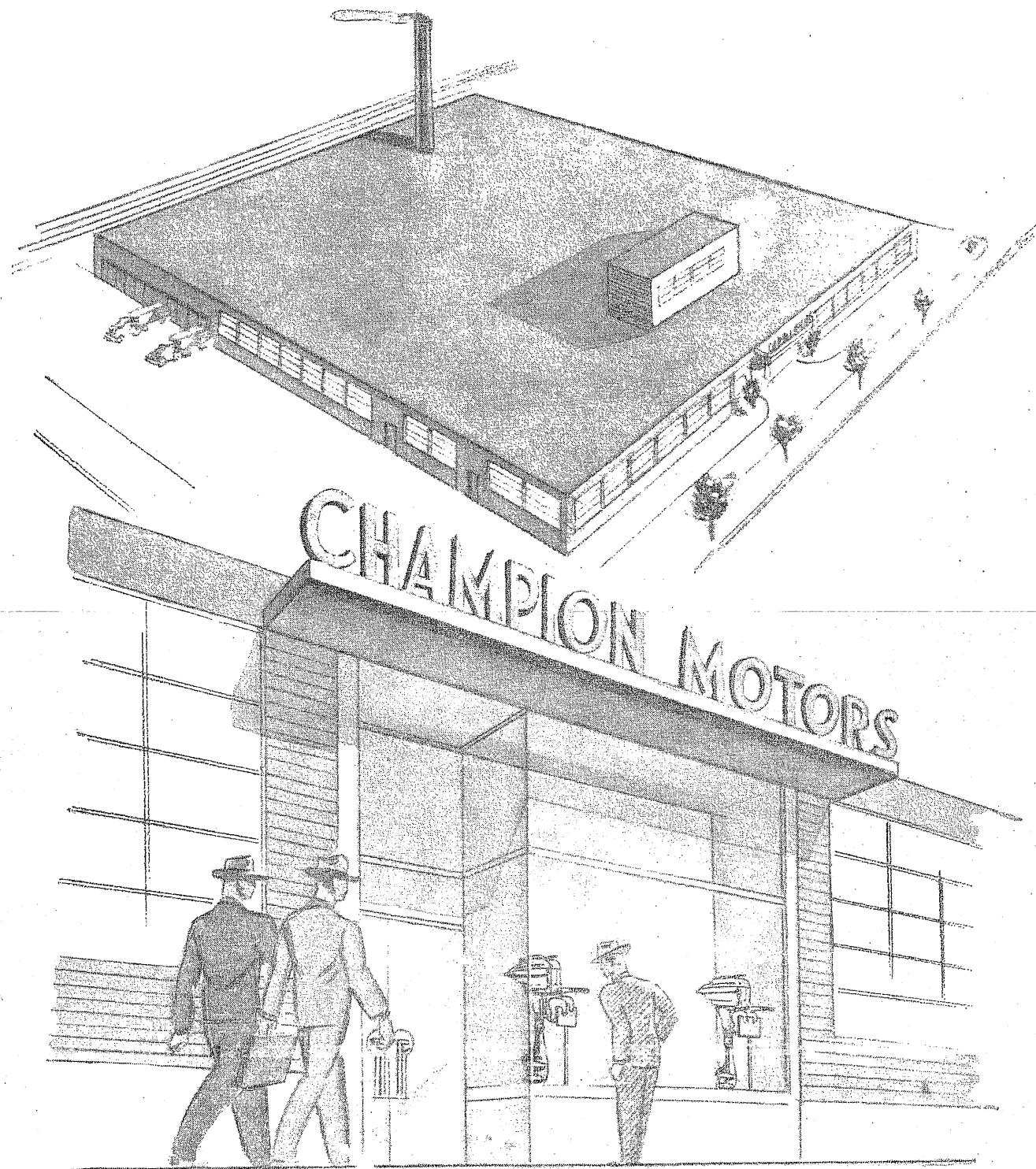
Ref. No.	Part No.	No. Req.	Description	List Price Each
10	2-194	1	WASHER—Lock (Primary Connectors to Contact Assembly Nut).....	.03
11	10-38682	1	NUT (Primary Connectors to Contact Assembly).....	.03
12	10-38350Y	1	CONDENSER.....	.90
13	10-51661	1	SCREW & LOCK WASHER (Primary Connector to Flange).....	.03
14	10-50706	1	SUPPORT—Cam Oiling Felt.....	.03
15	10-50707	1	FELT—Cam Oiling.....	.03
16	10-37879	2	SPRING—Magneto Flange Tension.....	.12
17	10-37878	2	PLATE—Magneto Flange Tension Spring.....	.09
18	10-51667	4	SCREW & LOCK WASHER (Flange Tension Spring).....	.03

Prices F.O.B. Minneapolis, Minnesota

Prices Subject to Change Without Notice

# Golden Rules of Outboarдинg

- 1 Never cause undue disturbance by running your motor with wide-open cut-out when traveling near summer cottages or late at night when vacationists seek quietness and peace.
- 2 Respect the rules and regulations of water-way travel. Accidents can be eliminated if everyone possesses a thorough knowledge of outboard motor-boating rules and ethics and lives up to them.
- 3 Assist your fellow outboard enthusiasts when in trouble. Perhaps your knowledge of motor operation will help him to solve his mechanical problem and add additional hours of pleasure for him, or his family.
- 4 Avoid running too close to boats containing fishermen so as not to disturb the waters and spoil their favorite phase of outdoor recreation. It is one of the important rules of good sportsmanship.
- 5 Never overload your boat. Before you rent a boat, inspect it carefully. Make sure that it is of proper design, construction and condition, then carry only the number it can transport safely.
- 6 Don't attempt to ride out a storm when your boat is loaded to capacity. However, in the event you are caught unaware, slow down your motor and head into the wind—and remain calm.
- 7 Give the right-of-way to larger craft. Your small outboard boat is more easily maneuvered than the larger cruisers, launches and sailboats, so give them a wide berth when passing.
- 8 Never run full speed through waters close to swimming beaches. Some swimmers delight in navigating past the safety lines and may be struck and seriously injured by your speeding boat.
- 9 Always wipe surplus gasoline and oil that may accumulate on the stern seat of your boat. While the fire hazard may be small, it is well to practice precaution at all times.
- 10 Practice sportsmanship and regard for others when traveling the waterways. Outboard-motoring is a pleasant, healthful, appealing and a very comforting form of recreation. Help others enjoy it.



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