



HIGH FLOW SAFETY DRAIN

## SDX2 HIGH FLOW SAFETY DRAIN COVER REPLACEMENT

### OWNER'S MANUAL MAINTENANCE & INSTALLATION GUIDE



VGB 2008  
Compliant



#### NOTICE

Read and follow these instructions. Give these instructions to the facility owner to keep for future reference. Follow all codes and regulations that apply to the design, installation, maintenance and use of suction outlet fittings.



#### WARNING

SDX2 and SDX2 Retro must be installed in accordance with Paramount's written instruction & maintenance manual, and in conformity with applicable Federal, State, Local and Swimming pool industry building and safety codes.



#### DANGER

PROPER INSTALLATION OF THE SDX2 RETRO IS ESSENTIAL. IF YOU HAVE ANY QUESTIONS, PLEASE CALL PARAMOUNT AT 1.800.621.5886 OR CONTACT YOUR REGIONAL REPRESENTATIVE. PLEASE FOLLOW ALL LOCAL CODES AND POOL SAFETY GUIDELINES. 1300634v2/15700-0001

US and Foreign patents and patents pending see [www.1paramount.com/about/patents/](http://www.1paramount.com/about/patents/)

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## Signal Words and Symbols Used In This Manual

This Owner's Manual and Installation Guide contains specific precautions and symbols to identify safety-related information. You will find DANGER, CAUTION, WARNING and NOTICE symbols which require special attention. Please read them carefully and follow these precautions as indicated! They will explain how to avoid hazards that may endanger you or persons using or maintaining your pool or spa.



### DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.



### WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.



### CAUTION

CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

### NOTICE

NOTICE is used to address practices not related to physical injury.

PLEASE REVIEW THE OWNER'S MANUAL AND INSTALLATION GUIDE IN ITS ENTIRETY AND HEED ALL SAFETY INFORMATION. Failure to follow these instructions and warnings can result in DEATH OR SERIOUS INJURY.

## SUCTION ENTRAPMENT HAZARD:



### DANGER

**DEATH or SERIOUS INJURY will result if a drain cover or grate is not installed and used correctly.**

- Pool and spa pumps produce high levels of suction and move high volumes of water, which can cause death or serious injury if a person comes in close proximity to pool or spa drains.
- Keep clear of pool and spa drains to avoid death or serious injury from suction.



### DANGER

**DEATH or SERIOUS INJURY will result from hair entanglement or limb entrapment.**



- Keep clear of pool and spa drains.
- Hair sucked into pool or spa drains will tangle and knot trapping the swimmer underwater. Avoid placing your hair near a pool or spa drain.
- Avoid sitting on pool or spa drains because the suction can cause severe intestinal damage, evisceration, and/or disembowelment.



### DANGER

**DEATH or SERIOUS INJURY will result from pool or spa drain covers or grates that are improperly installed, missing, clogged, or broken.**

- Inspect pool and spa before each use to ensure that drain covers and grates are properly in place and secured.
- Ensure that drain covers are not damaged, cracked, broken, loose, clogged, not properly secured, or missing because these conditions increase the chance of death or serious injury from entrapment.
- If a drain cover is discovered damaged, cracked, broken, loose, clogged, not properly secured, or missing, you should:
  - Close the pool or spa immediately; and,
  - Post a closure notice and keep the pool or spa closed until an appropriate ANSI/APSP -16-2011 certified drain cover is properly installed.



### DANGER

**DEATH or SERIOUS INJURY will result from contact with a damaged, loose, or missing drain cover.**



- Do not allow limbs to contact or be inserted into a drain pipe with a damaged, loose, or missing drain cover. This could result in swelling of the limb and/or trapping a swimmer underwater.
- Avoid mechanical entrapment of jewelry, swimsuit, hair decorations, finger, toe, or knuckle in a drain pipe with damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.
- Do not allow body to come into contact with a drain pipe that has a damaged, loose, or missing drain cover. This may result in trapping a swimmer underwater.

