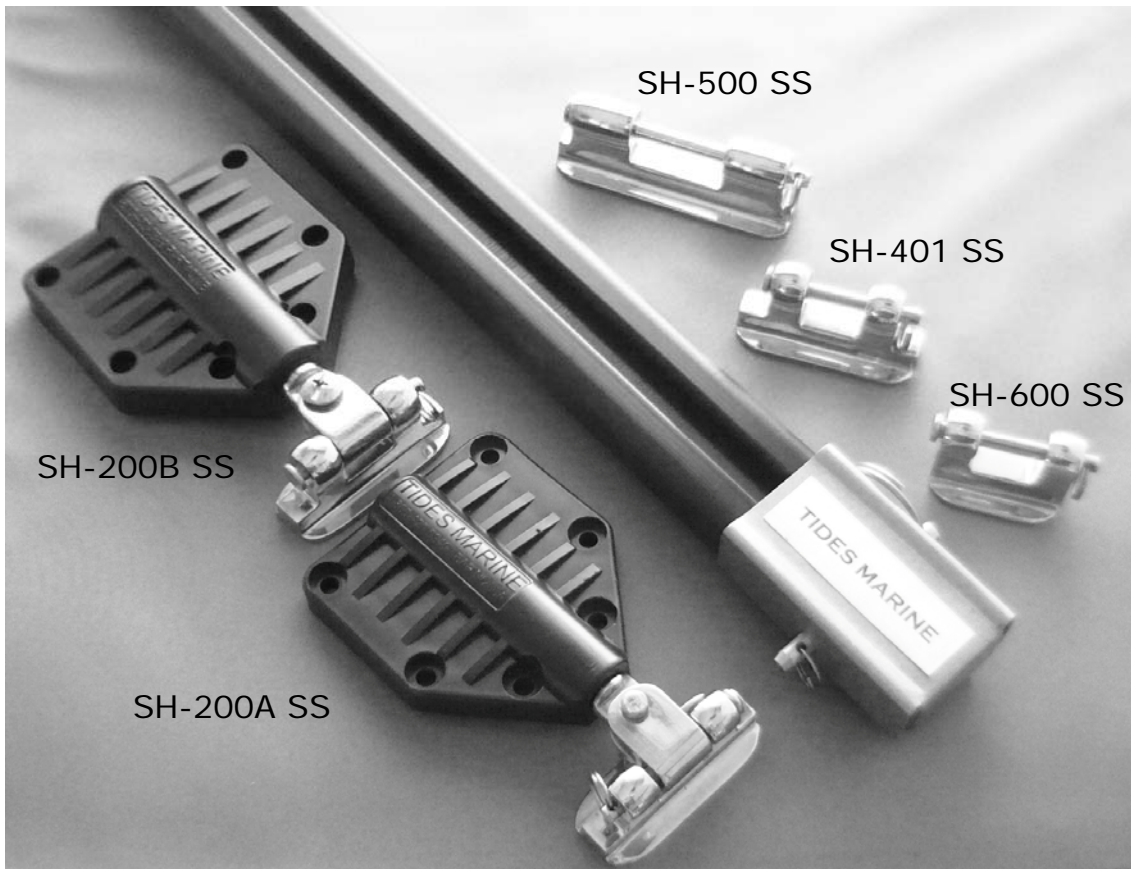


TIDESMARINE

SailTrack Installation Instructions

Two-Hole Backing Plates

Tides Track Shapes A Through F

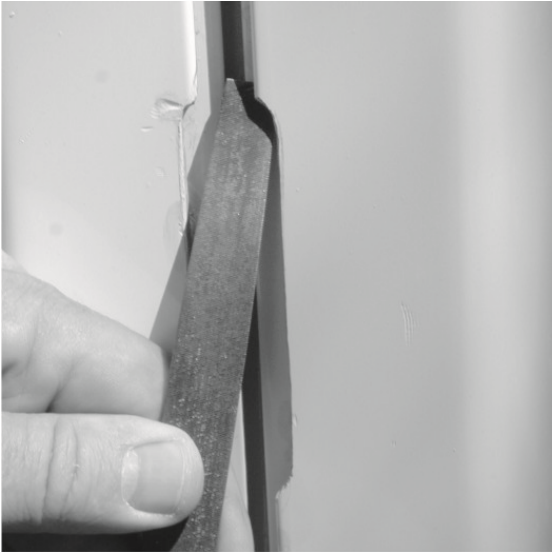


www.tidesmarine.com

Before You Begin

Your installation will be easier if you move the boom well off the centerline (or remove it from the gooseneck altogether).

