

**S0300-BV-CAT-020**

**BOOM TENDING BOAT (RIGID) P03200**

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18' Boom Tending Boat WB0942

**BOOM TENDING BOAT (RIGID)****SYSTEM NUMBER P03200**

## SYSTEM DESCRIPTION

The Boom Tending Boat System P03200 consists of an 18-foot rigid-hulled utility boat, an outboard motor, a tool box, and a boat trailer.

The 18' boat is equipped and shipped with the following ancillary equipment onboard: life preservers, anchor and anchor line, mooring lines, tow line, boat hook, boat plug, horn, compass, fire extinguisher, first aid kit, flare kit, boat paddle, radar reflector, and tool box.

The Boom Tending Boat System is used for inspecting, repairing, or reinflating moored containment boom systems, and other miscellaneous tasks in protected, shallow water areas.

## SYSTEM COMPONENTS

<u>Item</u>	<u>ESSM Number</u>	<u>Qty</u>
1. Boat, 18' Boom Tending	WB0942	1
Motor, Outboard		1
115-Hp	MT0943	
120-Hp	MT0946 (Altn)	
90-Hp	MT0948 (Altn)	
90-Hp, 4-Stroke	MT0050 (Altn)	
Trailer, for WB0942 BTB	TR0936	1
Tool Box, 18' Boom Tending Boat	TL0050	1

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18' Boom Tending Boat WB0942

**BOAT, 18' BOOM TENDING****ESSM NUMBER WB0942****DESCRIPTION**

The 18' Boom Tending Boat (BTB) WB0942 is a rigid-hulled, fiberglass boat used for tending, inspecting, and repairing containment boom systems and for transporting material and personnel in protected shallow water areas. The boat is powered by a 115-, 120-, or 90-horsepower outboard motor, and can be launched and retrieved from a trailer or by a crane with slings. The boat is operated by one crewman and has a total capacity for up to three additional passengers/crew. It has navigational lights for night operations and a center console with steering and throttle controls.

**SPECIFICATIONS**

Manufacturer	Uniflite Boston Whaler
Model	18UB 18BT
Material	Fiberglass
Max. load capacity	5000 lb
Draft (full load)	10 3/4 in.
Displacement (full load)	2600 lb
Propulsion	Outboard motor
Fuel	Gasoline
Fuel capacity	36 gallons (2 tanks)
Crew/passengers	1/3
Electrical system	12 V dc
Turning radius (full power)	40 yards

**PHYSICAL CHARACTERISTICS**

	<u>Boat</u>	<u>Trailer w/boat (shipping)</u>
Length	17 ft, 6 in.	25 ft, 1 in.
Width	7 ft, 0 in.	8 ft, 6 in.
Height	4 ft, 3 in.	6 ft, 1 in.
Cube	521 cu ft	1298 cu ft
Weight	2270 lb	1265 lb

**REFERENCES**

1. NAVSEA Boat Information Book, 18' Utility, S9007-BW-BIM-010.



**MOTOR, OUTBOARD, 115-HP**

**ESSM NUMBER MT0943**

DESCRIPTION

The 115-Hp Outboard Motor MT0943 is used to power the Boom Tending Boat WB0942. The 2-cycle gasoline motor has a V-4 cylinder arrangement with power trim and tilt positioning and a variable ratio oiling (VRO) system that mixes oil with the gasoline as it enters the carburetor. Some of the outboard motors are not equipped with a VRO system and require a 50-to-1 oil mixture added to the gasoline tank.

SPECIFICATIONS

Manufacturer	Johnson
Number of cylinders	4
Full throttle operating range	5000 to 6000 rpm
RPM at idle, in gear, w/propeller	650 rpm
Bore/Stroke	3.500"/2.860"
Piston displacement	110 cu. in.
Starter	Electric, 12 V dc
Propeller	14 1/2" diameter x 19" pitch
Horsepower	115

PHYSICAL CHARACTERISTICS

	<u>Operating/Shipping</u>
Length	3 ft, 0 in.
Width	2 ft, 0 in.
Height	5 ft, 0 in.
Cube	30 cu ft
Weight	365 lb

REFERENCES

1. OMC Outboard Service Manual, Models 2 through V-6; 507508, 1 through 12.

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120-Hp Outboard Motor MT0946

**MOTOR, OUTBOARD, 120-HP**

**ESSM NUMBER MT0946**

DESCRIPTION

The 120-Hp Outboard Motor MT0946 is used to power the Boom Tending Boat WB0942. The 2-cycle gasoline motor has a V-4 cylinder arrangement with power trim and tilt positioning and a variable ratio oiling (VRO) system that mixes oil with the gasoline as it enters the carburetor. Some of the outboard motors are not equipped with a VRO system and require a 50-to-1 oil mixture added to the gasoline tank.

