

SPECIFICATIONS

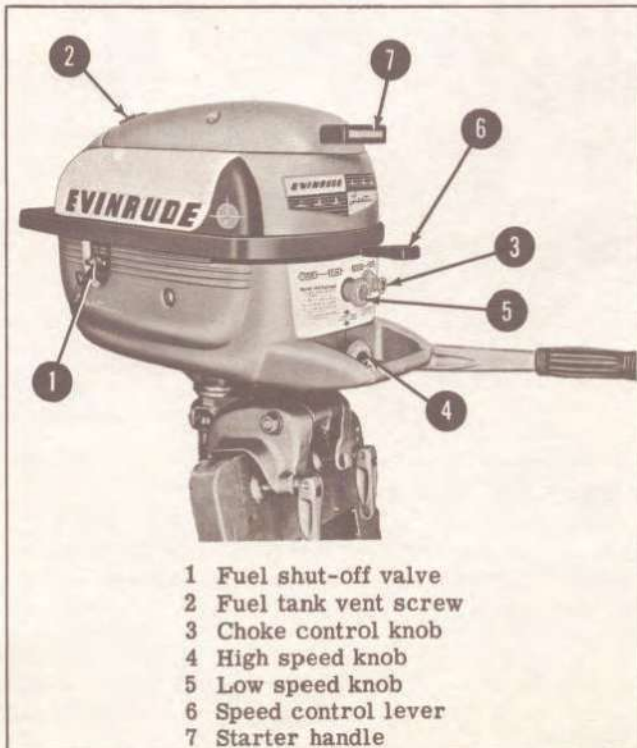
Models 3034, 3036	Standard length shaft
Model 3035	5 in. longer shaft
Models 3030, 3032	Standard length shaft
Model 3031	5 in. longer shaft
Models 3026, 3028	Standard length shaft
Model 3027	5 in. longer shaft
Models 3022, 3024	Standard length shaft
Model 3023	5 in. longer shaft
Models 3018, 3020	Standard length shaft
Model 3019	5 in. longer shaft
Horsepower (O.B.C certified)	3.0 at 4000 rpm
Operating range	3500 to 4500 rpm
Type	2-cycle, alternate firing
Number of cylinders	Two
Bore and stroke	1-9/16 x 1-3/8 in.
Piston displacement	5.28 cubic in.
Propeller gear ratio	17:28
Propeller	6-1/8 dia. x 6-1/4 pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Automotive type, reed valves
Control	One lever synchronized spark and throttle
Fuel tank capacity	0.7 gal. (approximate 5-1/2 pts.)
Starter	Eas-A-Matic, self-rewinding
Reverse	360° pivoting
Fisherman drive	Rubber propeller protection clutch
Weights: Models 3018, 3020, 3022, 3024, 3026, 3028, 3030, 3032, 3034, 3036	33 lbs.
Models 3019, 3023, 3027, 3031, 3035	34 lbs.

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline. Regular
 Type of oil Outboard or SAE 30 Auto engine oil
 Quantity of oil required per gallon of gasoline. 1/3 pt.
 Gear lubrication O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.



LIGHTWIN

DATA BULLETIN



STARTING AND OPERATION INSTRUCTIONS

1. Fully open fuel shut-off valve (1).
2. Open vent screw (2) on top of filler cap.
3. Pull out choke knob (3).
4. Turn high speed knob (4) to center position.
5. Set speed control lever (6) in START position.
6. Pull starter handle slowly until starter engages, then pull forcibly. Repeat until motor starts.
7. After motor starts, push in choke knob.
8. Move speed control lever towards FAST, as indicated on motor cover and slowly adjust high speed knob until motor runs smoothly.
9. To control speed, move speed control lever in directions FAST or SLOW as indicated on motor case.
10. To stop motor, move speed control lever toward extreme direction STOP. Close shut-off valve (1).
11. To start a warm motor, leave high speed knob (4) in running position. Do not use choke unless motor fails to start after three attempts. After motor starts, push choke in.

SPECIFICATIONS

Model 5516	Standard length shaft
Model 5517	5 in. longer shaft
Model 5514	Standard length shaft
Model 5515	5 in. longer shaft
Model 5512	Standard length shaft
Model 5513	5 in. longer shaft
Horsepower (O.B.C. certified)	5.5 at 4000 rpm
Operating range	3500-4500
Number of cylinders	Two
Bore and stroke	1-15/16 x 1-1/2 in.
Type	2-cycle alternate firing
Piston displacement	8.84 cubic in.
Propeller gear ratio	15:26
Propeller	8" dia x 7-1/4" pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Automotive type, leaf valves
Control	Twist-grip, synchronized spark and throttle
Fuel tank capacity	4-1/4 gallons
Starter	Eas-A-Matic, self rewinding
Gear shift control	Forward-neutral-reverse
Weight (all standard length models)	56 lbs. without Cruis-A-Day Junior Tank (tank weighs 10 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE30 automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE90 automotive hypoid gear lubricant. SAE30 outboard oil may be used in emergency.

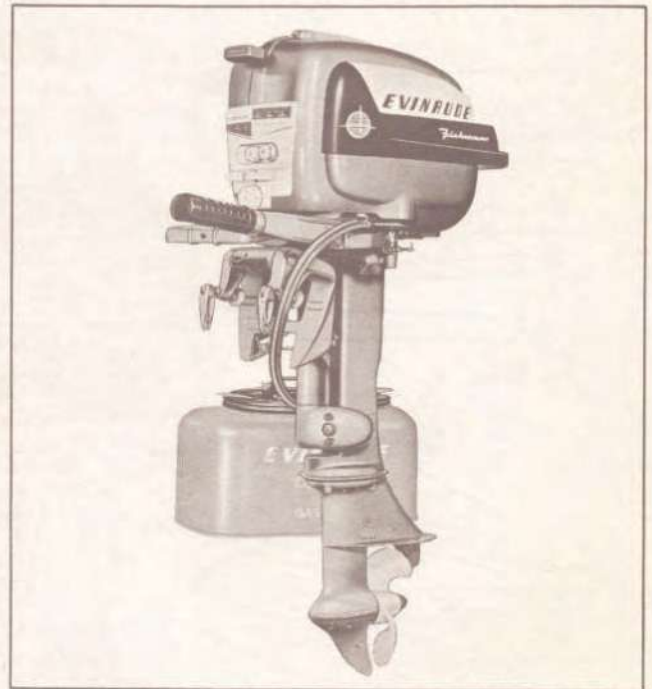
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.



FISHERMAN

DATA BULLETIN



STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel and air line from Cruis-A-Day Junior tank to connector (1) on port side of motor.
2. Press down the fuel pump push button on fuel tank three to five times.
3. Set high speed knob (3) at center position.
4. Pull choke knob (4) out the full travel.
5. Place gear shift lever (5) at neutral position.
6. Place speed control (7) at START position.
7. Set tilt-up lock (2) in LOCK position.
8. Pull starting handle (8) slowly until starter engages, then pull forcibly. Repeat until motor starts.
9. After motor starts, allow to run until motor warms up; then push in choke knob and move gear shift lever to forward position. Turn speed control towards FAST and adjust high speed knob to best running position.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. To stop engine move speed control towards SLOW as far as it will go.

CAUTION

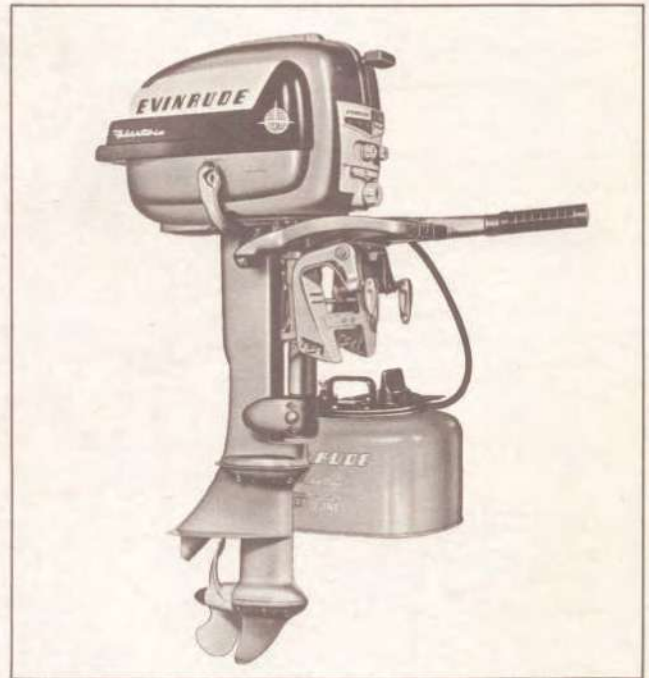
Speed control must always be in "SHIFT" or "SLOW" position before Gear Shift Lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE.

FLEETWIN

DATA BULLETIN

SPECIFICATIONS

Model 7524	Standard length shaft
Model 7525	5 in. longer shaft
Model 7522	Standard length shaft
Model 7523	5 in. longer shaft
Model 7520	Standard length shaft
Model 7521	5 in. longer shaft
Horsepower (O.B.C. certified)	7.5 at 4000 rpm
Operating range	3500-4500
Number of cylinders	Two
Bore and stroke	2-1/8 x 1-3/4 in.
Type	2-cycle alternate firing
Piston displacement	12.4 cubic in.
Propeller gear ratio	15:26
Propeller	8" dia x 8-1/2" pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Automotive type, leaf valves
Control	Twist-grip, synchronized spark and throttle
Fuel tank capacity	4-1/4 gallons
Starter	Eas-A-Matic, self rewinding
Gear shift control	Forward-neutral-reverse
Weight (all standard length models)	59 lbs. without Cruis-A-Day Junior Tank (tank weighs 10 pounds net)

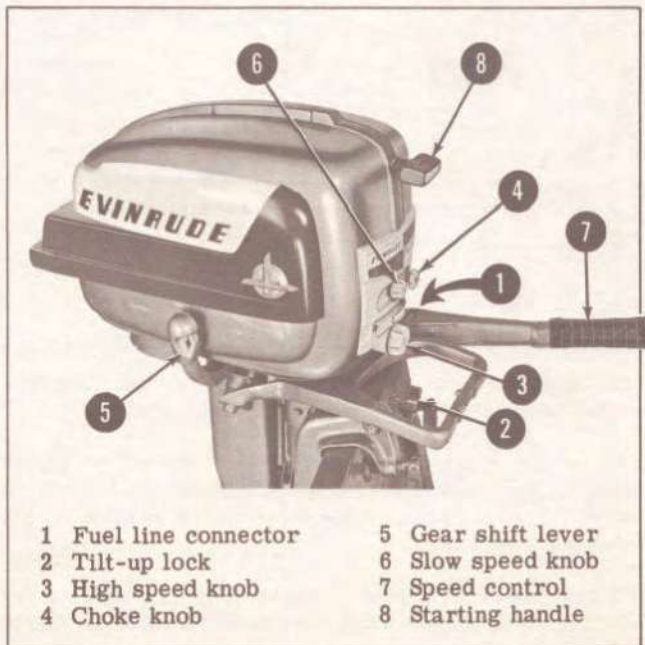


LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE30 automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE90 automotive hypoid gear lubricant. SAE30 outboard oil may be used in emergency.

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.



STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel and air line from Cruis-A-Day Junior tank to connector (1) on port side of motor.
2. Press down the fuel pump push button on fuel tank three to five times.
3. Set high speed knob (3) at center position.
4. Pull choke knob (4) out the full travel.
5. Place gear shift lever (5) at neutral position.
6. Place speed control (7) at START position.
7. Set tilt-up lock (2) in LOCK position.
8. Pull starting handle (8) slowly until starter engages, then pull forcibly. Repeat until motor starts.
9. After motor starts, allow to run until motor warms up; then push in choke knob and move gear shift lever to forward position. Turn speed control towards FAST and adjust high speed knob to best running position.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. To stop engine move speed control towards SLOW as far as it will go.

IMPORTANT

Speed control must always be in "SHIFT" or "SLOW" position before Gear Shift Lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE.

SPORTWIN

DATA BULLETIN

SPECIFICATIONS

Model 10014 Standard length shaft
Model 10015 5 in. longer shaft
Horsepower (O.B.C. certified) 10 at 4000 rpm
Type 2 cycle alternate firing
Number of cylinders Two
Bore and stroke 2-3/8 x 1-7/8 in.
Piston displacement 16.6 cubic in.
Propeller gear ratio 15:26
Propeller 9 in. dia. x 8 in. pitch, 3-blade
Cooling Centri-matic (combination positive displacement and centrifugal pump)
Ignition Flywheel magneto
Carburetor Float feed auto type with control dials
Throttle control Twist-grip synchronized throttle and spark
Fuel tank capacity 6 gal. Cruis-A-Day tank
Starter Eas-A-Matic, self re-winding
Gear shift control Forward, neutral, reverse
Weight 74 pounds without Cruis-A-Day tank (tank weighs 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

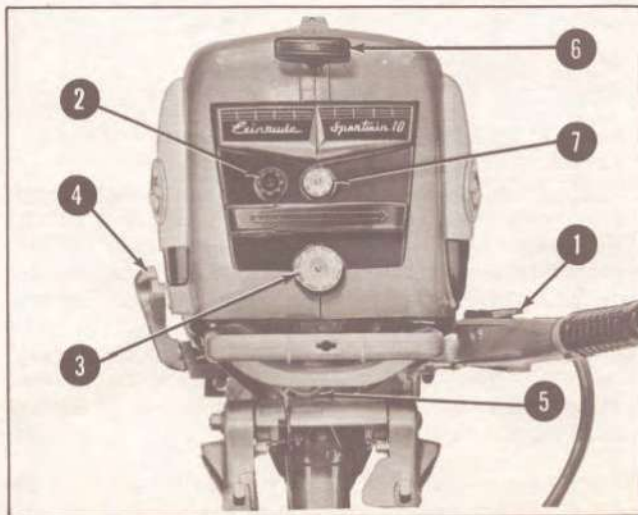
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



SECTION I

REVISED DECEMBER 1956

DATA BULLETIN 1-23



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to No. 3 position. To start motor in temperature below 45° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control on steering handle in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control toward START until it stops.
8. Set tilt-up lock (5) in lock position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

FASTWIN

DATA BULLETIN

SPECIFICATIONS

Model 15020 Standard length shaft
Model 15021 5 in. longer shaft
Horsepower (O.B.C. certified) 18 at 4500 rpm
Type 2 cycle alternate firing
Number of cylinders Two
Bore and stroke 2-1/2 x 2-1/4 in.
Piston displacement 22.0 cubic in.
Propeller gear ratio 12:21
Propeller 9-1/4 in. dia. x 11 in. pitch, 3-blade
Cooling Centri-matic (combination positive displacement and centrifugal pump)
Ignition Flywheel magneto
Carburetor. . . . Float feed auto type with control dials
Throttle control . . Twist-grip synchronized throttle and spark
Fuel tank capacity 6 gal. Cruis-A-Day tank
Starter Eas-A-Matic, self re-winding
Gear shift control Forward, neutral, reverse
Weight 80 pounds without Cruis-A-Day tank (tank weighs 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
Type of oil Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline 1/2 pint
Gear lubrication . . . SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