# MAINTENANCE INSTRUCTIONS & WARNINGS:



## WARNING

**DEATH or SERIOUS INJURY** can result from pool or spa drain covers or grates that are clogged by debris.

- All pool and spa drain covers may become obstructed by debris and should be cleaned periodically due to clogging from debris, such as pieces of plastic, hair, fabric, twigs, leaves, seeds, etc.
- The frequency of periodic cleaning will vary depending on the amount and type of debris introduced into the pool or spa
- Clogging of the drain cover will increase the suction effect and increase the likelihood of death or serious injury from those hazards listed above.
- A clogged drain can negatively affect the safety of the drain.
- It is advisable to have a qualified pool or spa professional perform this inspection and debris removal from the pool and spa drain covers.
- When servicing the drain cover, the pump connected to the suction must be turned off.
- Do not perform any service of the drain cover in water level above your waist.
- Use drain covers only with a pumping system rated for the corresponding flow or less. Failure to do so can result in hair or body entrapment which can cause death or serious injury. If in doubt about the rating of your system, consult a qualified pool or spa professional.
- Use only the supplied stainless-steel screws with the drain cover. Screws put into the frame anywhere except in the original screw holes will not hold and will allow the drain cover to come off the main drain, causing an entrapment hazard. If a screw hole(s) is stripped, inserts missing, loose, or damaged, consult your owner's manual and installation guide for proper steps to replace, correct, or reattach the compromised drain or drain component.



## WARNING

Suction can pose a serious hazard to swimmers just as electricity can be a hazard. Both are important for proper water filtration and both must be treated with respect. Suction safety begins with a professional design that includes a

quality suction system installed by a certified contractor.

Certified builders will address the following issues when designing and installing a proper filtration system:

- Properly bond-grounded pumps, time clocks, switches and any other metal in or near water. This is required to address Electrical Shock Hazards.
- Design the suction piping so there are no single-point suction hazards; single-point suction (one drain) is a leading cause of Body Suction Entrapment Hazards. Note: your certified builder has many effective options for addressing this hazard; they may include dual-drain systems, like MDX-R3, skimmers, gutters, negative edge features and many more products and piping designs known to professionals.
- Install ANSI/APSP - 16 - 2011 listed drains, suction covers and debris removal systems. This is the **ONLY** approved option for preventing Hair Entrapment Hazards, the leading cause of suction related injuries.
- Design and install an effective circulation system (including optional cleaning systems), to direct filtered water to all areas and interior surfaces. **NOTE:** Suction fittings can **NOT** clean or direct filtered water for proper sanitation; that can only be done on the pressure (return) side of the filtration system.

While suction injuries are extremely rare, drowning and diving injuries are far too common and there is little your certified builder can do to eliminate these hazards. You must educate yourself and your guests. Below are some important safety issues every swimmer must know and recognize.

- **PREVENT DROWNING:** Watch children at all times, no swimming alone.
- **NO DIVING IN SHALLOW WATER:** You can be permanently injured.
- **PREVENT SUCTION ENTRAPMENT:** Inspect suction covers before swimming, keep swimmers away from suction fittings, protect long hair, don't swim with loose clothing or large and dangling jewelry.

For more information about the Virginia Graeme Baker Pool and Spa Safety Act, contact the Consumer Product Safety Commission at (301) 504-7908 or visit [www.cpsc.gov](http://www.cpsc.gov).



## WARNING

Always turn off all power to the pool pump before installing the cover or working on any suction outlet.

# INSTALLATION INSTRUCTIONS & WARNINGS:



## CAUTION

Read this Owner's Manual and Installation Guide for explanations and instructions regarding maintenance and proper installation of pool and spa drain covers.



## CAUTION

Drain covers deteriorate over time due to exposure to sunlight and pool chemicals and must be replaced every five (5) years from installation (or earlier if the cover or grate becomes damaged in any way).

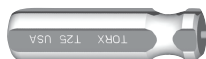
## NOTICE

Some covers and grates are incompatible with other manufacturers' frames and the existing frame must first be removed and a new supplied frame installed.

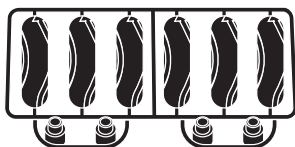
**Proper installation is essential.** MDX R-3, MDX2, SDX2, SDX2 Retro must be installed in accordance with Paramount's Owner's Manual and Instruction Guide, and in conformity with applicable Federal, State, Local and Swimming pool industry building and safety codes.

Paramount Pool and Spa Systems recommends hiring a qualified pool or spa professional to perform service and maintenance on your pool. If you have any questions, please call Paramount at 1.800.621.5886 or contact your regional representative.

