Laser Outhaul and Cunningham Rigging Upgrades

Kit includes
Laser Class approved cleat base and cleats
Laser Class approved block base and blocks
Stainless steel fasteners (4)
Mast retaining line, yellow (1)

For the cunningham
Double blocks with becket (2)
Pre-stretched line (13’)
Spectra line, gray (3’)
Shackle (1)

For the outhaul
Single blocks (2)
Pre-stretched line (13’)
Spectra line, gray (8.5’)

Install the Cleats and Blocks
1. Unscrew the existing cunningham fairlead and cunningham clam cleat. Remove any old caulk from these holes.
2. Using the shorter fasteners provided, screw the block plate into place using the existing holes for the fairlead. Dip the screws in a silicone sealant before installing.
3. Using the longer fasteners provided, screw the cleat base into place using the existing holes for the cleat. Dip the screws in a silicone sealant before installing.

Rig the Cunningham
1. Shackle one double block to the boom vang tang replacing the pin that is currently used for the vang cleat block or vang swivel. This pin will go through the shackle and the vang.
2. Tie one end of the Spectra line to the becket of that block.
3. Feed the other end through the tack cringle and tie it to the bail of the other double block.
4. Tie the pre-stretched line to the becket of the upper double block and lead the rope through the double blocks.
5. Finally lead the end of the line down through one of the blocks on the block base and then through the cleat on the same side. Tie a stopper knot.

Rig the Outhaul
1. Tie the Spectra line to one single block.
2. Feed the other end of the Spectra line through the outhaul fairlead, through the cringle in the clew of the sail and tie it to the outhaul fairlead using a small bowline to keep the knot as close to the fairlead as possible.
3. Lead one end of the pre-stretched line through the bail of the other single block. Loop the tail around the mast above the gooseneck and tie a tight bowline capturing the block.
4. Lead the tail of this pre-stretched line back through the aft single block, forward to the block tied to the mast, down through the block base and through the cleat. Tie a stopper knot.

Mast retaining line
The Laser class rules state “To secure the mast in the event of a capsize, a loose retention line (that will allow 180° of rotation) shall be tied between the block base and the vang tang or gooseneck.” We have included a piece of line for this purpose.
Cunningham

Step 1
Tie bowline

Step 2
Feed line and tie to fairlead

Step 3
Tie block to mast

Step 4
Feed line through block and cleat base

Step 5
Shackle block to vang tang

Step 2
Tie Spectra to becket

Step 3
Feed Spectra line through cringle

Step 4
Tie pre-stretch to becket and lead through blocks

Mast retaining line

Tie bowline around block base. Lead up and over the vang tang and back to the block base.

Outhaul

Step 1
Tie bowline

Step 2
Feed line and tie to fairlead

Step 3
Tie block to mast

Step 4
Feed line through block and cleat base

Step 5
Feed line through block and cleat base