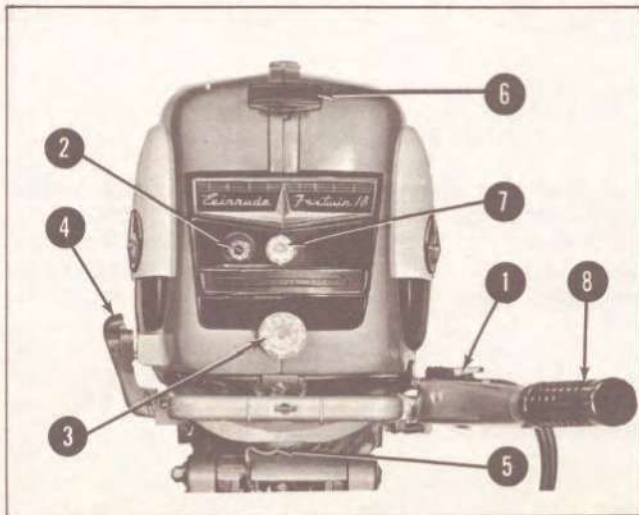
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



SECTION I



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to No. 3 position. To start motor in temperature below 45° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control (8) in "Shifting Range."
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control (8) toward START until it stops.
8. Set tilt-up lock (5) in lock position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

SPECIFICATIONS

Model 15922	Standard length shaft
Model 15923	5 in. longer shaft
Horsepower (O.B.C. certified)	18 at 4500 rpm
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	2-1/2 in. x 2-1/4 in.
Piston displacement	22.0 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 9-1/4 dia. x 11 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition/	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Throttle control	Twist grip synchronized throttle and spark
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Electric, Eas-A-Matic self re-winding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	87 pounds without Cruis-A-Day tank (weight 13 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

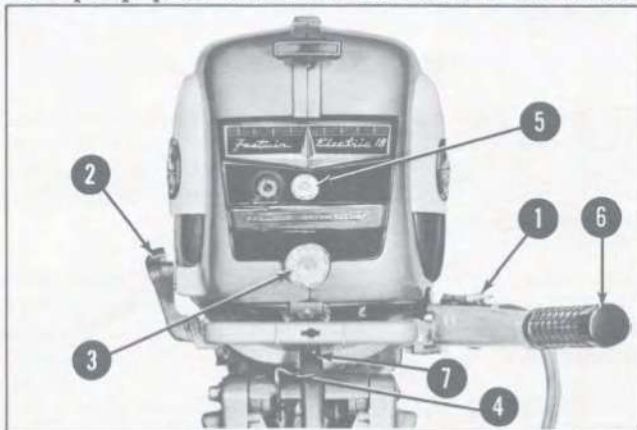
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (7) to motor.
2. Connect fuel and air line from Cruis-A-Day tank to connector (1) on port side of motor. Press down the fuel pump push button on fuel tank 3 to 5 times.



DATA BULLETIN



3. Place speed control (6) in "Shifting Range".
4. Place gear shift lever (2) in NEUTRAL position.
5. Set high speed knob (3) at No. 3 position. When operating in temperature below 45° F. set knob at No. 5 position.
6. Move speed control (6) toward START position until it stops.
7. Set tilt-up lock (4) in lock position (long slot).
8. Push both starter button and choke button on switch plate at same time until motor starts. Push choke button intermittently until motor is warm.
9. After motor has warmed up, move gear shift lever to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

12. To stop motor, move speed control towards SLOW as far as it will go and push and hold choke button until motor stops.

BIG TWIN

DATA BULLETIN

SPECIFICATIONS

Model 25028	Standard length shaft
Model 25029	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade, 10-3/8 dia. x 13-1/4 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Throttle control	Twist grip steering handle
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	123 pounds without Cruis-A-Day tank (weight 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

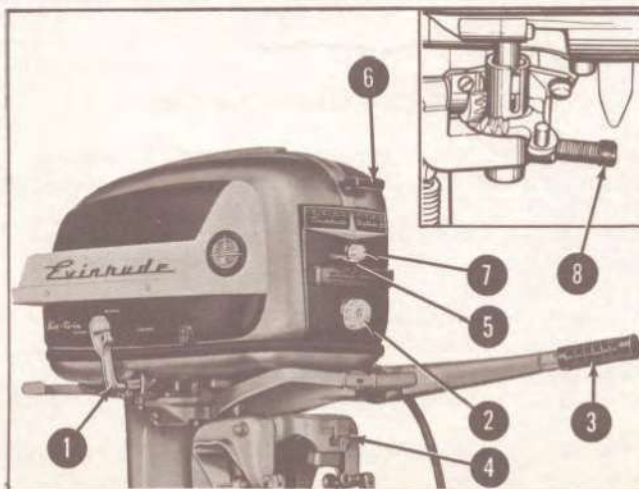
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector on motor.
2. Press down the fuel pump push button on fuel tank 3 to 5 times.



3. Place throttle control (3) in "Shifting Range".
4. Place gear shift lever (1) in NEUTRAL position.
5. Set high speed knob (2) at No. 3 position. When operating in temperature below 45° F., set knob at No. 5 position.
6. Move throttle control (3) toward FAST position until it stops.
7. Set tilt-up lock (4) in upper position (long slot).
8. Pull out choke knob (5) all the way.
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (5) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (1).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD or NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (2) either way until motor runs smoothly at high speed.

SPECIFICATIONS

Model 25930	Standard length shaft
Model 25931	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 10-3/8 dia. x 13-1/4 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Throttle control	Knob on steering bracket or Remote Control
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Electric, Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)129 pounds without Cruis-A-Day tank (weight 13 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

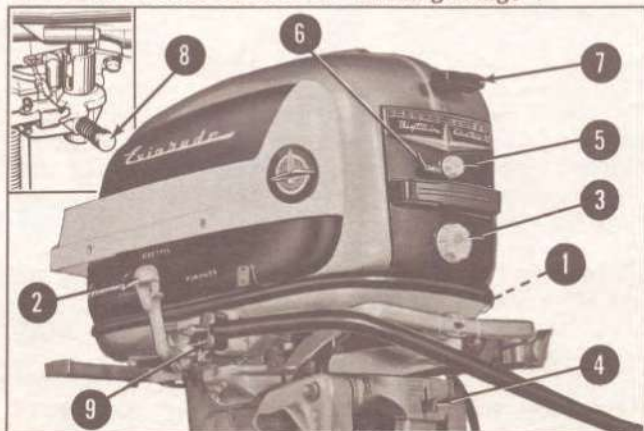
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (9) to motor. Tighten thumb screw securely.
2. Connect fuel and air line from Cruis-A-Day tank to connector (1) on port side of motor. Press down the fuel pump push button on fuel tank 3 to 5 times.
3. Place throttle control in "Shifting Range".



BIG TWIN *Electric*

DATA BULLETIN



4. Place gear shift lever (2) in NEUTRAL position.
5. Set high speed knob (3) at No. 3 position. When operating in temperature below 45° F. set knob at No. 5 position.
6. Move speed control toward FAST position until it stops.
7. Set tilt-up lock (4) in lock position (long slot).
8. Push both starter button and choke button on switch plate at same time until motor starts. Push choke button intermittently until motor is warm.
9. After motor has warmed up, move gear shift lever to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed. With motor running at desired idling speed, turn in idle screw (8) until it grounds.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

12. To stop motor, move throttle control toward SLOW as far as it will go, and push in and hold choke button. (Idle-matic Throttle Adjustment Screw (8) prevents motor from stopping when throttle is moved all the way to SLOW.)

SPECIFICATIONS

Model 25532	Standard length shaft
Model 25533	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 10-3/8 dia. x 13-1/4 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Throttle control	Knob on steering bracket or Remote Control
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Electric, Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard.)	132 pounds without Cruis-A-Day tank (weight 13 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

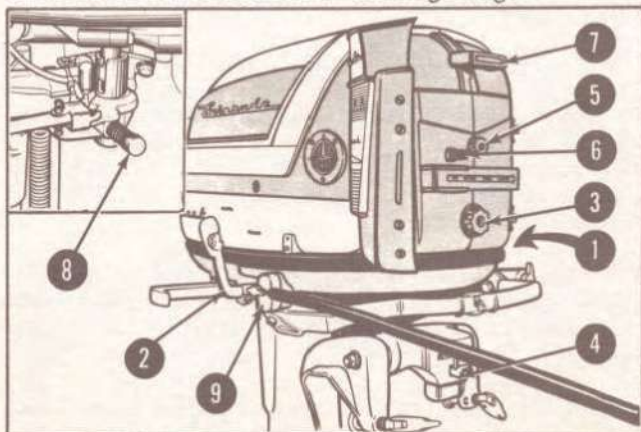
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

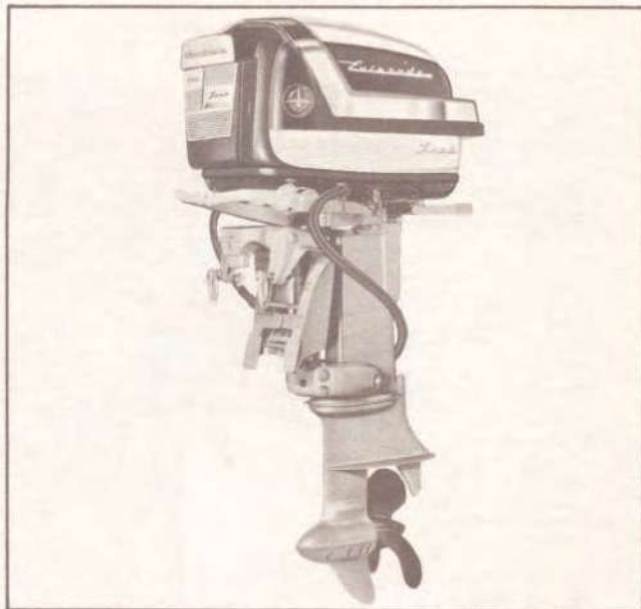
STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (9) to motor. Tighten thumb screw securely.
2. Connect fuel and air line from Cruis-A-Day tank to connector (1) on port side of motor. Press down the fuel pump push button on fuel tank 3 to 5 times.
3. Place throttle control in "Shifting Range".



LARK *Electric*

DATA BULLETIN



4. Place gear shift lever (2) in NEUTRAL position.
5. Set high speed knob (3) at No. 3 position. When operating in temperature below 45° F. set knob at No. 5 position.
6. Move speed control toward FAST position until it stops.
7. Set tilt-up lock (4) in lock position (long slot).
8. Push both starter button and choke button on switch plate at same time until motor starts. Push choke button intermittently until motor is warm.
9. After motor has warmed up, move gear shift lever to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed. With motor running at desired idling speed, turn in idle screw (8) until it grounds.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

12. To stop motor, move throttle control toward SLOW as far as it will go, and push in and hold choke button. (Idle-matic Throttle Adjustment Screw (8) prevents motor from stopping when throttle is moved all the way to SLOW.)

SPECIFICATIONS

Model 10016	Standard length shaft
Model 10017	5 in. longer shaft
Horsepower (O.B.C. certified)	10 at 4000 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	2-3/8 X 1-7/8 in.
Piston displacement	16.6 cubic in.
Propeller gear ratio	15:26
Propeller	8-1/4 in. dia. x 8-1/2 in. pitch, 3-blade
Cooling	Centri-matic (combination positive displacement and centrifugal pump)
Ignition	Flywheel magneto
Carburetor	Float feed auto type with control dials
Speed control	Twist-grip synchronized throttle and spark
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Eas-A-Matic, self re-winding
Gear shift control	Forward, neutral, reverse
Weight	68 lbs. without Cruis-A-Day tank (tank weighs 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication.	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

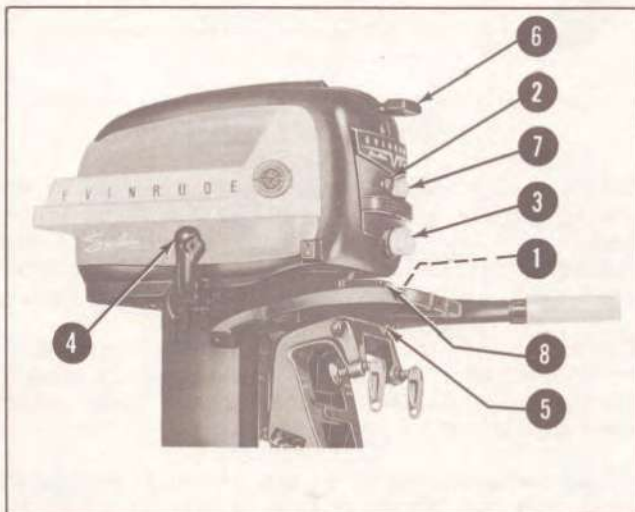
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

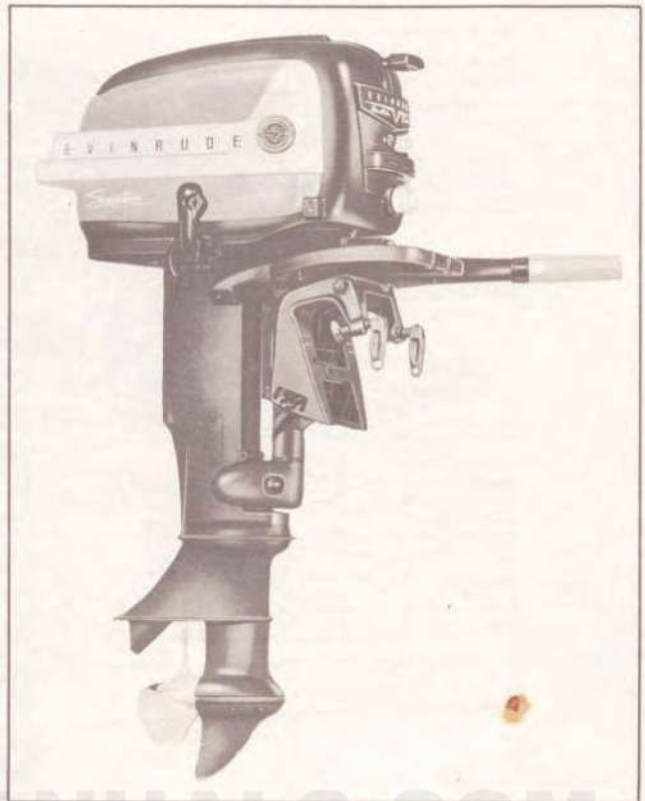
1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



SECTION I

SPORTWIN

DATA BULLETIN



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 45° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control on steering handle in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

SPECIFICATIONS

Model 15024 Standard length shaft
Model 15025 5 in. longer shaft
Horsepower (O.B.C. certified) 18 at 4500 rpm
Operating range 4000-5000
Type 2 cycle alternate firing
Number of cylinders Two
Bore and stroke 2-1/2 x 2-1/4 in.
Piston displacement 22.0 cubic in.
Propeller gear ratio 12:21
Propeller 9-1/4 in. dia. x 11 in. pitch, 3-blade
Cooling Centri-matic (combination positive displacement and centrifugal pump)
Ignition Flywheel magneto
Carburetor Float feed auto type with control dials
Speed control Twist-grip synchronized throttle and spark
Fuel tank capacity 6 gal. Cruis-A-Day tank
Starter Eas-A-Matic, self re-winding
Gear shift control Forward, neutral, reverse
Weight 80 lbs. without Cruis-A-Day tank (tank weighs 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
Type of oil Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline 1/2 pint
Gear lubrication SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

