

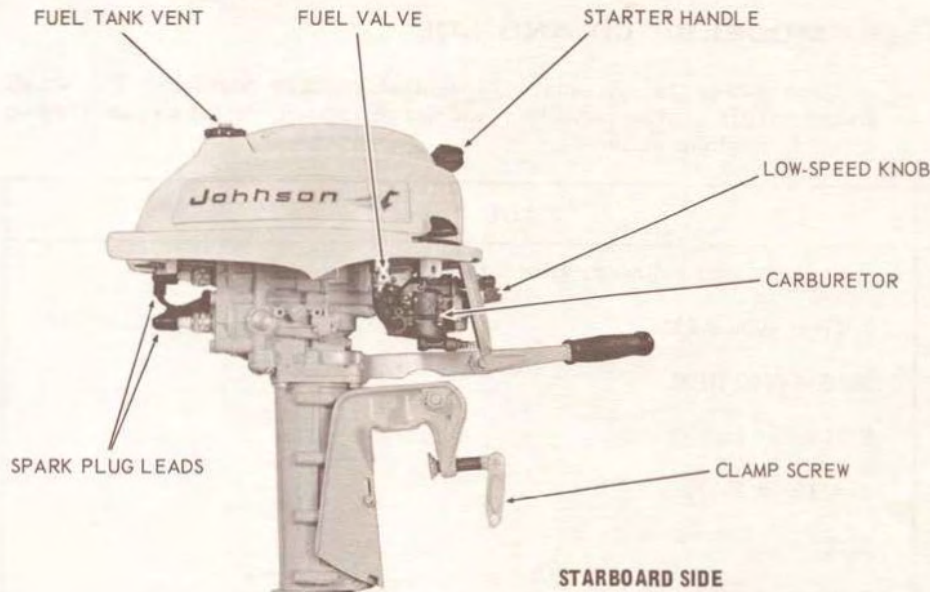


3 HP - MODELS: JW, JH AND JHL

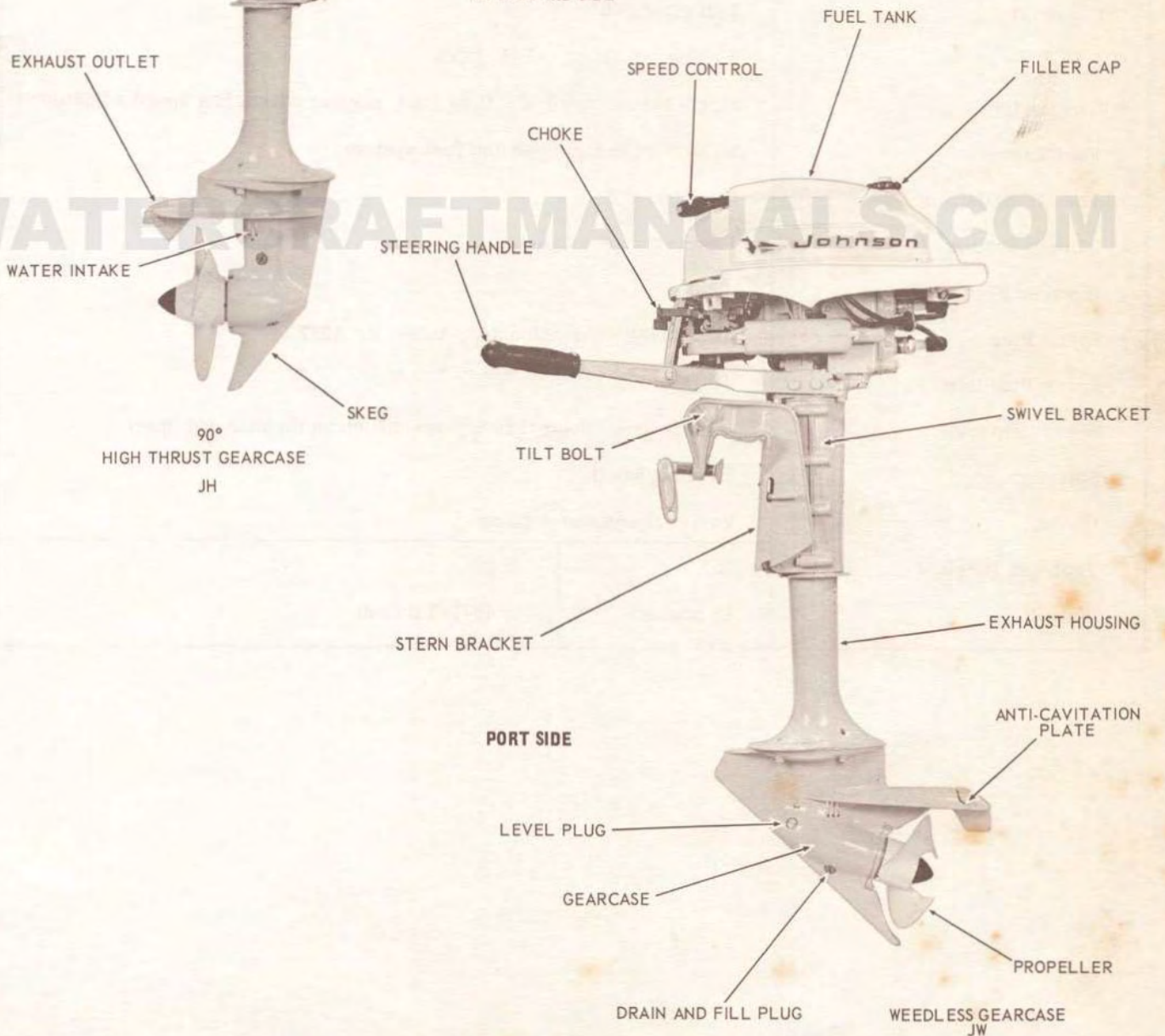
The high thrust Model JH(L) is recommended for small craft or for use as a small sailboat auxiliary. The Angle-Matic gearcase Model JW with weedless propeller is recommended for use in shallow waters or in heavily weeded areas.

SPECIFICATIONS	JW	JH(L)
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	3 HP @ 4000 RPM	
Full throttle operating range	3500 - 4500 RPM	
Piston Displacement	5.28 cubic inches	
Bore and Stroke	1-9/16" x 1-3/8"	
Gear Ratio	JW - 17:28 JH - 12:25	
Gearshift	Full pivot 360°	
Propeller	JW - 2 blade weedless: 6-1/8" x 6-1/4" JH - 3 blade: 8" x 4-1/2"	
Carburetor	Single barrel sidedraft, float feed, manual choke, low speed adjustment	
Fuel Tank	Integral, gravity feed	
Fuel Tank Capacity	4.88 pints U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Manual speed control lever; synchronized throttle and spark	
Steering	Steering handle	
Cooling	Vari-Volume water pump	
Transom Height	JW 15"	JH - JHL 15" 20"
Weight	35 pounds	35-1/2 pounds

3 HP
JW AND JH



STARBOARD SIDE



PORT SIDE

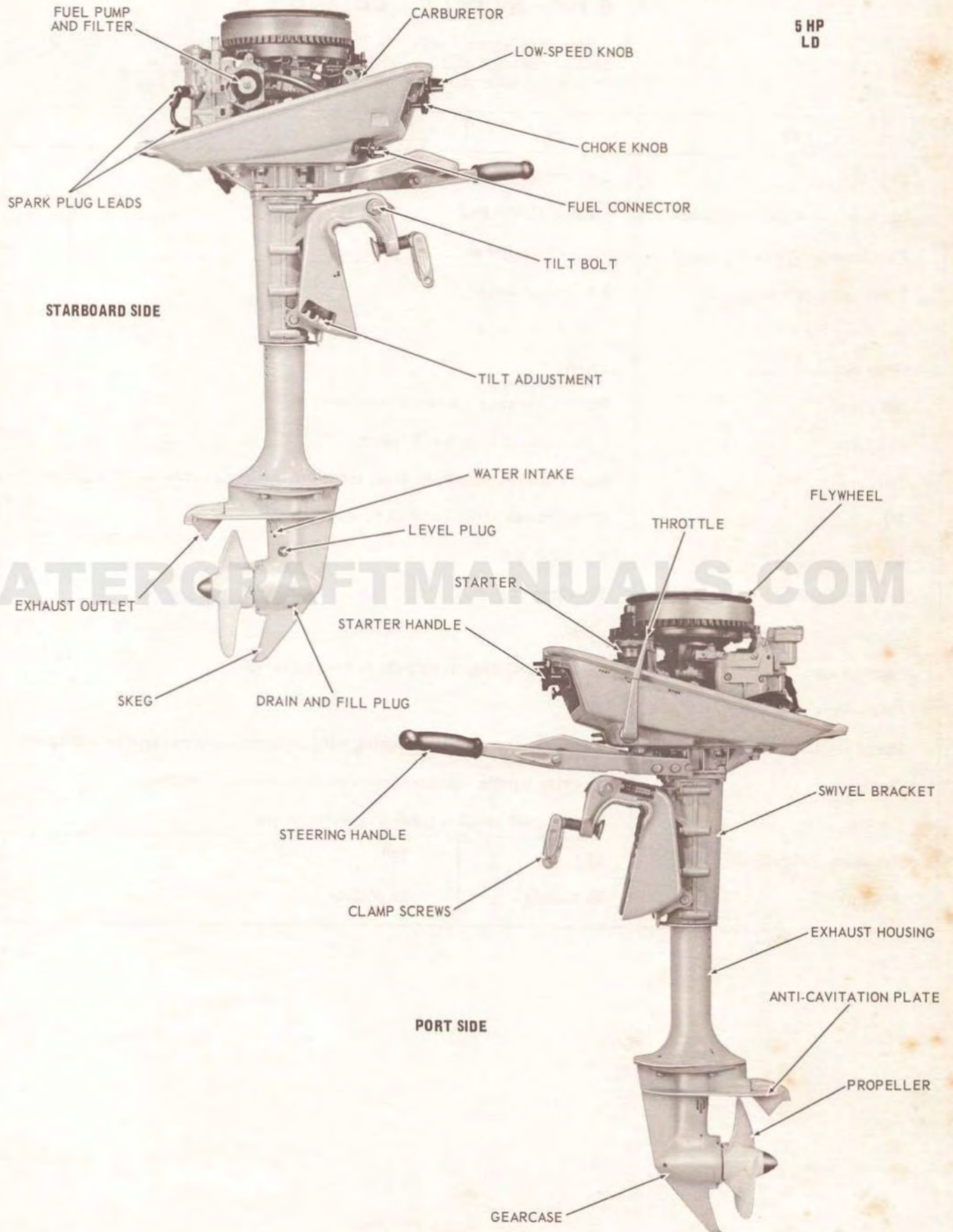
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5 HP - MODELS: LD AND LDL

Extra power in the smallest, lightest package possible. For small fishing skiffs, dories, utilities and large canoes, or as an auxiliary on small to medium sailboats.