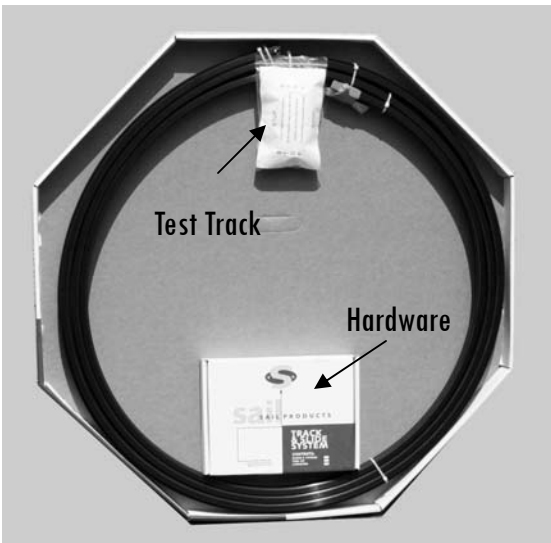
Try not to bend the track from side to side. It will go up the luff groove more easily if you can keep the track directly above the luff groove as you press it into the mast gate and up the luff groove.



Using a small rasp or file, make certain that all edges of the mast gate are smooth to the touch - no nicks, burrs or sharp edges.

Do not take your “full-length” Tides Track out of the box until you have followed all the “Test Track” instructions.

Test Track Installation Instructions



- A Effective May 1, 2009, Tides Marine will supply a test piece of track (3"-6" in length) with each Tides Track System. This Test Track is identical to the actual track being shipped to you. It is cut from the end of your Tides Track before your track is “cut to length” and packaged.



B Connect a halyard to the ring located in the slide in the test piece of track.

Then, connect a retrieval line (equal in length to your “P” measurement + 5’) to the same ring.

This retrieval line must be strong enough to pull the Test Track back to the mast gate in the event that the test piece gets stuck in the luff groove while being raised to the masthead.

Insert the Test Track into the mast gate.

Using the halyard, pull the Test Track to the top of the luff groove to make certain the Tides Track will install without difficulty. Once the test track is at the masthead, pull it back to the gooseneck using the retrieval line.

Test Track Fits:

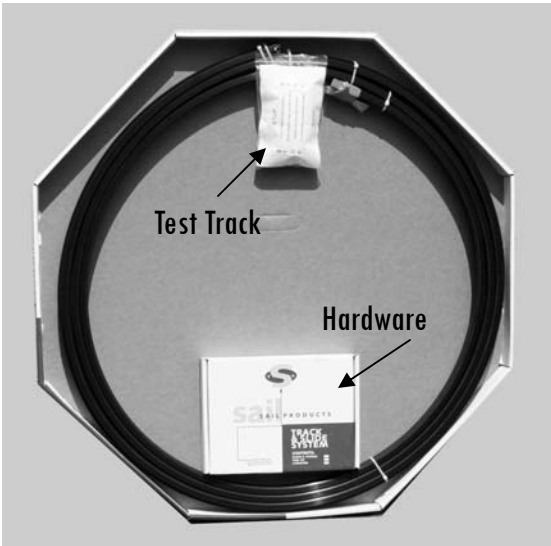
If the Test Track moves smoothly to the mast head and back to the gooseneck, your actual Tides Track should install without incident. Please go to Step 1 and begin the installation. Save your Test Track as it contains an extra SH-600 slide and two clevis pins with clevis rings.

Test Track Does Not Fit:

If the Test Track becomes stuck in the luff groove/does not fit into the mast gate, your “full-length” Tides Track will not fit your mast. Retrieve the test piece and hold it against the edges of the mast gate to determine which measurement is causing the problem. There is a set of Blue Measurement Disks in the Test Piece Bag. Measure the luff groove shape at the mast gate again and compare it to the measurements you originally sent to Tides (included in the Test Piece Bag. Note packing slip in plastic envelope located on outside of box). Complete a new measurement form to reflect these current measurements and send the measurement sheet to Tides.

Re-seal the large Tides Box and send it (UPS Ground is easiest) back to Tides. There will be a 15% re-stocking charge to cut your new track. This will be added to the invoice for the “replacement” Tides Track.

Track Installation Instructions



- 1 Tides Track is shipped to you in a roll. The outer end of the track is “the top” of the track (the end you insert into the mast gate).