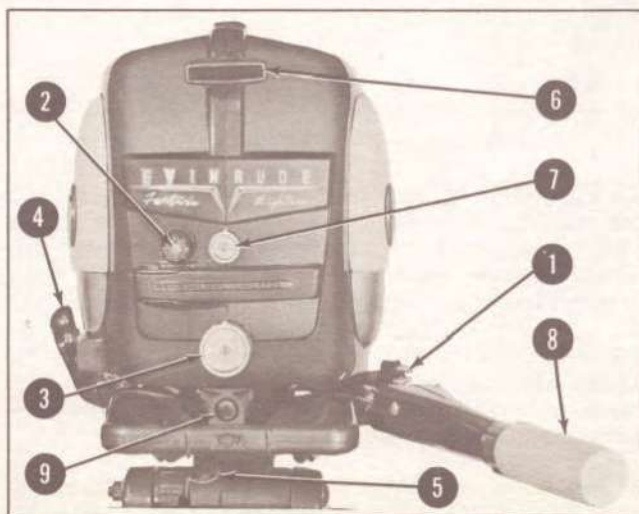
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



FASTWIN

DATA BULLETIN



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 45° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control (8) in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control (8) toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

SPECIFICATIONS

Model 15926 Standard length shaft
 Model 15927 5 in. longer shaft
 Horsepower (O.B.C. certified) 18 at 4500 rpm
 Operating range 4000-5000
 Type 2 cycle alternate firing
 Number of cylinders Two
 Bore and stroke 2-1/2 in. x 2-1/4 in.
 Piston displacement 22.0 cubic in.
 Propeller gear ratio 12:21
 Propeller 3 blade 9-1/4 dia. x 11 pitch
 Cooling Combination positive displacement and centrifugal pump
 Ignition Flywheel magneto
 Carburetor Float feed - with high and low speed adjustment
 Speed control Twist grip synchronized throttle and spark
 Fuel tank capacity 6 gal. Cruis-A-Day tank
 Starter Electric-Eas-A-Matic self re-winding
 Gear shift control Forward - neutral - reverse
 Weight (standard 87 pounds without Cruis-A-Day length) tank (weight 13 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
 Type of oil SAE 30 outboard or regular automotive engine oil
 Oil required per gallon of gasoline 1/2 pint
 Gear lubrication. SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

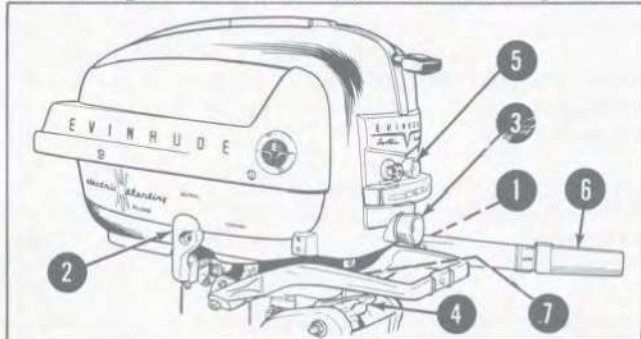
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (7) to motor.
2. Connect fuel and air line from Cruis-A-Day tank to connector (1) on port side of motor. Press down the fuel pump push button on fuel tank 3 to 5 times.
3. Place speed control (6) in "Shifting Range".
4. Place gear shift lever (2) in NEUTRAL position.



FASTWIN *Electric*

DATA BULLETIN



5. Move speed control (6) toward START position until it stops.
6. Set high speed knob (3) with indicator straight up. In temperature below 40° F., turn knob 1/4 turn to left (counterclockwise).
7. Set Trim-lok (4) in LOCK position (long slot).
8. Turn start key to right until motor cranks and push choke button in. Hold key in starting position and press choke button in until motor starts. Release key immediately and return to vertical position after motor starts. Continue to push choke button until motor is warm.
9. After motor has warmed up, shift to FORWARD, (speed control must be within shifting range) advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) to best idling position. Readjustment will seldom be necessary.
10. To decrease speed, move speed control towards SLOW; to increase speed, advance toward FAST.
11. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force and do not attempt to shift when motor is not running.

12. To stop motor, retard speed control as far as it will go, then either turn start key on switch plate to OFF position, or pull out choke knob.

SPECIFICATIONS

Model 25034	Standard length shaft
Model 25035	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade, 10-3/8 dia. x 13-1/4 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Speed control	Twist grip steering handle
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	123 pounds without Cruis-A-Day tank (weight 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

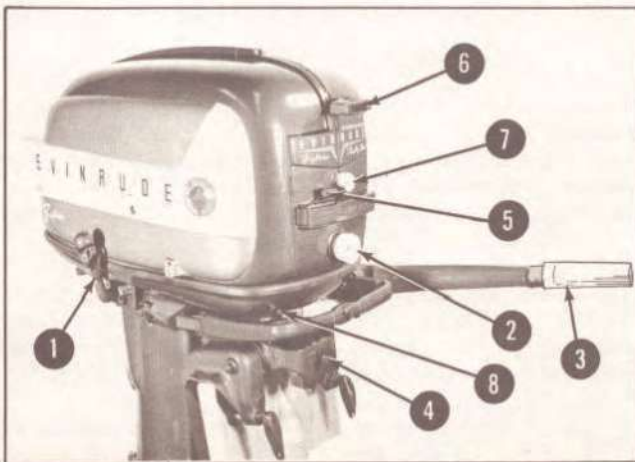
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft, starboard side of swivel bracket, throttle shaft (2), and throttle gear.

STARTING AND OPERATING INSTRUCTIONS

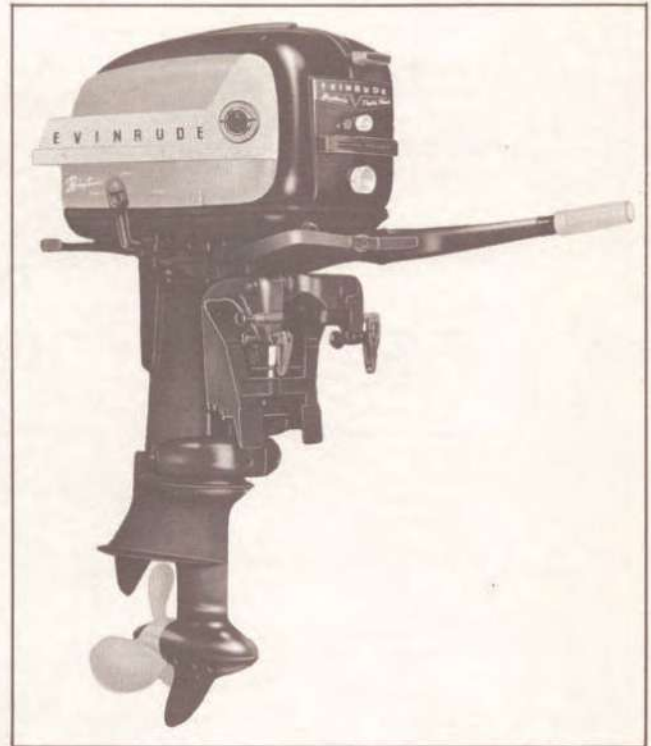
1. Connect fuel line from Cruis-A-Day tank to connector on motor.
2. Press down the fuel pump push button on fuel tank 3 to 5 times.



SECTION I

BIG TWIN

DATA BULLETIN



3. Place speed control (3) in "Shifting Range".
4. Place gear shift lever (1) in NEUTRAL position.
5. Move speed control (3) toward FAST position until it stops.
6. Set high speed knob (2) with indicator in straightup position. In temperature below 40° F., turn high speed knob 1/4 turn to the left (counterclockwise).
7. Set Trim-lok (4) in LOCK position (long slot).
8. Pull out choke knob (5) all the way.
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. Push choke knob in slowly.
11. After motor has warmed up, retard speed control to shifting range. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (1). Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed at START or slower position before gear shift lever can be moved to FORWARD or NEUTRAL or REVERSE. **DO NOT FORCE LEVER.**

12. With gear shift in FORWARD only, turn speed control towards FAST and slowly turn high speed knob (2) either way until motor runs smoothly at high speed.

SPECIFICATIONS

Model 25936	Standard length shaft
Model 25937	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 10-3/8 dia. x 13-1/4 pitch
Cooling	Combination positive displacement and centrifugal pump
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Speed control	Knob on steering bracket or Remote Control
Fuel tank capacity	6 gal. Cruis-A-Day tank
Starter	Electric, Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard .. 129 pounds without Cruis-A-Day tank (weight 13 pounds net)	

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

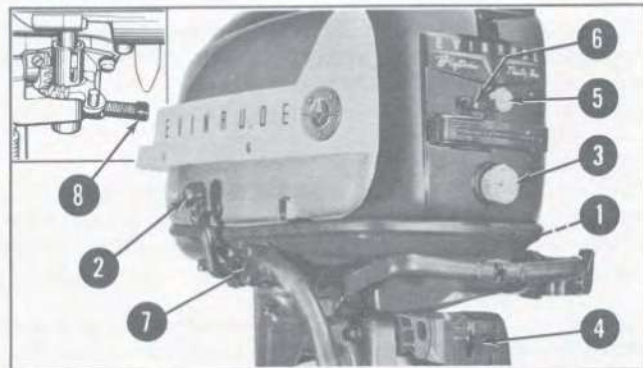
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft, on starboard side of swivel bracket, throttle shaft (2), and throttle gear.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (7) to motor. Tighten thumb screw securely.
2. Connect fuel and air line from Cruis-A-Day tank to connector (1) on port side of motor. Press down the fuel pump push button on fuel tank 3 to 5 times.
3. Place speed control in "Shifting Range".



SECTION I

BIG TWIN *Electric*

DATA BULLETIN



4. Place gear shift lever (2) in NEUTRAL position.
5. Move speed control toward FAST position until it stops.
6. Set high speed knob (3) with indicator straight up. In temperature below 40° F., turn knob 1/4 turn to the left (counterclockwise).
7. Set Trim-lok (4) in LOCK position (long slot).
8. Turn start key to right until motor cranks and push choke button in. Hold key in starting position and press choke button in until motor starts. Release key immediately and return to vertical position after motor starts. Continue to press choke button intermittently until motor is warm.
9. After motor has warmed up, retard speed control to shifting range and shift to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed. With motor running at desired idling speed, turn in idle screw (8) until it grounds.
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

12. To stop motor, retard speed control as far as it will go, then either turn start key on switch plate to OFF position, or pull out choke knob (6).

SPECIFICATIONS

Model 35514 Standard length shaft
 Model 35515 5 in. longer shaft
 Horsepower (O.B.C. certified) 35 at 4500 rpm
 Operating range 4000-5000
 Type 2 cycle alternate firing
 Number of cylinders Two
 Bore and stroke 3-1/16 in. x 2-3/4 in.
 Piston displacement 40.5 cubic in.
 Propeller gear ratio 12:21
 Propeller 3 blade 10-3/8 dia. x 13-1/4 pitch
 Cooling Recirculating thermostatic control
 Ignition Flywheel magneto
 Carburetor Float feed - with high
 and low speed adjustment
 Speed control Knob on steering bracket
 or Remote Control
 Fuel tank capacity . 6 gal. Hi-Lift Cruis-A-Day tank
 Starter Electric, Simplex self rewinding
 Gear shift control Forward - neutral - reverse
 Weight (standard 138 pounds without Hi-Lift
 length) Cruis-A-Day tank (weight 13 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline. Regular
 Type of oil SAE 30 outboard or regu-
 lar automotive engine oil
 Oil required per gallon of gasoline 1/2 pint
 Gear lubrication. . . . SAE 90 automotive hypoid gear
 lubricant. SAE 30 outboard
 oil can be used in emergency.

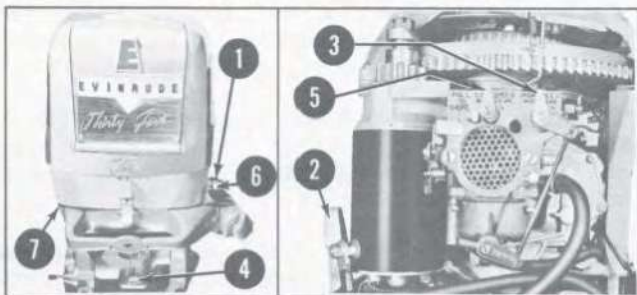
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on the two Zerk type fittings located on gear shift lever shaft, accessible by removing outer exhaust cover, and one on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (7) to motor. Tighten thumb screw securely.
2. Connect fuel line from Hi-Lift Cruis-A-Day tank to connector (1) on port side of motor.
3. Fuel tank vents automatically when fuel line is attached to tank.
4. Squeeze primer bulb on fuel line several times until pressure on bulb increases, then stop.
5. Place speed control in "Shifting Range".

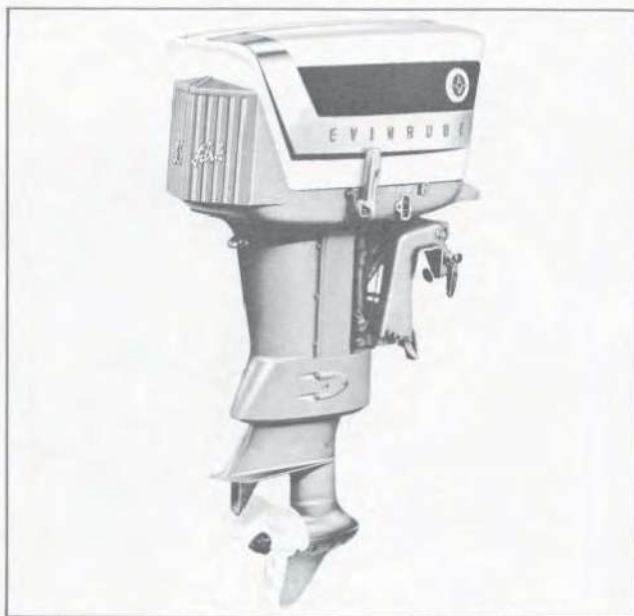


SECTION I

REVISED FEBRUARY 1958

LARK *Electric*

DATA BULLETIN



6. Place gear shift lever (2) in NEUTRAL position.
7. Move speed control toward Fast position until it stops.
8. Set high speed knob (3) with indicator straight up. In temperature below 40° F., turn knob 1/4 turn to left (counterclockwise).
9. Set Trim-lok (4) in LOCK position (long slot).
10. Push and hold choke button. Turn start key to the right until motor begins to crank. Hold key in start position and press choke button in until motor starts. Release key immediately and return to vertical position after motor starts. Continue to push choke button intermittently until motor is warm.
11. After motor has warmed up, retard speed control to shifting range and shift to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed. With motor running at desired idling speed, turn in idle screw (6) until it grounds.
12. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.
13. To decrease speed, move speed control towards SLOW; to increase speed, advance towards FAST.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

14. To stop motor, retard speed control as far as it will go, then turn key back to "OFF" position; or pull out choke knob.

FOUR-FIFTY

DATA BULLETIN

SPECIFICATIONS

Model 50012	Standard length shaft
Model 50013	5 in. longer shaft
Horsepower (O.B.C. certified)	50 at 4000 rpm
Operating range	4000-5000
Type	V-type, 90° firing
Number of cylinders	Four
Bore and stroke	3 in. x 2-1/2 in.
Piston displacement	70.7 cubic in.
Propeller gear ratio	17:29
Propeller	3 blade, 13 dia. x 13 pitch
Cooling	Recirculating thermostatic control
Ignition	Automotive type magneto and distributor
Carburetor	Twin barrel, down draft, float feed, high and low speed adjustment, spring loaded choke
Throttle control	Manual or remote control
Fuel tank capacity	6 gal. Hi-Lift Tank
Starter	Eas-A-Matic rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	197 lbs. without tank (13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant
	SAE 30 outboard oil can be used in emergency

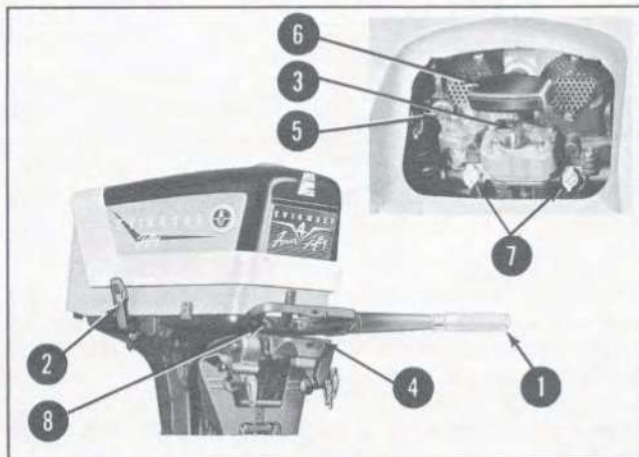
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: Use a good grade waterproof grease on both zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to Primer Bulb must be connected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.
2. Place speed control (1) in shifting range.



