

LUNMAR BOAT LIFTS ALUMINUM MOUNT INSTALLATION GUIDE

3000# SLING KIT AND CRADLE KIT

4000# SLING KIT AND CRADLE KIT

6000# SLING KIT AND CRADLE KIT

READ ALL INSTRUCTIONS BEFORE STARTING

THE LUNMAR 3000, 4000, AND 6000 BASIC INSTALLATION ARE THE SAME. THE 3000 AND 4000 WORK BASED ON A SINGLE LINE PULL AND THE 6000 WORKS BASED ON A DOUBLE LINE PULL. THE OVERHEAD INSTALLATION OF THESE KITS ARE THE SAME, EXCEPT ON THE 3000 AND 4000, THE CABLE CONNECTS DIRECTLY TO THE SLING OR CRADLE BEAM AND ON THE 6000 IT PASSES THROUGH A PULLEY AND THEN BACK UP TO DEADMAN OFF ON AN OVERHEAD BEAM. LUNMAR KITS ARE DESIGNED FOR A 2" SCHEDULE 40 GALVANIZED PIPE TO RUN DOWN THE CENTER AND PARALLEL TO THE BOAT, WHICH IS SUSPENDED FROM THE OVERHEAD ALUMINUM BEAMS THAT RUN PERPENDICULAR TO THE BOAT BY STRAP BEARINGS. THE BEAMS, WHICH THE KIT ATTACH TO, ARE USUALLY 10' TO 12' APART DEPENDING ON THE LENGTH OF THE BOAT. THE DISTANCE BETWEEN THE 560 PULLEYS ARE 10' IF THE BOAT IS 8 1/2' WIDE.

FOLLOW THESE STEPS FIRST:

- PULL THE BOAT INTO THE BOAT SLIP.
- THE AFT ALUMINUM BEAM SHOULD BE LOCATED 1' TO 2' FROM TRANSOM.
- THE NEXT BEAM SHOULD BE LOCATED ABOVE THE BOAT WHERE YOU WOULD WANT THE FRONT SLING TO HIT THE BOAT. USUALLY 10' TO 12'.

LUNMAR ALUMINUM MOUNT KITS PARTS LIST

3000# Capacity

Sling Kit Parts List:

- | | |
|--|---|
| O(1) AMS 3000 (Motor/Gearplate/Switch/GFI) | O(4) Thimbles |
| O(4) 102G Strap Bearings | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(4) 560 Aluminum Pulleys | O(8) 1/4" Cable Clamps |
| O(80) Feet 1/4" Stainless Steel Cable | O(2) 4" x 14' Nylon Slings |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

Cradle Kit Parts List:

- | | |
|--|---|
| O(1) AMS 3000 (Motor/Gearplate/Switch/GFI) | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(4) 102G Strap Bearings | O(8) 1/2" x 6" Bolts/Nuts/Locks/Flats |
| O(4) 560 Aluminum Pulleys | O(8) 1/2" x 3" Bolts/Nuts/Locks/Flats |
| O(80) Feet 1/4" Stainless Steel Cable | O(8) 1/4" Cable Clamps |
| O(8) 834 Aluminum Chock Brackets | O(4) Thimbles |
| O(2) 12' Aluminum Bunks with Rubber Pads | O(2) 6" x 9' Aluminum Cradle Beams |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

4000# Capacity

Sling Kit Parts List:

- | | |
|--|---|
| O(1) AMS 4000 (Motor/Gearplate/Switch/GFI) | O(4) Thimbles |
| O(4) 102G Strap Bearings | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(4) 560 Aluminum Pulleys | O(8) 1/4" Cable Clamps |
| O(80) Feet 1/4" Stainless Steel Cable | O(2) 4" x 14' Nylon Slings |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

Cradle Kit Parts List:

- | | |
|--|---|
| O(1) AMS 4000 (Motor/Gearplate/Switch/GFI) | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(4) 102G Strap Bearings | O(8) 1/2" x 6" Bolts/Nuts/Locks/Flats |
| O(4) 560 Aluminum Pulleys | O(8) 1/2" x 3" Bolts/Nuts/Locks/Flats |
| O(80) Feet 1/4" Stainless Steel Cable | O(8) 1/4" Cable Clamps |
| O(8) 834 Aluminum Chock Brackets | O(4) Thimbles |
| O(2) 12' Aluminum Bunks with Rubber Pads | O(2) 6" x 9' Aluminum Cradle Beams |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