- 2 Cut the first two or three “outermost” tie wraps. This will keep the rest of the roll manageable.



- 3 Pre-bend the first few feet of track to make it easier to slide the top of the track into the mast gate.



- 4 Begin to slide the track into the mast gate.

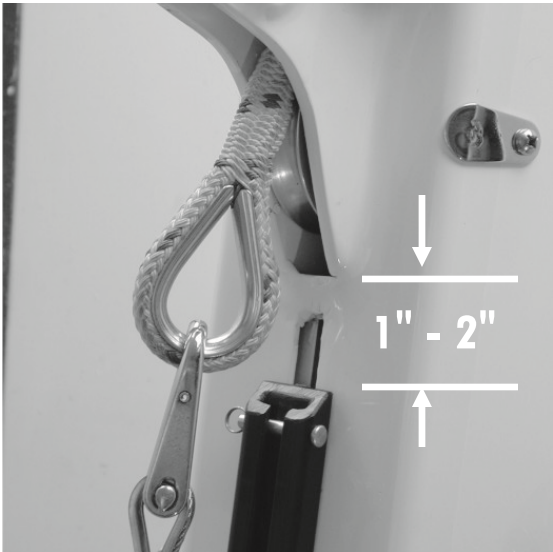


- 5 Press the top of the track against the mast near the mast gate with one hand and push the top of the track into the mast gate and up the luff groove.

Note: The track will go through the mast gate more smoothly if you keep the track aligned with the luff groove in the mast. Try not to bend the track from side to side.

Lubricants: In most cases, the Tides Track will slide smoothly into the mast gate and up the mast. If you think a lubricant is necessary, just use water or water combined with a very small amount of liquid detergent.

DO NOT use such lubricants as **WD-40** as they may leave residue on the track / mast which may collect dirt, dust or other debris.



E.



- 6 When the track reaches the end of the luff groove at the mast head, pull the track down 1"-2". Make certain the track is clear of any masthead fittings.

If the Tides Track is too long, we recommend that you:

- A) Measure and mark the base of the track to identify how much you need to remove while the track is still on the spar.
- B) Remove the Tides Track from your spar.
- C) Transfer the measurement from the bottom of the track to the top of the track.
- D) Using a jig saw or circular saw, remove the measured amount of extra track from the top of the track.
- E) Using the stainless steel base plate (included with your Tides Track hardware) as a guide, drill a 1/4" hole from one side of the top of the track to the other, about 1" from the end of the top of the track. Install the original clevis pin and ring. (See Photo E).
- F) Install the track as before.

- 7 Tides Track cut for luff groove "shapes" A through G (Blue Disk Measurements) contains a series of two-hole backing plates and machine screws in the base of the track, running from the mast gate to the boom. Together, these plates and screws will be referred to as the "fasteners". Tides refers to this base section of the track as the "flap". Tides uses blue masking tape to secure these fasteners to the flap before shipping.

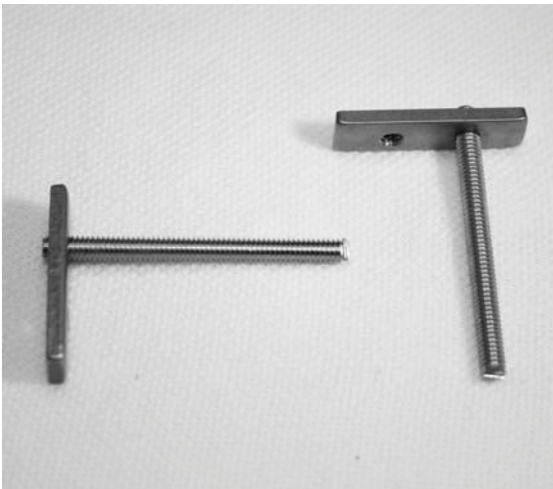
Remove the stainless steel cap and count the "total" number of two-hole assembly holes that Tides put in the track. Then, match this number to the number of pieces of hardware sent with the system. You may then begin the installation.

Create a "STOP":

BEFORE YOU BEGIN, WEDGE A SMALL PIECE OF FABRIC OR TAPE INTO THE LUFF GROOVE JUST ABOVE THE GOOSE-NECK. THIS WILL KEEP THE FASTENERS IN POSITION UNTIL YOU ARE READY TO USE THEM.



