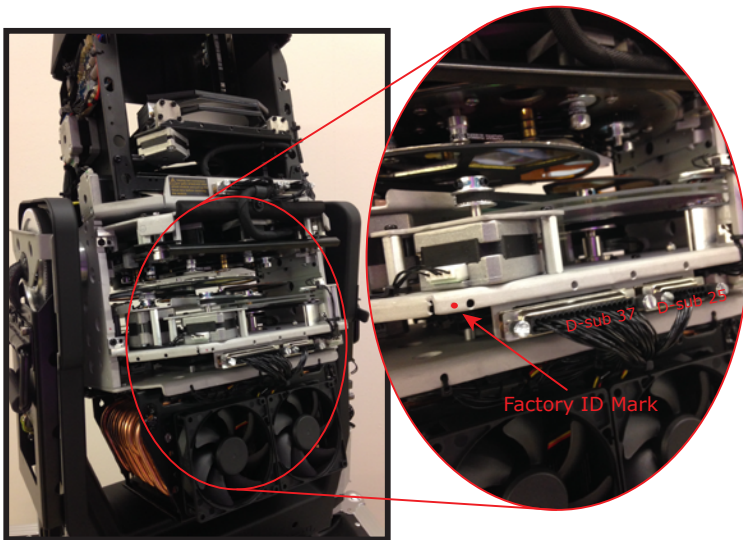Early production SolaWash Pro 2000 fixtures were manufactured with a wire harness routed to the color wheel module that used two different pin-out configurations. Color modules **MUST** be used in fixtures with the same matching wire harness in order to operate properly.

The different fixture types are referred to as **"Version A" or "Version B"**

There are two ways to visually identify the fixture type.

Factory ID Mark

D-sub 37   D-sub 25

Picture 1

1. Look for the factory mark.

Access the fixture module section by removing the fixture head cover that is on the same side as the pan lock.
Color modules were marked at the factory with a colored dot to identify which version it is *(See picture 1 for the mark location)*.

A **Red** dot identifies the module as **"Version A"** 🔴

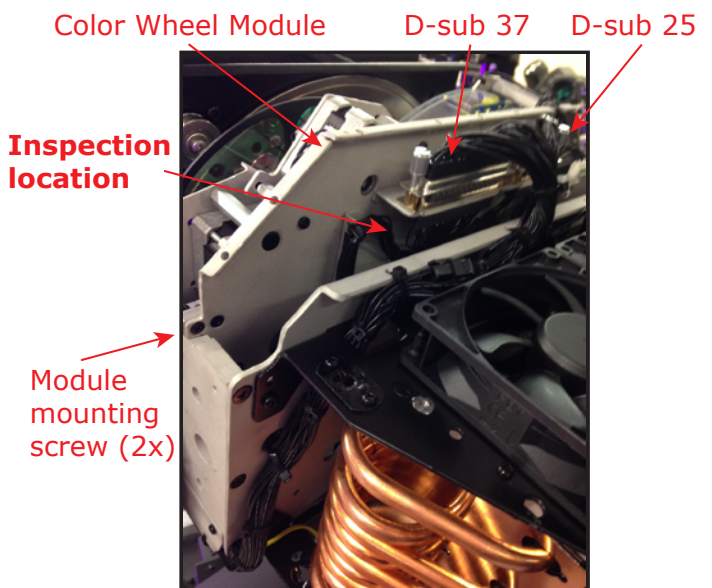A **Green** dot identifies the module as **"Version B"** 🟢

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2. Inspect the wire routing.

If there is no factory mark, the direction of the wire routing at the D-sub 37 connector can verify which version module was installed *(See "Picture 2" for the location to inspect).*

NOTE: If you don't have a clear view of the underside of the D-sub 37 connector, if may be neccessary to remove the module mounting screws and partially pull the module out of the fixture in order to get a better view. You could also choose to remove the entire module from the fixture in order to have a full view of the connector as shown in pictures 3 & 4 on the following page.

To remove the color module-
- Engage the pan and tilt locks on the fixture.
- Use a #2 Philips screwdriver to remove the two (2) module mounting screws.
- Use a flat head screwdriver remove the thumbscrews from the harness connectors at D-sub 37 and D-sub 25. Disconnect these harness connectors from the module.

- Slide the color wheel module out until you can clearly see the wiring going into the **back** of the D-sub 37 connector mounted to the color wheel module.
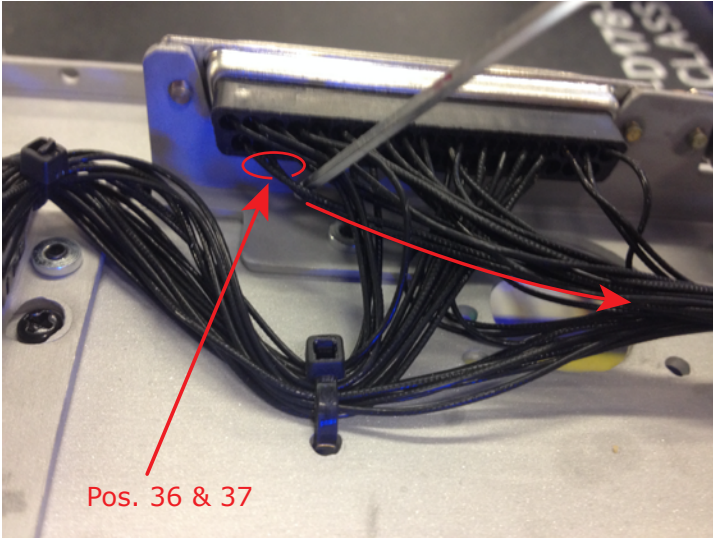