SPECIFICATIONS	LD	LDL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	5 HP @ 4000 RPM	
Full throttle operating range	3500 - 4500 RPM	
Piston Displacement	8.84 cubic inches	
Bore and Stroke	1-5/16" x 1-1/2"	
Gear Ratio	12:25	
Gearshift	Full pivot 360°	
Propeller	3 blade, 8" dia. x 7-1/2" pitch	
Carburetor	Single barrel sidedraft, float feed, manual choke, low speed adjustment	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Manual speed control lever; synchronized throttle and spark	
Steering	Steering handle	
Cooling	Vari-Volume water pump	
Transom Height	15"	20"
Weight	43 pounds	43-1/2 pounds



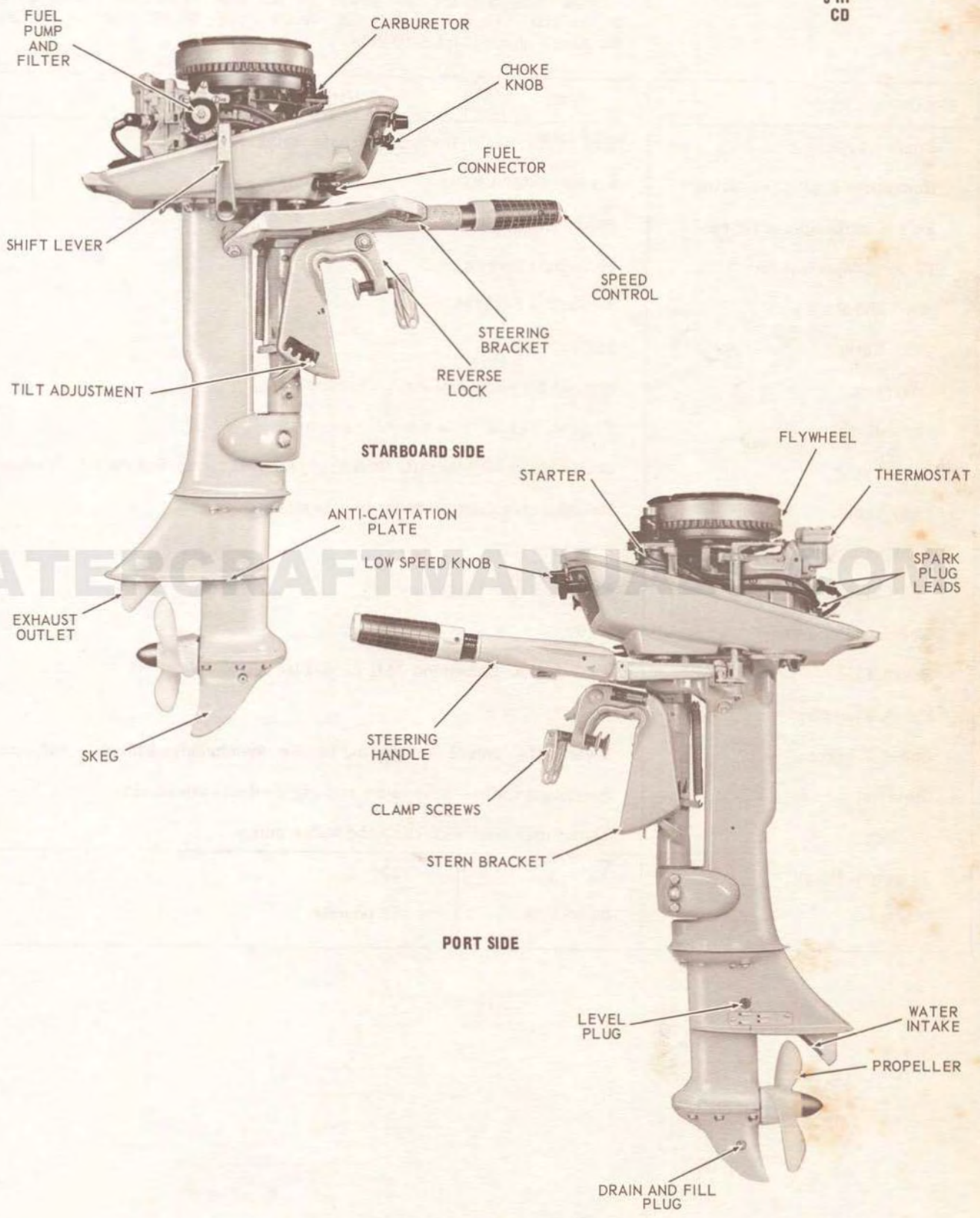


6 HP - MODELS: CD AND CDL

Smallest motor with all "big-motor" features. For small fishing skiffs, dories, utilities and large canoes, or as an auxiliary on small to medium sailboats.

SPECIFICATIONS	CD	CDL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	6 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	8.84 cubic inches	
Bore and Stroke	1-5/16" x 1-1/2"	
Gear Ratio	15:26	
Gearshift	Manual forward - neutral - reverse	
Propeller	2 blade, 8" dia. x 7-1/4" pitch	
Carburetor	Single barrel sidedraft, float feed, manual choke, low speed adjustment	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Twist grip control on steering handle; synchronized throttle and spark	
Steering	Steering handle - accessory remote controls adaptable	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	51 pounds	52 pounds

6 HP
CD



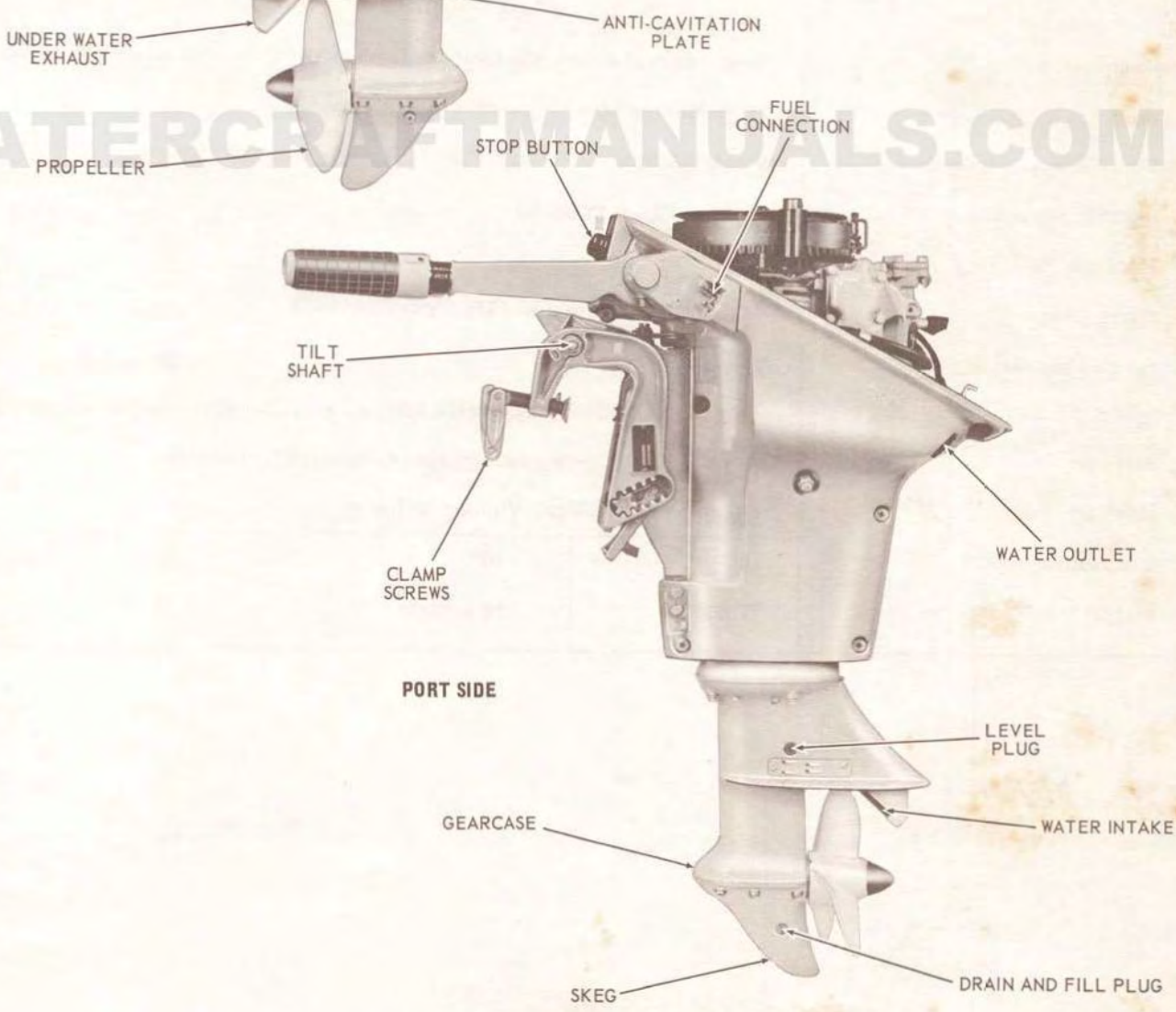
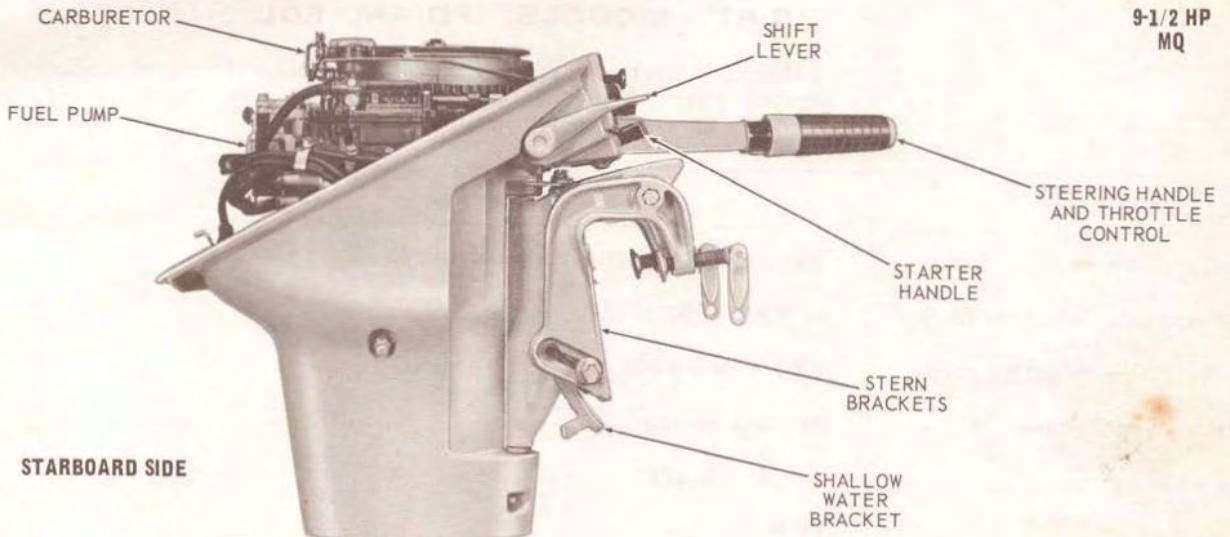


