

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1949

QD-10 Released for production.

1950

QD-11 New gears and bushing for gearcase, stamped leaf used in place of etched leaf valves.

1951

QD-12 Standard magneto - cam - lower unit.

RD-10 Released for production.

RD-11 New oil retainer housing with pin.

1952

QD-13 New H. T. lead spring.

RD-12 Remove cut out switch - new throttle cam throttle valve, calib. holes - remove air horn.

RD-13 Revised choke rod - new throttle shaft and arm assembly.

1953

QD-14 Twist grip control - spring mounting replaces rubber mounting. Remote control hook up. Reverse exhaust relief removed.

QD-14A Silver plated connecting rod.

RD-14 Removeable pilot shaft. Remote control hook up new grip.

## SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
<u>1954</u>	
JW-10	Released for production.
CD-10	Released for production.
CD-11	Remote control hook up. Free turning armature plate.
QD-15	New carburetor, manifold and throttle gun. Quick opening shroud - air silencer.
RD-15	New shift rod connector and shift rods - cover removed from exhaust tube.
RD-15A	New shift rod lever clip and screw.
RD-16	To standardize on case parts required for RDE motor. Carb. changed. Cut out switch added.
RDE-16	Released for production.
RD-RDE-16A	New slow speed needle valve and bushing. Change carb. body.

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## SEA HORSE OUTBOARD MODEL RELEASES

ModelChange1955

JW-11	35 degrees spiral gears.
JW-11A	Nylon starter rope.
CD-12	35 degrees spiral gears.
CD-12A	Nylon starter rope. Rubber mount replaces spring mount. Special purpose tooling cylinder and crankcase. New reverse lock.
QD-16	Rubber mounted lower unit and front end of shroud close in under shrouds.
QD-16A	Nylon pin for vertical control shaft and gear silencer (lower ball) - 203683 replaces 203353 - 1/4x11/16 screw replaces 132346.
QD-16B	Nylon starter rope.
RD-RDE-17	Rubber mounted lower unit - quick opening shrouds - closed in under shrouds - air silencer.
RD-RDE-17A	Nylon pin for vertical control shaft and gear.
RD-RDE-17B	Nylon starter rope.
RD-RDE-17C	Screw pivot pin for skeg.
RD-RDE-17S	New upper and lower bearing and seal. New washer head screw and nipple cast in place - cut out switch.
RD-RDE-17R	Larger thrust washer to salvage oversize hole in cylinder.

## SEA HORSE OUTBOARD MODEL RELEASES

ModelChange1956

JW-12	New mounting bracket and control panel. Color change. New single pawl starter.
JW-12R	Anti-rattle starter. Fish line cutter.
CD-13	Single pawl starter - rubber mounted closed in under shroud - sealed magneto manual con- trolled reverse lock. Color change.
CD-13A	Anti-rattle starter. New throttle gears. Fish line cutter.
AD-10	Released for production.
AD-10M	Anti-rattle starter. New throttle gears. Fish line cutter.
QD-17	Single pawl rope starter - new air silencer sealed in magneto - color change.
QD-17B	Anti-rattle starter. New throttle gear.
QD-17R	New slip clutch design. Fish line cutter.
FD-FDE-10	Released for production.
FD-FDE-10L	Anti-rattle starter. New throttle gear.
FD-FDE-10S	New slip clutch design. Fish line cutter.
RD-RDE-18	Fuel economy - increased compress ratio - 25 to 30 H.P. larger output and sealed in magneto - color change.
RDE	Released for production.
RD-RDE-18E	Anti-rattle starter. Carbon seal lower journal. Cast throttle gear. Nylon idle screw.
RD-RDE-18C	New slip clutch design. Fish line cutter.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1957