6000# Capacity

Sling Kit Parts List:

- | | |
|--|---|
| O(1) AMS 3000 (Motor/Gearplate/Switch/GFI) | O(4) Thimbles |
| O(4) 102G Strap Bearings | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(8) 560 Aluminum Pulleys | O(8) 1/4" Cable Clamps |
| O(120) Feet 1/4" Stainless Steel Cable | O(2) 4" x 14' Nylon Slings |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

Cradle Kit Parts List:

- | | |
|--|---|
| O(1) AMS 3000 (Motor/Gearplate/Switch/GFI) | O(4) 1/2" x 1 1/2" Bolts/Nuts/Locks/Flats |
| O(4) 102G Strap Bearings | O(8) 1/2" x 6" Bolts/Nuts/Locks/Flats |
| O(8) 560 Aluminum Pulleys | O(8) 1/2" x 3" Bolts/Nuts/Locks/Flats |
| O(140) Feet 1/4" Stainless Steel Cable | O(8) 1/4" Cable Clamps |
| O(8) 834 Aluminum Chock Brackets | O(4) Thimbles |
| O(2) 12' Aluminum Bunks with Rubber Pads | O(2) 6" x 9' Aluminum Cradle Beams |
| O(2) 6" x 12'6" Aluminum Overhead Beams | |

Additional Parts Required

- O(1) 2" Schedule 40 Galvanized Pipe (21')

Optional Parts for Boat Lifts Available:

- Weighted Slings (For Sling Kit Only)
- Cable Weights (For Sling Kit Only)
- 6", 8", and 10" Slings (For Sling Kit Only)
- Remotes
- White Gearbox Cover

➤**CHECK BOXES FOR ALL PARTS BEFORE FREIGHT COMPANY LEAVES!**

➤**THIS KIT IS A BOAT LIFT AND IS INTENDED TO BE USED AS ONLY A BOAT LIFT.
DO NOT USE THIS LIFT TO PICK UP HUMANS.**

➤**DO NOT WORK UNDER A HANGING BOAT!**

➤**ALL ELECTRICAL MODIFICATIONS MUST BE DONE BY A CERTIFIED ELECTRICIAN!**

Tools Required for Installation:

- Electric Drill
 - 1/2" Wood Bits
 - 1/2" Steel Bits
 - 5/16" Steel Bits
 - Screw Drivers
 - Hammer
 - Wrenches
 - Level
 - Rope
 - Pencil
-
-

TROUBLESHOOTING:

Lift will Not Pick up Boat

- 1)Boat weighs more than lift capacity
- 2)Low voltage
- 3)Belt slipping
- 4)Gearplate or pipe binding due to improper alignment

Lift Making Excessive Noise

- 1)Needs to be greased
- 2)Pipe or gearbox out of alignment
- 3)Cable rubbing against 102 assemblies

Cable Backlashing

- 1)Add cable weights to pulleys
- 2)Upgrade to weighted slings.
- 3)Cables rubbing against 102 assemblies

FOLLOW THESE STEPS IN ORDER TO SAVE TIME

CONNECT THE 102G STRAP BEARING TO THE OVERHEAD ALUMINUM BEAM USING THE SUPPLIED 1/2 X 1 1/2 BOLTS/NUTS/LOCKS/WASHERS.

SET THE OVERHEAD ALUMINUM BEAMS INTO PLACE 10' APART OVER THE LIFT POINTS.

SLIDE THE PIPE INTO THE STRAP BEARINGS.

THE PIPE SHOULD BE RUNNING PARALLEL WITH THE BOAT, DOWN THE CENTER.

MOUNT THE 560 TO THE TAB ON THE OVERHEAD ALUMINUM BEAM ACROSS FROM THE 102G.

DRILL A 5/16" HOLE THROUGH THE PIPE IN THE CENTER OF EACH OF THE 102 ASSEMBLIES.