9-1/2 HP - MODELS: MQ AND MQL

Most compact for its power in the line. Ideal for fishing utilities and skiffs. Power enough for small craft of all types or for use as auxiliary on medium sailboats.

SPECIFICATIONS	MQ	MQL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	9.5 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	15.2 cubic inches	
Bore and Stroke	2-5/16" x 1-13/16"	
Gear Ratio	13:23	
Gearshift	Manual forward - neutral - reverse	
Propeller	3 blade, 8-1/4" dia. x 8-1/2" pitch	
Carburetor	Single barrel downdraft, float feed, manual choke, low speed adjustment	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Twist grip control on steering handle, synchronized throttle and spark	
Steering	Steering handle - accessory remote controls adaptable	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	60 pounds	61 pounds

9-1/2 HP
MQ



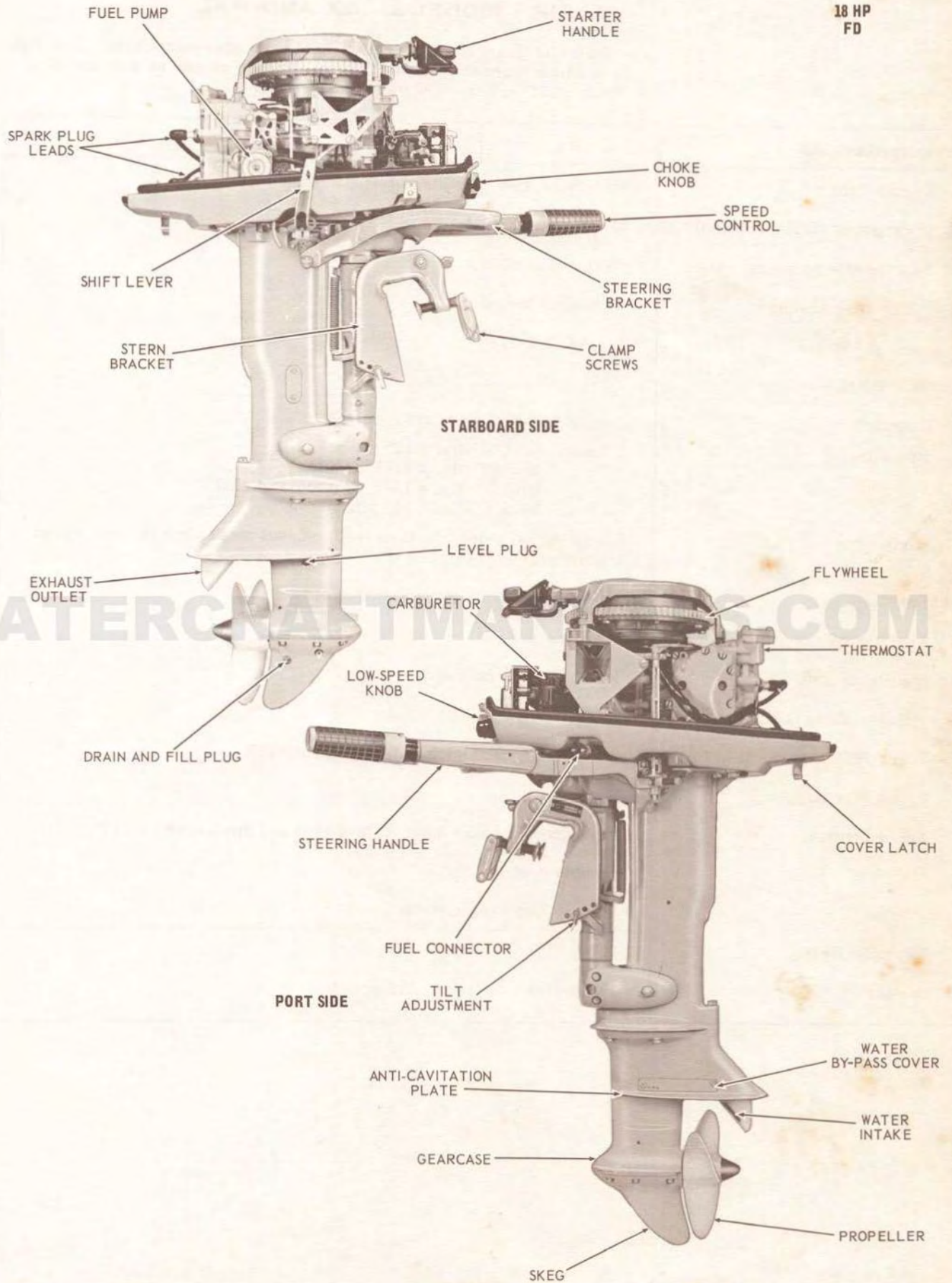


18 HP - MODELS: FD AND FDL

Most powerful of the truly portable motors. For light runabouts and pontoon boats, heavy fishing skiffs, commercial fishing boats, or as auxiliary on sailboats with wells.

SPECIFICATIONS	FD	FDL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	18 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	22 cubic inches	
Bore and Stroke	2-1/2" x 2-1/4"	
Gear Ratio	12:21	
Gearshift	Manual forward - neutral - reverse	
Propeller	3 blade: 9-1/4" dia. x 11" pitch 9" dia. x 10" pitch (optional) 9" dia. x 9" pitch (optional)	
Carburetor	Single barrel sidedraft, float feed, manual choke, low speed adjustment	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Twist grip control on steering handle, synchronized throttle and spark	
Steering	Steering handle - accessory remote controls adaptable	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	77 pounds	80 pounds