3. Move gear shift lever (2) to NEUTRAL position. Always start motor in NEUTRAL.
4. Advance speed control to START position (against stop).
5. Open front panel and set high speed knob (3) at No. 4 position. In temperatures below 40° F., turn knob to No. 5 position.
6. Set Trim-Lok (4) in LOCK position.

CAUTION

NEVER PLACE TRIM-LOK IN RELEASE POSITION UNLESS MOTOR IS MOUNTED ON BOAT.

7. Pull out choke knob (5) all the way.
8. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
9. After motor starts, push in choke knob.
10. After motor has warmed up, retard speed control to SLOW and shift to FORWARD. Advance speed control to FAST and adjust high speed knob to best running position. Then retard speed control to SLOW and adjust both slow speed knobs (7) to best idling position.

STARFLITE

DATA BULLETIN

SPECIFICATIONS

Model 50514	Standard length shaft
Model 50515	5 in. longer shaft
Horsepower (O.B.C. certified)	50 at 4000 rpm
Operating range	4000-5000
Type	V-type, 90° firing
Number of cylinders	Four
Bore and stroke	3 in. x 2-1/2 in.
Piston displacement	70.7 cubic in.
Propeller gear ratio	17:29
Propeller	3 blade, 13 dia. x 13 pitch
Cooling	Recirculating thermostatic control
Ignition	Automotive type magneto and distributor
Carburetor	Twin barrel, down draft, float feed, high and low speed adjustment, spring loaded choke
Throttle control	Manual or remote control
Fuel tank capacity	6 gal. Hi-Lift Tank
Starter	Electric and Eas-A-Matic rewinding
Gear shift control	Forward - Neutral - Reverse
Weight (standard length)	205 lbs. without tank (13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/2 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant
	SAE 30 outboard oil can be used in emergency

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

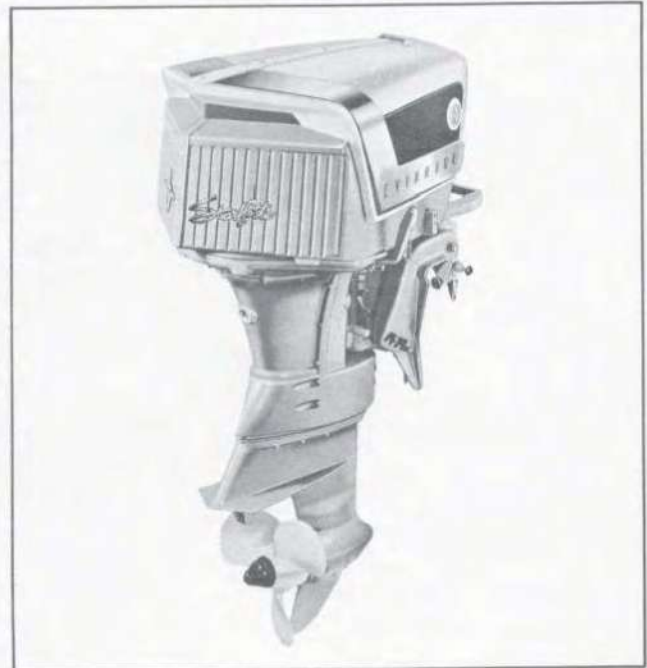
GREASING: Use a good grade waterproof grease on both zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector to motor. Tighten thumb screw securely.
2. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to Primer Bulb must be connected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.



SECTION I



3. Place speed control (1) in shifting range.
4. Move gear shift lever (2) to NEUTRAL position.
5. Advance speed control to START position (against stop).
6. Open front panel and set high speed knob (3) at No. 4 position. In temperatures below 40° F., turn knob to No. 5 position.
7. Set Trim-Lok (4) in LOCK position.

CAUTION

NEVER PLACE TRIM-LOK IN RELEASE POSITION UNLESS MOTOR IS MOUNTED ON BOAT.

8. Push and hold choke button on switch plate. Turn start key to the right until motor begins to crank. Hold key in start position and press choke button in until motor starts. Release key immediately and return to vertical position after motor starts.
9. After motor has warmed up, retard speed control to SLOW and shift to FORWARD. Advance speed control to FAST and adjust high speed knob to best running position. Then retard speed control to SLOW and adjust both slow speed knobs (7) to best idling position.
10. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action. **IMPORTANT:** Speed control must always be in "shifting range" before shifting. Do not force lever.
11. To decrease speed, move speed control toward SLOW: to increase speed, advance toward FAST.
12. To stop motor, turn key back to OFF position.

FISHERMAN

DATA BULLETIN

SPECIFICATIONS

Model 5518	Standard length shaft
Model 5519	5 in. longer shaft
Horsepower (O.B.C. certified)	5.5 at 4000 rpm
Operating range	3500-4500
Number of cylinders	Two
Bore and stroke	1-15/16 x 1-1/2 in.
Type	2-cycle alternate firing
Piston displacement	8.84 cubic in.
Propeller gear ratio	15:26
Propeller	8" dia x 7-1/4" pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump, thermostat control
Ignition	Flywheel magneto
Carburetor	Automotive type, leaf valves
Control	Twist-grip, synchronized spark and throttle
Fuel tank capacity	4-1/4 gallons
Starter	Eas-A-Matic, self rewinding
Gear shift control	Forward-neutral-reverse
Weight (all standard length models)	56 lbs. without Cruis-A-Day Junior Tank (tank weighs 10 pounds net)

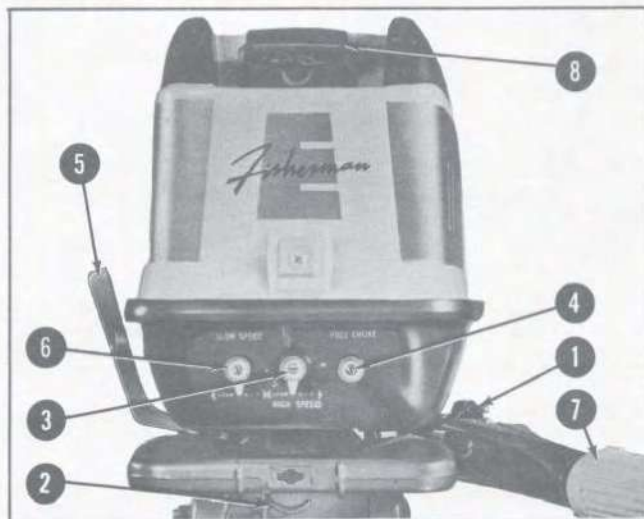


LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE 30 automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.



- | | |
|-----------------------|--------------------|
| 1 Fuel line connector | 5 Gear shift lever |
| 2 Tilt-up lock | 6 Slow speed knob |
| 3 High speed knob | 7 Speed control |
| 4 Choke knob | 8 Starting handle |

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel and air line from Cruis-A-Day Junior tank to connector (1) on port side of motor.
2. Press down the fuel pump push button on fuel tank three to five times.
3. Set high speed knob (3) at center position.
4. Pull choke knob (4) out the full travel.
5. Place gear shift lever (5) at neutral position.
6. Place speed control (7) at START position.
7. Set tilt-up lock (2) in LOCK position.
8. Pull starting handle (8) slowly until starter engages, then pull forcibly. Repeat until motor starts.
9. After motor starts, allow to run until motor warms up; then push in choke knob and move gear shift lever to forward position. Turn speed control towards FAST and adjust high speed knob to best running position. Then retard speed control to SLOW, and adjust Slow Speed Knob (6).
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. To stop engine move speed control towards SLOW as far as it will go.

CAUTION

Speed control must always be in "SHIFT" or "SLOW" position before Gear Shift Lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE.

SPORTWIN

DATA BULLETIN

SPECIFICATIONS

Model 10018 Standard length shaft
 Model 10019 5 in. longer shaft
 Horsepower (O.B.C. certified) 10 at 4500 rpm
 Operating range 4000-5000
 Type 2 cycle alternate firing
 Number of cylinders Two
 Bore and stroke 2-3/8 x 1-7/8 in.
 Piston displacement 16.6 cubic in.
 Propeller gear ratio 15:26
 Propeller 8-1/4 in. dia. 8-1/2 in. pitch, 3-blade
 Cooling Centri-matic (combination positive displacement and centrifugal pump), thermostat control
 Ignition Flywheel magneto
 Carburetor Float feed auto type with control dials
 Speed control Twist-grip synchronized throttle and spark
 Fuel tank capacity 6 gal. Cruis-A-Day tank
 Starter Eas-A-Matic, self re-winding
 Gear shift control Forward, neutral, reverse
 Weight 67 lbs. without Cruis-A-Day tank (tank weighs 13 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
 Type of oil Outboard or SAE 30 auto engine oil
 Oil required per gallon of gasoline 1/3 pint
 Gear lubrication SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

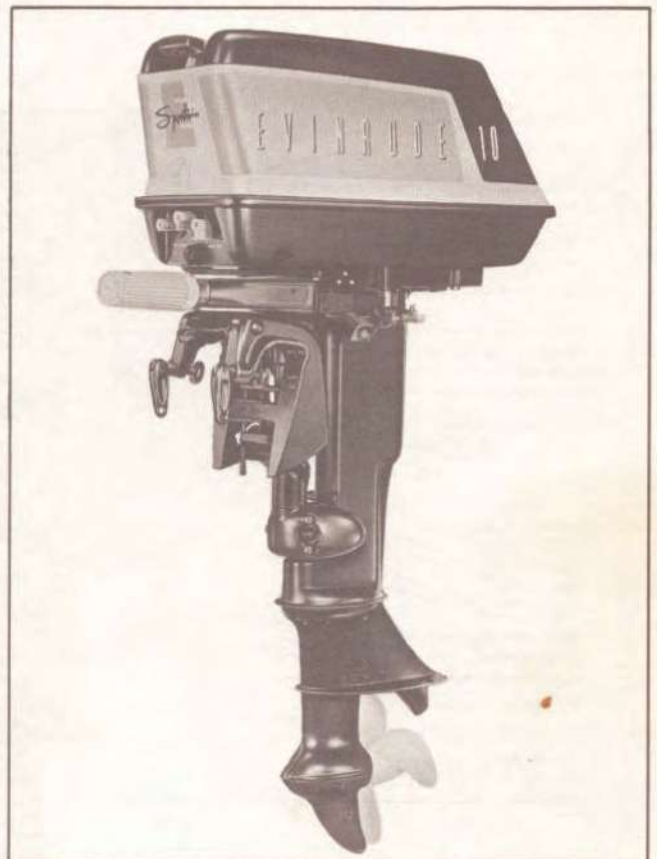
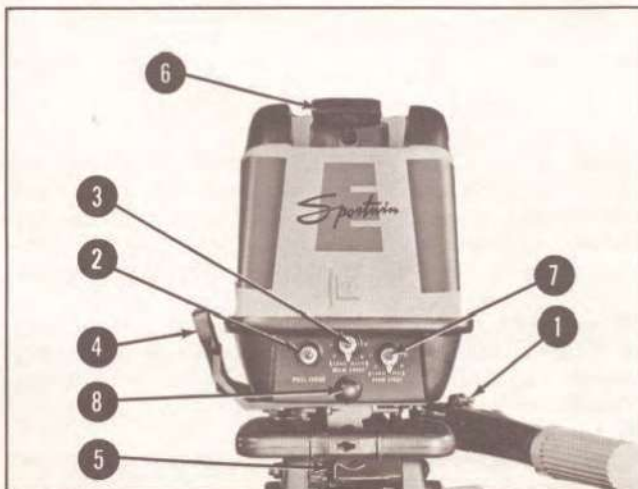
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control on steering handle in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcible. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

FASTWIN

DATA BULLETIN

SPECIFICATIONS

- Model 15028 Standard length shaft
- Model 15029 5 in. longer shaft
- Horsepower (O.B.C. certified) 18 at 4500 rpm
- Operating range 4000-5000
- Type 2 cycle alternate firing
- Number of cylinders Two
- Bore and stroke 2-1/2 x 2-1/4 in.
- Piston displacement 22.0 cubic in.
- *Propeller gear ratio 12:21 or 15:26
- Propeller 9-1/4 in. dia. x 11 in. pitch, 3-blade
- Cooling Centri-matic (combination positive displacement and centrifugal pump)
- Thermostat control
- Ignition Flywheel magneto
- Carburetor Float feed auto type with control dials
- Speed control Twist-grip synchronized throttle and spark
- Fuel tank capacity 6 gal. Cruis-A-Day tank
- Starter Eas-A-Matic, self re-winding
- Gear shift control Forward, neutral, reverse
- Weight 79 lbs. without Cruis-A-Day tank (tank weighs 13 lbs. net)
- *12:21 for motors 15028-10001 & up, 15029-02001 & up
- 15:26 to motors 15028-10000, 15029-02000

LUBRICATION AND FUEL INSTRUCTIONS

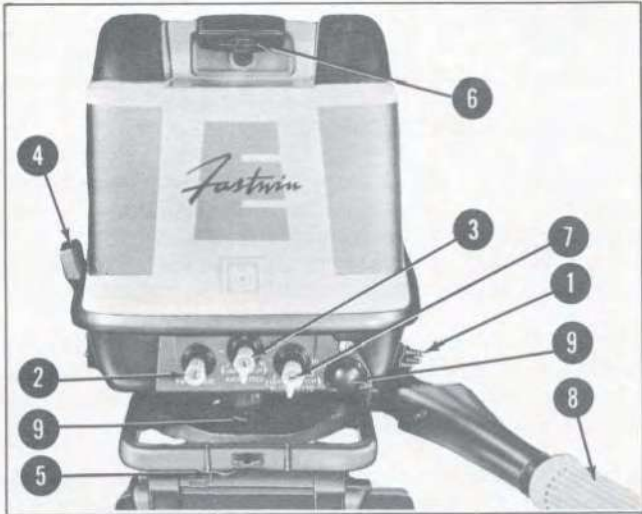
- Type of gasoline Regular
- Type of oil Outboard or SAE 30 auto engine oil
- Oil required per gallon of gasoline 1/3 pint
- Gear lubrication SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil may be used in emergency.

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season. DO NOT USE GREASE.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line from Cruis-A-Day tank to connector (1) on motor.
2. Press down on pump button on fuel tank 3 to 5 times.



