



Instructions for Changing the Articulation Setting on a Bayview Engineering Articulating Rudder

The Bayview Engineering articulating rudder is designed so that the level of articulation may be adjusted meet the handling characteristics desired by the boat owner.

BEI recommends that the articulating rudder, when it is initially installed be (depending on the vessel) in a minimum or medium setting. In virtually every instances this setting exceeds the expectations of the vessel owner, however after time is spent getting used to the articulating rudder some vessel owners wish to experiment with even greater articulation or in some cases less articulation.

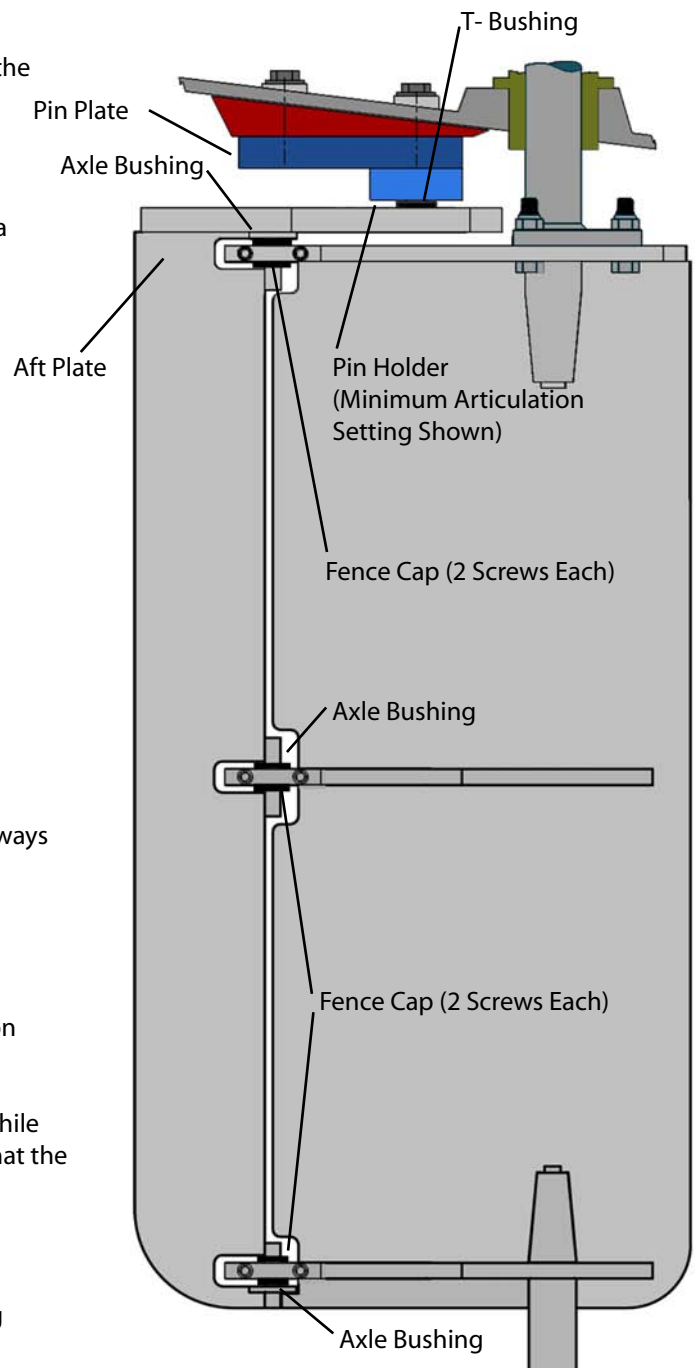
The articulating rudder provides more rudder to steer the vessel than on a standard rudder. This increase in rudder translates to an increase in power required from the steering cylinder and system. The greater the articulation setting on the rudder the greater the power required by the steering cylinder, helm and autopilot pump. Not to mention the arms of the Captain.

To insure that your existing system can handle the increased loads of a greater articulation setting it is advisable to consult the rudder torque calculation that was completed at the time of your rudders design. Please contact us if you do not have a copy of this calculation. (support@bayviewengineeringind.com)

To Adjust the Articulation of your Articulating Rudder:

- (1) Turn the rudder to hard over (away from the heads of the fence cap screws) then remove the 6 fence cap screws. The aft plate can be removed from the rudder exposing the pin holder screws
- (2) With the aft plate removed unscrew the 2 screws holding the pin holder to the pin plate. Move the pin holder to the forward most position for a minimum articulating setting. Move the pin holder all the way aft for a maximum articulating setting.
- (3) Re-mount the pin holder When mounting all hardware always use a thread locking lubricant such as lock-tight and securely torque to bolt specifications.
- (4) Mount aft plate and screw fence caps into place using a thread locking lubricant such as lock-tight Before tightening the fence caps insure the location and fit of the axle and T bushings.
- (5) Using the helm turn rudder from hard over to hard over while observing the rudder, insuring that there is no binding and that the T-Bushing does not bottom out while the rudder articulates. If there appears to be a problem please contact us so that we may consult.