18 HP
FD



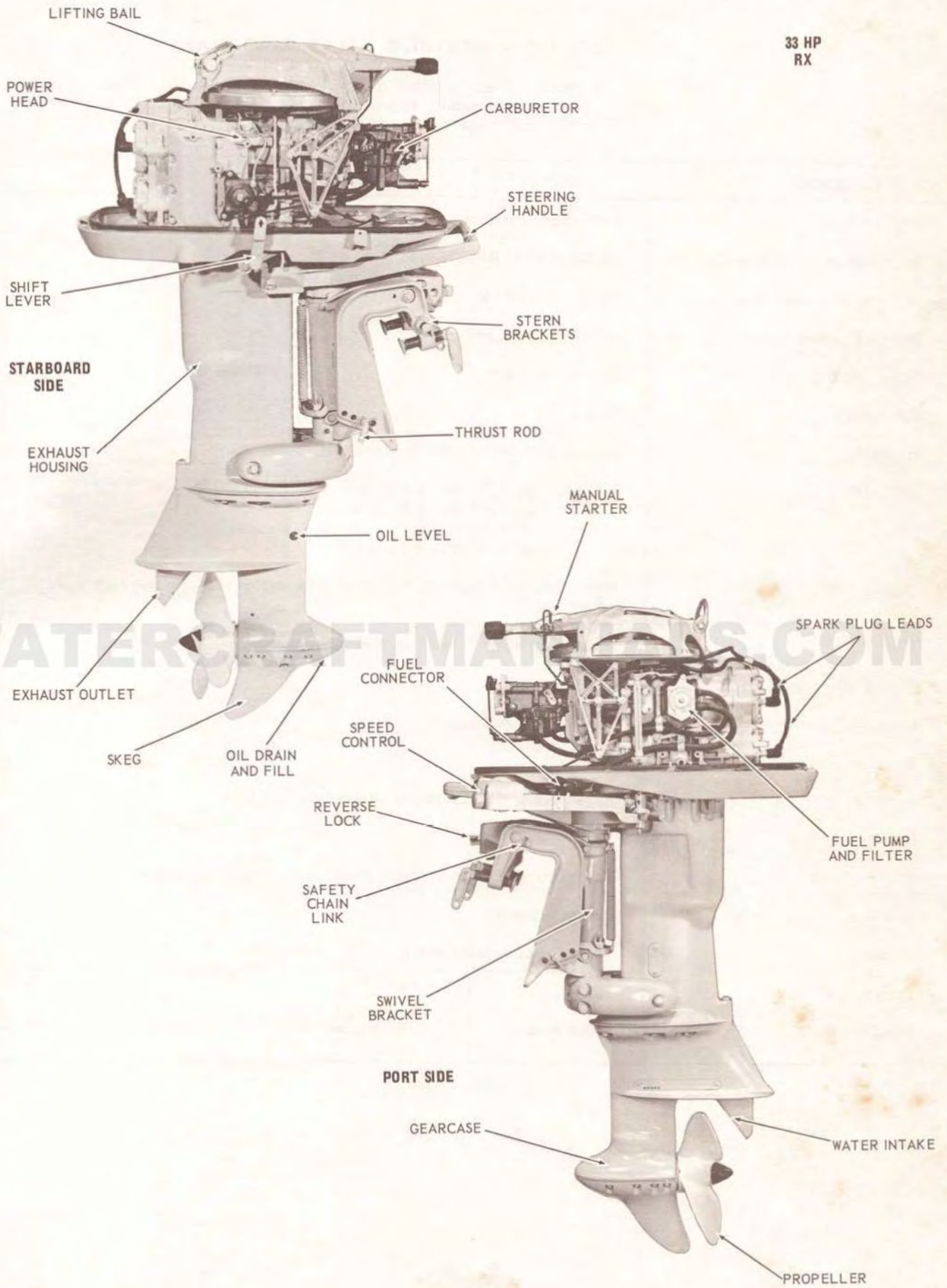


33 HP - MODELS: RX AND RXL

Powerful manual start motor in the middleweight class. For light to medium runabouts and utilities. Enough power to pull two skiers. Twins good for heavy-duty and offshore rigs.

SPECIFICATIONS	RX	RXL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	33 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	40.5 cubic inches	
Bore and Stroke	3-1/16" x 2-3/4"	
Gear Ratio	12:21	
Gearshift	Manual forward - neutral - reverse	
Propeller	3 blade: 10-1/2" dia. x 12" pitch 10-3/8" dia. x 11-1/2" pitch } Optional 10-3/8" dia. x 13-1/4" pitch } 10-3/8" dia. x 14" pitch }	
Carburetor	Single barrel sidedraft, float feed, manual choke, low and high speed adjustments	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Emergency throttle control; synchronized throttle and spark	
Steering	Remote control	
Cooling	Vari-Volume water pump	
Transom Height	15"	20"
Weight	127 pounds	131 pounds

**33 HP
RX**



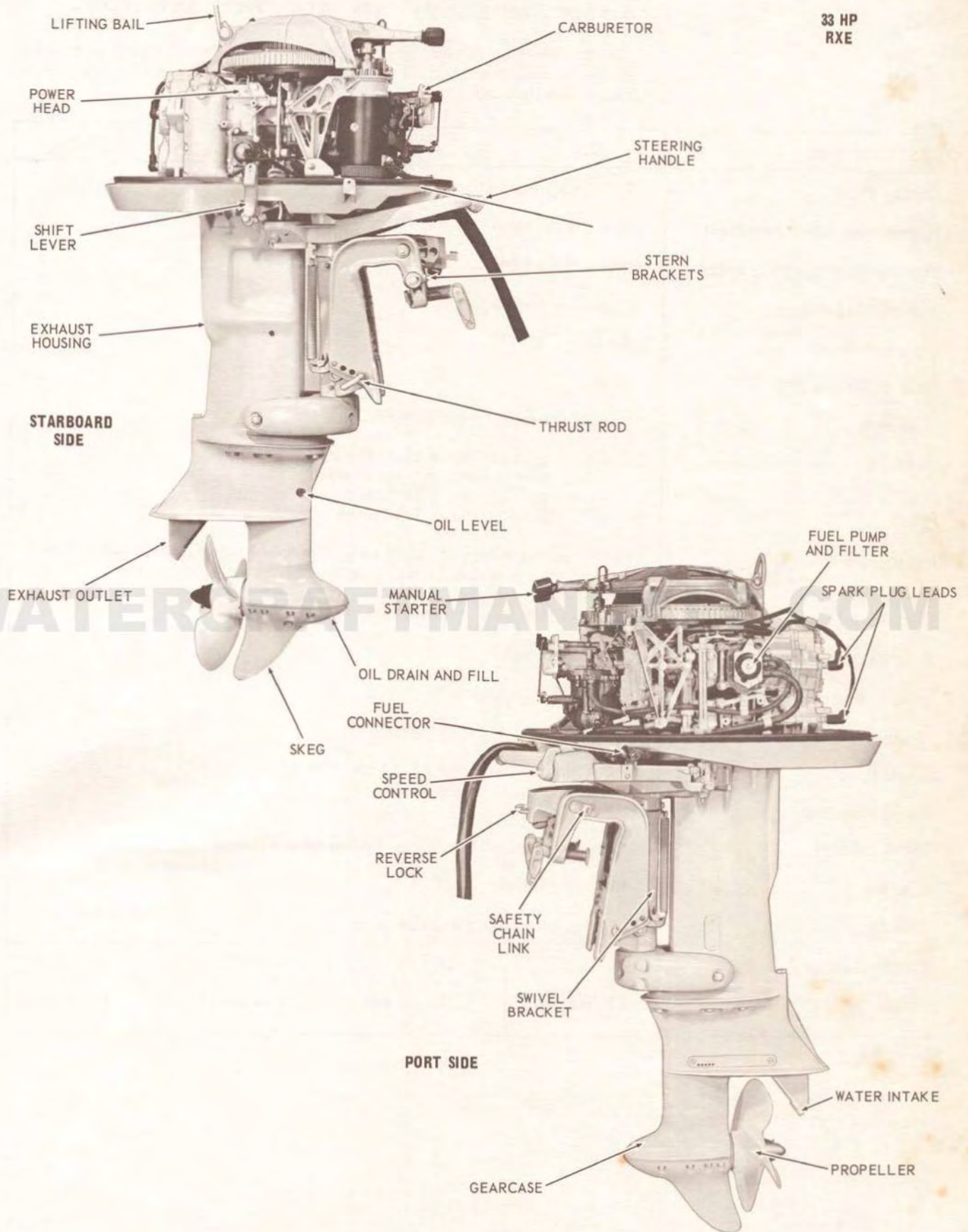


33 HP - MODELS: RXE AND RXEL

Powerful electric start motor in the middleweight class. For light to medium runabouts and utilities. Enough power to pull two skiers. Twins good for heavy-duty and offshore rigs.

SPECIFICATIONS	RXE	RXEL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	33 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	40.5 cubic inches	
Bore and Stroke	3-1/16" x 2-3/4"	
Gear Ratio	12:21	
Gearshift	Manual forward - neutral - reverse	
Propeller	3 blade: 10-1/2" dia. x 12" pitch 10-3/8" dia. x 11-1/2" pitch 10-3/8" dia. x 13-1/4" pitch 10-3/8" dia. x 14" pitch } Optional	
Carburetor	Single barrel sidedraft, float feed, manual choke, low and high speed adjustments	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Emergency throttle control; synchronized throttle and spark	
Steering	Remote control	
Cooling	Vari-Volume water pump	
Transom Height	15"	20"
Weight	140 pounds	144 pounds