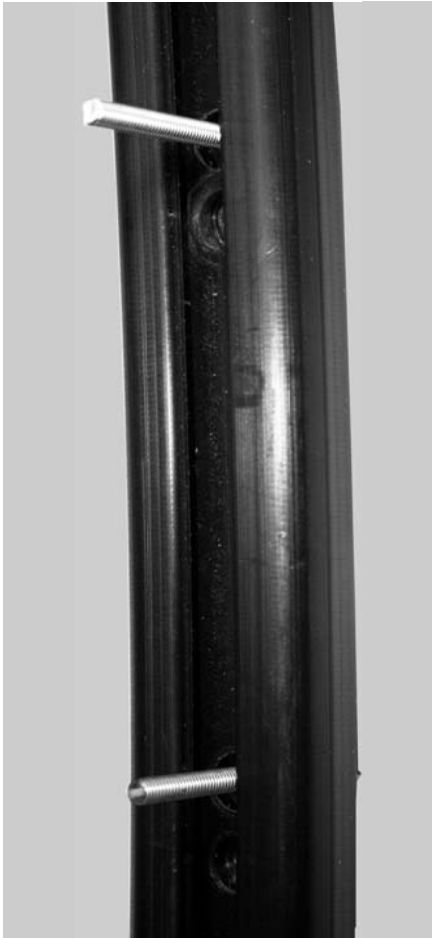
- 8 Each fastener consist of four pieces: the backing plate, two Phillips head machine screws and one piece of threaded rod.



- 9 Install threaded rod into one of the holes in each of the backing plates provided. This becomes the top of the fastener.



- 10 Pull the flap away from the mast to expose the mast gate. Holding the threaded rod, put the fasteners into the mast gate, top end up, and slide them down the groove to the “stop” you have created in the luff groove just above the gooseneck.



- 11 Once all fasteners are in the luff groove, take the uppermost fastener by the threaded rod and slide it up to the top pair of holes. Carefully push the track toward the mast so the threaded rod comes through the top hole of the pair and it can be held from the aft side of the track. Align and install a Phillips head screw into the bottom hole.

DO NOT TIGHTEN!

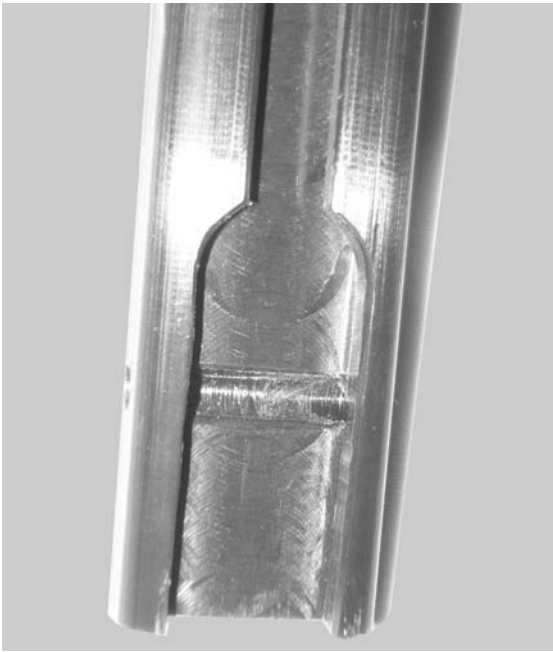
Repeat this process until all fasteners are in place.



- 12 Remove each of the threaded rods and install Phillips head screws in their place. Ensure the track is where you want it. Make any up or down adjustments NOW. Using a Phillips head screwdriver and starting at the top, tighten each set of screws.

Do not over tighten these screws as the edges of the Tides Track may draw together causing the slides to bind in this area. Should you find that one or more sets of fasteners are in the mast gate, remove the screws (the backing plate will fall down the luff groove), then drill and tap the mast at these points. Insert machine screws to complete the job.

As an option to the backing plates provided by Tides, you may install a # 10 self-tapping Pan Head screw into one or two of the fastener holes in the Tides track. When the Tides track is located where you want it on the mast, drill directly through one or two of the fastener holes in the track and into the mast. Turn a #10 self-tapping Pan Head screw through the track and into the mast. The screw must be a Pan Head to avoid pulling through the track or obstructing the slides as they move over it.



- 13 Once the slides have been attached to the mainsail, you can insert them into the Tides Track.

Remove the stainless steel cover plate from the base of the track.

Tides machines a mast gate into the bottom of each track.

Starting with the headboard slide, insert each slide into this mast gate. As the slides go into the track, make sure that the “head” of each small clevis pin in the slide faces the mast head. . . the end containing the clevis ring should face the boom. If the clevis rings deteriorate over time, the pin should remain in the slide and the system should function normally until you have time to replace the missing/worn clevis rings.



