

# Model 20 Barracuda

## 2 1/2" - 8"

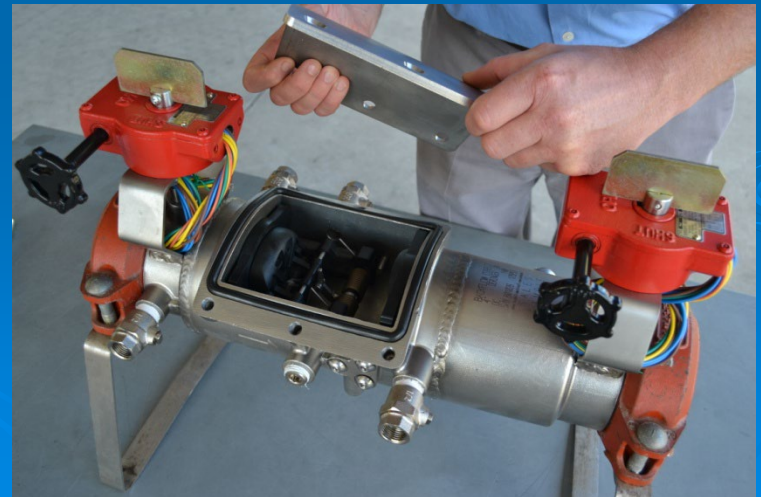
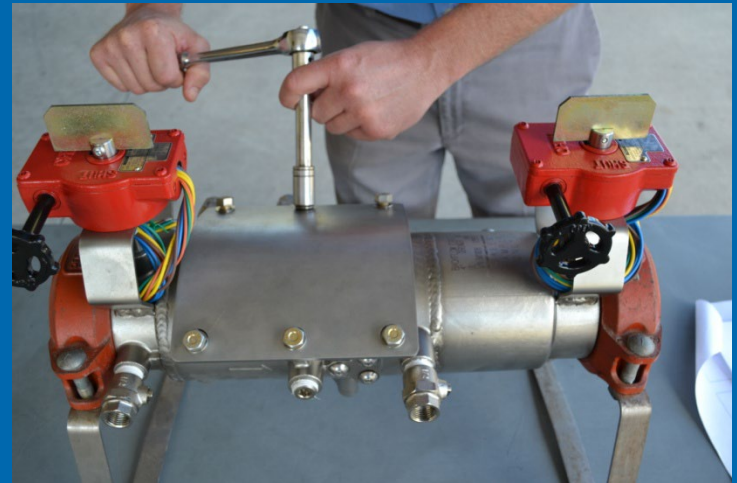


# *Product Overview*

- Production of the Model 20 (Barracuda) began in 2018.
- The “X” comes in 6” sizes only. This indicates internal check valves that are larger than line size.  
For example 6” uses 8” parts.

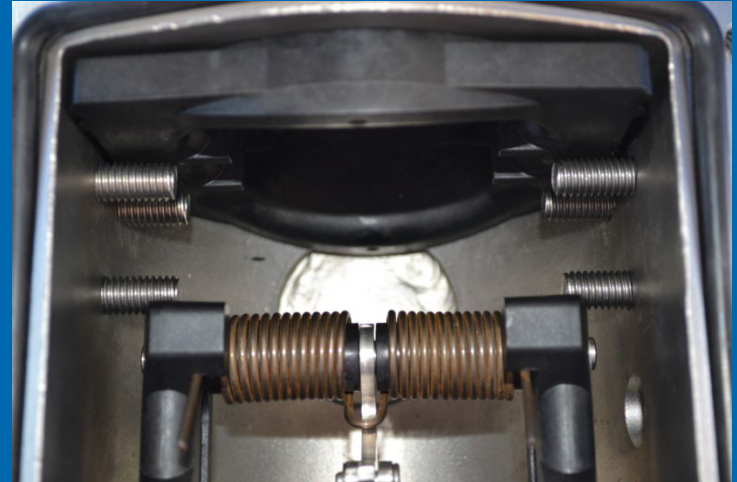
# Single Access Cover Removal

- The access cover is secured by bolts and o-ring sealed.
- There is no spring load on the cover.
- Remove bolts and tapered washers.



# Check Valve Removal

- Modules are o-ring sealed and secured by retaining bolts located on the outside of the valve body.
- 2"- 4" sizes: Loosen the six  $7/32$ " allen bolts until they are flush with the inner wall of the body.
- 6"-8" Sizes: Loosen the six retaining bolts.



# Check Valve Removal

- Modules are o-ring sealed.
- Remove check 1 first, then check 2.
- Using a flat blade screwdriver, gently pry the module out of the body.



# Check Disc Replacement

- Remove 4 tower screws on the front or back of the check module.

\*\*\* The torsion spring is captured and does not need to be retained.



- Remove the tower from the check seat.
- Remove retaining screws from the disc retainer.



# Check Seat Service

- The check seat is part of the module.
- If seat is damaged, the entire module will have to be replaced.