Color Wheel Module   D-sub 37   D-sub 25

Inspection location

Module mounting screw (2x)

Picture 2

(Cont.)

"Version A" 🔴

Pos. 36 & 37

Picture 3
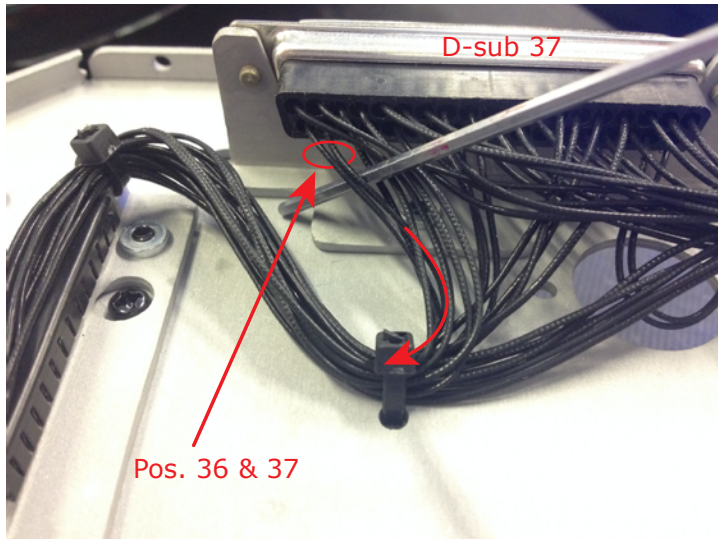
On "Version A" modules (Red dot), the two wires coming out of contact positions 36 & 37 (bottom contacts on the left) run to the right, toward the smaller D-Sub 25 *(See "Picture 3")*.

"Version B" 🟢

D-sub 37

Pos. 36 & 37

Picture 4

On "Version B" modules (green dot), the two wires coming out of contact positions 36 & 37 (bottom contacts on the left) run to the left, away from the smaller D-Sub 25 and through the panel mount tie wrap *(See "Picture 4")*.

NOTE: If a fixture had the color module removed, and it is unsure which version module was originally installed in the fixutre, a module will need to be installed and the fixture homed to verify proper operation.

Mismatched modules to fixtures will not cause damage to either, but the fixture will not home or operate properly.

Ordering information for the SolaWash FX 2000 and SolaWash Pro 2000 Modules;
"A" version- #H7150033: Module Color Type A.
"B" version- #H7150089: Module Color Type B.

Serial Number Range*- SN- 5509915090301

**All fixtures with this serial number or greater will be "Version A".
Any serial numbers prior to these could be either Version A or B.*

Version A2 Module Identification

There is a potential on some fixtures where the yellow color wheel sensor was built incorrectly.
This led to an error in the connector wiring pinouts on the fixture being reversed.
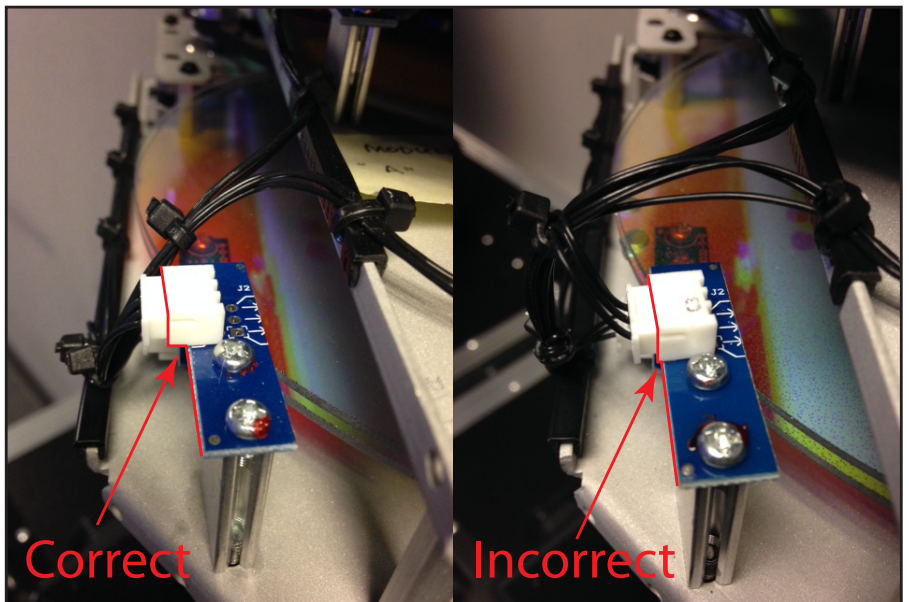These fixtures are being refered to as a "Version A2" fixture.