- 14 When all slides are in position, place the stainless end-cap over the bottom of the Tides Track and secure using the pin provided.

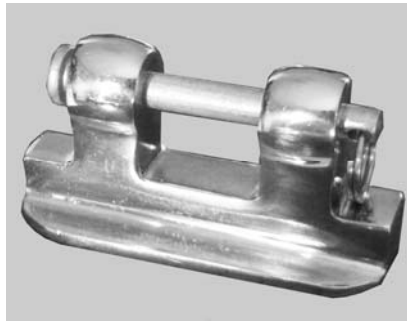
Attaching Tides Hardware to the Mainsail

Slides

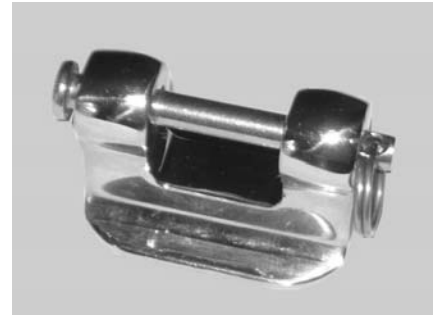
Tides recommends that you use the services of a local loft to attach the slides and batten receptacles to your mainsail. Should you decide to perform this task yourself, the following information may prove helpful.



Headboard slide - 3"



Reef slide - 2"



Luff slide - 1 1/4"



SH-200A Batten Receptacle w/401 slide and universal

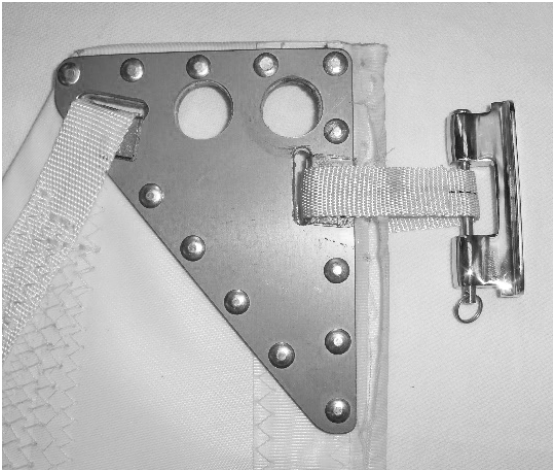


SH-200B Batten Receptacle w/401 slide and universal



- 1 If your current main has plastic or metal luff sides, cut them away from the main using a shear, Dremel tool or small saw.

Be careful not to damage the webbing around each slide.



- 2 Begin with the headboard slide. Press the webbing between the posts of the headboard slide.

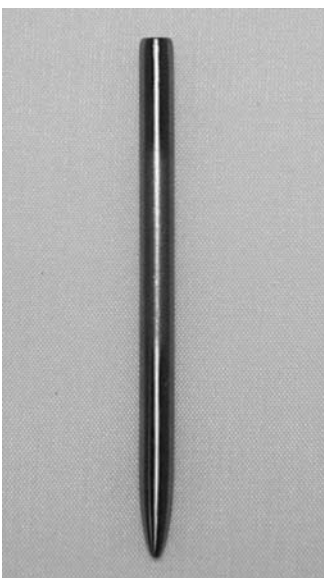
Insert the clevis pin through the top post... through the webbing... through the bottom post.

Insert the clevis ring through the base of the clevis pin. The head of the clevis pin should be at the "masthead" end of the assembly and the clevis ring at the "deck" end.



- 3 Pressing the webbing between the posts of the luff slide and installing the clevis pin can be a challenge.

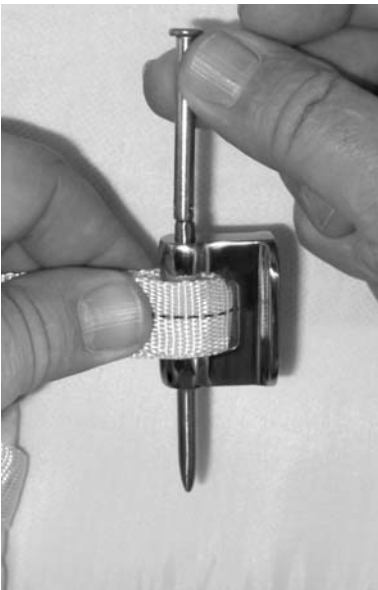
The opening in the webbing through which the clevis pin passes can constrict when the webbing is pressed between the posts of the slide.



