

# SE SPORT™ 400

Trim Cover Screw

Video Installation also online at [sesport.com](http://sesport.com)

Trim Cover

(4) D Washers

(4) Bolts

(4) 2" Rubber Washers

(4) Disk-Grips™

(4) 1" Washers

(4) 5/8" Washers

(4) Lock Nuts

Optional Drill Ports

Adhesive Strip

Rubber Washer Under Cavitation Plate For Drill-Free Install

**(Note)** The SE Sport 400™ is **not recommended for Volvos** with exhaust through the cavitation plate. The SE Sport 300™ is recommended.

## Installation Adjustments:

**Cavitation plates of 8" width** require SE Sport 400™ modification for Drill-Free™ installation. Contact Sport Marine Tech or [www.sesport.com](http://www.sesport.com) for special written instructions and photos for this size.

**\*The Mercury 40<sup>HP</sup>, 50<sup>HP</sup> and 60<sup>HP</sup> FourStrokes** have a 6.5" plate width at the rear disk mount position. Pilot holes are provided to guide drilling the Sport 400™ with a 1/4" drill bit to fit these motors. Use the standard 6" hole position for the forward Disk-Grip™ mounts. **\*The Honda 200<sup>HP</sup> and Yamaha 350<sup>HP</sup>** have larger 7.25" wide plates. To mount to these cavitation plates, you may need to slightly expand the outside holes outward with a small round rasp or 1/4" drill. **\*Various Evinrude 200<sup>HP</sup>- 300<sup>HP</sup>** range models may require drilling the 6.5" pilot hole, and expanding the forward outside holes for the best fit. Measure for the closest hole pattern before installation.

**\*Conventional Drill Assembly:** If you prefer to drill your cavitation plate, set the Sport 400™ in the desired position, and mark the four inside holes with a center punch. Drill the four inside hole placements, using a 1/4" drill bit. Install using the same hardware without the Disk-Grips™ and rubber washers (or optionally, choose to drill the rear two holes and use two Disk-Grips™ forward)

**SE SPORT™ 400**   
HIGH PERFORMANCE HYDROFOIL

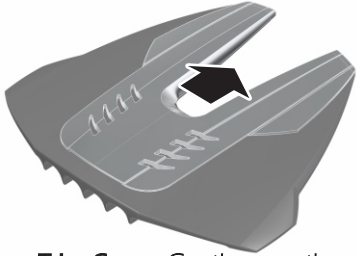
Video Installation also online at [sesport.com](http://sesport.com)



Video Online

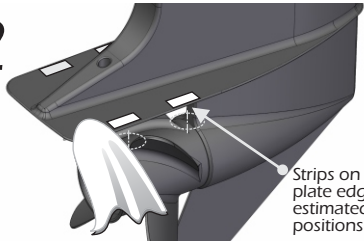
SPORT MARINE TECHNOLOGIES®  
 Member  
© 2014 SPORT MARINE TECHNOLOGIES INC.

1



**Remove Trim Cover:** Gently move the cover forward to release

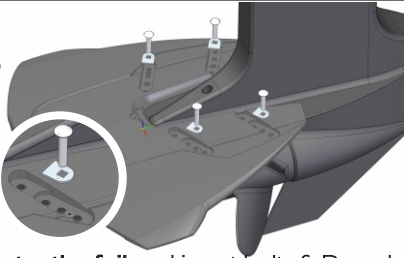
2



Strips on cavitation plate edge close to estimated Disk positions

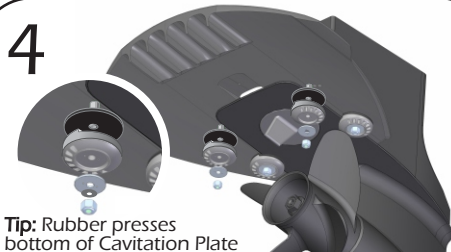
**Thoroughly clean** the cavitation plate. **Place the adhesive strips** on top side as shown.

3



**Center the foil** and insert bolts & D washers in the **closest** holes to the cavitation plate

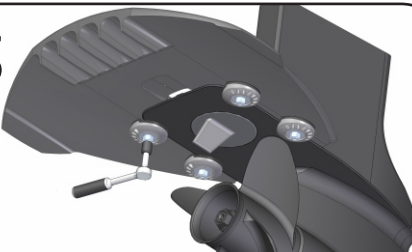
4



**Tip:** Rubber presses bottom of Cavitation Plate

**Assemble Disk-Grips** with 2" rubber washers, 1" & 5/8" washers and nuts hand tightened

5



**Tighten lock nuts slowly** with a 7/16" socket wrench using an alternating torque pattern

6



**Place cover** slightly forward, press down and slide back to hold in place & install screw

### Drill-Free™ Installation:

The SE Sport 400™ comes with all the hardware you need. (Four Disk-Grips™, rubber washers, bolts, washers, adhesive strips and lock nuts.) \*Most installations will only require a 7/16" open end, or socket wrench and Phillips driver.