If a module from a Version A1 fixture is swapped into a fixture with a bad sensor board (Version A2), the yellow color wheel will not home.

If a fixture is found to have one of these bad sensor boards, two modifications must be made in order to correct it to match a Version A1 fixture.
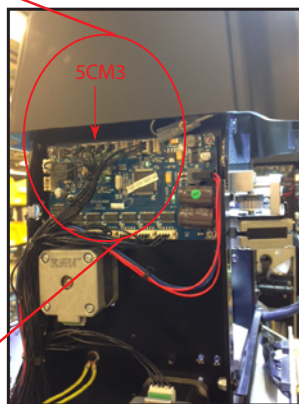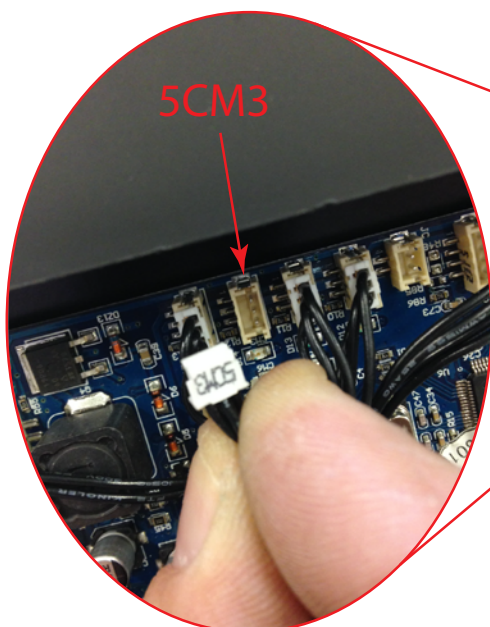   1. The sensor must be changed to the correct version *(see Illustration 1)*.
    2. The wiring pinouts #1 and #3 at connector 5CM3 must be swapped *(see Illustration 2)*.

The difference between a correct A1 sensor board and an incorrect A2 sensor board can be visually identified by the location of the header.
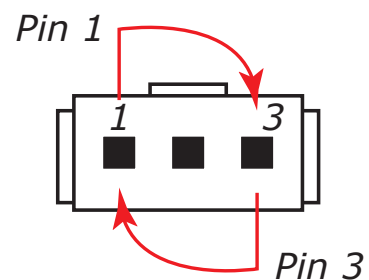
A correct A1 board has the housing extending out over the edge of the board farther than an incorrect A2 sensor board assembly.

Correct   Incorrect

(Illustration 1)

5CM3

(Illustration 2)

Pin 1

1   3

Pin 3

(Cont.)

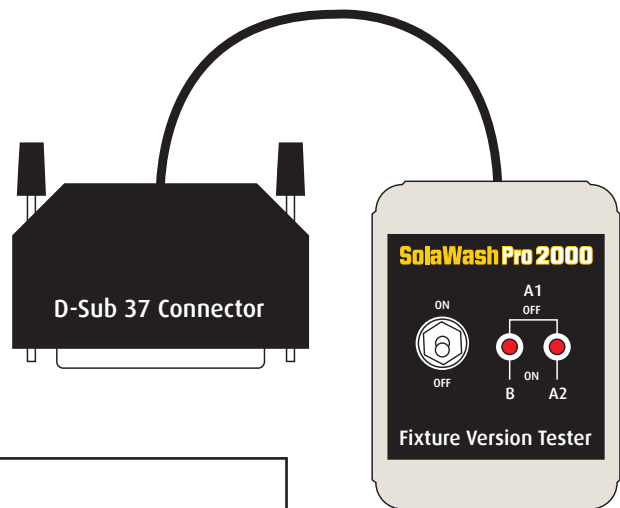# Using a SolaWash Pro 2000 "Fixture Version Tester"

Connect the testers D-Sub 37 connector to the fixtures mating connector at the color module harness mounting location.

Turn the tester on to identify what version fixture is connected.

- If no LED's turn on, the fixture is an A1 version.
- If an LED turns on, it will correspond to either a "B" version or an "A2" as shown on the tester.

⚠️ *NOTE: A "B" version fixture MUST be matched to a "B" version color module.*

D-Sub 37 Connector

SolaWash Pro 2000

A1
ON   OFF
OFF   ON
      B   A2

Fixture Version Tester

Fixture	Sensor	Action
A1	A1	None
A1	A2	Swap pins #1 and #3 at connector SCM3, or replace sensor
A2	A1	Swap pins #1 and #3 at connector SCM3
A2	A2	None, unless it needs to be converted to an A1 version.

Note: Color modules that have been individually evaluated at High End Systems have a QC label adhered to the module.