



411 West Congress St., Maple Lake, MN 55358 Toll Free 877-466-8837 www.wavearmor.net

Wave Port – Side Hinge (22986 & 22956) to Dock – Assembly Instructions:

Depending on your dock layout plan, it may be easiest to attach hinges to the dock section, assemble the dock section to the rest of the dock, and then complete the rest of the Wave Port hinge assembly.



Wave Port with Side Hinge to Wave Dock

Plastic Parts included in the kit.

1. Slide a port front and dock hinge (Part O) into the channel of the dock section, lining up the threaded insert with the hole in the dock decking. Make sure the flat side of the hinge is to the outside. Use a mallet as necessary.



2. Insert a bolt and washer (Parts 2 & 3) through the hole in the decking into the threaded insert and tighten.
3. Repeat on the other end of the dock section with another port front and dock hinge (Part O).
4. On land, tilt the Wave Port (Part J) on its side. *For safety, have a helper hold the port upright throughout the assembly.*
5. Slide a side hinge (Part P) into the front side channel of the Wave Port, making sure the flat side of the hinge is to the front of the port.
6. Slide a 16" C-clamp (Part T) over the hinge against the bottom of the port, lining up the holes in the C-clamp with the threaded inserts in the bottom of the port.



Side Hinge in place on port

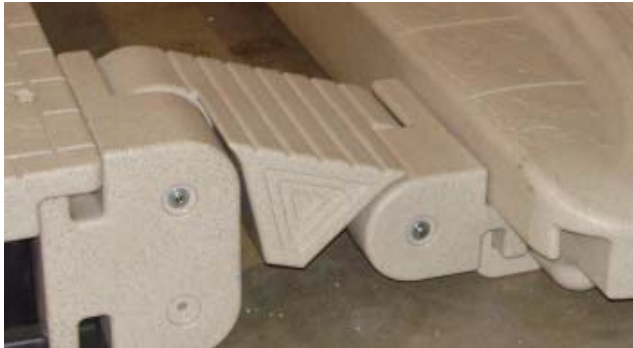


Side Hinge (Part P) and C-Clamp
Attached to Side of Wave Port

7. Attach the C-clamp with 3 bolts and washers (Parts 2 & 3).
8. Insert the hinge pin of the linkage arm (Part R) into the hole of the assembled hinge (Part P).
9. Insert a shoulder bolt and washer (Parts 5 & 6) in the hole on the outside of the hinge into the hinge pin of the linkage arm and tighten.
10. Repeat Steps 5–8 (do not attach the second linkage arm) on the back side channel of the Wave Port. Make sure the flat side of the hinge is to the back of the port.



11. Move the Wave Port into the water, sliding the hinge pin of the front linkage arm into the top hole of the appropriate dock hinge.
12. Insert a shoulder bolt and washer (Parts 5 & 6) in the hole on the outside of the hinge into the hinge pin of the linkage arm and tighten.



13. Simultaneously slide the pins of another linkage arm (Part R) into the hole of the side hinge (Part P) attached to the port and the top hole of the port front and dock hinge (Part O) attached to the dock.
14. Secure both hinges and linkage arm with shoulder bolts and washers (Parts 5 & 6).

Assemble Wave Port with Side Hinge to Existing Dock - 22956

Follow the instructions above, substituting the universal hinge (Part Q) for the port front and dock hinge (Part O), attached in an appropriate manner to the existing dock.



Parts included in kit



Wave Port with Side Hinge to Existing Dock (Universal Hinge Part Q)

Depending on the options you purchased, you may not have all the parts shown below. Before beginning assembly, be sure to familiarize yourself with the parts.