33 HP
RXE

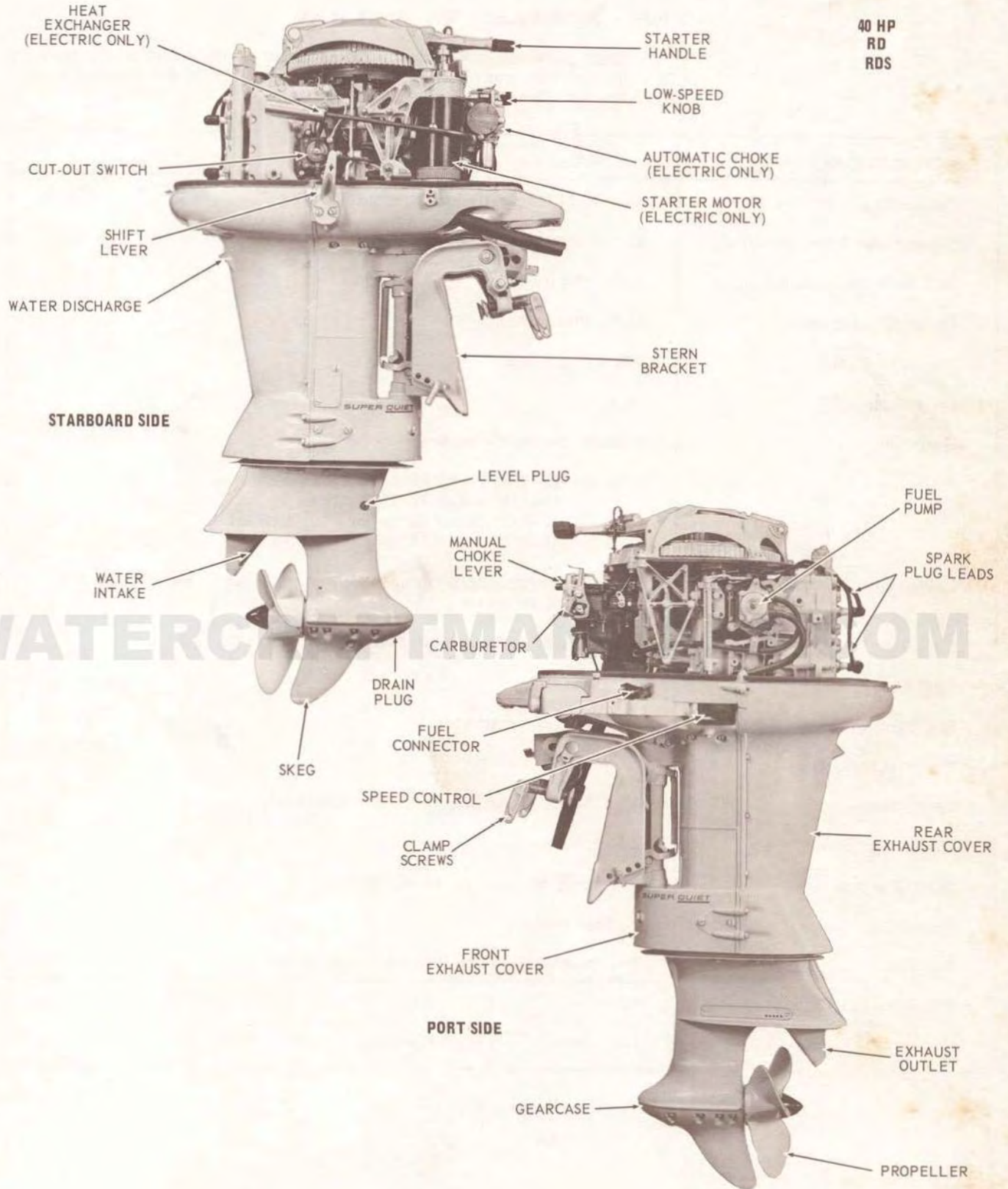




40 HP - MODELS: RD, RDL, RDS AND RDSL

Most powerful of the two cylinder motors. Ideal for light to medium cruisers, runabouts, utilities and work boats. Good water-skiing power. Twins excellent for heavy-duty and offshore.

SPECIFICATIONS	RD	RDL	RDS	RDSL
Engine Type	Two cycle, two cylinder, alternate firing			
Horsepower (OBC certified)	40.0 @ 4500 RPM			
Full throttle operating range	4000 - 5000 RPM			
Piston Displacement	43.9 cubic inches			
Bore and Stroke	3-3/16" x 2-3/4"			
Gear Ratio	12:21			
Gearshift	Manual forward - neutral - reverse			
Propeller	3 blade: 10-3/8" dia. x 13-1/4" pitch 10-3/8" dia. x 11-1/2" pitch 10-1/2" dia. x 12" pitch 10-3/8" dia. x 1/4" pitch } Optional			
Carburetor	Single barrel sidedraft, float feed, low speed adjustment; Model RD(L) manual choke; Model RDS(L) automatic choke electric assist			
Fuel Tank	Mile-Master tank; vacuum fuel system			
Fuel Tank Capacity	6 gallons U.S.			
Ignition System	Flywheel type magneto			
Breaker Point Gap	.020"			
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X			
Spark Plug Gap	.030"			
Speed Control	Emergency throttle control; synchronized throttle and spark			
Steering	Remote control			
Cooling	Thermostat and Vari-Volume water pump			
Transom Height	15"	20"	15"	20"
Weight	132 pounds	138 pounds	145 pounds	151 pounds



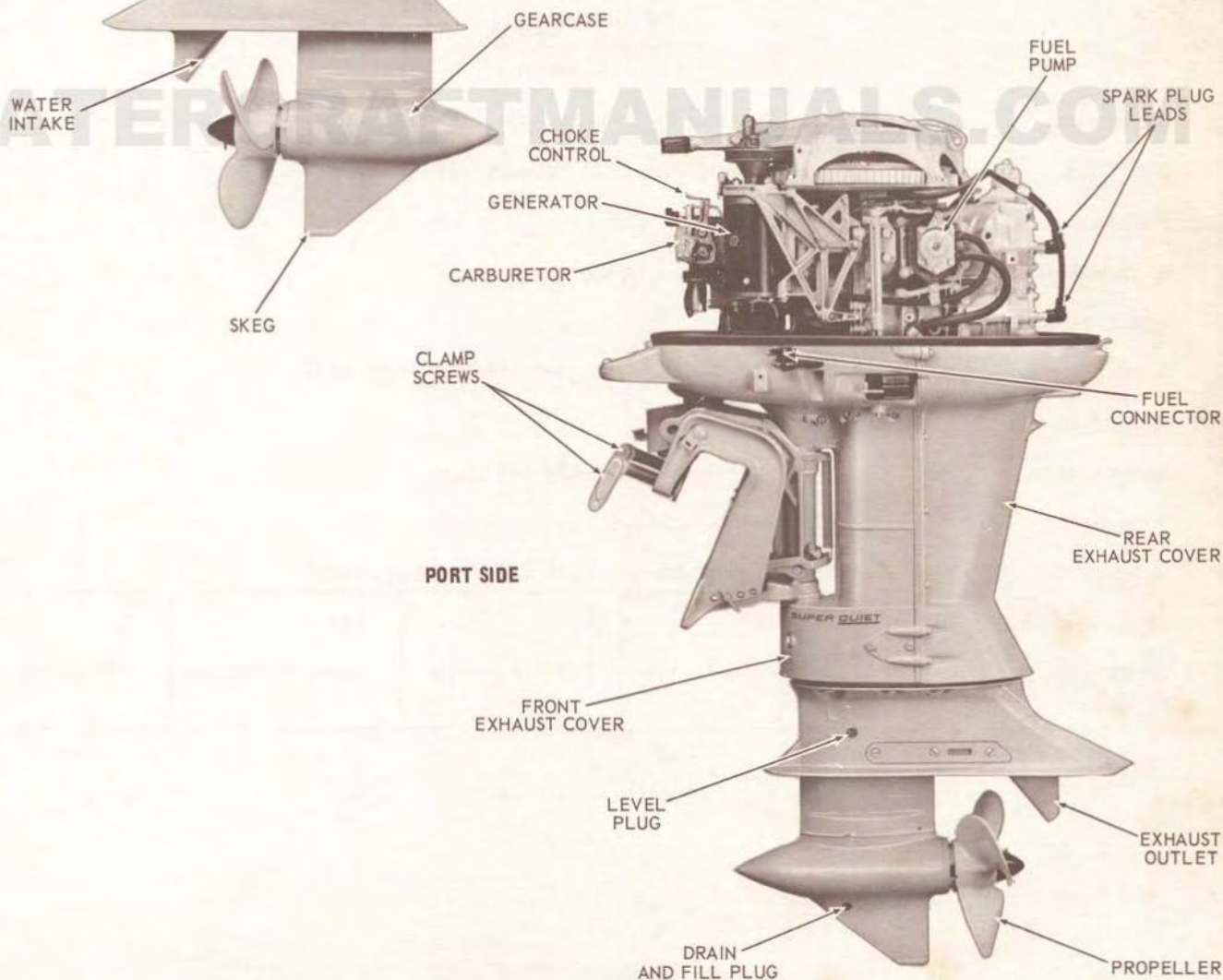
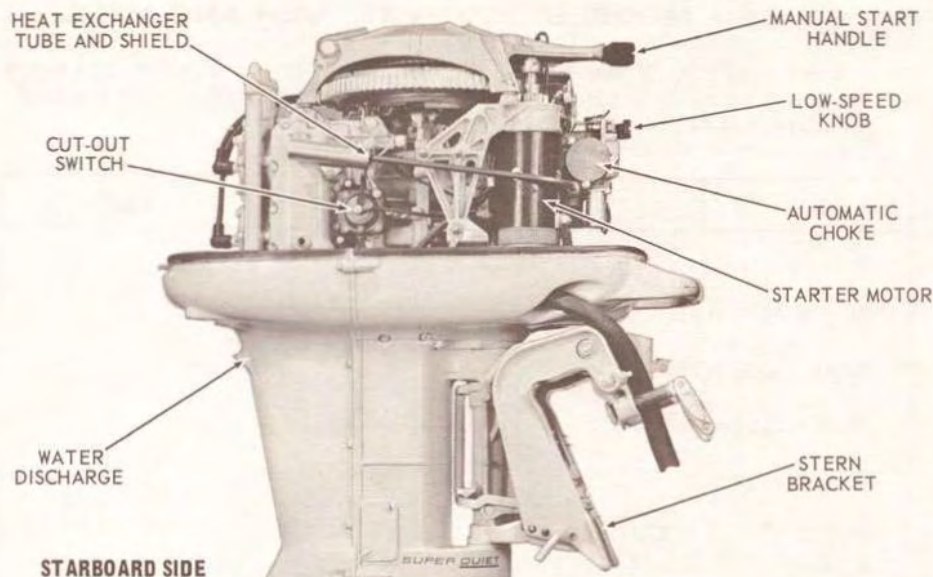


40 HP - MODELS: RK AND RKL

Most powerful of the two cylinder motors. Ideal for light to medium cruisers, runabouts, utilities and work boats. Good water-skiing power. Twins excellent for heavy-duty and offshore.