**Remove the top Trim Cover** by gently sliding the cover forward to release.

**Clean the cavitation plate** of all oily residue, **top and bottom!** You may need to use rubbing alcohol to thoroughly clean the surface. **Place adhesive strips on the top surface** of the cavitation plate near the outer edge, and close to estimated assembled disk locations. **(Remove adhesive strip Liners)**

**Drill-Free™ Disk assembly:** Set the SE Sport 400™ on the cavitation plate and select the hole pattern **closest** to the size of your cavitation plate. Place the D shaped washers in the foil top channels over the selected holes, and insert carriage bolts in these four positions. (Long bolts rear & short forward) (Direction of D washer tail is optional) (Hole patterns for 5, 6, 6.5 and 7 inch wide plates with a 1/4" additional tolerance, are marked on the foil)

**Place the 2" rubber washer** on the Disk-Grips™, **under** the cavitation plate and place the 1" steel washers on the Disk-Grip™ bottom, followed with the 5/8" washer and lock nut. Make sure the step in the Disk-Grip™ aligns with the outside edge of your cavitation plate. (The rubber washers will conform to the step when tightened)

**Tighten the lock nuts** with a small socket wrench **slowly** to prevent thread galling. Use an alternating torque pattern until the rubber washer on the Disk-Grips™ is substantially compressed. You will feel the nut get harder to turn, and add another half to full turn and the grip will be accomplished. **You can break the bolt with continued tightening.** (Once tightened, avoid loosening the lock nuts. **Do not use a power socket**).

**Install the Trim Cover:** Place the Trim Cover on top, 1/2 inch forward of the foil and slide rearward, while pressing firmly down on the center to engage the mid interlocks. Once lined up with the center screw hole, use a Phillips driver to hand tighten the screw until snug. **(Do not over-tighten the screw)**

**Final check for tightness:** Tug the Sport 400™ firmly from side to side. It should feel very solid with no movement. In all cases the bolts must fully engage the nylon insert area of the lock nut to be secure.

**Safety check:** We recommend a check of the hydrofoil tightness before and after your first day on the water. The engineered composite Disk-Grips™ are designed to withstand aggressive tightening. The lock nuts can usually be re-tensioned an additional quarter to half turn or more at this time, without removing the Trim Cover.

**Maintenance:** Check regularly for weathering of the rubber washers and Disk-Grip™ tightness. Re-tension only if needed. See your dealer or email Sport Marine for replacement parts if needed.

\* **(Note) Installation Adjustments:** Cavitation plates of 8" width require SE Sport 400™ modification for Drill-Free™ installation. Contact Sport Marine Tech or [www.sesport.com](http://www.sesport.com) for written instructions and photos.

\***The Mercury 40<sup>HP</sup>, 50<sup>HP</sup> and 60<sup>HP</sup> FourStrokes** have a 6.5" plate width at the rear disk mount position. Pilot holes are provided to guide drilling the Sport 400™ with a 1/4" drill bit to fit these motors. Use the standard 6" hole position for the forward Disk-Grip™ mounts. \***The Honda 200<sup>HP</sup> and Yamaha 350<sup>HP</sup>** have larger 7.25" wide plates. To mount to these cavitation plates, you may need to slightly expand the holes outward with a small round rasp or 1/4" drill. \***Various Evinrude 200<sup>HP</sup>, 300<sup>HP</sup>** range models may require drilling the 6.5" pilot hole, and expanding the forward outside holes for the best fit. Measure for the closest hole pattern before installation.

\* **The SE Sport 400™ is not recommended for Volvos** with exhaust through the cavitation plate. The SE Sport 300™ is recommended.

\* **Conventional Drill Assembly:** If you prefer to drill your cavitation plate, set the Sport 400™ in the desired position, and mark the four inside holes with a center punch. Drill the four inside hole placements, using a 1/4" drill bit. Install using the same hardware without the Disk-Grips™ and rubber washers. (or optionally, choose to drill the rear two holes and use two Disk-Grips™ forward)