JW-13	New transfers and paint. Small venturi eliminated in carburetor.
CD-14	New transfers and paint. New grip-steering handle. Cam follower changed on carburetor. New gas tank (eliminates push rod corrosion).
AD-11	New transfers and paint. New grip-steering handle. New gas tank (eliminates push rod corrosion).
QD-13	New transfers, paint, idle stop screw and prop. New grip-steering handle adapted for carrying handle kit accessory new gas tank (eliminates push rod corrosion) die cast piston replaces permanent mold piston.
QD-18H	New seal for gearcase head. New pivot pin and gearcase assembly.
FD-FDI-11	New styling H.P. increased from 15 to 18 - 12 volt system replaces 6 volt, new magneto, and plug in connector for electric starting steering handle removed from electric model. New grip-steering handle for rope model. New gas tank (eliminates push rod corrosion).
FD-FIE-11K	New seal for gearcase head. New pivot pin and gearcase assembly.
RD-10E-19	New styling - H.P. increased from 30 to 35. 12 volt starter plug in cable, adapted for generator accessory kit and separate fuel filter added. New gas tank (eliminates push rod corrosion).
RD-RJE-19M	Improved adjusting throttle linkage.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1958

JW-14	Change of some transfers, paint, control knobs and printing of shipping cartons.
CD-15	Changed some transfers, paint, control knobs and printing on shipping cartons. Rolled spline prop. shaft and mating spline shifter clutch.
AD-12	Change some transfers, paint, control knobs and printing on shipping cartons. Rolled spline prop. shaft and mating spline shifter clutch. New cylinder and crankcase assembly.
QD-19	Changed some transfers, paint, control knobs and printing on shipping cartons. New ignition shorting switch. 10 H.P. powerhead on 7½ H.P. lower unit rolled spline prop. shaft and mating spline shifter clutch.
FD-FDE-12	Change of some transfers, paint, control knobs and printing of shipping cartons. New ignition shorting switch (FD). New key type ignition and starting switch (FDE). Quiet gears. Rolled spline prop. shaft and mating spline shifter clutch.
RDS-20	Released for production.
RD-RDE-19C	Changed some transfers, paint, control knobs and printing of shipping cartons. New key type ignition switch (RDE). New ignition shorting switch (RD). New tilt lock. Larger roller bearing for conn. rod. Rolled spline prop. shaft and mating spline shifter clutch.
V-VAE-10	Released for production.
V-VAE-10H	New safety latch assembly for lower unit.

SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
<u>1959</u>	
JW-15	New transfers, paint and printing of cartons.
CD-16	New transfers, paint, shift handle, grip, fiberglass shroud and printing of cartons. Rubber mounted lower motor cover, separate fuel filter - concentric carb. Control knobs, thermostat controlled water cooling and needle brg. - conn. rod.
QD-20	New transfers, paint, shift handle, grip, fiberglass shroud and printing of cartons. Rubber mounted lower motor cover. Thermostat controlled water cooling.
FD-13	New transfers, paint, shift handle, grip, fiberglass shroud and printing of cartons. Rubber mounted lower motor cover. Thermostat controlled water cooling.
FD-13R	Gears revised to use 12:21 ratio in place of 15:26 ratio to eliminate breakage.
RD-RDS-21	New transfers, nameplates, shift handle, grip, fiberglass shroud, remote control boss and printing of cartons. Wrist pin bearings, conn. rod needles and retainers. Heavied up flywheel.
RD-RDS-21B	New key-flywheel, conn. rod needle, retainer, crankshaft and conn. rod and piston.
V4-V4S-11	Styling - new transfers, nameplates, fiberglass shroud, grip and paint. Safety switch assembly.
V4-V4S-11B	New bearings and revised linkage.

## SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
<u>1960</u>	
JW-16	New transfers.
CD-17	New trim and transfers. Fuel pump suction system 6 gal. tank. New style push-on plastic adjusting knob.
QD-21	New trim and transfers. Fuel pump suction system. 6 gal. tank motor fasteners revised.
QD-21S	New pinion, gear and driveshaft - increase strength of teeth - eliminate breakage of driveshaft at key-way.
FD-14	New trim and transfers. Fuel pump suction system 6 gal. tank.
FD-14B	Improved tilt adj. and strengthened stern brackets.
RD-RDS-22	New transfers, trim and propeller. H.P. increased from 35 to 40. New automatic choke. Improved rubber mounting.
RD-RDS-22C	New connecting rod screw.
V4S-12	New trim, propeller, gearcase and automatic choke. H.P. increased from 50 to 75. New transom mounting.
V4S-12S	New retainer and spring washer for shock pin - swivel bracket.

## SEA HORSE OUTBOARD MODEL RELEASES

ModelChange1961

JW-17	New paint and transfers (1961).
CD-18	New motor cover, transfers, paint and trim.
CD-18F	Fuel pump changed-to prevent fuel pump failure at idle running.
CD-18S	Stern brackets changed-to prevent swivel plate from stripping threads of clamp screw when tightened.
QD-22	Improved wrist pin bearings and automatic vent in gasoline tank, new motor cover, transfers, paint and trim.
QD-22F	Fuel pump changed-to prevent fuel pump failure at idle running.
QD-22S	Stern brackets changed-to prevent swivel plate from stripping threads of clamp screw when tightened.
FD-15	Wrist pin bearing and auto vent in gasoline tank, new motor cover, transfers, paint and trim.
FD-15F	Fuel pump changed-to prevent fuel pump failure at idle running.
RD-RDS-23	New motor cover, transfer, paint and trim. Noise reduction, fixed orifice, improved linkage, temp. warning, wrist pin bearing, auto. vent valve in gasoline tank and eliminate steering handle. New cable for RDS.
V4S-V4A-13	V4A released for production (alternator). New motor cover, transfers, paint and trim. New cable, fixed orifice, temp. warning, safety switch, auto. vent-gasoline tank, and pinion thrust bearing. One piece drive-shaft and wrist pin bearing.
V4S-V4A-13C	New filler block screws for crankshaft. To prevent breakage during assembly.
V4A-13F	Flywheel dome contour revised. To prevent breakage.

## SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
<u>1962</u>	
JW-17	To continue JW-17 model through 1962.
JW-17C	Improved exhaust relief.
JW-17S	New stern bracket assembly.
CD-19	New trim and transfers.
CD-19S	To use 1962 improvements.
QD-23	New trim and transfers.
QD-23R	To use 1962 improvements.
QD-23A	New carburetor to provide automatic full throttle opening adjustment due to addition of silencer on carburetor.
FD-16	New trim and transfers.
FD-16A	To use 1962 improvements.
RX-10C	Released for production.
RX-10R	Model reinstated. Improved cut-out switch.
RD-RDS-24M	New trim and transfers.
RD-RDS-24	New trim. Adapter for mounting vacuum cut-out switch with three screws mounting carrying handle eliminated and improved mounting for starter motor. Generator pulley on flywheel for RD.
RK-2	Released for production.
RDS-RK-24B	Improved linkage permits adjustment of throttle arm to cam follower with generator assembled. Common carburetor set up.
RD-RDS-RK-24L	Switch improved on remote control to eliminate forward and reverse coils actuating at same time on electric shift models. Improved mounts and stabilizers required to prevent breakage of motor parts during sharp turns.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1962 (con't)

V4S-14B

New trim.

V4A-14

New trim - carrying handle removed. Improved starter motor mounting. Electric clutch replaces manual shifting and remote control added to V4A.

V4A-14L

Switch improved on remote control to eliminate forward and reverse coils actuating at same time.