INSTALL THE MOTOR ON THE GEARPLATE AND TIGHTEN THE BELT.

HANG THE GEARBOX ON THE PIPE AND BOLT TO THE GEARBOX MOUNT.

MARK A HOLE ON THE GEARPLATE AND DRILL A 1/2" HOLE THROUGH THE PIPE AND BOLT UP.

SKIP TO 11 IF INSTALLING A 6000# KIT.

RUN THE CABLE THROUGH THE PIPE AND OVER TO THE PULLEY ATTACHING LOOSE ENDS TO THE SLINGS, OR CRADLE BEAM WITH THE PROVIDED CLAMPS. **GOTO 15.**

RUN THE CABLE THROUGH THE PIPE OVER TO THE TOP 560 PULLEY, DOWN TO THE BOTTOM 560 PULLEY, AND DEADMAN OFF ON THE OVERHEAD BEAM.

ATTACH THE PULLEY TO THE SLING, OR CRADLE BY REMOVING THE BOLT ON THE PULLEY.

YOU CAN LEVEL THE SLING, OR CRADLE BEAM BY PULLING DOWN ON THE CABLE.

ONCE LEVEL, TURN ON THE WINCH. ONCE TWO WRAPS ARE MADE ON TO THE PIPE THE CABLE IS LOCKED INTO POSITION AND WILL NOT MOVE.

MAKE SURE THE CABLES WRAP OPPOSING EACH OTHER WITHOUT STACKING (STACKING CABLES WILL REDUCE THE LIFE OF THE CABLES).

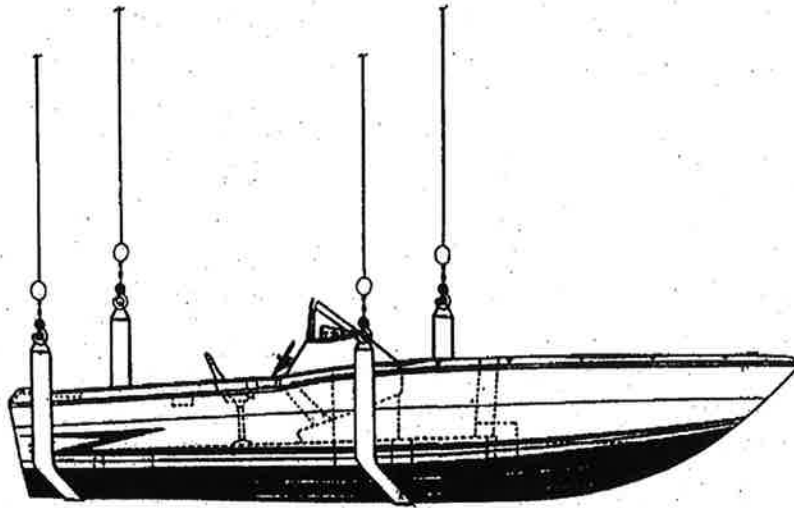
GREASE THE GEARBOX AT THE THREE ZERTS AND SPREAD A LIBERAL AMOUNT OF GREASE ON THE FLYWHEEL.

IF YOU ARE INSTALLING A SLING KIT YOU ARE FINISHED.

ASSEMBLE THE CHOCK BRACKETS AS SHOWN IN THE DIAGRAM AND CONNECT TO THE CRADLE BEAM. THE BUNK BOARDS SHOULD BE ANGLED TO CONFORM TO THE BOTTOM OF THE BOAT (ON AN 8 1/2' BOAT THE AFT CHOCK BRACKETS SHOULD BE ABOUT 60" APART AND THE FORWARD CHOCK BRACKETS SHOULD BE ABOUT 56" APART; ON FLAT BOTTOM BOATS STAND THE BOARDS SO THAT THEY ARE 90 DEGREES TO THE BUNK BOARDS.

IF YOU PURCHASED THE OPTIONAL CABLE GUIDE POSTS CONNECT BETWEEN THE CRADLE AND THE 560 PULLEYS.

NO. I-502



FOR OPTIMUM PERFORMANCE :

EQUAL WEIGHT DISTRIBUTION
IS REQUIRED ON ALL 4 CABLES.