- 4 Tides supplies a small aluminum "installation tool" with each sail track hardware kit (Figure A).



- 5 Press the narrow end of the tool through the upper post and into the webbing. The pointed end of this tool should work its way through the webbing, opening the hole that was once there.



- 6 Once the tool is through the webbing and the bottom post, simply press the clevis pin against the back of the tool and “chase” the tool through the posts and webbing with the clevis pin.



- 7 Continue with the balance of the slides.

Batten Receptacles

In most cases, Tides Marine has designed a slide option that will accept the batten receptacles you currently have in place on your mainsail. If you will be replacing your current batten receptacles, the following suggestions may be helpful:



Side A - Exterior



Side B - Exterior

The Tides receptacle is a two-piece unit. Side A has Tides Marine printed on it and has a rounded center section. Side B is flat with ridges on the outside.

To make installation easier, remove the sail slide with universal joint from Side A of the receptacle and set it aside until you have finished attaching the receptacle to the sail.



- 1 Lay the sail out - batten side up. Remove the existing batten receptacle and position Side A of the Tides receptacle in its place (abutting the luff rope).



- 2 Using the receptacle as a template, mark the sail through each of the receptacle's "installation holes".



- 3 Using a punch, drill or other sharp object, create a hole in the sail fabric at each of these points.

Leech-Adjustable Batten Pockets



- 1 If you have “leech-adjustable” batten pockets, remove the tension on the batten before attaching the Tides receptacles. Then, cover the luff end of the batten with Side A of the Tides receptacle. The batten should fit neatly within the cavity of this Side A.

Position Side B on the other side of the sail, “smooth surface” against the sail.



- 2 Pass the stainless steel screws through Side A... then the sail... into Side B. Snug.

Plain Leech Batten Pockets



- 3 If the leech batten pocket is not adjustable, you will have to tension the batten within the cavity of Side A before you install the stainless assembly screws through the mainsail and into Side B. Patience is required.
- 4 Once the batten receptacles have been attached to the sail, insert a 10mm stud/universal joint/slide assembly into the threaded hole in Side A of each Tides receptacle. **DO NOT TIGHTEN COMPLETELY. THIS ALLOWS THE RECEPTACLE TO ROTATE FREELY WHEN FLAKING THE SAIL ONTO THE BOOM.**

With the batten receptacles and slides completed and the rest of the slides attached, you are now ready to install your mainsail onto your new Tides Track. Please refer to Page 8, Step #13 . If you have adjustable battens, re-tension them as you raise the sail.

Finishing Touches

Once the Tides Track system has been installed, the following checklist is offered for those of us who are members of the “belt and suspenders” crowd:

When weather conditions allow, raise the main while the yacht is still at the slip/mooring. Tension the halyard as you usually do and, using binoculars, inspect the headboard position on the sail track.

Is it clear of masthead hardware and rigging?

Is the headboard slide at least 2-3 inches short of the quick pin at the top of the Tides track?

Release the halyard and flake the main. Check the stack height. Can you still reach the halyard at the headboard?

Does the yacht’s sail cover still fit neatly around the main?

Congratulations! A job well done. If you should have any questions relating to your particular installation, simply note the serial number on the stainless end-cap at the base of the Tides Track and contact Tides Marine at (800) 420-0949.

Customer Comments:

Tides Marine would like to hear from you. Your comments will be helpful as we work to improve our installation brochures.

Please take a moment to complete this questionnaire and fax it back to Tides Marine when you can. If you prefer, you can go to www.tidesmarine.com and complete the form electronically.

When your completed questionnaire is received, Tides Marine will send you your choice of two free replacement slides.

1) Were you able to follow the steps easily and in sequence?

Yes

No

If no, please let us know how we can improve the current format/information.

2) Did you discover your own "shortcuts" along the way during your Tides Track installation? If so, please share them with us:

3) Did the accompanying photos help you with your installation? _____

4) How long did it take you to install your Tides Track System? _____

5) Would you recommend the Tides Track System to other vessel owners? _____

Free Slide Choice #1 _____ (SH-400, SH-401, SH-402, SH-500, SH-600)

Free Slide Choice #2 _____ (SH-400, SH-401, SH-402, SH-500, SH-600)

Please fax your comments to: **TIDES MARINE INC.**
(954) 420-5234

Or use the online comment card at: www.tidesmarine.com

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Tides Track INSTR (Rev. 01/09/20)