SPECIFICATIONS	RK	RKL
Engine Type	Two cycle, two cylinder, alternate firing	
Horsepower (OBC certified)	40.0 @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	43.9 cubic inches	
Bore and Stroke	3-3/16" x 2-3/4"	
Gear Ratio	12:21	
Gearshift	Electric forward - neutral - reverse	
Propeller	3 blade: 10-3/8" dia. x 13-1/4" pitch 10-3/8" dia. x 11-1/2" pitch 10-1/2" dia. x 12" pitch 10-3/8" dia. x 13" pitch } Optional	
Carburetor	Single barrel sidedraft, float feed, low speed adjustment; automatic choke electric assist	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Flywheel type magneto	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Synchronized throttle and spark	
Steering	Remote control	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	159 pounds	164 pounds

40 HP
RK

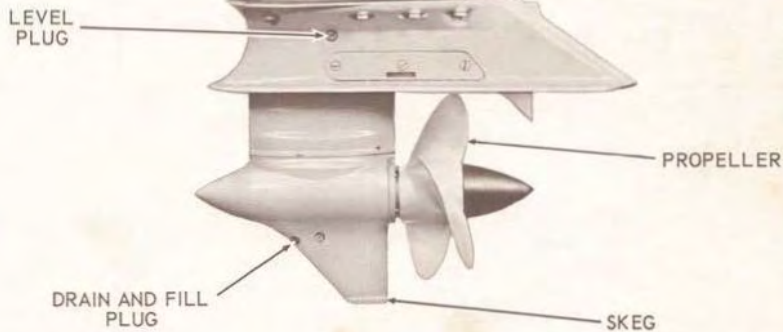
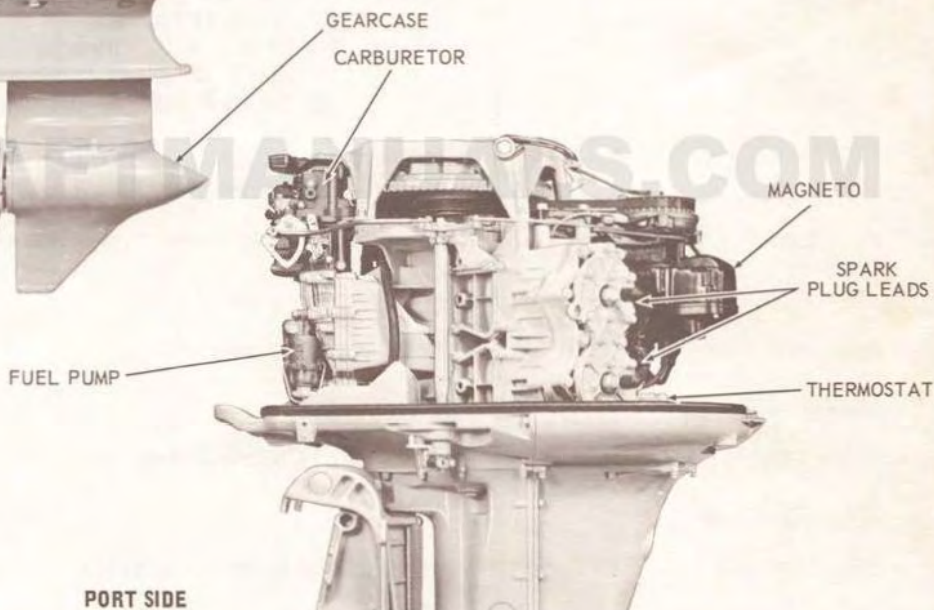
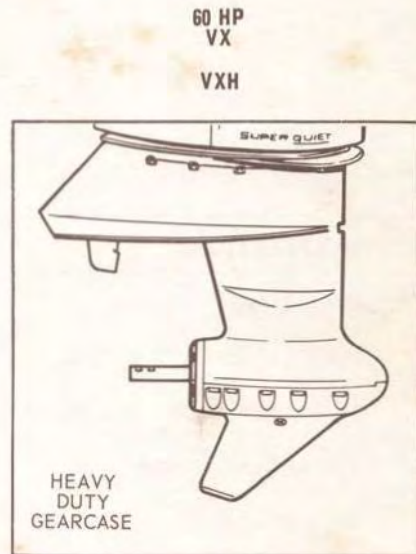
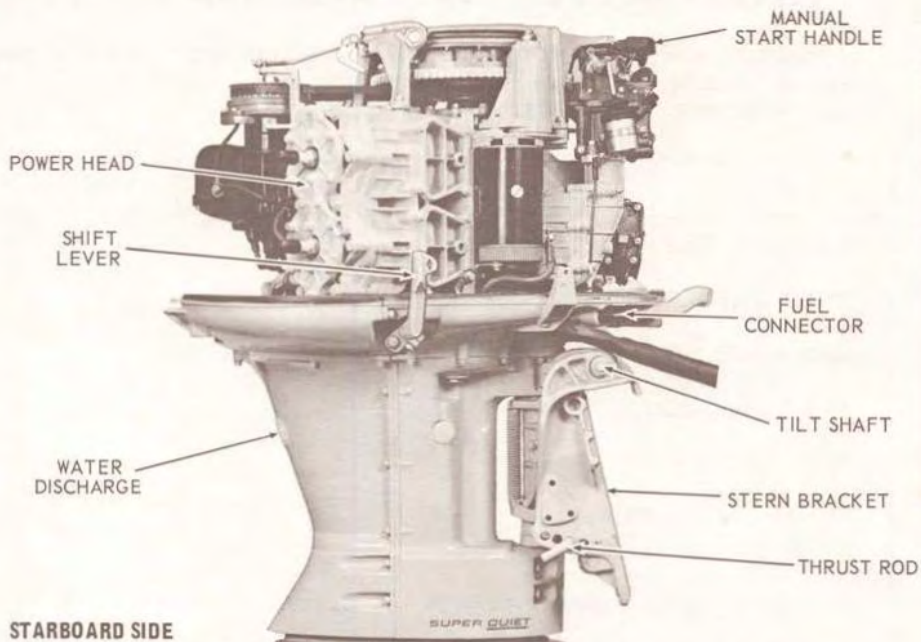




60 HP - MODELS: VX, VXL, VXH AND VXHL

Lowest priced of the V-4's. Sufficient power for medium and heavy cruisers, runabouts, house boats, and commercial craft. Good for high-performance ski boats.

SPECIFICATIONS	VX	VXL	VXH	VXHL
Engine Type	Two cycle, four cylinder V-block			
Horsepower (OBC certified)	60.0 @ 4500 RPM			
Full throttle operating range	4000 - 5000 RPM			
Piston Displacement	70.7 cubic inches			
Bore and Stroke	3" x 2-1/2"			
Gear Ratio	VX(L) 20:23	VXH(L) 17:29		
Gearshift	Manual forward - neutral - reverse			
Propeller	3 blade: 9-1/2" dia. x 10" pitch 10" dia. x 9-1/4" pitch 10" dia. x 11" pitch 10" dia. x 12" pitch 10-1/4" dia. x 10" pitch } Optional			
Carburetor	Two barrel downdraft, float feed, high and low speed adjustments			
Fuel Tank	Mile-Master tank; vacuum fuel system			
Fuel Tank Capacity	6 gallons U.S.			
Ignition System	Distributor type magneto			
Breaker Point Gap	.020"			
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X			
Spark Plug Gap	.030"			
Speed Control	Synchronized throttle and spark			
Steering	Remote control			
Cooling	Thermostat and Vari-Volume water pump			
Transom Height	15"	20"	15"	20"
Weight	225 pounds	230-1/2 pounds	230-1/2 pounds	236 pounds