# First Check Valve Reassembly

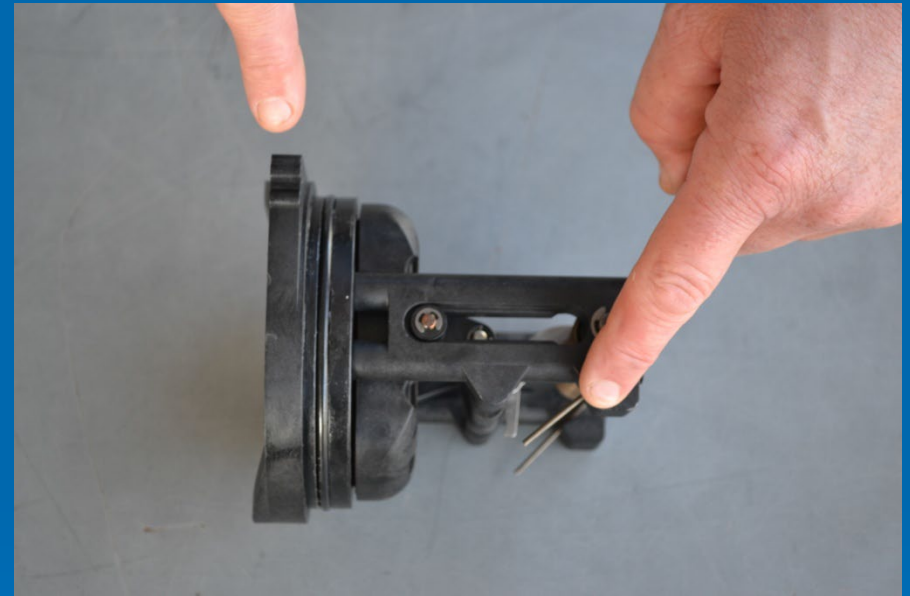
- Note: Proper orientation of the tower and seat is critical for *First* check operation.
- Re-attach the tower to the seat with the spring arms and seat protrusions facing UP.





# Second Check Valve Reassembly

- Note: Proper orientation of the tower and seat is critical for *Second* check operation.
- Re-attach the tower to the seat with the spring arms facing DOWN and seat protrusions facing UP.



# Second Check Installation

Note: check 2 must be installed before check 1.

- Insert check 2 into body with tower pointing downstream.
- Push check into place until o-ring is fully seated.

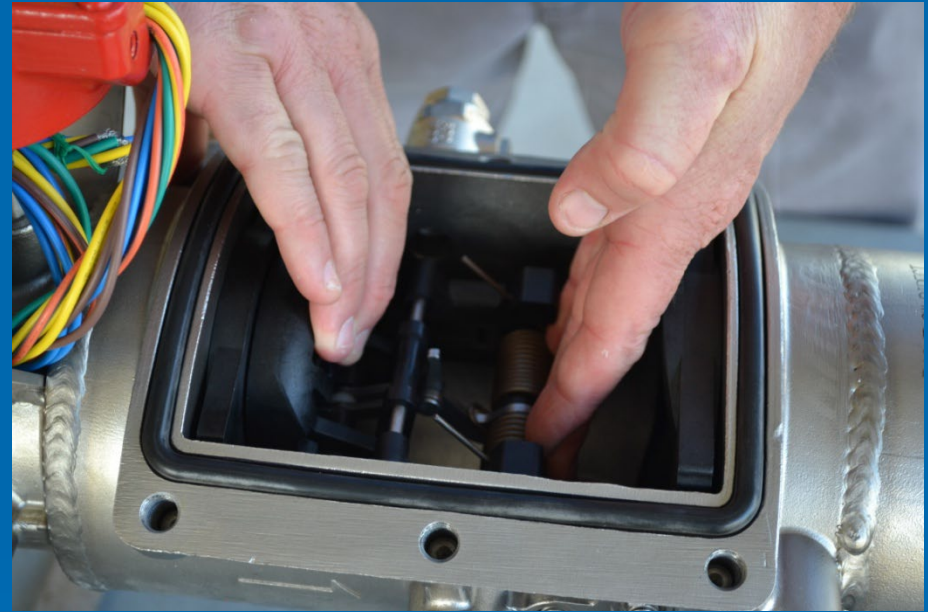


\*\*\* Do not tighten retaining screws until check 1 is installed.

# First Check Installation

Note: check 2 must be installed before check 1.

- Insert check 1 into body with tower pointing down stream.
- Push check into place until o-ring is fully seated.



# Check Valve Reassembly Notes

- Once check 1 and check 2 are fully seated, tighten the 6 retaining bolts on the outside of the body.

\*\*\* Make sure that the retaining bolts do not bind against the check valves.



# Access Cover Reassembly

- Place the access cover on the main body.

\*\*\* Make sure cover o-ring maintains the correct position.

- Insert cover bolts and tapered washers.

\*\*\* Tapered washers are necessary for water tight seal.

- Tighten the cover bolts sequentially and by alternating from side to side.