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## SEA HORSE OUTBOARD MODEL RELEASES

ModelChange1963

JW-18R	Mounting for accessory fuel pump. New carburetor eliminates need of high speed adj. New transfers.
CD-20C	New tilt handle.
CD-20R	To improve lubrication, sealing and prevent breakage of swivel bracket.
QD-24M	New tilt handle and some transfer changes.
QD-24B	To improve lubrication, sealing and prevent breakage of swivel bracket.
FD-17M	New motor cover and tilt handle.
FD-17B	To improve lubrication, sealing and prevent breakage of swivel bracket.
RX-11A	New trim and transfers. Larger return oil drain screens and revised crankcase.
RD-RDS-RK-25D	New trim and transfers. Larger oil return drain screens, new starter motor for RDS and RK - Cost reduction. RD engine revised to permit easier conversion to an electric start engine.
V4S-15S	New trim.
V4S-15C	New starter motor.
V4A-15E	New trim and transfers. New starter motor.
V4S-15N	New style upper gearcase - water by-pass and water intake.

SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
	<u>1964</u>
JW-19A	New trim and transfers. Improved mid section design, shorter stem-fuel shut off valve.
JH-19A	Released for production 3 H.P. (1964). Same as JW except gearcase unit with higher thrust and 90 degree angle drive.
JW-JH-19M	Rubber fuel line replaces copper fuel line.
CD-21A	Improved carburetion with fixed high speed orifice. New trim, transfers and motor cover assembly complete. Fuel routing revised. New fuel pump.
NQ-10S	Released for production 9 1/2 H.P. (1964) manual start low profile motor designed to produce as compact and lightweight a unit as possible.
NQ-10R	Redesigned stem and swivel brackets. Gear cone angle changed from 22 degrees to 30 degrees. To eliminate locking and breakage.
FD-18E	Improved carburetion with fixed high speed orifice. New trim, transfers, and motor cover assembly complete. Fuel routing revised. Improved shorting switch. New fuel pump.
RX-12M	New trim and transfers. Improved stern brackets. Manual starter wiring appearance. New fuel pump and filter - re-routing of fuel hoses relocated vacuum switch. Improved shorting switch.
RD-RDS-RK-26S	New trim and transfers. Improved stern brackets manual starter and wiring appearance. New fuel pump and filter. Re-routing of fuel hoses. Relocated vacuum switch. Hot air choke. Improved drive shaft misalignment. Improved shorting switch. (RD)
RD-RDS-RK-26R	Improved overall performance and decrease fuel consumption throughout the speed range.
VX-10S	Released for production 60 H.P. (1964), consists basically of the 60 H.P. Gale powerhead and the electric start 75 H.P. lower unit for 1964.
VXH-10S	Released for production 60 H.P. (1964) heavy duty lower unit.

SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
	<u>1964 (con't)</u>
V4S-16A- V4A-16D	Improved wiring appearance and powerhead alignment. Hot air choke, new trim. Alt. coil relocated. New junction box assembly with improved voltage regulator.
V4H-16A	Released for production 75 H.P. (1964). Heavy duty lower unit.
V4M-10S	Released for production 90 H.P. (1964). Electric shift model with 12 volt alternator electrical system. Uses same lower unit as 75 H.P. alternator model.
V4M-10R	To eliminate water leakage under motor cover which caused rusting of the choke shaft.
V4M-10A	New carburetor to improve performance.

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SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1965

JW-JH-20B	1965 styling.
LD-10S	5 H.P. released for production with 3 H.P. exhaust housing and 90 degree gearcase assy.
CD-22M	H.P. increased from 5 1/2 to 6. Improved rope start and flywheel. New motor cover, trim, transfers, steering bracket, cylinder head, fuel pump, armature plate and carburetor. Revised stern brackets.
MQ-11C	New trim, transfers, and fuel pump.
FD-19D	New trim, transfers, and fuel pump.
RX-RXE-13B	H.P. increased from 23 to 33. New trim, transfers, fuel pump and carburetor. Improved pinion and bearings in gearcase. Parts required for conversion of rope model to electric start model eliminated.
RD-RDS-RK-27A	New trim, transfers and fuel pump. Junction box revised. New design remote steering bracket adaptable to push-pull and rope steering units.
RD-RDS-27M	New shift lever and bushings added to prevent wear of shifter lock.
VX-VXH-11C	New trim and transfers.
VX-11A	Snap shift action added to improve shifting.
V4S-V4H- V4A-17S	New trim, transfers, junction box (Electric start) and lower front motor cover (Electric start). New design remote steering bracket adaptable to push-pull and rope steering units. Junction box eliminated. (Alt.)
V4S-17R	Snap shift action added to improve shifting.
V4M-11C	New trim and transfers. Junction box eliminated. New design remote steering bracket adaptable to push-pull and rope steering units.

## SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
<u>1966</u>	
JW-21E	New grip and transfers. Improved cylinder and crankcase. Strengthened exhaust housing.
JH-21E	New grip and transfers. Improved cylinder and crankcase. Strengthened exhaust housing.
LD-11C	New transfers. Improved stern brackets. Redesignated motor cover latching, vinyl steering grip.
LD-11R	New oil seal to prevent fuel mixture leakage into armature plate.
CD-23B	New transfers. Improved gear latch and stern brackets. One piece driveshaft - Redesignated motor cover latching.
CD-23E	New oil seal to prevent fuel mixture leakage into armature plate.
MQ-12A	Improved motor isolation system and tilt lock mechanism. Revised motor cover styling, steering handle adj. stop, carburetor and linkage. Throttle friction and idle adjustment relocated. Redesignated motor cover latching.
FD-20C	H.P. increased from 18 to 20. Revised styling. High cut-pull coil. Relocated full advance stop.
RX-14D	Motor cover styling revised. Improved exhaust housing. New shift lever and bushings, stamped lift bracket, and armature plate.
RXE-14D	Motor cover styling revised. Improved exhaust housing. New shift lever and bushings, stamped lift bracket, and armature plate. Fuel savings. Spring loading increased on cut-out switch. New junction box with toggle choke switch.
RX-RXE-14R	New carburetor to correct rich condition in mid-range operation of engine.
RD-28B	Motor cover styling revised. New stamped lift bracket and armature plate. New carburetor.
RDS-28B	Motor cover styling revised. New stamped lift bracket and armature plate. New carburetor with revised choke housing.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1966 (con't)

RK-28B	Motor cover styling revised. New stamped lift bracket and armature plate. New carburetor with revised choke housing. Recoil starter eliminated.
VX-12R	New trim and transfers. Sound blankets added to motor cover. Improved carburetor and throttle linkage. New junction box with toggle choke switch.
VX-12M	Johnson U.S.A. Management decision to build approximately 500 extra 1966 models (standard and long) with 1966 paint, trim, and stern brackets. 1967 motor features 6 amp alternator battery ignition, junction box eliminated, emergency rope replaces rewind starter.
VXH-12R	New trim and transfers. Sound blankets added to motor cover. Improved carburetor and throttle linkage. New junction box with toggle choke switch.
V4S-18C	H.P. increased from 75 to 80. Motor cover styling and stern brackets revised. New carburetor and improved throttle linkage. New magneto.
V4A-18C	H.P. increased from 75 to 80. Motor cover styling and stern brackets revised. New carburetor and improved throttle linkage. New distributor.
V4ML-12R	H.P. increased from 90 to 100. 20" transom (long) unit. Improved crankcase oil drainage. Heavy duty lower unit. Increased tilt position. New trim, transfers and distributor.
V4ML-12M	Improved oil pump and piloting between extension and gearcase.