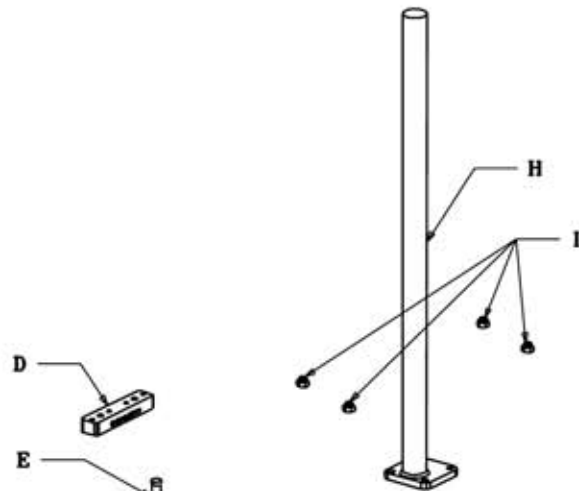
Please see page 2 for a complete exploded diagram of the articulating rudder





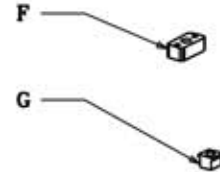
Articulating Rudder Part Description

When ordering parts
use Ref # and your
Rudder serial Number

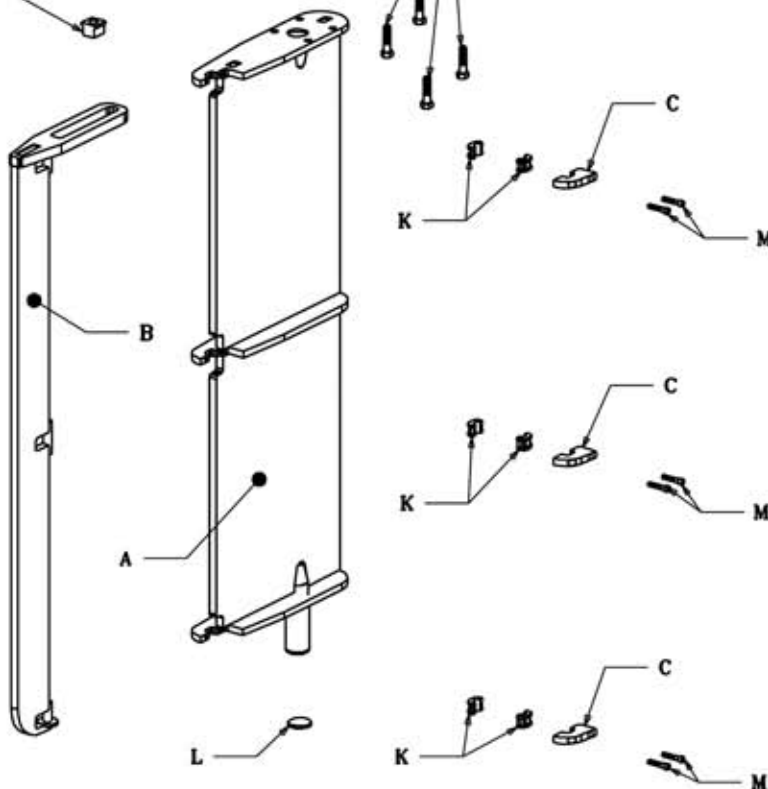


Ref #	Description	Quantity
A	Main Plate Assembly	1
B	Aft Plate Assembly	1
C	Fence Journal Cap	3
D	Pin Plate	1
E	Slider Pin	1
F	Slider Pin Housing	1
G	Slider T Bushing	1
H	Upper Rudder Post Assembly	1
I	Upper Rudder Post lock nuts	4
J	Upper Rudder Post Bolts	4
K	Aft Plate Axle Bushings	6
L	Thrust Bushing	1
M	Journal Cap bolts	6

The following items not shown



N	Slider Pin Housing bolts	2
O	Rudder Torque Data Sheet	1
P	Operators/Service Manual	1
Q	Installation Manual	1



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