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control (8) in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control (8) toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control toward FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

SPECIFICATIONS

Model 35012	Standard length shaft
Model 35013	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade, 10-3/8 dia. x 13-1/4 pitch
Cooling	Recirculating thermostatic control
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment, spring loaded choke
Speed control	Twist grip steering handle
Fuel tank capacity	6 gal. Hi-Lift Cruis-A-Day tank
Starter	Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	125 pounds without Cruis-A-Day tank (weight 11-1/4 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

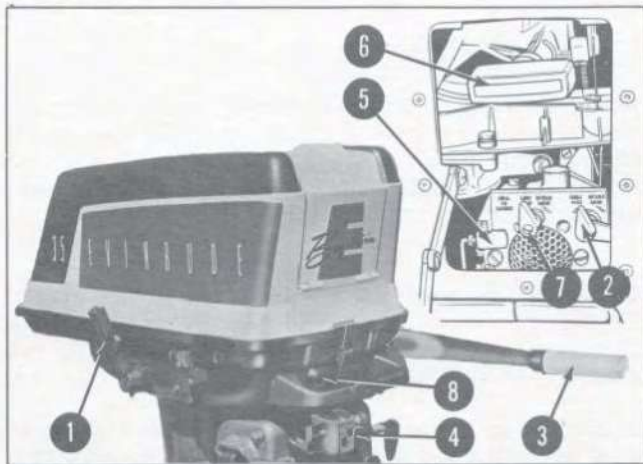
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on the two Zerk type fittings located on gear shift lever shaft, accessible by removing outer exhaust cover, and one on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line to Cruis-A-Day tank and connector on motor. Fuel connector nearest to primer bulb must be connected to tank.
2. Squeeze primer bulb several times until resistance is felt.



BIG TWIN

DATA BULLETIN



3. Place speed control (3) in "Shifting Range".
4. Place gear shift lever (1) in NEUTRAL position.
5. Move speed control (3) toward FAST position until it stops.
6. Open front panel and set high speed knob (2) with indicator in straightup position. In temperature below 40° F., turn high speed knob 1/4 turn to the left (counterclockwise).
7. Set Trim-lok (4) in LOCK position (long slot).
8. Pull out choke lever (5) all the way.
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. Push choke lever in slowly.
11. After motor has warmed up, retard speed control to shifting range. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (1). Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed at START or slower position before gear shift lever can be moved to FORWARD or NEUTRAL or REVERSE. DO NOT FORCE LEVER.

12. With gear shift in FORWARD only, turn speed control towards FAST and slowly turn high speed knob (2) either way until motor runs smoothly at high speed.

SPECIFICATIONS

Model 35516	Standard length shaft
Model 35517	5 in. longer shaft
Horsepower (O.B.C. certified)	35 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-1/16 in. x 2-3/4 in.
Piston displacement	40.5 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 10-3/8 dia. x 13-1/4 pitch
Cooling	Recirculating thermostatic control
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment
Speed control	Knob on steering bracket or Remote Control
Fuel tank capacity	6 gal. Hi-Lift Cruis-A-Day tank
Starter	Electric, Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	138 pounds without Hi-Lift Cruis-A-Day tank (weight 11-1/4 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

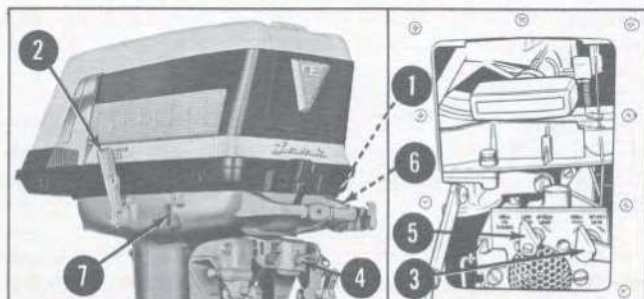
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

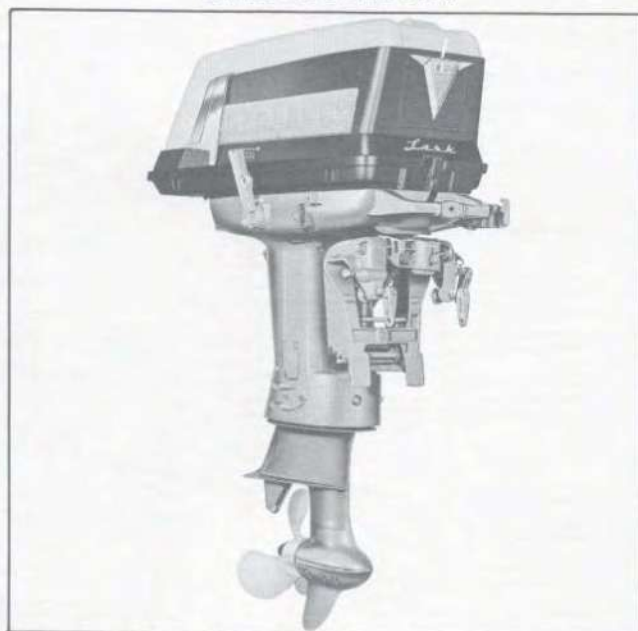
GREASING: A good grade waterproof grease on the two Zerk type fittings located on gear shift lever shaft, accessible by removing outer exhaust cover, and one on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector (7) to motor. Tighten thumb screw securely.
2. Connect fuel line from Hi-Lift Cruis-A-Day tank to connector (1) on port side of motor.
3. Fuel tank vents automatically when fuel line is attached to tank.
4. Squeeze primer bulb on fuel line several times until pressure on bulb increases, then stop.
5. Place speed control in "Shifting Range".



SECTION I



6. Place gear shift lever (2) in NEUTRAL position.
7. Move speed control toward FAST position until it stops.
8. Set high speed knob (3) with indicator straight up. In temperature below 40° F., turn knob 1/4 turn to left (counterclockwise).
9. Set Trim-lok (4) in LOCK position (long slot).
10. Push and hold choke button. Turn start key to the right until motor begins to crank. Hold key in start position and press choke button until motor starts. Release key immediately and return to vertical position after motor starts. Continue to push choke button intermittently until motor is warm.
11. After motor has warmed up, retard speed control to shifting range and shift to FORWARD, advance speed control to FAST and adjust high speed knob to best running position. Retard speed control to SLOW and adjust low speed knob (5) until motor operates satisfactorily at idling speed. With motor running at desired idling speed, turn in idle screw (6) until it grounds.
12. Shift to FORWARD or REVERSE as desired. Snap shift lever with a quick action.
13. To decrease speed, move speed control towards SLOW; to increase speed, advance towards FAST.

IMPORTANT

Speed control must always be placed within "shifting range" before gear shift lever can be moved to FORWARD, NEUTRAL, or REVERSE. Do not force.

14. To stop motor, retard speed control as far as it will go, then turn key back to "OFF" position; or pull out choke knob.

FOUR-FIFTY

DATA BULLETIN

SPECIFICATIONS

Model 50016	Standard length shaft
Model 50017	5 in. longer shaft
Horsepower (O.B.C. certified)	50 at 4500 rpm
Operating range	4000-5000
Type	V-type, 90° firing
Number of cylinders	Four
Bore and stroke	3 in. x 2-1/2 in.
Piston displacement	70.7 cubic in.
Propeller gear ratio	17:29
Propeller	3 blade, 12-1/8 dia. x 14 pitch
Cooling	Recirculating thermostatic control
Ignition	Automotive type magneto and distributor
Carburetor	Twin barrel, down draft, float feed, high and low speed adjustment, spring loaded choke
Throttle control	Manual or remote control
Fuel tank capacity	6 gal. Hi-Lift Tank
Starter	Eas-A-Matic rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	209 lbs. without tank (11-1/4 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	SAE 90 automotive hypoid gear lubricant. SAE 30 outboard oil can be used in emergency.

DO NOT USE GREASE IN GEAR CASE

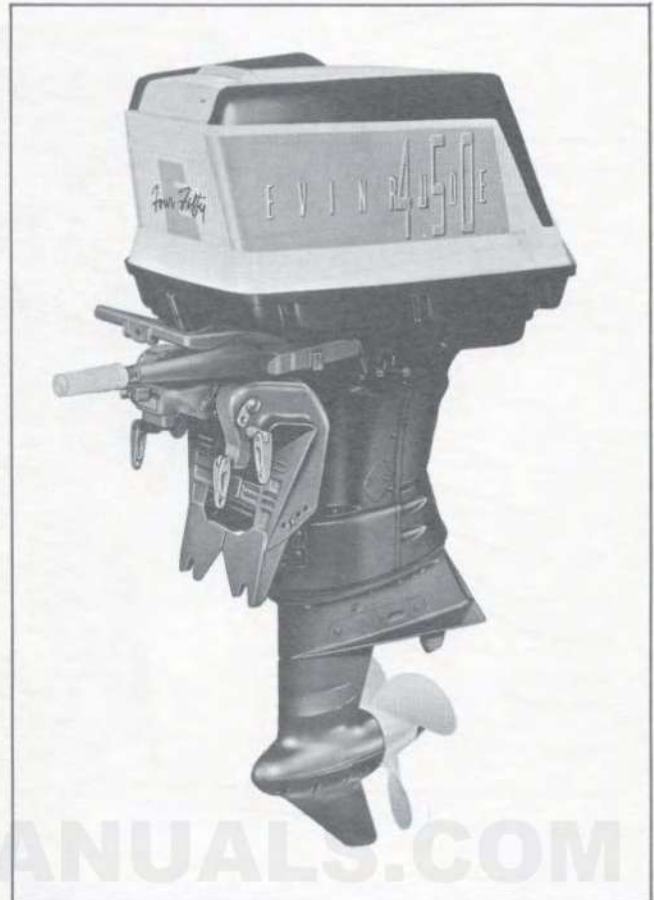
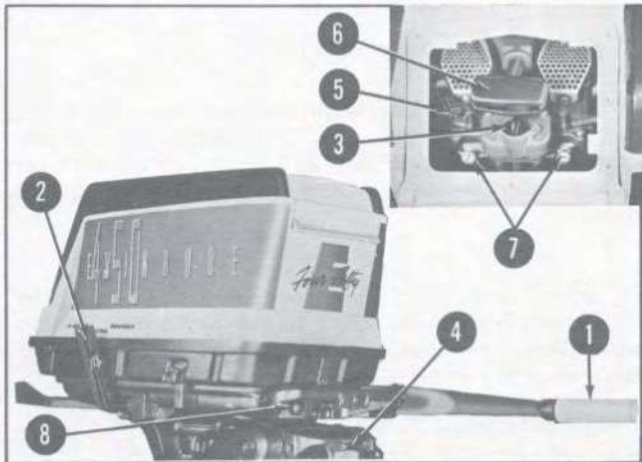
Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: Use a good grade waterproof grease on both Zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to primer bulb must be connected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.

2. Place speed control (1) in shifting range.



3. Move gear shift lever (2) to NEUTRAL position. Always start motor in NEUTRAL.

4. Advance speed control to START position (against stop).

5. Open front panel and set high speed knob (3) at No. 4 position. In temperatures below 40° F., turn knob to No. 5 position.

6. Set Trim-Lok (4) in LOCK position.

CAUTION

Place Trim-Lok in RELEASE position only when operating in shallow waters.

7. Pull out choke knob (5) all the way.

8. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.

9. After motor starts, push in choke knob.

10. After motor has warmed up, retard speed control to SLOW and shift to FORWARD. Advance speed control to FAST and adjust high speed knob to best running position. Then retard speed control to SLOW and adjust both slow speed knobs (7) to best idling position.

FISHERMAN

DATA BULLETIN

SPECIFICATIONS

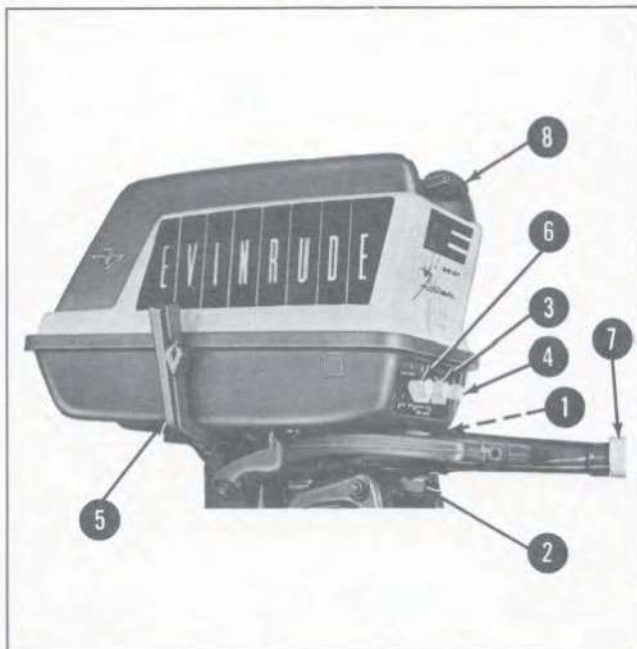
Model 5520	Standard length shaft
Model 5521	5 in. longer shaft
Horsepower (O.B.C. certified)	5.5 at 4000 rpm
Operating range	3500-4500
Number of cylinders	Two
Bore and stroke	1-15/16 x 1-1/2 in.
Type	2-cycle alternate firing
Piston displacement	8.84 cubic in.
Propeller gear ratio	15:26
Propeller	8" dia x 7-1/4" pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump, thermostat control
Ignition	Flywheel magneto
Carburetor	Automotive type, leaf valves
Control	Twist-grip, synchronized spark and throttle
Fuel tank capacity	6 gallon, suction-type tank
Starter	Eas-A-Matic, self rewinding
Gear shift control	Forward-neutral-reverse
Weight (all standard length models)	56 lbs. without Tank (tank weighs 11-1/2 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE 30 automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.



- | | |
|-----------------------|--------------------|
| 1 Fuel line connector | 5 Gear shift lever |
| 2 Tilt-up lock | 6 Slow speed knob |
| 3 High speed knob | 7 Speed control |
| 4 Choke knob | 8 Starting handle |



STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.
3. Set high speed knob (3) at center position.
4. Pull choke knob (4) out the full travel.
5. Place gear shift lever (5) at neutral position.
6. Place speed control (7) at START position.
7. Set tilt-up lock (2) in LOCK position.
8. Pull starting handle (8) slowly until starter engages, then pull forcibly. Repeat until motor starts.
9. After motor starts, allow to run until motor warms up; then push in choke knob and move gear shift lever to forward position. Turn speed control towards FAST and adjust high speed knob to best running position. Then retard speed control to SLOW, and adjust Slow Speed Knob (6).
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. To stop engine move speed control towards SLOW as far as it will go.

CAUTION

Speed control must always be in "SHIFT" or "SLOW" position before Gear Shift Lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE.