SPECIFICATIONS

Manufacturer	Johnson
Number of cylinders	4
Full throttle operating range	5000 to 6000 rpm
RPM at idle, in gear, w/propeller	650 rpm
Bore/stroke	3.500"/2.860"
Piston displacement	110 cu. in.
Starter	Electric, 12 V dc
Propeller	14 1/2" diameter x 19" pitch
Horsepower	120

PHYSICAL CHARACTERISTICS

	<u>Operating/Shipping</u>
Length	3 ft, 0 in.
Width	2 ft, 0 in.
Height	5 ft, 0 in.
Cube	30 cu ft
Weight	365 lb

REFERENCES

1. OMC Outboard Service Manual, Models 2 through V-6; 507508, 1 through 12.



90-Hp Outboard Motor MT0948

**MOTOR, OUTBOARD, 90-HP**

**ESSM NUMBER MT0948**

DESCRIPTION

The 90-Hp Outboard Motor MT0948 is a 2-cycle gasoline motor used to power the Boom Tending Boat WB0942.

SPECIFICATIONS

Manufacturer	Johnson
Model	J90SLEDR
Max. operating rpm	4500 - 5500 rpm
Idle (in gear)	600 - 700 rpm
Cylinders	4
Bore/stroke	3.600"/2.588"
Piston displacement	105.4 cu in.
Horsepower	90
Starting	Electric, 12 V dc

PHYSICAL CHARACTERISTICS

	<u>Operating</u>	<u>Shipping</u>
Length	2 ft, 10 in.	3 ft, 6 in.
Width	1 ft, 6 in.	2 ft, 2 in.
Height	4 ft, 8 in.	5 ft, 4 in.
Cube	20 cu ft	40 cu ft
Weight	319 lb	484 lb

REFERENCES

1. OMC Service Manual, P/N 507127.

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90-Hp, 4-Stroke Outboard Motor MT0050

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### MOTOR, OUTBOARD, 90-HP, 4-STROKE

ESSM NUMBER MT0050

#### DESCRIPTION

The 90-Hp, 4-Stroke Outboard Motor MT0050 is used to power the Boom Tending Boat WB0942. It is a 3 cylinder, in-line motor with power trim and tilt positioning. It is lubricated by a single point variable ratio oil injection system that mixes oil with the gasoline as it enters the carburetor.

#### SPECIFICATIONS

Manufacturer	Mercury
Number of cylinders	3
Full throttle operating range	5000 to 5500 rpm
Bore/stroke	3.500"/2.930"
Piston displacement	84.6 cu. in.
Starter	Electric, 12 V dc
Shaft length	20"
Propeller	14" diameter x 13 3/8" pitch
Horsepower	90

#### PHYSICAL CHARACTERISTICS

##### Operating/Shipping

Length	2 ft, 7 in.
Width	1 ft, 6 in.
Height	5 ft, 6 in.
Cube	30 cu ft
Weight	348 lb

#### REFERENCES

1. Manual, Outboard Motor, 75/90-Hp, 4-Stroke, Mercury Marine, 90-10215010.

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Trailer for 18' BTB TR0936

**TRAILER FOR WB0942 18' BTB BOAT**

**ESSM NUMBER TR0936**

**DESCRIPTION**

The 18' Boom Tending Boat (BTB) Trailer TR0936 is constructed of welded steel and is primarily used to transport one 18' BTB WB0942 over land, and for launching and recovering the boat into and out of water without the use of a crane. The trailer is equipped with a winch, lights for towing, a hydraulic surge brake system, and a utility box for storing the jack, lug wrench, and other equipment.

**SPECIFICATIONS**

Manufacturer	EZ Loader Boat Trailer Inc.
Model	EZL96 15-18'
Load capacity	3100 lb
Ball size	2"
Wheels (including spare)	3
Jack for tongue	1
Utility box for storage	1

**PHYSICAL CHARACTERISTICS**

	<u>Shipping</u>
Length	25 ft, 1 in.
Width	8 ft, 6 in.
Height	6 ft, 1 in.
Cube	1265 cu ft
Weight	550 lb

**REFERENCES**

None

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18' Boom Tending Boat Tool Box TL0050

**TOOL BOX, 18' BOOM TENDING BOAT**

**ESSM NUMBER TL0050**

DESCRIPTION

The 18' Boom Tending Boat Tool Box TL0050 is a basic tool set consisting of a flushing attachment, a fuel line, light bulbs, motor oil, a 3/8" ratchet and spark plug socket, adjustable wrenches, a 3/8" x 7/8" open end wrench, a #2 Phillips screwdriver and a 1/4" standard screwdriver.

SPECIFICATIONS

Manufacturer of tool box	Contico
Manufacturer of tools	Commercial

PHYSICAL CHARACTERISTICS

	<u>Operating/Shipping</u>
Length	1 ft, 7 in.
Width	11 in.
Height	11 in.
Cube	1 cu ft
Weight	20 lb

REFERENCES

None