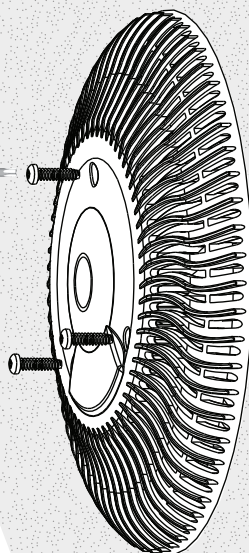
T25 Security Screwdriver  
#005-252-0895-00



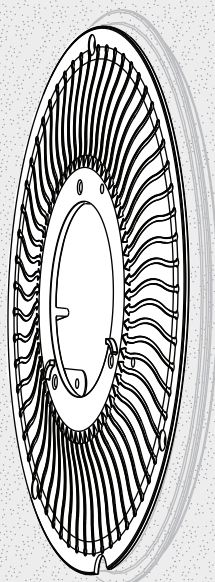
#### SLOT PLUGS



SDX2 trim pack  
#005-252-0886-00  
(Not part of SDX2 replacement cover)



SDX2 Cover w/screws  
#005-252-2097-XX



Indicate color choice by placing the appropriate color code in place of the "XX" at the end of the part number.

White-01	Gray-02	Black-03	Taupe-04	Blue-05	Light Blue-06	Beige-07	Light Gray-08
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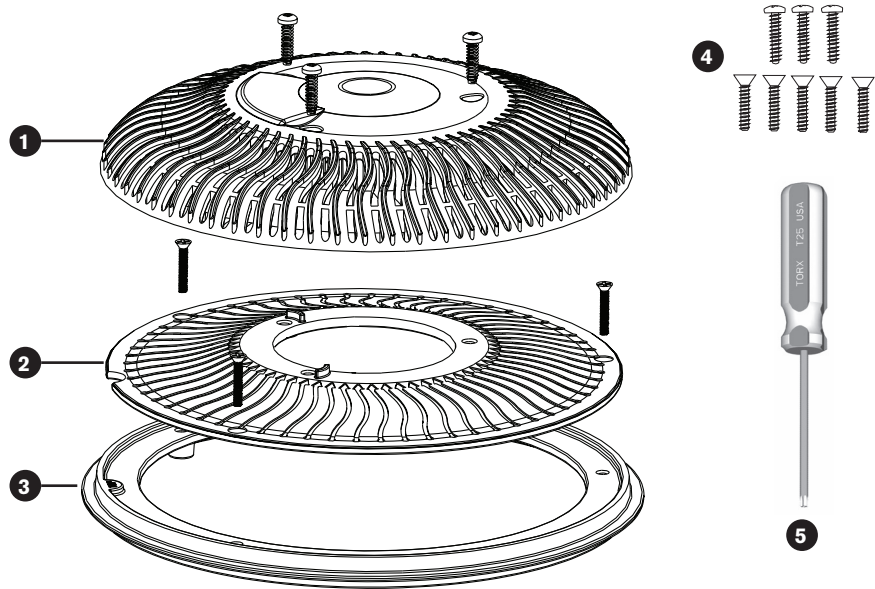
## NOTICE

The following steps may require a diver or draining the pool or spa. Draining a pool or spa may cause structural damage. Before draining, contact your local qualified pool or spa professional.

1. Using a T-25 security screw removal tool, unscrew the 3 screws on the cover and remove the cover. Be careful not to allow any of the slot plugs fall out and float away
2. Examine the back plate. If it is a retro model make sure all slot plugs are in place. If any of the slot plugs are missing they must be replaced (SDX2 trim pack part #005-252-0886-00). Only SDX2 Retro pool installation will have slot plugs on the back plate.
3. Be sure to line up the grooves on top of the slot plug with the grooves in the back plate. **FAILURE TO PROPERLY REPLACE THE MISSING SLOT PLUGS WOULD DISABLE THE SAFETY FEATURES OF THE SDX2 DRAIN.** (Tip: Using a sticky substance like thread sealant can help hold the slot plugs in place so they don't float away.)
4. Replace the front cover using the new security screws that came with the new cover. Check to be sure the SDX2 cover is secure by pulling on the cover and there are no gaps.

# SDX2 PART NUMBERS

Replace within 05 installed years



Item	Part Number	Description
1	005-252-2097-XX	SDX2 Cover w/ Screws Concrete
2	005-252-2066-00	SDX2 Support Concrete
3	005-252-2050-00	SDX2 Ring Concrete
4	005-252-0810-00	SDX2 Screw Pack Complete for Concrete
5*	005-252-0895-00	T25 Security Screwdriver

XX = Color Code

\* Not Part of SDX2