SPORTWIN

DATA BULLETIN

SPECIFICATIONS

Model 10020	Standard length shaft
Model 10021	5 in. longer shaft
Horsepower (O.B.C. certified)	10 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	2-3/8 x 1-7/8 in.
Piston displacement	16.6 cubic in.
Propeller gear ratio to (10020-14000, 10021-01300)	15:26
Propeller gear ratio (10020-14001 & 10021-01301 & up)	13:23
Propeller	8-1/4 in. dia. 8-1/2 in. pitch, 3-blade
Cooling	Centri-matic (combination positive displacement and centrifugal pump), thermostat control
Ignition	Flywheel magneto
Carburetor	Float feed auto type with control dials
Speed control	Twist-grip synchronized throttle and spark
Fuel tank capacity	6 gal. suction-type tank
Starter	Eas-A-Matic, self re-winding
Gear shift control	Forward, neutral, reverse
Weight	67 lbs without tank (tank weighs 11-1/2 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

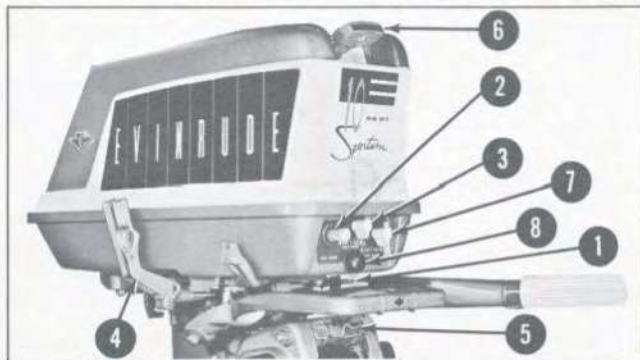
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

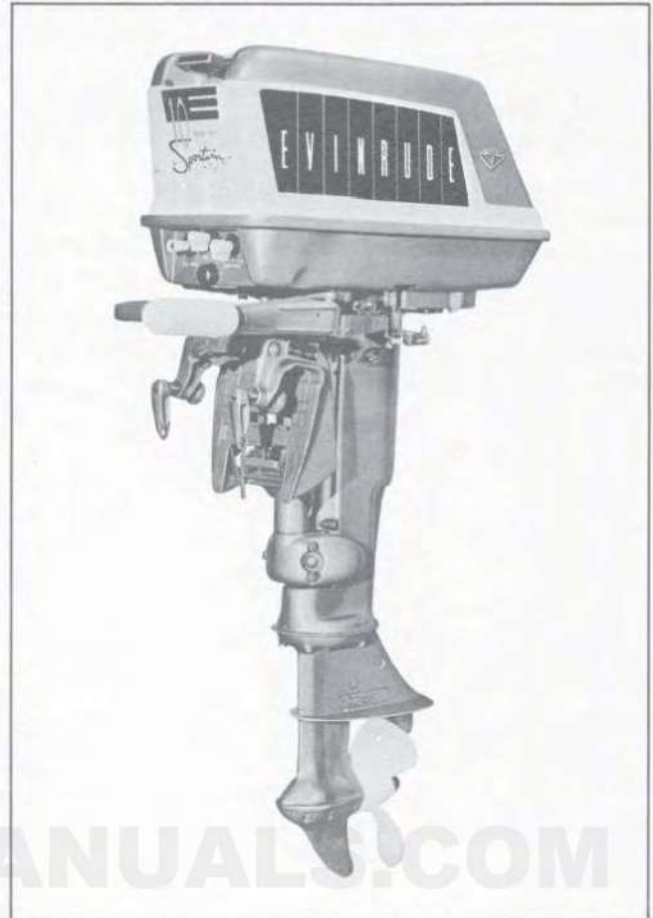
GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.
3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).



SECTION I



5. Place throttle control on steering handle in "Shifting Range".

6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.

7. Advance throttle control toward START until it stops.

8. Set Trim-Lok (5) in LOCK position (long slot).

9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.

10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

FASTWIN DATA BULLETIN

SPECIFICATIONS

Model 15032 Standard length shaft
Model 15033 5 in. longer shaft
Horsepower (O.B.C. certified) 18 at 4500 rpm
Operating range 4000-5000
Type 2 cycle alternate firing
Number of cylinders Two
Bore and stroke 2-1/2 x 2-1/4 in.
Piston displacement 22.0 cubic in.
Propeller gear ratio 12:21
Propeller 9-1/4 in. dia. x 11 in. pitch, 3-blade
Cooling Centri-matic (combination positive displacement and centrifugal pump)
Thermostat control
Ignition Flywheel magneto
Carburetor Float feed auto type with control dials
Speed control Twist-grip synchronized throttle and spark
Fuel tank capacity 6 gal. suction-type tank
Starter Eas-A-Matic, self re-winding
Gear shift control Forward, neutral, reverse
Weight 79 lbs. without tank (tank weighs 11-1/2 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

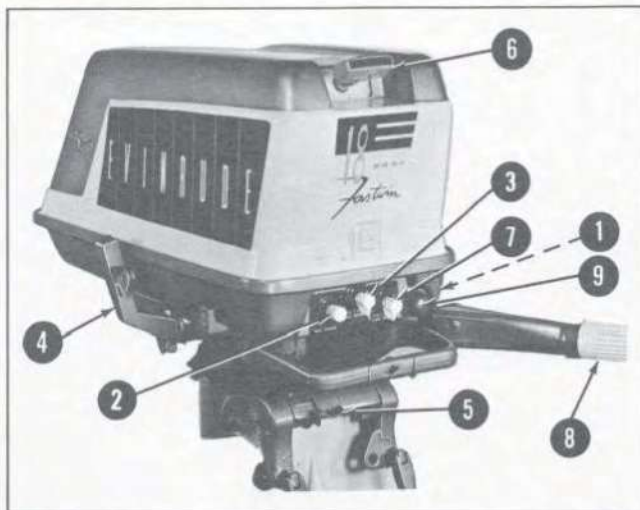
Type of gasoline Regular
Type of oil Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline 1/3 pint
Gear lubrication O.M.C. Type "B" lubricant

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season. **DO NOT USE GREASE.**

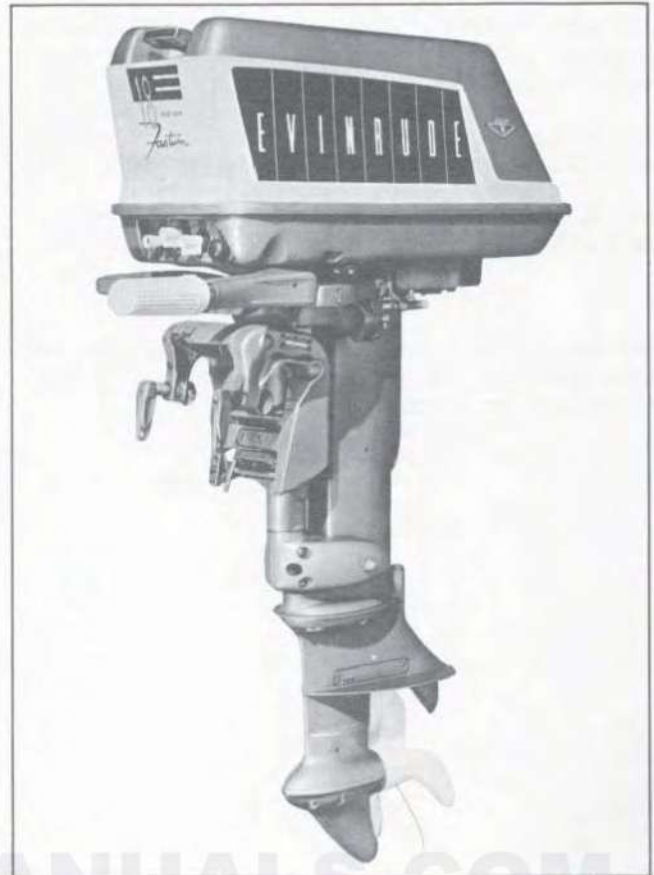
GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.



SECTION I



3. Pull out choke knob (2) all the way.
4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control (8) in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control (8) toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. **DO NOT FORCE LEVER.**

11. With gear shift in FORWARD only, turn throttle control toward FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

SPECIFICATIONS

Model 35018	Standard length shaft
Model 35019	5 in. longer shaft
Horsepower (O.B.C. certified)	40 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-3/16 in. x 2-3/4 in.
Piston displacement	43.89 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade, 10-3/8 dia. x 14 pitch
Propeller	3 blade, 10-3/8 dia. x 13-1/4 pitch
Cooling	Recirculating thermostatic control
Ignition	Flywheel magneto
Carburetor	Float feed - with high and low speed adjustment, spring loaded choke
Speed control	Twist grip steering handle
Fuel tank capacity ..	6 gal. Hi-Lift Cruis-A-Day tank
Starter	Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length) ...	129 pounds without tank (weight 11-1/2 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

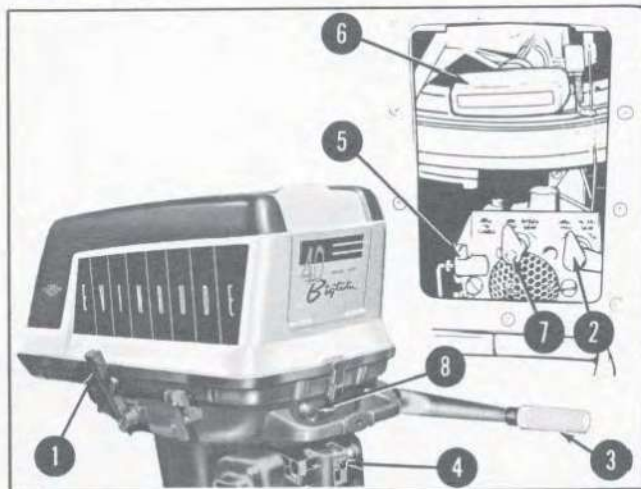
Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on the five Zerk type fittings for the gear shift lever shaft, swivel bracket, and speed control.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel line to Cruis-A-Day tank and connector on motor. Fuel connector nearest to primer bulb must be connected to tank.

2. Squeeze primer bulb several times until resistance is felt.



SECTION I

BIG TWIN

DATA BULLETIN



- Place speed control (3) in "Shifting Range".
- Place gear shift lever (1) in NEUTRAL position.
- Move speed control (3) toward FAST position until it stops.
- Open front panel and set high speed knob (2) with indicator in straightup position. In temperature below 40° F., turn high speed knob 1/4 turn to the left (counterclockwise).
- Set Trim-Lok (4) in LOCK position (long slot).
- Pull out choke lever (5) all the way.
- Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
- Push choke lever in slowly.
- After motor has warmed up, retard speed control to shifting range. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (1). Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed at START or slower position before gear shift lever can be moved to FORWARD or NEUTRAL or REVERSE. DO NOT FORCE LEVER.

12. With gear shift in FORWARD only, turn speed control towards FAST and slowly turn high speed knob (2) either way until motor runs smoothly at high speed.

SPECIFICATIONS

Model 35520 Standard length shaft
 Model 35521 5 in. longer shaft
 Horsepower (O.B.C. certified) 40 at 4500 rpm
 Operating range 4000-5000
 Type 2 cycle alternate firing
 Number of cylinders Two
 Bore and stroke 3-3/16 in. x 2-3/4 in.
 Piston displacement 43.89 cubic in.
 Propeller gear ratio 12:21
 Propeller 3 blade 10-3/8 dia. x 14 pitch
 Propeller 3 blade 10-3/8 dia. x 13-1/4 pitch
 Cooling Recirculating thermostatic control
 Ignition Flywheel magneto
 Carburetor Float feed - with high and low speed adjustment
 Speed control Knob on steering bracket or Remote Control
 Fuel tank capacity . . 6 gal. Hi-Lift suction-type tank
 Starter Electric, Simplex self rewinding
 Gear shift control . . . Forward - neutral - reverse
 Weight (standard length) . . . 141 pounds without tank (weight 11-1/2 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
 Type of oil SAE 30 outboard or regular automotive engine oil
 Oil required per gallon of gasoline 1/3 pint
 Gear lubrication O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and re-fill housing at end of season.

GREASING: A good grade waterproof grease on the five Zerk type fittings for the gear shift lever shaft, swivel bracket, and speed control.

STARTING AND OPERATING INSTRUCTIONS

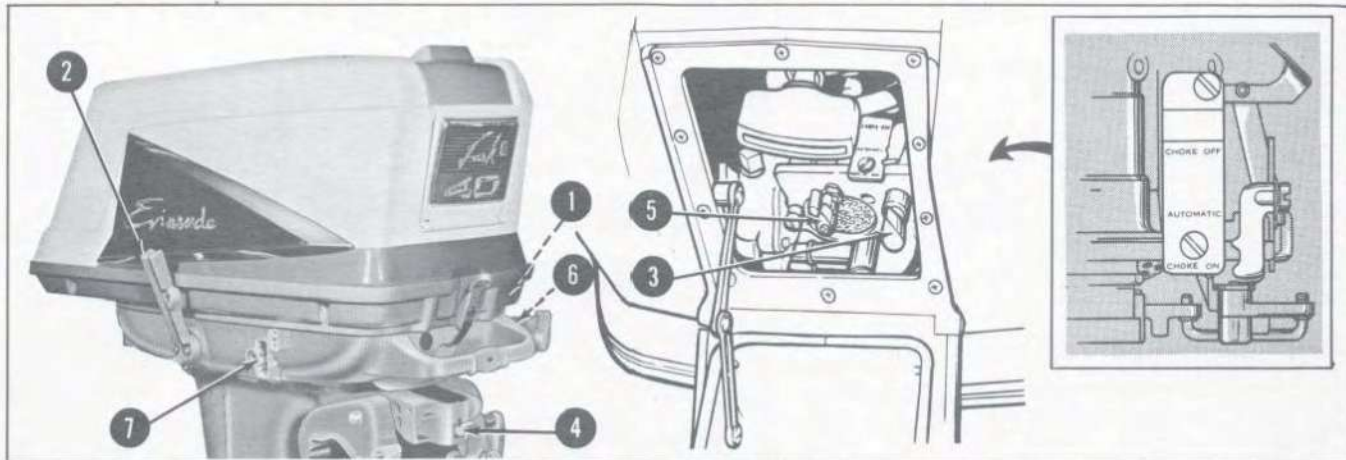
1. Connect electric starting plug-in connector (7) to motor. Tighten thumb screw securely.
2. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).

LARK *Electric*

DATA BULLETIN



3. Fuel tank vents automatically when fuel line is attached to tank.
4. Squeeze primer bulb on fuel line several times until pressure on bulb increases, then stop.
5. Place speed control in "shifting range".
6. Place gear shift lever (2) in NEUTRAL position.
7. Move speed control toward FAST position until it stops.
8. Set high speed knob (3) with indicator straight up. In temperature below 40° F., turn knob 1/4 turn to left (counterclockwise).



STARFLITE

DATA BULLETIN

SPECIFICATIONS

Model 50522.....	Standard length shaft
Model 50523.....	5 in. longer shaft
Horsepower (O.B.C. certified).....	75 at 4500 rpm
Operating range.....	4000-5000
Type.....	V-type, 90° firing
Number of cylinders.....	Four
Bore and stroke.....	3-3/8 in. x 2-1/2 in.
Piston displacement.....	89.46 cubic in.
Propeller gear ratio.....	20:23
Propeller.....	3 blade 10-1/8 dia. x 11 pitch
Cooling.....	Recirculating thermostatic control
Ignition... ..	Automotive type magneto and distributor
Carburetor.....	Twin barrel, down draft, float feed, high and low speed adjustment, spring loaded choke
Throttle control.....	Manual or remote control
Fuel tank capacity.....	6 gal. suction-type Tank
Starter.....	Electric and Eas-A-Matic rewinding
Gear shift control.....	Forward - Neutral - Reverse
Weight (standard length).....	235 lbs. without tank (11-1/2 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline..... Regular
Type of oil..... SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline..... 1/3 pint
Gear lubrication... O.M.C. TYPE "B" LUBRICANT

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: Use a good grade waterproof grease on all Zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Connect electric starting plug-in connector to motor. Tighten thumb screw securely.
2. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to primer bulb must be connected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.