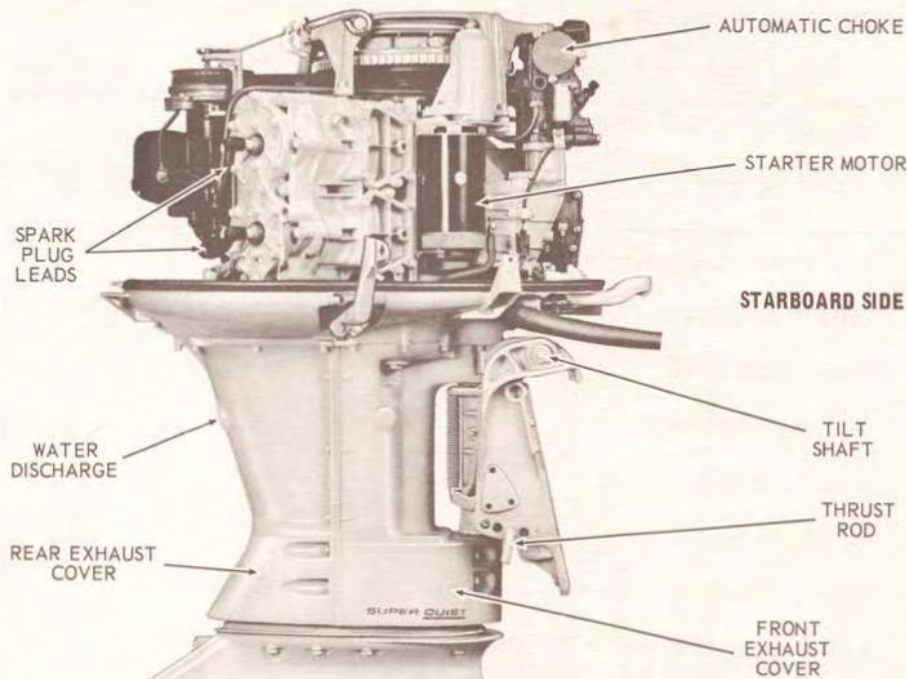




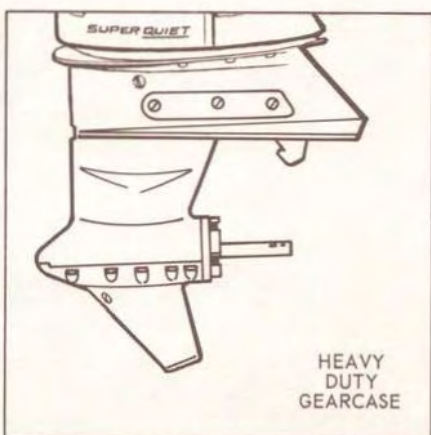
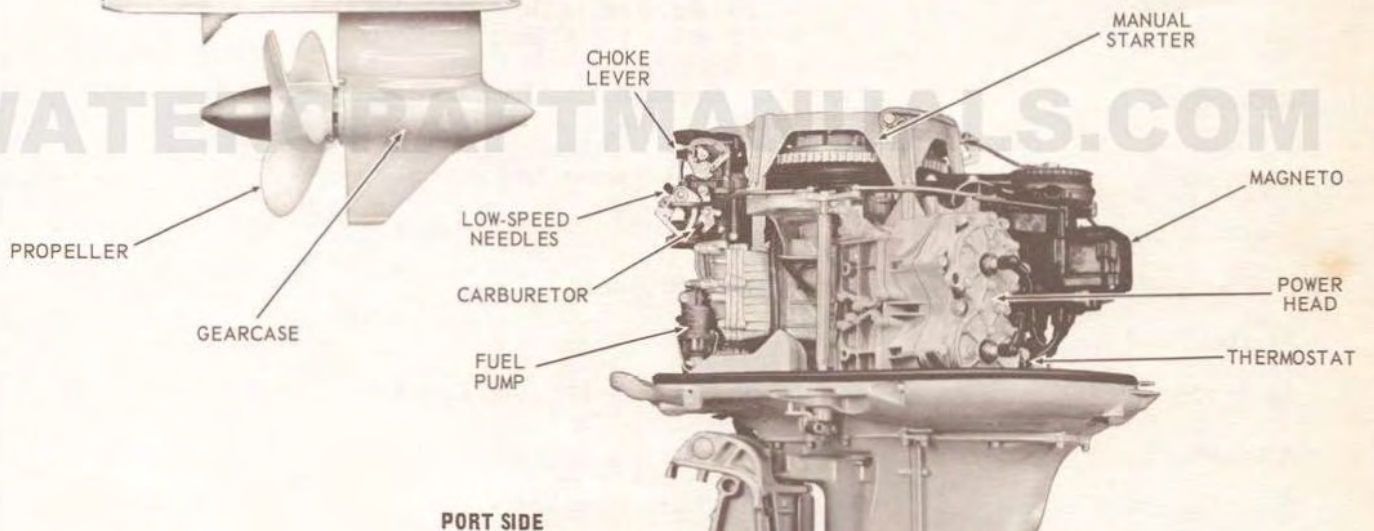
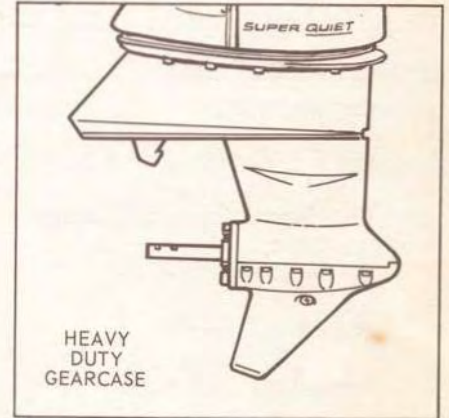
75 HP - MODELS: V4S, V4SL, V4H AND V4HL

Higher power and performance for medium and heavy cruisers, runabouts, utilities, offshore boats, and commercial craft. Excellent for high-performance ski boats.

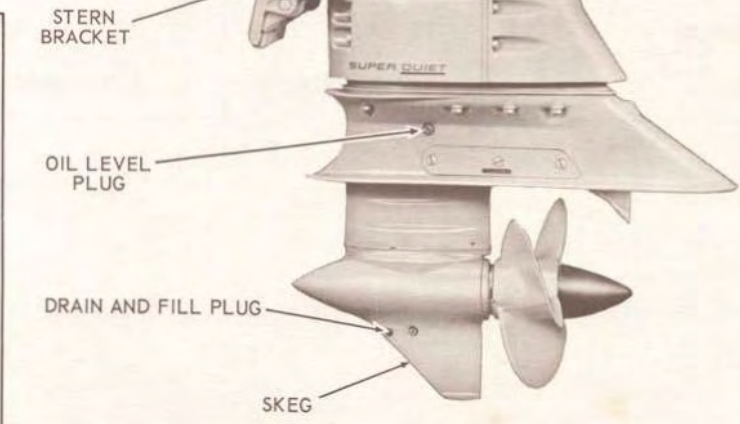
SPECIFICATIONS	V4S	V4SL	V4H	V4HL
Engine Type	Two cycle, four cylinder V-block			
Horsepower (OBC certified)	75 HP @ 4500 RPM			
Full throttle operating range	4000 - 5000 RPM			
Piston Displacement	89.5 cubic inches			
Bore and Stroke	3-3/8" x 2-1/2"			
Gear Ratio	V4S(L) 20:23	V4H(L) 17:29		
Gearshift	Manual forward - neutral - reverse			
Propeller	3 blade: 10-1/4" dia. x 10" pitch 10" dia. x 11" pitch 9-1/2" dia. x 10" pitch 10" dia. x 12" pitch 10" dia. x 9-1/4" pitch } Optional			
Carburetor	Two barrel downdraft, float feed, low speed adjustment; automatic choke electric assist			
Fuel Tank	Mile-Master tank; vacuum fuel system			
Fuel Tank Capacity	6 gallons U.S.			
Ignition System	Distributor type magneto			
Breaker Point Gap	.020"			
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X			
Spark Plug Gap	.030"			
Speed Control	Synchronized throttle and spark			
Steering	Remote control			
Cooling	Thermostat and Vari-Volume water pump			
Transom Height	15"	20"	15"	20"
Weight	226-1/2 pounds	232 pounds	231-1/2 pounds	237 pounds



75 HP
V4S
V4H



PORT SIDE



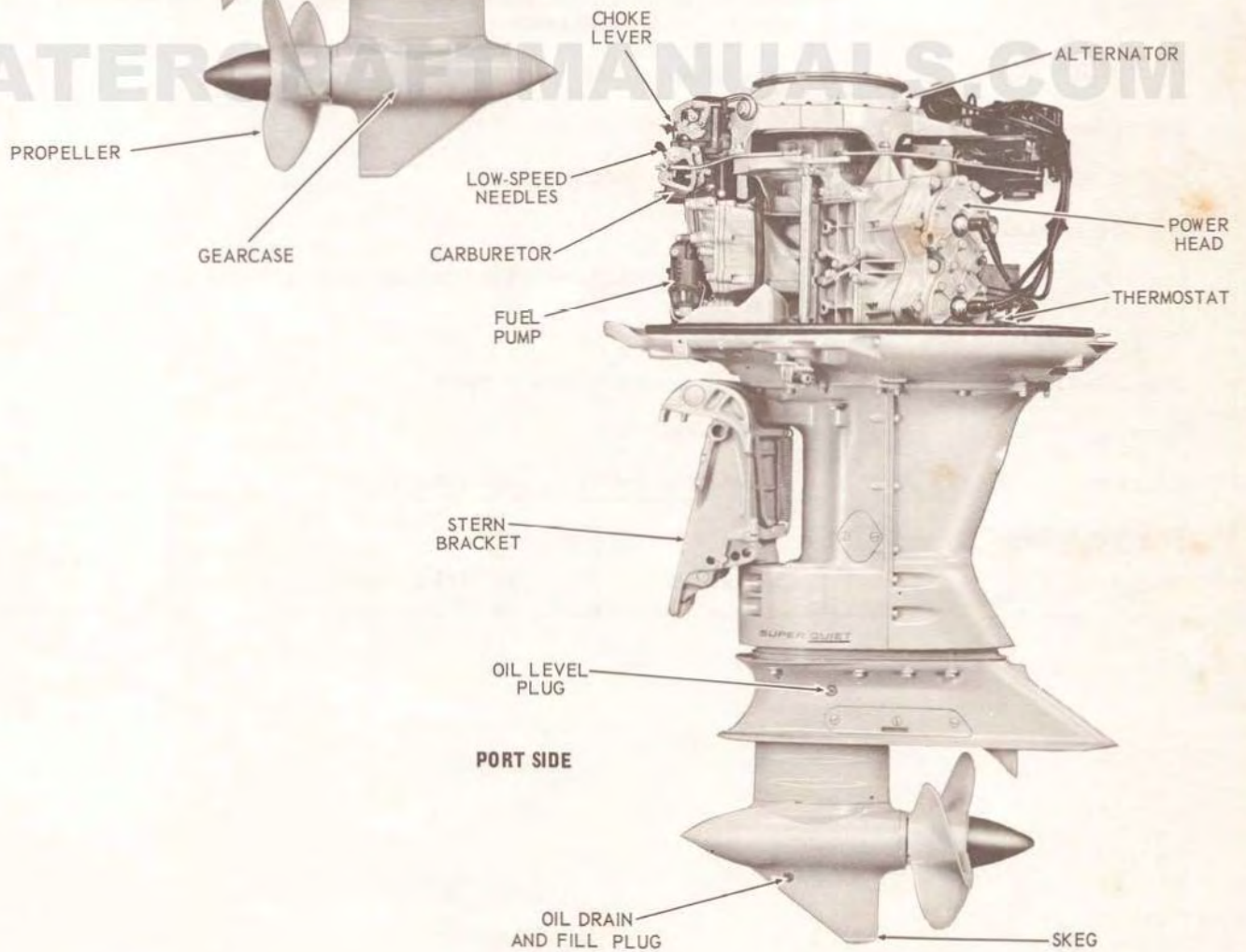
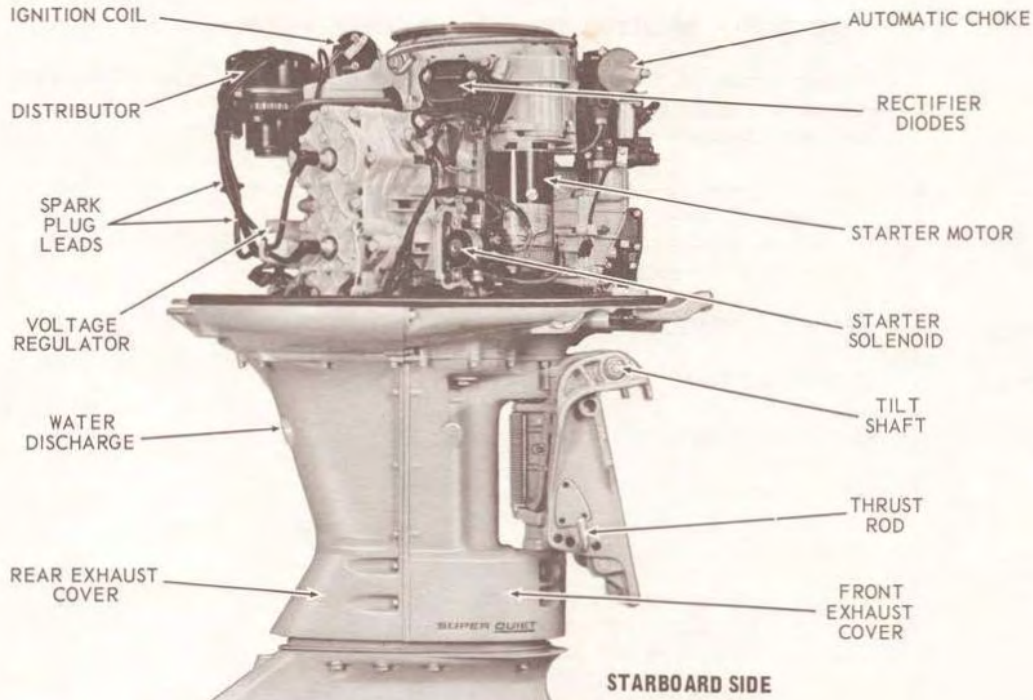


