



SWING CHECK GUARD INSTALLATION

DATE 12-23-13

**VAL-MATIC**<sup>®</sup>

VALVE AND MANUFACTURING CORP.

DRWG. NO.

**SS-3155**

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## Overview

The lever cage consists of three main parts; the Basket (111), the Plate (110) and the Bracket (112).

The Bracket (112) is secured to the valve by using two of the cover bolts. The four holes are orientated on top when the bracket is attached to the valve. All the Brackets are the same whether the Cage is on the left side of the valve or the right side.

The Plate (110) is made of perforated metal with two solid bars welded to it in the middle. The solid bars have hex nuts welded to them and are used to bolt the Plate to the mounting Bracket. The solid bars and nuts point away from the valve when it is assembled to the Bracket. Assembly of the Plate to the Bracket requires sliding the Plate over the valve shaft using the large diameter hole in the Plate. Each Plate is different depending on whether it is attached to the left side or right side of the valve. Six bolts are attached from the Bracket side.

The valve accessories (i.e. weight and lever) need to be assembled to the valve shaft before the basket is installed.

The Basket (111) is made of perforated metal with one solid bar on the top and a one on the bottom. The Basket fits over the valve shaft and accessories and is bolted to the Plate (110) with eight bolts. All the Baskets are the same whether the Cage is on the left side of the valve or the right side.

## Removal

1. The Basket (111) is held to the Plate (110) with eight bolts. Remove the eight bolts and pull the Basket away from the valve.
2. Remove the lever and weight from the valve shaft per manual SWCV-OM2-2.
3. The Plate (110) is held to the Bracket (112) with six bolts. Remove the six bolts and pull the Plate along the valve shaft to remove.
4. The Bracket (112) is attached to the valve cover bolts. Remove line pressure from the valve before removing the cover bolts. Take off the two cover bolt to remove the Bracket from the valve.

## Installation

Verify that the valve is not under pressure since some of the cover bolts will be removed.

1. The Bracket (112) is attached to the two cover bolts at the farthest edge of the valve. Remove these two cover bolts and install the Bracket to the cover side (top side) of the valve. The four smaller holes on the Bracket are to be orientated at the top.
2. The Plate (110) will slide over the valve shaft and attach to the Bracket with six bolts. The six hex nuts that are attached to the Plate are to face away from the valve when installed.
3. Attach the Basket (111) to the Plate (110) with eight bolts.

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