4-POINT SLING HOIST

TO OBTAIN EQUAL WEIGHT DISTRIBUTION:

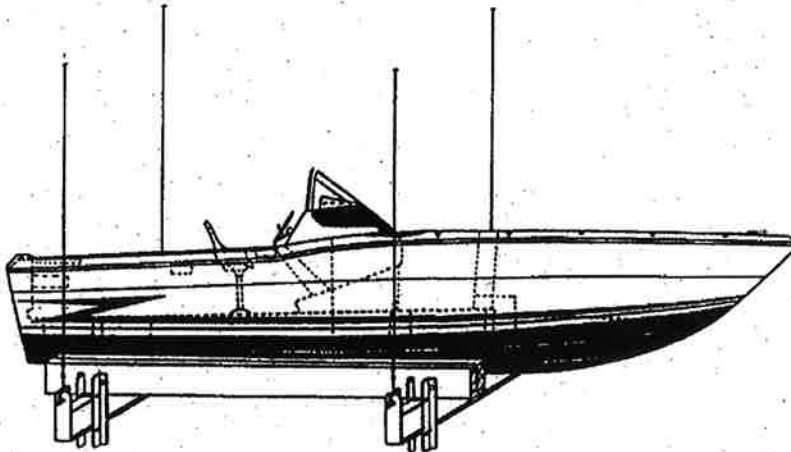
1. USE BALANCE POINT OF BOAT.
2. DO NOT USE CENTER OF BOAT LENGTH.

INSTRUCTIONS FOR
WEIGHT DISTRIBUTION

SCALE NONE

NO. I-502

NO. I-503



FOR OPTIMUM PERFORMANCE :

EQUAL WEIGHT DISTRIBUTION
IS REQUIRED ON ALL 4 CABLES.

4-POINT CRADLE HOIST

TO OBTAIN EQUAL WEIGHT DISTRIBUTION:

1. USE BALANCE POINT OF BOAT.
2. DO NOT USE CENTER OF BOAT LENGTH

INSTRUCTIONS FOR
WEIGHT DISTRIBUTION

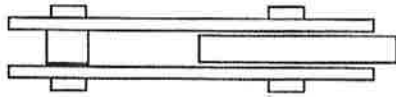
SCALE NONE

NO. I-503

LUNMAR BOAT LIFTS
337-430-0533

6000 CRADLE KIT

560S PULLEY

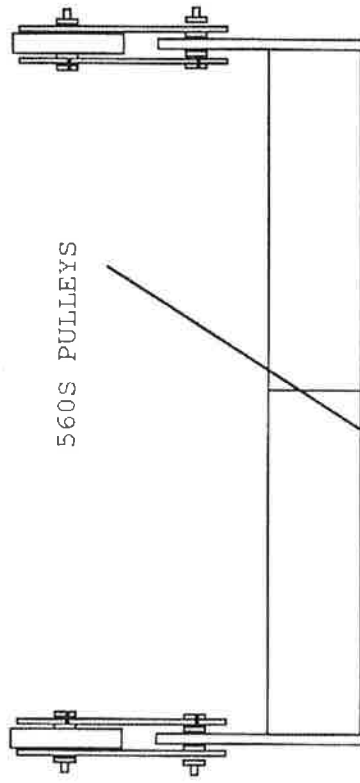
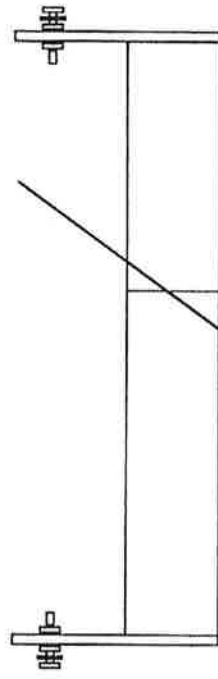
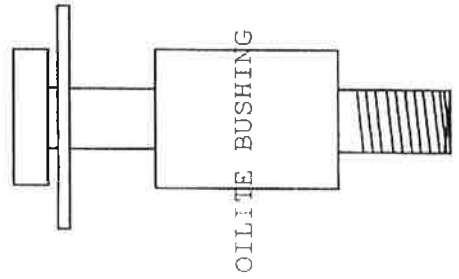


REMOVE BOLT AND
OILITE BUSHING TO
ATTACH TO SLING OR
CRADLE

BUSHING MUST BE
PRESSED INTO 7/8 HOPES
ON PAD EYES OF CRADLE
BEAMS.

