



**DURO-BEAM *aquaBoard™*/T7™ DIVING SYSTEM
BOARD FALL Installation Instructions**



La Mesa w/Duro-Beam *aquaBoard™* w/BOARD FALL



T7™ w/BOARD FALL

**3050 S. ALVERNON WAY • TUCSON, AZ 85713
520.790.7040 • 800.737.5386 • FAX 520.790.7127**

inter-fab.com

The BOARD FALL water feature is available in 3 styles described below. Each style will work on a 6, 8 or 10 foot Duro-Beam aquaBoard™, as well as on the T7™ diving board. **NOTE:** Minimum 10 GPM water supply recommended. *Please see detailed installation instructions for dive stand installation information and requirements.*

BOARD FALL CONFIGURATIONS:

1. **BOARD FALL:** kit includes Board Fall, Mounting Hardware (4 screws), 8' & 4" of 1/2" Flex PVC Pipe, 1-Union
2. **BOARD FALL-L:** kit includes Board Fall parts *PLUS* LED Lights Assembled (RGB), Color Controller, 35' of Wire (10' on unit – 25' on controller), Coupler. *NOTE: No transformer is provided.**
3. **BOARD FALL-F:** kit includes Board Fall parts *PLUS* 55' of 25 Strand Fiber Optic Cable Assembled. *NOTE: No light source is provided.*

STEP 1: INSTALL BOARD FALL WATER FEATURE ON T7 BOARD:

If purchased, attach the optional waterfall assembly to the underside of the T7™ diving board as follows:

IMPORTANT: To keep the BOARD FALL from clogging when installing on a Sand Filter System, an in-line cartridge filter is recommended on the BOARD FALL water supply line.

- A)** The center (central) rib on the underside of the diving board is hollow and is capped at the factory. Remove the cap from front of the center rib exposing the hollow channel.
- B)** The BOARD FALL comes from the factory with an 8' length of 1/2" flex PVC pipe attached. The 8' length goes thru the board and attaches with PVC glue to one side of the 1/2" union. The 4" length of flex PVC pipe attaches with PVC glue to the stub-up and then to the other side of the 1/2" union.
- C)** (If Purchased) your BOARD FALL waterfall comes with an optional pre-wired, factory installed LED or Fiber Optic lighting system. Simply thread the wiring attached to your waterfall lighting system down the conduit in the central rib on the board along side the 1/2" PVC tubing.

TIP: You may find it simpler to put end of wire into end of hose or tape the wiring to the end of the 1/2" flex PVC and thread them thru the conduit at one time.

The LED lighting system comes with 10' of wire attached to the LED which goes through the board and attaches to the coupler; the additional 25' of wiring attaches to the coupler and then passes through the customer installed conduit to the color controller.

The fiber optic lighting comes with 55' of continuous cable which is passed through the board, then through the customer installed electrical conduit to the customer provided color light source.



Fig. A



Fig. B



Fig. C

- D)** Once the water tubing and wiring are threaded all the way through the diving board, from the base side, gently pull the end of the tubing until the waterfall assembly is pulled gently but snugly against the end of the center rib.
- E)** Attach the waterfall unit to the Diving Board by inserting the 4 provided screws thru the *pre-drilled* holes in the waterfall assembly; hand tighten only (DO NOT USE SCREW GUN), over tightening the screws will cause them to strip inside the board or break the waterfall housing, and voids the warranty.

***WARNING:** Do not attach the color controller directly to 110V, the LED lighting is a low voltage system requiring a transformer (not included) to provide power to the color controller. Inter-Fab recommends the Intermatic PX100 transformer. If the Intermatic PX100 is not utilized the color controller Input Rating is: 12 VAC, 1.7 Amp 60/50HZ. *Exceeding the input rating will severely damage the color controller and void the warranty.*

The BOARD FALL water feature is available in 3 styles described below. Each style will work on a 6, 8 or 10 foot Duro-Beam aquaBoard™, as well as on the T7™ diving board. **NOTE:** Minimum 10 GPM water supply recommended. *Please see detailed installation instructions for dive stand installation information and requirements.*

BOARD FALL CONFIGURATIONS:

1. **BOARD FALL:** kit includes Board Fall, Mounting Hardware (4 screws), 8' & 4" of 1/2" Flex PVC Pipe, 1-Union
2. **BOARD FALL-L:** kit includes Board Fall parts *PLUS* LED Lights Assembled (RGB), Color Controller, 35' of Wire (10' on unit – 25' on controller), Coupler. *NOTE: No transformer is provided.**
3. **BOARD FALL-F:** kit includes Board Fall parts *PLUS* 55' of 25 Strand Fiber Optic Cable Assembled. *NOTE: No light source is provided.*

STEP 1: INSTALL BOARD FALL WATER FEATURE ON DURO-BEAM aquaBoard™:

If purchased, attach the optional waterfall assembly to the underside of the Duro-Beam aquaBoard™ as follows:

IMPORTANT: To keep the BOARD FALL from clogging when installing on a Sand Filter System, an in-line cartridge filter is recommended on the BOARD FALL water supply line.

A) The BOARD FALL comes from the factory with an 8' length of 1/2" flex PVC pipe attached. The 8' length goes thru the board and attaches with PVC glue to one side of the 1/2" union. The 4" length of flex PVC pipe attaches with PVC glue to the stub-up and then to the other side of the 1/2" union.