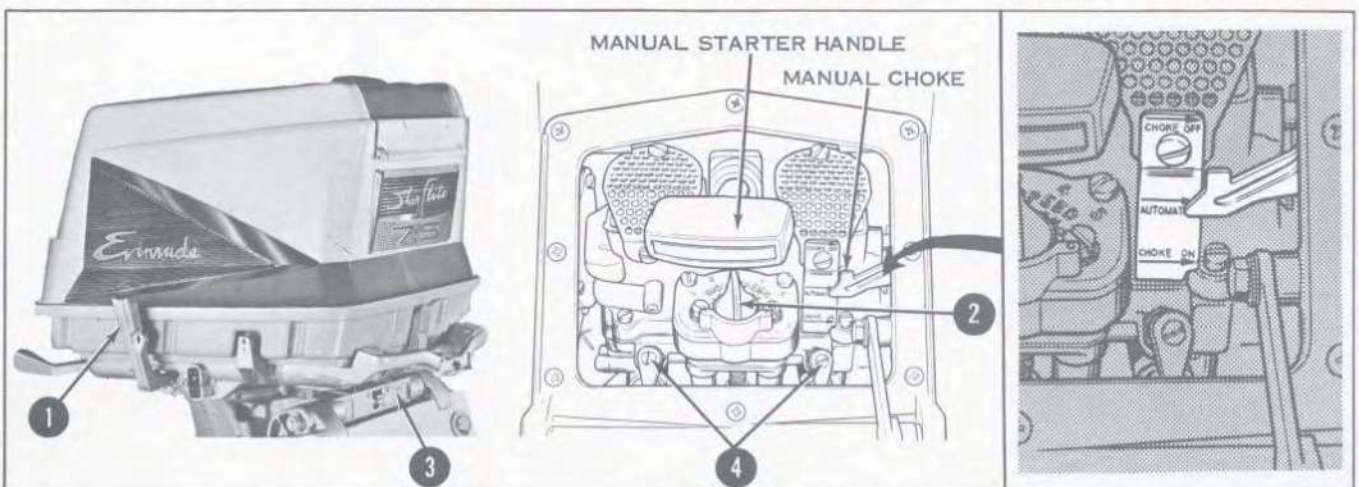


3. Place speed control in shifting range.
4. Move gear shift lever (1) to NEUTRAL position.
5. Advance speed control to START position (against stop).
6. Open front panel and set high speed knob (2) at No. 4 position. In temperatures below 40° F., turn knob to No. 5 position.
7. Set Trim-Lok (3) in LOCK position.

CAUTION

PLACE TRIM-LOK IN RELEASE POSITION ONLY WHEN OPERATING IN SHALLOW WATERS.

8. Turn start key to the right until motor begins to crank. Hold key in start position. Release key im-



LIGHTWIN

DATA BULLETIN

SPECIFICATIONS

Models 3038, 3040 Standard length shaft
 Model 3039 5 in. longer shaft
 Horsepower (O.B.C. certified) . . . 3.0 at 4000 rpm
 Operating range 3500 to 4500 rpm
 Type 2-cycle, alternate firing
 Number of cylinders Two
 Bore and stroke 1-9/16 x 1-3/8 in.
 Piston displacement 5.28 cubic in.
 Propeller gear ratio 17:28
 Propeller 6-1/8 dia. x 6-1/4 pitch, 2-blade
 Cooling . . . Combination positive displacement and centrifugal pump
 Ignition Flywheel magneto
 Carburetor Automotive type, reed valves
 Control . . One lever synchronized spark and throttle
 Fuel tank capacity . 0.7 gal. (approximate 5-1/2 pts.)
 Starter Eas-A-Matic, self-rewinding
 Reverse 360° pivoting
 Fisherman drive . Rubber propeller protection clutch
 Weights: Models 3038, 3040 33 lbs.
 Model 3039 34 lbs.

LUBRICATION AND FUEL INSTRUCTIONS

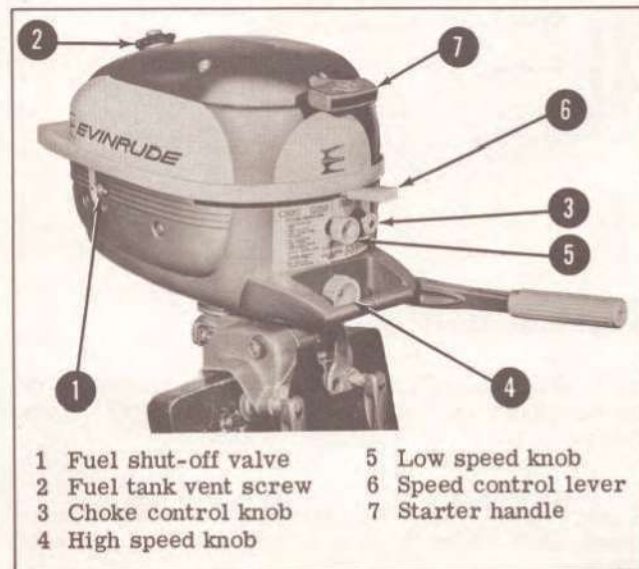
Type of gasoline Regular
 Type of oil Outboard or SAE 30 auto engine oil
 Quantity of oil required per
 gallon of gasoline 1/3 pt.
 Gear lubrication O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

STARTING AND OPERATING INSTRUCTIONS

1. Fully open fuel shut-off valve (1).
2. Open vent screw (2) on top of filler cap.
3. Pull out choke knob (3).
4. Turn high speed knob (4) to center position.



5. Set speed control lever (6) in START position.
6. Pull starter handle (7) slowly until starter engages, then pull forcibly. Repeat until motor starts.
7. After motor starts, push in choke knob.
8. Move speed control lever towards FAST, as indicated on motor cover and slowly adjust high speed knob until motor runs smoothly.
9. To control speed, move speed control lever in directions FAST or SLOW as indicated on motor cover.
10. To stop motor, move speed control lever toward extreme direction STOP. Close shut-off valve (1).
11. To start a warm motor, leave high speed knob (4) in running position. Do not use choke unless motor fails to start after three attempts. After motor starts, push choke in.

To make high speed adjustment, operate motor with speed control lever fully advanced; then adjust high speed knob (4) clockwise for leaner mixture and counterclockwise for richer mixture until motor runs smoothly at its highest speed.

To make low speed adjustment, slowly move speed control lever toward SLOW position; then adjust the low speed knob (5) by slowly turning clockwise or counterclockwise until motor runs smoothly at its slowest speed.

It may be necessary to again slightly readjust high speed knob after the low speed knob is properly adjusted.

FISHERMAN

DATA BULLETIN

SPECIFICATIONS

Model 5522	Standard length shaft
Model 5523	5 in. longer shaft
Horsepower (O.B.C. certified)	5.5 at 4000 rpm
Operating range	3500-4500
Number of cylinders	Two
Bore and stroke	1-15/16 x 1-1/2 in.
Type	2-cycle alternate firing
Piston displacement	8.84 cubic in.
Propeller gear ratio	15:26
Propeller	8" dia x 7-1/4" pitch, 2-blade
Cooling	Combination positive displacement and centrifugal pump, thermostat control
Ignition	Flywheel magneto
Carburetor	Automotive type, leaf valves
Control	Twist-grip, synchronized spark and throttle
Fuel tank capacity	6 gallon, suction-type tank
Starter	Eas-A-Matic, self rewinding
Gear shift control	Forward, neutral, reverse
Weight (all standard length models)	55.5 lbs. without tank (tank weighs 12 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

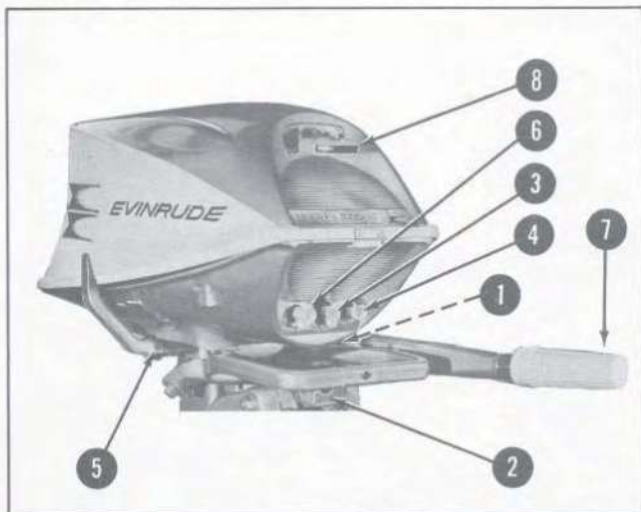
Type of gasoline	Regular
Type of oil	Outboard or SAE 30 automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.
3. Set high speed knob (3) at center position.



4. Pull choke knob (4) out the full travel.
5. Place gear shift lever (5) at neutral position.
6. Place speed control (7) at START position.
7. Set tilt-up lock (2) in LOCK position.
8. Pull starting handle (8) slowly until starter engages, then pull forcibly. Repeat until motor starts.
9. After motor starts, allow to run until motor warms up; then push in choke knob and move gear shift lever to forward position. Turn speed control towards FAST and adjust high speed knob to best running position. Then retard speed control to SLOW, and adjust slow speed knob (6).
10. To control speed, move speed control towards SLOW position to decrease speed and advance towards FAST position to increase speed.
11. To stop engine move speed control towards SLOW as far as it will go.

CAUTION

Speed control must always be in "SHIFT" or "SLOW" position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE.

SPORTWIN

DATA BULLETIN

SPECIFICATIONS

Model 10022 Standard length shaft
 Model 10023 5 in. longer shaft
 Horsepower (O.B.C. certified) . . . 10 at 4500 rpm
 Operating range 4000-5000
 Type 2 cycle alternate firing
 Number of cylinders Two
 Bore and stroke 2-3/8 x 1-7/8 in.
 Piston displacement 16.6 cubic in.
 Propeller gear ratio 13:23
 Propeller . . . 8-1/4 in. dia. 8-1/2 in. pitch, 3-blade
 Cooling Centri-matic (combination positive displacement and centrifugal pump), thermostat control
 Ignition Flywheel magneto
 Carburetor . . . Float feed auto type with control dials
 Speed control Twist-grip synchronized throttle and spark
 Fuel tank capacity 6 gal. suction-type tank
 Starter Eas-A-Matic, self re-winding
 Gear shift control Forward, neutral, reverse
 Weight 67 lbs without tank (tank weighs 12 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
 Type of oil Outboard or SAE 30 auto engine oil
 Oil required per gallon of gasoline 1/3 pint
 Gear lubrication O.M.C. Type "B" lubricant

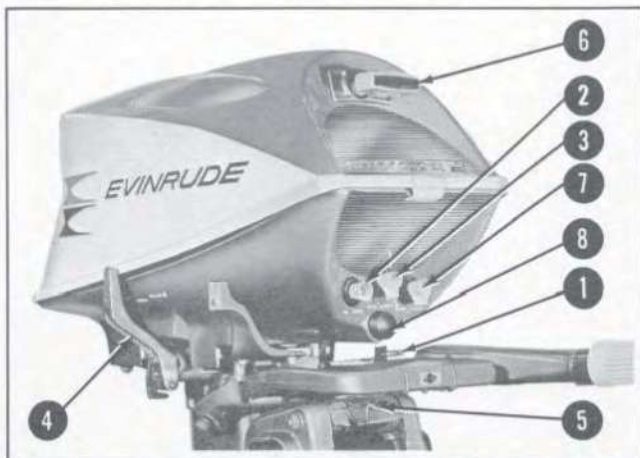
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.
3. Pull out choke knob (2) all the way.



4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control on steering handle in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. ALWAYS START MOTOR IN NEUTRAL.
7. Advance throttle control toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. DO NOT FORCE LEVER.

11. With gear shift in FORWARD only, turn throttle control towards FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

FASTWIN

DATA BULLETIN

SPECIFICATIONS

Model 15034	Standard length shaft
Model 15035	5 in. longer shaft
Horsepower (O.B.C. certified)	18 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	2-1/2 x 2-1/4 in.
Piston displacement	22.0 cubic in.
Propeller gear ratio	12:21
Propeller	9-1/4 in. dia. x 11 in. pitch, 3-blade
Cooling	Centri-matic (combination positive displacement and centrifugal pump) Thermostat control
Ignition	Flywheel magneto
Carburetor	Float feed auto type with control dials
Speed control	Twist-grip synchronized throttle and spark
Fuel tank capacity	6 gal. suction-type tank
Starter	Eas-A-Matic, self re-winding
Gear shift control	Forward, neutral, reverse
Weight	77 lbs. without tank (tank weighs 12 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

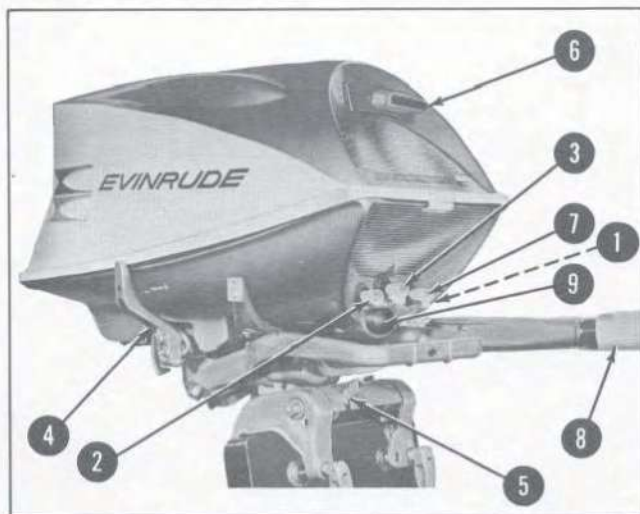
Type of gasoline	Regular
Type of oil	Outboard or SAE 30 auto engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season. **DO NOT USE GREASE.**

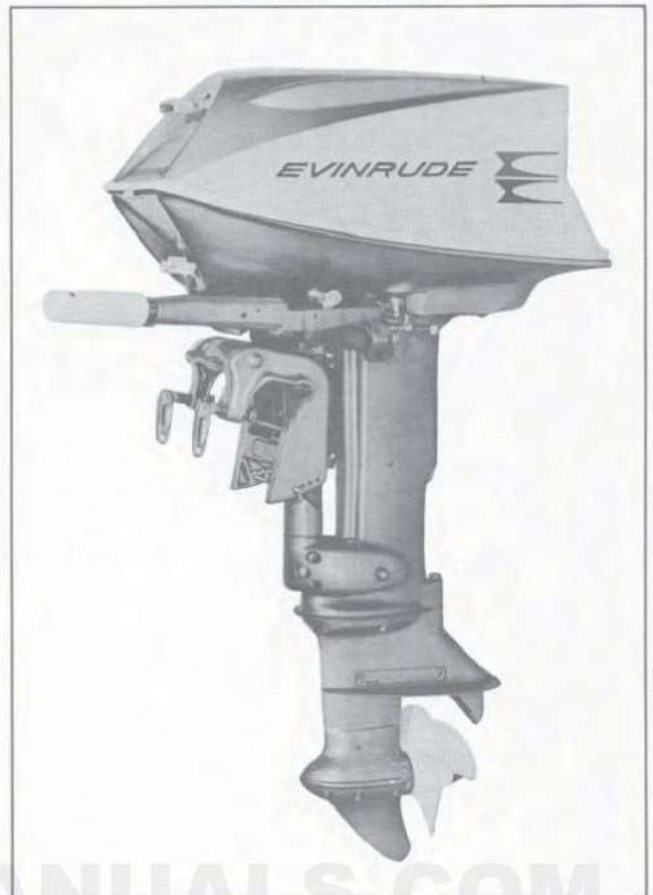
GREASING: A good grade waterproof grease on Zerk type fittings located on gear shift lever shaft and on starboard side of swivel bracket.

STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
2. Squeeze fuel line primer bulb several times until resistance is felt.
3. Pull out choke knob (2) all the way.



SECTION I



4. Turn high speed knob (3) to center position. To start motor in temperature below 40° F. turn high speed knob 1/4 turn to the left (counterclockwise).
5. Place throttle control (8) in "Shifting Range".
6. Place gear shift lever (4) at NEUTRAL position. **ALWAYS START MOTOR IN NEUTRAL.**
7. Advance throttle control (8) toward START until it stops.
8. Set Trim-Lok (5) in LOCK position (long slot).
9. Pull starter handle (6) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
10. After motor starts, push in choke knob (2) slowly. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (4).