## SEA HORSE OUTBOARD MODEL RELEASES

ModelChange1967

JW-JH-22S	New transfers and paint.
JWF-JHF-22S	Released for 1967 production. (Folding lower unit.)
LD-12A	New styling, paint and tilting lever assembly. Smaller, more versatile fuel pump. Improved throttle (friction) linkage. Straight water tube replaces bent water tube.
CD-24D	New styling and paint, Smaller, more versatile fuel pump.
CD-24S	New improved oil retainer - gearcase.
MQ-13M	New trim, motor cover assembly and lower unit paint color. Revised steering handle. Improved over-all engine idle and throttle control system.
MQ-13B	New improved oil retainer - gearcase.
FD-21R	New styling, paint and improved throttle cam.
RX-RXE-15S	New styling and paint. Outer exhaust cover strengthened. Different dash panel. Improved shifter clutch dog.
RX-RXE-15C	Snap shift feature.
RD-29E	New transfers, appliques, paint and dash panel. Strengthened gearcase and outer exhaust cover. Snap shift feature.
RDS-29E	New transfers, appliques, paint and dash panel. Strengthened gearcase and outer exhaust cover. Eliminated junction box and throttle control lever. Idle stop relocated. Snap shift feature. New carburetor.
RK-29E	New transfers, appliques, paint and dash panel. Strengthened gearcase and outer exhaust cover. Eliminated junction box. Idle stop relocated and added. New carburetor.
VX-VXII-13A	New transfers, paint, appliques, and dash panel. 6 amp alternator added. Battery ignition replaced magneto. Junction box eliminated. Rewind starter replaced by emergency rope.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1967 (con't)

V4S-19R	New transfers, appliques, paint, carburetor and dash panel. 6 amp alternator added. Battery ignition replaces magneto. Junction box eliminated and rewind starter replaced by emergency rope.
V4A-19R	New transfers, appliques, paint, carburetor and dash panel. 15 amp alternator replaces 20 amp.
V4S-19M	Revised leaf plate base to improve manifold drainage which reduces spark plug fouling at low speeds.
V4A-19M	Revised leaf plate base to improve manifold drainage which reduces spark plug fouling at low speeds.
V4TL-13A	Released for production (1967) 100 H.P. unit with C.D. ignition system. Long model released 3-66. Management decision to build standard length model 11-66.

SEA HORSE OUTBOARD MODEL RELEASES

<u>Model</u>	<u>Change</u>
	<u>1968</u>
SC-10S	One cylinder 1 1/2 H.P. released for 1968 production.
JW-JH-23A JWF-JHF-23A	1968 styling and fiberglass motor cover. New starter, fuel pump and separate 3 gal. gas tank. Twin stern brackets in place of single. Speed controlled by lever on starboard side of engine.
JW-JH-23M JWF-JHF-23M	New oil retainer to reduce propeller shaft wear, corrosion and provide protection from damage by fish line, weeds, etc.
LD-13M	1968 trim and transfers. New carburetor, armature plate, and 3 gal. gasoline tank.
LD-13E	Slotted manifold and retainer plate provides positive holding of hooked tang end of new spring - rewind starter.
LD-13B	New oil retainer to reduce propeller shaft wear, corrosion and provide protection from damage by fish line, weeds, etc.
CD-25C	1968 trim and transfers. New carburetor, armature plate and fuel pump.
CD-25A	Slotted manifold and retainer plate provides positive holding of hooked tang end of new spring - rewind starter.
CD-25R	New oil retainer to reduce propeller shaft wear, corrosion and provide protection from damage by fish line, weeds, etc.
MQ-24B	1968 trim and transfers. New fuel pump.
MQ-14B	To eliminate breakage of the upper spring retainer and deforming of the main spring - rewind starter.
FD-22A	1968 trim and transfers. New fuel pump. New design exhaust housing with additional inner exhaust tube.
FD-22M	New shifter lock and shift lever (sim. to 33 and 40 H.P.) to permit use of delrin bushings.
RX-RXE-16R	1968 trim and transfers. New fuel pump. Elimination of junction box.

SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1968 (con't)

RD-RDS-RK-30D	1968 trim and transfers. New fuel pump.
RD-RDS-30S	Revised gearcase, water tubes, grommets and impeller housing cap.
RDS-RK-30S	Improved lower front motor cover and revised carrying handle.
TR-10S	Three cylinder 55 H.P. outboard released for 1968 production.
VX-VXH-14B	1968 trim and transfers. New fuel pump. H.P. increased from 60 to 65. C.D. ignition (with breakers).
V4S-V4A-20A	1968 trim and transfers. Distributor mounted under flywheel. CD ignition (with breaker). New fuel pump. H.P. increased from 80 to 85.
V4TL-14B	1968 trim and transfers. Distributor mounted under flywheel. Improvements in gearcase. New stern brackets.

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SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1969

1R69C

New trim, transfers, bearing housing, crankshaft, piston and connecting and gas tank - model designation changed.

4W69B-4R69B  
4WF69B

H.P. increased from 3 to 4, engine RPM rating increased from 3500-4500 to 4000-5000, new cylinder head, silver plated connecting rods, needle journal bearings, altered intake system, balanced crankshaft and new seal, thinner piston rings, rubber insulation, inner exhaust tube, increased compression ratio, larger carburetor, new trim and transfers, all long models discontinued, 90° angle drive folding model discontinued. Model designations changed.

6R69M

New trim and transfers, new carburetor with improved calibration and idle adjustment system. Model designation changed.

9R69S

New trim and transfers, new one piece control panel, new improved "weedless" quality propeller. Model designation changed.

20R69B

New trim and transfers. Revised powerhead to utilize maximum number of parts common with 25 H.P. models. New 2 ring pistons, gearcase head seal shield and crankshaft. Improved oil drain circulating system. Model designation changed.

25R69B

25 H.P. model released per management decision to build lightweight engine in 25 H.P. range for 1969.

33R69B  
33E69B

New trim and transfers. Electric model has new motor and instrument cables with molded connectors, and wire color coding. Model designations changed.

40R69R  
40E69R  
40ES69R

New trim and transfers. Electric and electric shift models have new motor and instrument cables with molded connectors and wire color coding. Model designations changed.

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SEA HORSE OUTBOARD MODEL RELEASES

Model

Change

1969 (con't)

55ES69C

New trim and transfers, new motor and instrument cables with molded connectors, new wire color coding, new starter motor, flywheel and ring gear and carburetors. Model designation changed.

55ES69A  
55ESL69A

New valve, piston and oil pump assembly prevents possibility of piston bottoming in valve housing. New propeller shaft has redesigned dog pin groove to help prevent sticking of dog pin in groove and ratcheting of clutch dog to reverse gear dog when in neutral.

55ES69M  
55ESL69M

Plastic pump housing replaced die cast pump housing for longer water pump life.

85ESL69M

New powerhead has dual carburetors, direct drive starter, 9 amp. alternator, sealed motor cable connector, tuned intake silencer, lighter pistons, and simplified linkage. New lower unit with water shield silencing, improved mounting system and shock absorbers. New gearcase with electro-hydraulic shift, exhaust thru hub, plastic water pump with replaceable liners and one piece gearcase housing. New style motor cover and appliques. One piece lower motor cover. New gas tank with larger fuel passages. New fuel pump with improved pumping capacity. Long model only. Manual shift model discontinued. Model designation changed.

115ESL69E

Horsepower increased from 100 to 115. New powerhead has dual carburetors, direct drive starter, 9 amp. alternator, sealed motor cable connector, tuned intake silencer, lighter pistons and simplified linkage. New lower unit with water shield silencing, improved mounting system and shock absorbers. New gearcase with electro-hydraulic shift, exhaust thru hub, plastic water pump with replaceable liners and one piece gearcase housing. New style motor cover and appliques. One piece motor cover. New gas tank with larger fuel passages. New fuel pump with improved pumping capacity. Standard length model discontinued. Model designation changed.

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