75 HP - MODELS: V4A AND V4AL

Higher power and performance for medium and heavy cruisers, runabouts, utilities, offshore boats, and commercial craft. Excellent for high-performance ski boats.

SPECIFICATIONS	V4A	V4AL
Engine Type	Two cycle, four cylinder V-block	
Horsepower (OBC certified)	75HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	89.5 cubic inches	
Bore and Stroke	3-3/8" x 2-1/2"	
Gear Ratio	20:23	
Gearshift	Electric forward - neutral - reverse	
Propeller	3 blade: 10-1/4" dia. x 10" pitch 10" dia. x 11" pitch 9-1/2" dia. x 10" pitch 10" dia. x 12" pitch 10" dia. x 9-1/4" pitch } Optional	
Carburetor	Two barrel downdraft, float feed, low speed adjustment; automatic choke Electric assist	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Battery with distributor	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Synchronized throttle and spark	
Steering	Remote control	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	240-1/2 pounds	246 pounds

75 HP
V4A



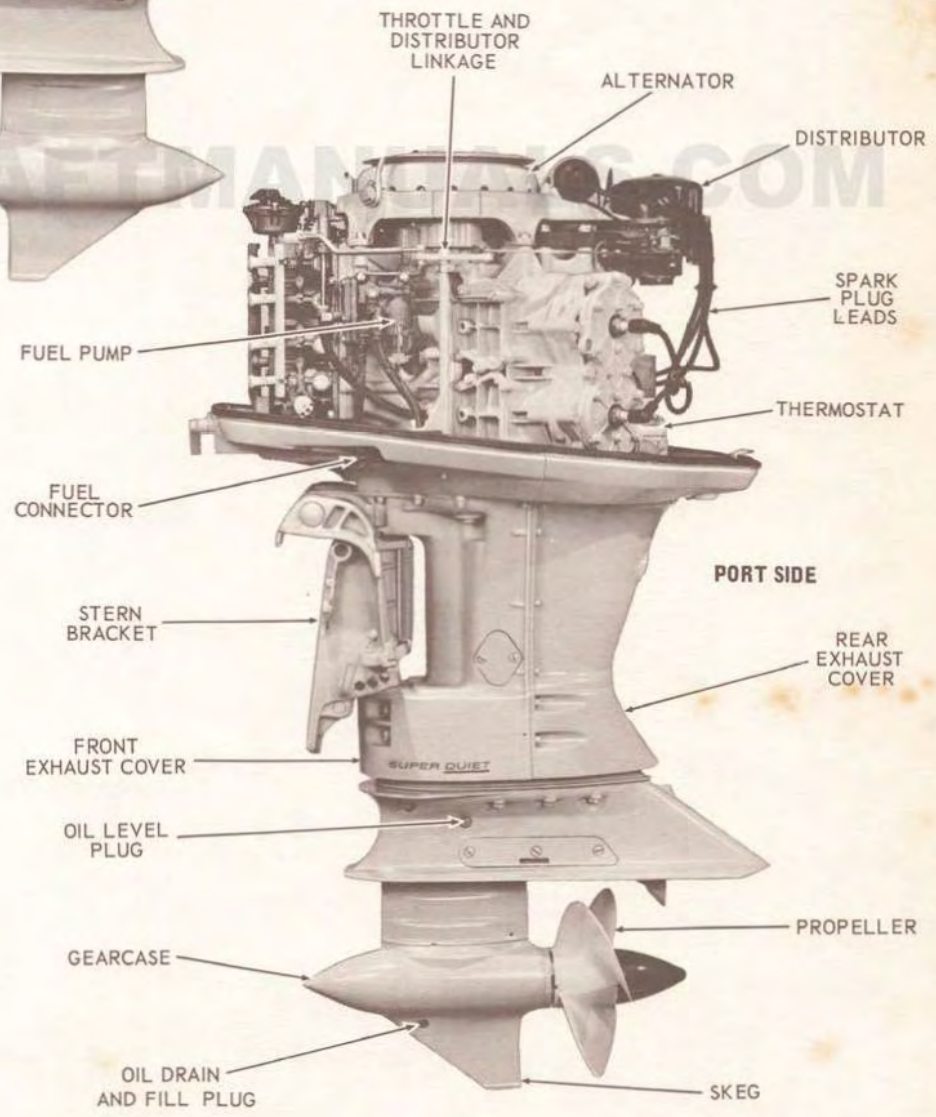
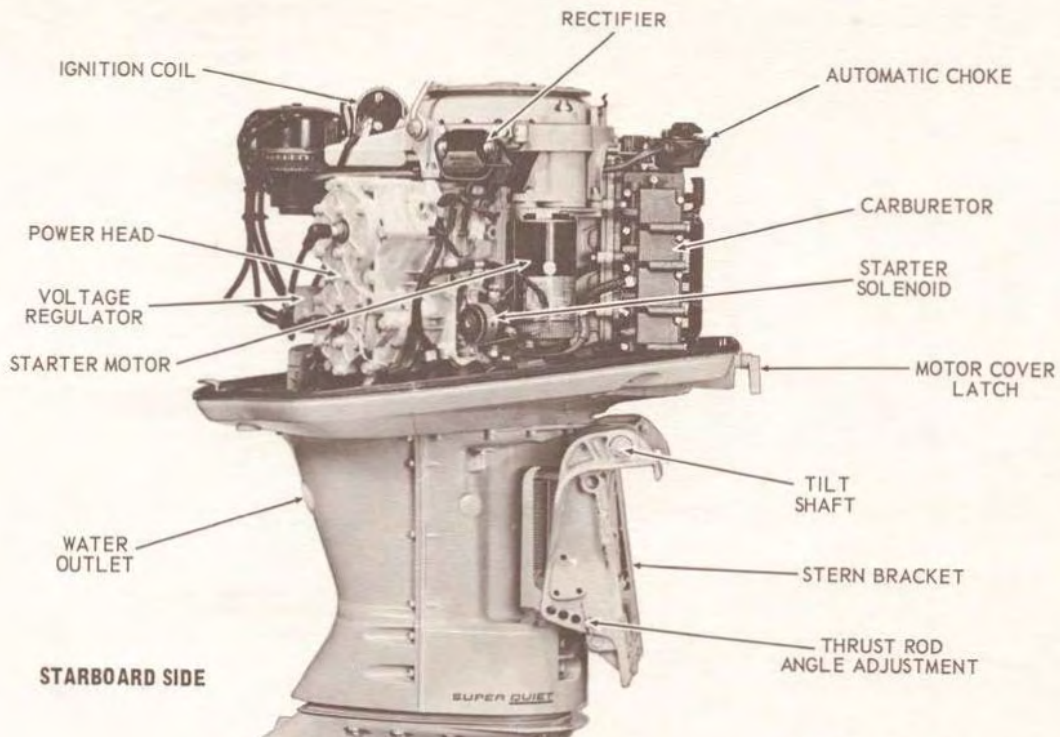


90 HP - MODELS: V4M AND V4ML

Most powerful Johnson outboard. For medium and heavy cruisers, runabouts, utilities, offshore boats and commercial craft. Ideal for high-performance ski boats.

SPECIFICATIONS	V4M	V4ML
Engine Type	Two cycle, four cylinder V-block	
Horsepower (OBC certified)	90 HP @ 4500 RPM	
Full throttle operating range	4000 - 5000 RPM	
Piston Displacement	89.5 cubic inches	
Bore and Stroke	3-3/8" x 2-1/2"	
Gear Ratio	20:23	
Propeller	3 blade: 10-1/4" dia. x 10" pitch 10" dia. x 11" pitch 10" dia. x 12" pitch 9-1/2" dia. x 10" pitch 10" dia. x 9-1/4" pitch } Optional	
Carburetor	Four barrel sidedraft, float feed, low speed adjustment, automatic choke with electric assist	
Fuel Tank	Mile-Master tank; vacuum fuel system	
Fuel Tank Capacity	6 gallons U.S.	
Ignition System	Battery with distributor	
Breaker Point Gap	.020"	
Spark Plug	AC - M42K; Champion J4J; Auto-Lite A21X	
Spark Plug Gap	.030"	
Speed Control	Synchronized throttle and spark	
Steering	Remote control	
Cooling	Thermostat and Vari-Volume water pump	
Transom Height	15"	20"
Weight	242 pounds	247-1/2 pounds

90 HP
V4M



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