IMPORTANT

Throttle control must always be placed at START or slower position before gear shift lever can be moved to FORWARD, NEUTRAL or REVERSE. **DO NOT FORCE LEVER.**

11. With gear shift in FORWARD only, turn throttle control toward FAST and slowly turn high speed knob (3) either way until motor runs smoothly.

BIG TWIN

DATA BULLETIN

SPECIFICATIONS

Model 35022	Standard length shaft
Model 35023	5 in. longer shaft
Horsepower (O.B.C. certified)	40 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-3/16 in. x 2-3/4 in.
Piston displacement	43.9 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade, 10-3/8 dia. x 14 pitch
Alternate Service Propellers	10-3/8 x 13-1/4, 10-3/8 x 12-1/2, 10-3/8 x 11-1/2
Cooling	Recirculating thermostatic control
Ignition	Flywheel magneto
Carburetor	Float feed - with low speed adjustment, spring loaded choke
Speed control	Knob on steering bracket or remote control
Fuel tank capacity	6 gal. suction type tank
Starter	Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	131 pounds without tank (weight 12 lbs. net)

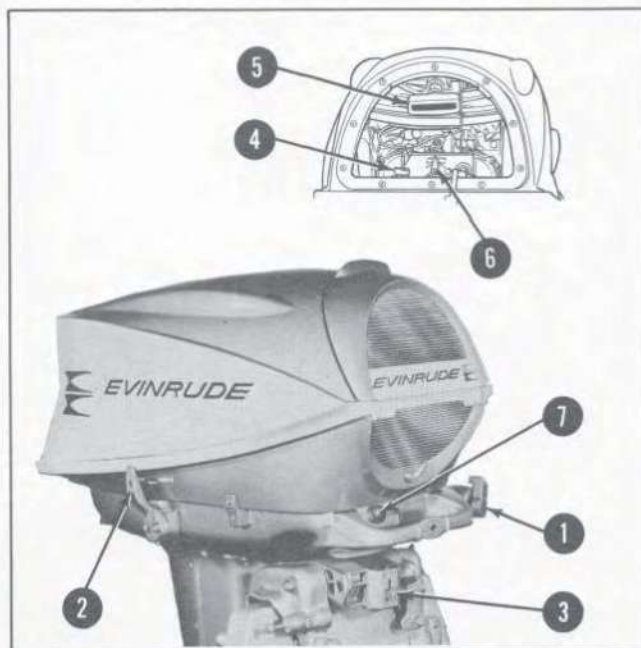
LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and re-fill housing at end of season.

GREASING: A good grade waterproof grease on the five Zerk type fittings for the gear shift lever shaft, swivel bracket, and speed control.



STARTING AND OPERATING INSTRUCTIONS

1. Connect fuel hose to plug-in connector on motor and tank (connector nearest bulb at tank).
2. Squeeze primer bulb several times until resistance is felt.
3. Place speed control (1) in "Shifting Range".
4. Place gear shift lever (2) in NEUTRAL position.
5. Move speed control (1) toward FAST position until it stops.
6. Set Trim-Lok (3) in LOCK position (long slot).
7. Pull out choke lever (4) all the way.
8. Pull starter handle (5) slowly until starter engages, then pull forcibly. Repeat until motor starts. Allow starter cord to rewind before releasing handle.
9. Push choke lever in slowly.
10. After motor has warmed up, retard speed control to shifting range. The motor may be idled in NEUTRAL or shifted to FORWARD or REVERSE as desired by moving the gear shift lever (2). Snap shift lever with a quick action.

IMPORTANT

Speed control must always be placed at START or slower position before gear shift lever can be moved to FORWARD or NEUTRAL or REVERSE. DO NOT FORCE LEVER.

SPECIFICATIONS

Model 35524	Standard length shaft
Model 35525	5 in. longer shaft
Horsepower (O.B.C. certified)	40 at 4500 rpm
Operating range	4000-5000
Type	2 cycle alternate firing
Number of cylinders	Two
Bore and stroke	3-3/16 in. x 2-3/4 in.
Piston displacement	43.9 cubic in.
Propeller gear ratio	12:21
Propeller	3 blade 10-3/8 dia. x 14 pitch
Alternate Service	
Propellers	10-3/8 x 13-1/4, 10-3/8 x 12-1/2, 10-3/8 x 11-1/2
Cooling	Recirculating thermostatic control
Ignition	Flywheel magneto
Carburetor	Float feed - with low speed adjustment
Speed control	Knob on steering bracket or Remote Control
Fuel tank capacity	6 gal. suction-type tank
Starter	Electric, Simplex self rewinding
Gear shift control	Forward - neutral - reverse
Weight (standard length)	143 pounds without tank (weight 12 pounds net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

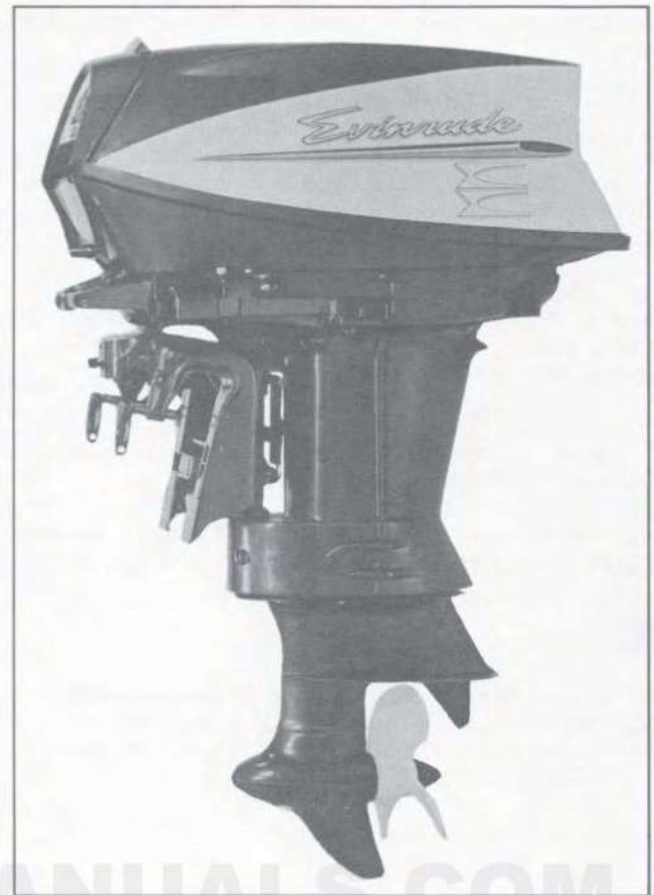
DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

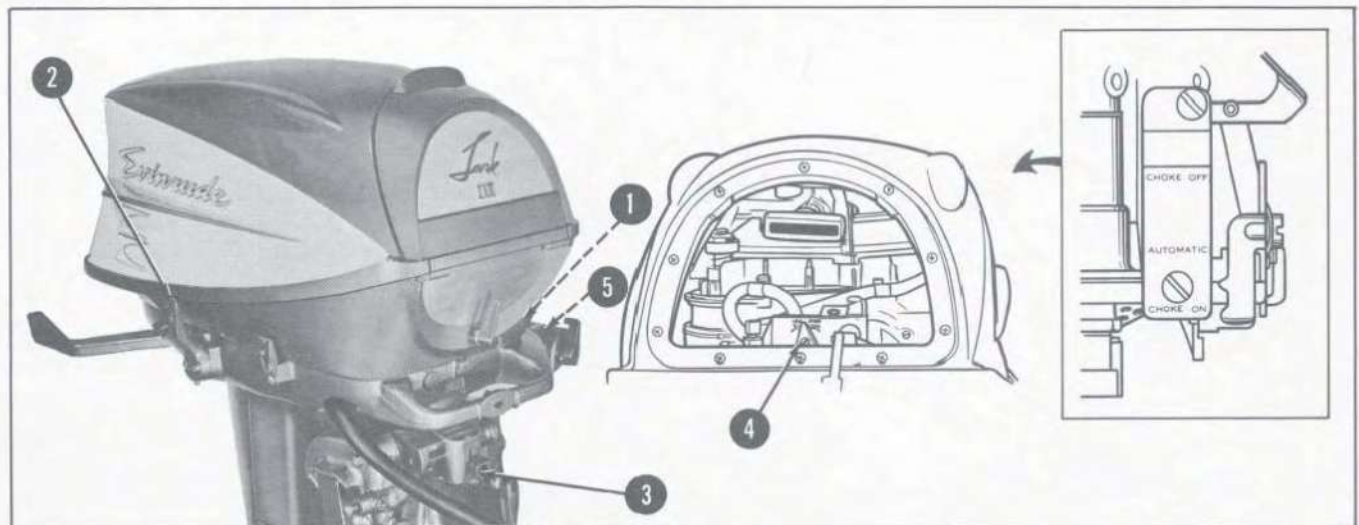
GREASING: A good grade waterproof grease on the five Zerk type fittings for the gear shift lever shaft, swivel bracket, and speed control.

STARTING AND OPERATING INSTRUCTIONS

1. Make necessary electrical connections per instructions. Tighten connections securely.



2. Connect fuel hose to plug-in connector on motor (1) and tank (connector nearest bulb at tank).
3. Fuel tank vents automatically when fuel line is attached to tank.
4. Squeeze primer bulb on fuel line several times until pressure on bulb increases, then stop.
5. Place speed control in "shifting range".
6. Place gear shift lever (2) in NEUTRAL position.



STARFLITE

DATA BULLETIN

SPECIFICATIONS

Model 50524	Standard length shaft
Model 50525	5 in. longer shaft
Horsepower (O.B.C. certified)	75 at 4500 rpm
Operating range	4000-5000
Type	V-type, 90° firing
Number of cylinders	Four
Bore and stroke	3-3/8 in. x 2-1/2 in.
Piston displacement	89.5 cubic in.
Propeller gear ratio	20:23
Propeller	3 blade 10 dia. x 11 pitch
Alternate Service Propellers	
	10 in. x 12 in., 10-1/4 in. x 10 in.
Cooling	Recirculating thermostatic control
Ignition	Automotive type magneto and distributor
Carburetor	Twin barrel, down draft, float feed, low speed adjustment, automatic spring loaded choke
Throttle control	Manual or remote control
Fuel tank capacity	6 gal. suction-type tank
Starter	Electric and Eas-A-Matic rewinding
Gear shift control	Forward - Neutral - Reverse
Weight (standard length)	220 lbs. without tank (12 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline	Regular
Type of oil	SAE 30 outboard or regular automotive engine oil
Oil required per gallon of gasoline	1/3 pint
Gear lubrication	O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: Use a good grade waterproof grease on all Zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Make necessary electrical connections per instructions. Tighten connections securely.
2. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to primer bulb must be con-

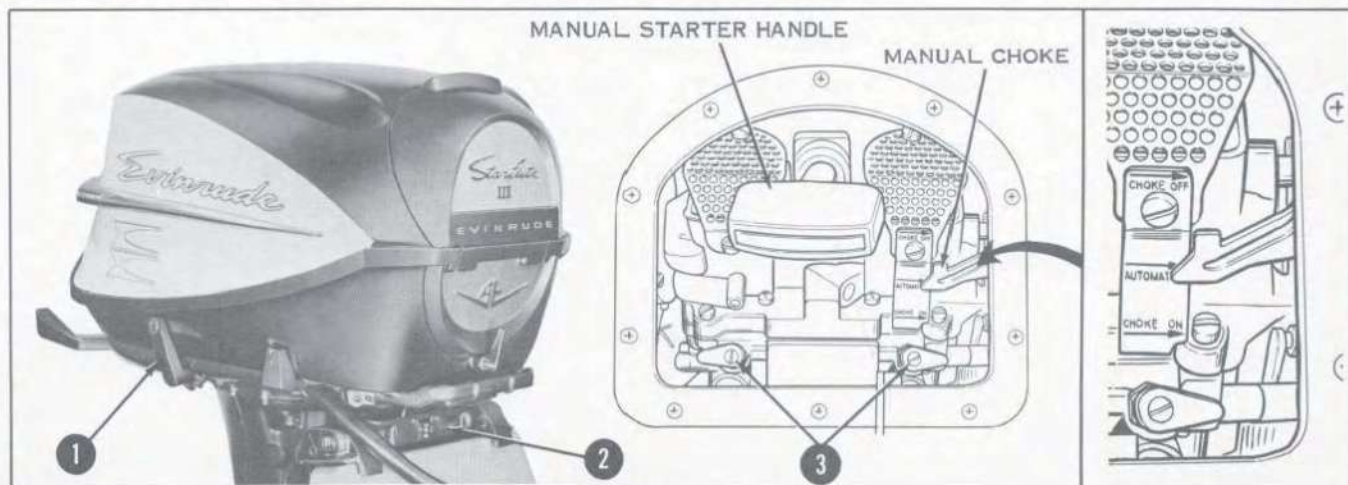


nected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.

3. Place speed control in shifting range.
4. Move gear shift lever (1) to NEUTRAL position.
5. Advance speed control to START position (against stop).
6. Set Trim-Lok (2) in LOCK position.

CAUTION

PLACE TRIM-LOK IN RELEASE POSITION ONLY WHEN OPERATING IN SHALLOW WATERS.



STARFLITE

UNI-CHARGER DATA BULLETIN

SPECIFICATIONS

Model 50926 Standard length shaft
 Model 50927 5 in. longer shaft
 Horsepower (O.B.C. certified) 75 at 4500 rpm
 Operating range 4000-5000
 Type V-type, 90° firing
 Number of cylinders Four
 Bore and stroke 3-3/8 in. x 2-1/2 in.
 Piston displacement 89.5 cubic in.
 Propeller gear ratio 20:23
 Propeller 3 blade 10 dia. x 11 pitch

Alternate Service Propellers

10 in. x 12 in., 10-1/4 in. x 10 in.

Cooling Recirculating thermostatic control
 Ignition Automotive type Battery Ignition System
 Carburetor Twin barrel, down draft, float feed, low speed adjustment, automatic spring loaded choke
 Throttle control Manual or remote control
 Fuel tank capacity 6 gal. suction-type tank
 Starter Electric and Battery Ignition System
 Gear shift control Forward - Neutral - Reverse
 Weight (standard length) 240 lbs. without tank (12 lbs. net)

LUBRICATION AND FUEL INSTRUCTIONS

Type of gasoline Regular
 Type of oil SAE 30 outboard or regular automotive engine oil
 Oil required per gallon of gasoline 1/3 pint
 Gear lubrication O.M.C. Type "B" lubricant

DO NOT USE GREASE IN GEAR CASE

Check lubricant in gear case after first five hours of operation, then after each 50 hours. Drain and refill housing at end of season.

GREASING: Use a good grade waterproof grease on all Zerk fittings.

STARTING AND OPERATING INSTRUCTIONS

1. Make necessary electrical connections per instructions. Tighten connections securely.
2. Connect fuel line to tank and motor. **IMPORTANT:** Fuel connector nearest to primer bulb must be con-



ected to tank. Squeeze primer bulb several times until pressure required to squeeze bulb increases.

3. Place speed control in shifting range.
4. Move gear shift lever (1) to NEUTRAL position.
5. Advance speed control to START position (against stop).
6. Set Trim-Lok (2) in LOCK position.

CAUTION

PLACE TRIM-LOK IN RELEASE POSITION ONLY WHEN OPERATING IN SHALLOW WATERS.