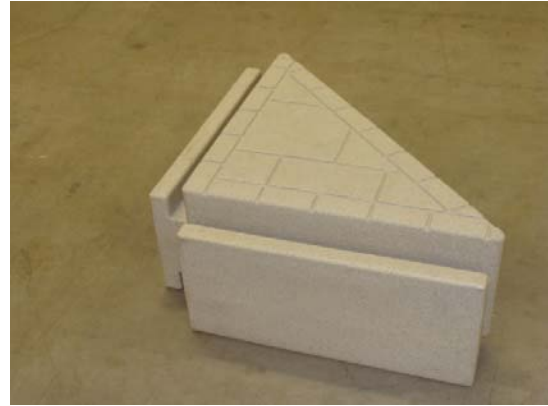
Part	Name
A	Dock Section
B	Corner Gusset
C	24" H-Beam
D	50" H-Beam
E	Post Attachment
F	Pipe Adapter
G	Vertical Bumper
H	Horizontal Bumper
I	Dock Ramp
J	Wave Port
K	Bow Stop
L	Tie-Down Cleat - Small
M	Flip up Cleat - Large
N	Entrance Slide
O	Port Front and Dock Hinge
P	Side Hinge
Q	Universal Hinge
R	Linkage Arm
S	6' Entrance Deck
T	16" C-Clamp
U	24" C-Clamp
V	16" H-Beam
W	Post Attachment ,7" Port Side
X	Entrance Plug
Y	Entrance Slide
Z	Top Roller Plug
1	¼ x 1 ½ Flat Head Machine Screw
2	3/8 x 1 ½ Bolt
3	3/8 Washer
4	3/8 x ¾" Bolt
5	½" Shoulder Bolt
6	Fender Washer for Shoulder Bolt

Tools Needed

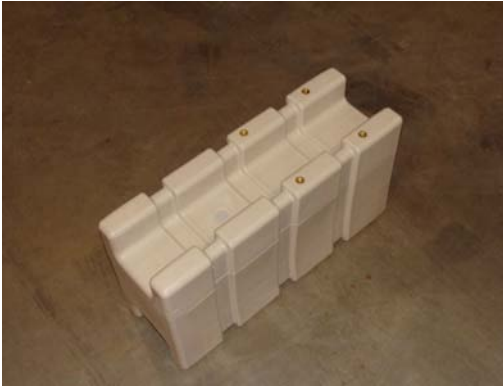
9/16" socket and ratchet with extension
 Phillips screwdriver if installing bow stop on Wave Port
 Dead Blow Mallet, or a maul and block of wood



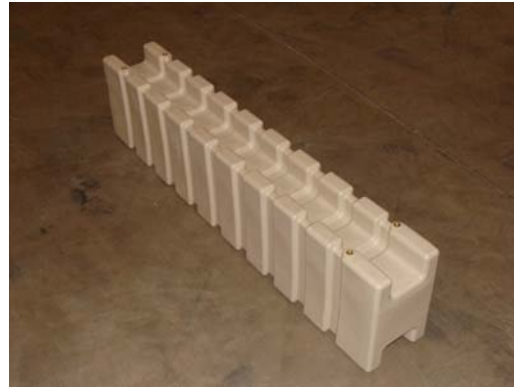
A – Dock Section



B - Corner Gusset



C – 24” H Beam



D – 50” H Beam



E - Post Attachment Port
Front & Wave Dock



F - Post Attachment
Insert/Adapter



G - Vertical Bumper



H - Horizontal Bumper 24"



J - Wave Port - 6 Foot



K- Bow Stop



L - Fixed Cleat - Small



M - Flip-Up Cleat



N - Entrance Slide



O - Port Front and Dock Hinge



P - Side Hinge- Port



Q - Universal Dock Hinge



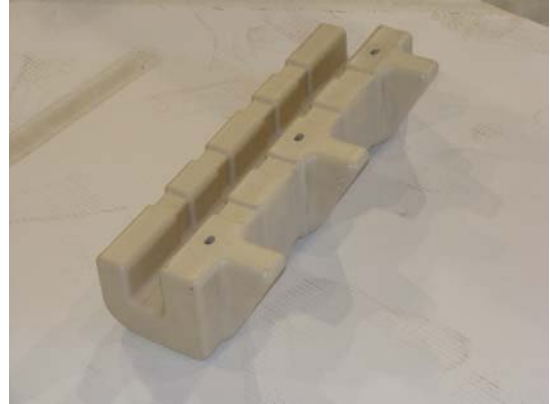
R - Linkage Arm 24"



S - 6 Ft Linkage/Entrance Deck



T – 16” C Clamp



U – 24” C Clamp



V – 16” H Beam



W - Side Post Attachment – Port Only



1 – ¼ x 1 ½ flat head machine screw



2 – 3/8 x 1 ½ bolt
3 – 3/8” washer



4 – 3/8 x ¾ Bolt
3 – 3/8” washer



5 – ½” Shoulder Bolt
6 – ½” Fender washer