B) (If Purchased) your BOARD FALL waterfall comes with an optional pre-wired, factory installed LED or Fiber Optic lighting system. Simply thread the wiring attached to your waterfall lighting system down the channel in the center of the board along side the 1/2" PVC tubing.

TIP: You may find it simpler to put end of wire into end of hose or tape the wiring to the end of the 1/2" flex PVC and thread them thru the conduit at one time.

The LED lighting system comes with 10' of wire attached to the LED which goes through the board and attaches to the coupler, the additional 25' of wiring attaches to the coupler and then passes through the customer installed conduit to the color controller.

The fiber optic lighting comes with 55' of continuous cable which is passed through the board, then through the customer installed electrical conduit to the customer provided color light source.

C) Once the water tubing and wiring are threaded all the way through the diving board, from the base side, gently pull the end of the tubing until the waterfall assembly is pulled gently into the BOARD FALL receiver on the top of the diving board.

D) Mark the hole locations for attaching the BOARD FALL unit to the board. Locate the BOARD FALL unit flush to the end of the BOARD FALL receiver. **(Fig. D)** Use a marker or pencil to mark through the BOARD FALL holes onto the board. **(Fig. E)** Pull BOARD FALL unit slightly out of receiver. **(Fig. F)** Using a 1/8" drill bit, drill the 4 holes 1/2" deep. **(Fig. G)** Use tape to mark the drill bit depth. **IMPORTANT: Do not drill the holes deeper than 1/2" as there is a risk of drilling all the way through the board.**

E) Attach the waterfall unit to the Diving Board by inserting the 4 provided screws thru the holes in the waterfall assembly; hand tighten only (DO NOT USE SCREW GUN), over tightening the screws will cause them to strip inside the board or break the waterfall housing, and voids the warranty.

***WARNING:** Do not attach the color controller directly to 110V, the LED lighting is a low voltage system requiring a transformer (not included) to provide power to the color controller. Inter-Fab recommends the Intermatic PX100 transformer. If the Intermatic PX100 is not utilized the color controller Input Rating is: 12 VAC, 1.7 Amp 60/50HZ. *Exceeding the input rating will severely damage the color controller and void the warranty.*



Fig. D



Fig. E



Fig. F



Fig. G

LIMITED WARRANTY

Inter-Fab, Inc. will repair or replace, at its option, any product manufactured by Inter-Fab, Inc. that fails during the applicable warranty period because of a manufacturing or material defect; provided that the defect is not the result of improper installation, improper use or care, negligence, alterations or modifications to the product, or natural accidents (acts of God). The applicable warranty period for products manufactured by Inter-Fab, Inc. is three (3) years from the date of retail purchase, except as specified below:

Echoes of Nature™ products are individually handcrafted and painted by skilled artisans and as a result, dimensional differences and color variations are normal and are not a basis for warranty coverage. The warranty period for pumps sold with the Echoes of Nature™ products is three (3) years from the date of retail purchase.

Water Sports™ sports equipment warranty periods are as follows: Volleyball Poles, Basketball Poles, Basketball Rim, and Basketball Backboard are one (1) year from date of retail purchase. Volleyball, Volleyball Net, Basketball, Basketball Net, and pumps are warranted for ninety (90) days from date of retail purchase.

The Board Fall, Board Fall-L (LED), and Board Fall-F (fiber optic) water features, used for the **Splash Rock™**, **T7™** and **aquaBoard™** products, have a warranty period of one (1) year from the date of retail purchase.

Zoomerang™ slide products warranty period is one (1) year from the date of retail purchase.

Build Your Own Slide™ (BYOS™) and **Build Your Own Slide 2™** (BYOS 2™) warranty periods are one (1) year from the date of retail purchase.

City 2™ Slide and **City Base™** products warranty period are one (1) year from the date of retail purchase.

Unless expressly stated otherwise all products manufactured by Inter-Fab are for **residential installation (single family residence)** inground pool use only. Inter-Fab, Inc. expressly disclaims any and all warranties and liability arising from the installation or use of its residential products for any non-residential use such as semi-public, public, or commercial applications. Products expressly manufactured for commercial installation and use will be subject to this limited warranty.

This limited warranty is in lieu of all other warranties, whether express or implied. Inter-Fab, Inc. disclaims any warranty of merchantability or fitness for a particular use, and noninfringement in relation to any of its products and Inter-Fab, Inc. is not liable for consequential, incidental or specific damages. This warranty is limited to the repair or replacement of the manufacturing or material defect, or refund of the original purchase price, whichever is less, at the sole option of Inter-Fab, Inc., and expressly does not cover any labor or reinstallation expenses related to the replacement of any and all Inter-Fab products. This limited warranty shall be the sole and exclusive remedy of irrespective of whether the claims are made in contract, tort, warranty, law, equity or by statute.

This warranty is to the original purchaser of the product only. Inter-Fab's limited warranty is neither transferable nor portable from consumer to consumer. The effective coverage date begins at the date of retail purchase. Product owner or representative must notify Inter-Fab, Inc. (or its wholesale agent) in writing, giving a full description of the nature of the product defect or failure along with proof of purchase, serial number(s) of the product and photos within thirty (30) days of the expiration of the applicable warranty period. Inter-Fab, Inc. reserves the right to physically inspect damaged or defective products or components to determine the cause of the damage or defect, prior to authorizing repair or replacement of its products.



3050 S. Alvernon Way • Tucson, AZ 85713

520.790.7040 • 800.737.5386 • Fax 520.790.7127 • inter-fab.com