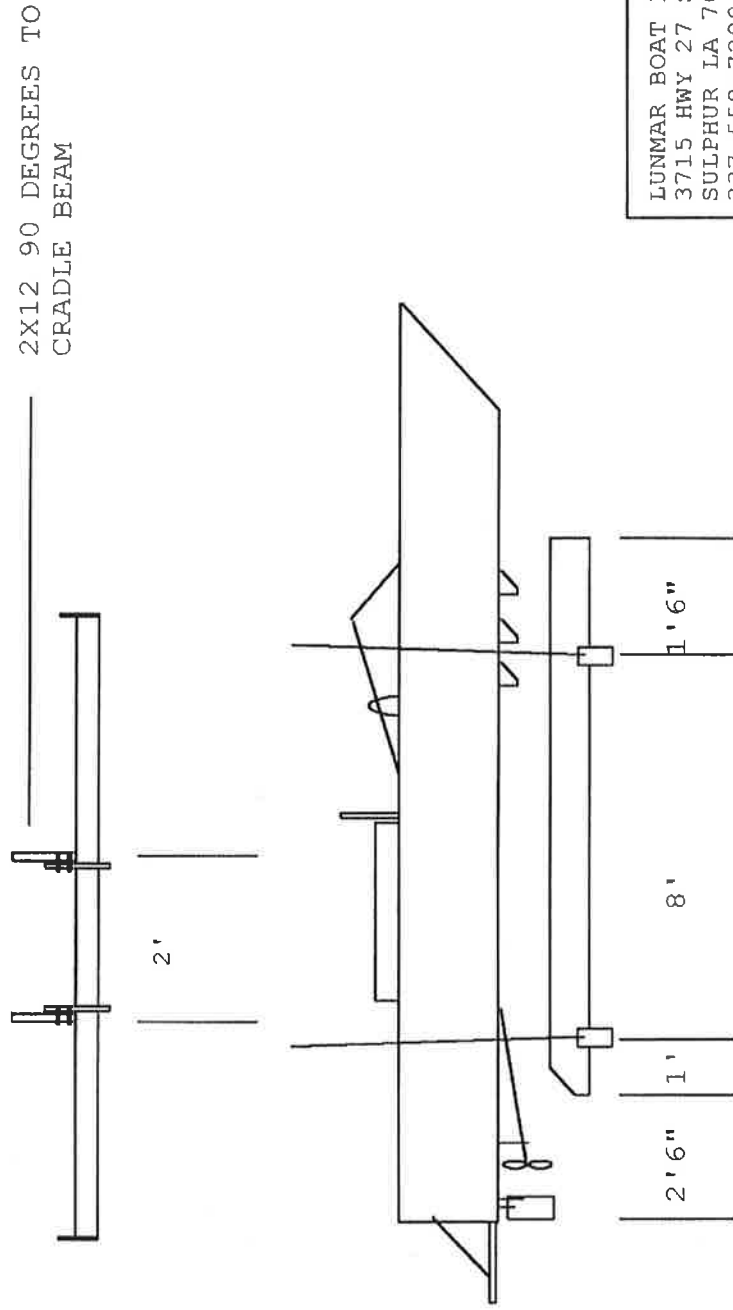
1) INSERT BOLT/WASHER
INTO OILITE BUSHING AS
SHOWN LEFT

2) WITH A HAMMER
DRIVE BUSHING HALF
WAY INTO PAD EYE BY
STRIKING BOLT HEAD AS
SHOWN RIGHT



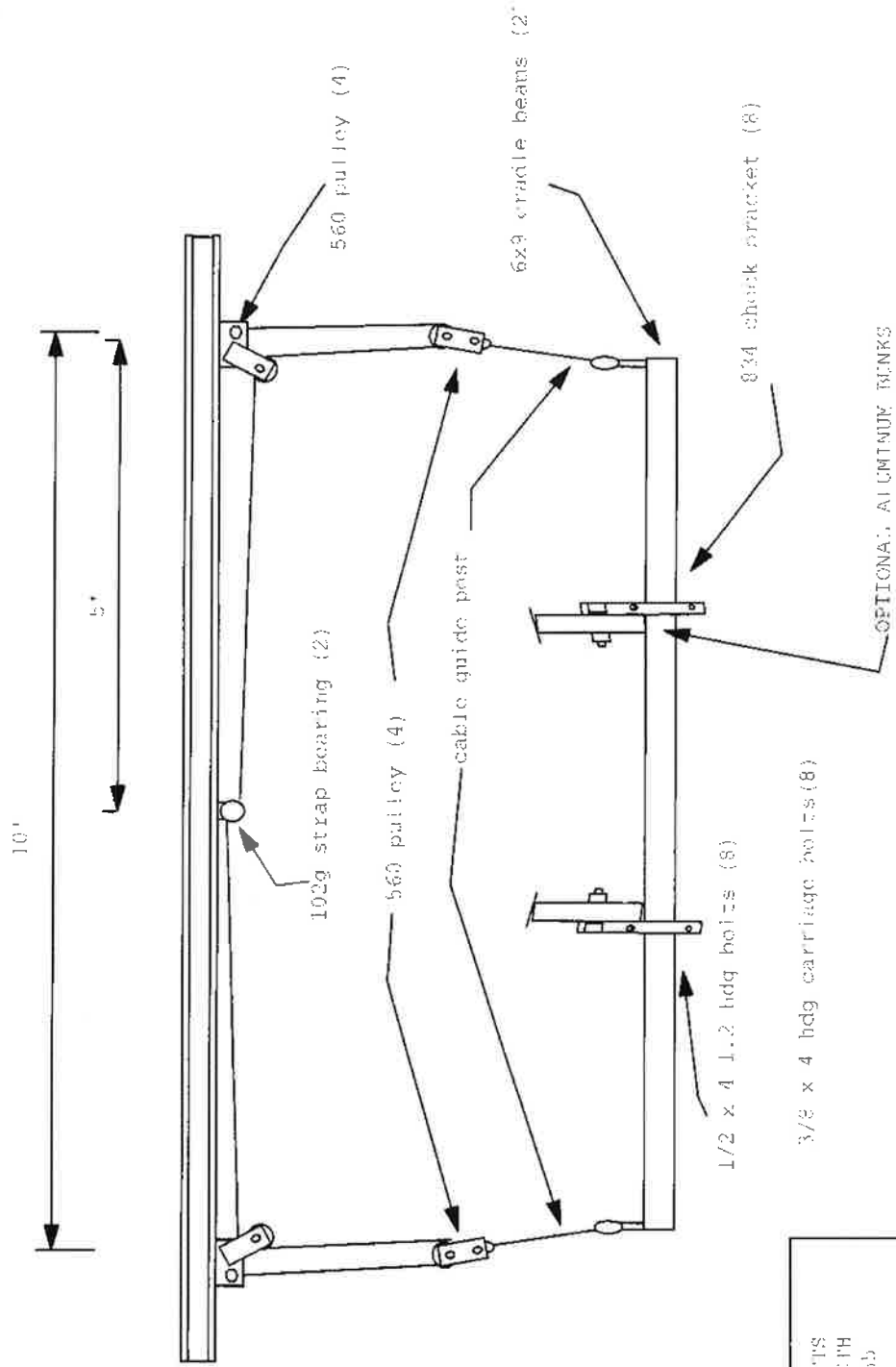
560S PULLEYS

LUNMAR 3000, 4000, & 6000 CL
BEAM LAYOUT FOR COMPETITION INBOARD SKI
BOATS WITH CENTER ENGINES



LUNMAR BOAT LIFTS
3715 HWY 27 SOUTH
SULPHUR LA 70665
337-558-7200
337-558-7202 (FAX)

Lunmar Boatlifts Aluminum mount center pipe



LUNMAR BOAT LIFTS
3725 HWY 27 SOUTH
SULPHUR LA 70665
337-553-7200
337-553-7202 (FAX)