

RIDE THE DUCKS INTERNATIONAL
Fleet Operations & Safety
2320 West Highway 76
Branson MO 65616

Bulletin No. SB-00-02-15
Release Date: 2/19/15
Effective Date: 2/19/15
Supersedes: N/A

Applicable to: All Duck with PVC
Bilge Outlet Piping
Total Pages: 4

SERVICE BULLETIN

Reason for release: A new CG inspector brought to our attention, ducks outfitted with PVC bilge discharge piping are not in compliance with CFR 46 [182.510 \(b\)](#) minimum pipe diameter must be 1 inch and [182.530 \(e-7\)](#) A positive shut off valve must be installed and [182.720\(1\)](#) non metallic piping is prohibited from penetrating the hull unless a shut off valve is installed directly at the hull penetration.

- The existing PVC piping installed is not in compliance with 182.510 (b) because the (ID) inside diameter of the PVC pipe is less than 1 inch.
- If the PVC pipe was in compliance with 182.510 the system would still not be in compliance with 182.530 or 182.720 unless a metallic shut off valve is installed at the PVC pipes thru-hull penetration.

In working with the USCG we have resolved this issue by:

1. Complying with 182.510 by replacing all PVC piping with 1 inch diameter stainless steel pipe. See photo [pg. 2](#)
2. Appeal 182.530 - 182.720. Ride The Duck has appealed the requirement of this regulation for the reasons listed in the [Letter of Appeal](#). RTDI Fleet Operations will notify you once the appeal process is completed.

Directions to comply with 182.510

1. Identify how many PVC discharge pipes need to be replaced and communicate the amount via phone to RTDI Parts.
or
2. To have manufactured locally see RTD Drawing [pg. 4](#)
3. To order parts online click on the following links. Note: the stainless steel round flange can not be purchased online. Must be shop built.
 - [Bilge Check Valve](#) The spring must be removed and a stop tab added see details [pg. 5](#)
 - [Stainless Steel Bilge Piping](#)

Installation Instructions:

1. Disconnect the flexible hose and remove existing PVC discharge piping
2. Enlarge the bilge piping hull penetration hole to accept the 1 1/8" (OD) outside diameter stainless steel pipe.
3. Due to the various configurations, fit - up is required prior to welding the round flange to the pipe. Fit up Instructions:
 - a. Slide stainless pipe down the hole
 - b. Slide stainless round flange onto the stainless pipe (flange will bolt or text screw to outer deck). See Photo [pg. 3](#)
 - c. Set the pipe at the appropriate angle necessary to ensure the flange sets flush to outer decking and the flex hose connection can be made. Ensure the installation will not result in chafing of flex hose or rigid pipe.
 - d. With the pipe and flange arrangement set to the appropriate angle, tack weld flange to pipe.
 - e. Remove the pipe from the duck and finish weld on the bench. (use stainless wire mig or stainless tig filler rod)
 - f. Reinstall pipe, apply marine sealant between the flange and deck before bolting down. Connect flex hose with double clamps.
 - At your discretion; In some cases, you may find it more practical to cut the pipe short to (roughly 6 inches long overall) and replace the existing flex pipe with longer hose to reach the shortened pipe.
4. Test for leaks. During testing, the bilge water should force the outlets check valve (i.e. flapper) open and flapper should close (without assistance) once the water is no longer forcing the valve open.

NOTE: Piping system ordered through RTDI Parts department will come with the check valve (i.e. flapper) welded to one end of the pipe and the round flange separate (i.e not welded to the pipe). If manufacturing locally, the spring attached to the purchased check valve must be permanently removed.

NOTE: All work must be performed by qualified personnel. Use only authorized components, specified or provided by Ride The Ducks. All applicable OSHA safety standards and safe industry practices must be observed. Observe all safety information contained in the manufacturers manuals. Make available this bulletin and all related technical information to personnel using the equipment.

[CONTACT US VIA EMAIL](#)
RTDI FLEET OPS HOTLINE: 417 266 7676
RTDI PARTS: 417 266 7626

RIDE THE DUCKS INTERNATIONAL
Fleet Operations & Safety
2320 West Highway 76
Branson MO 65616

Bulletin No. SB-00-02-15

Release Date: 2/19/15

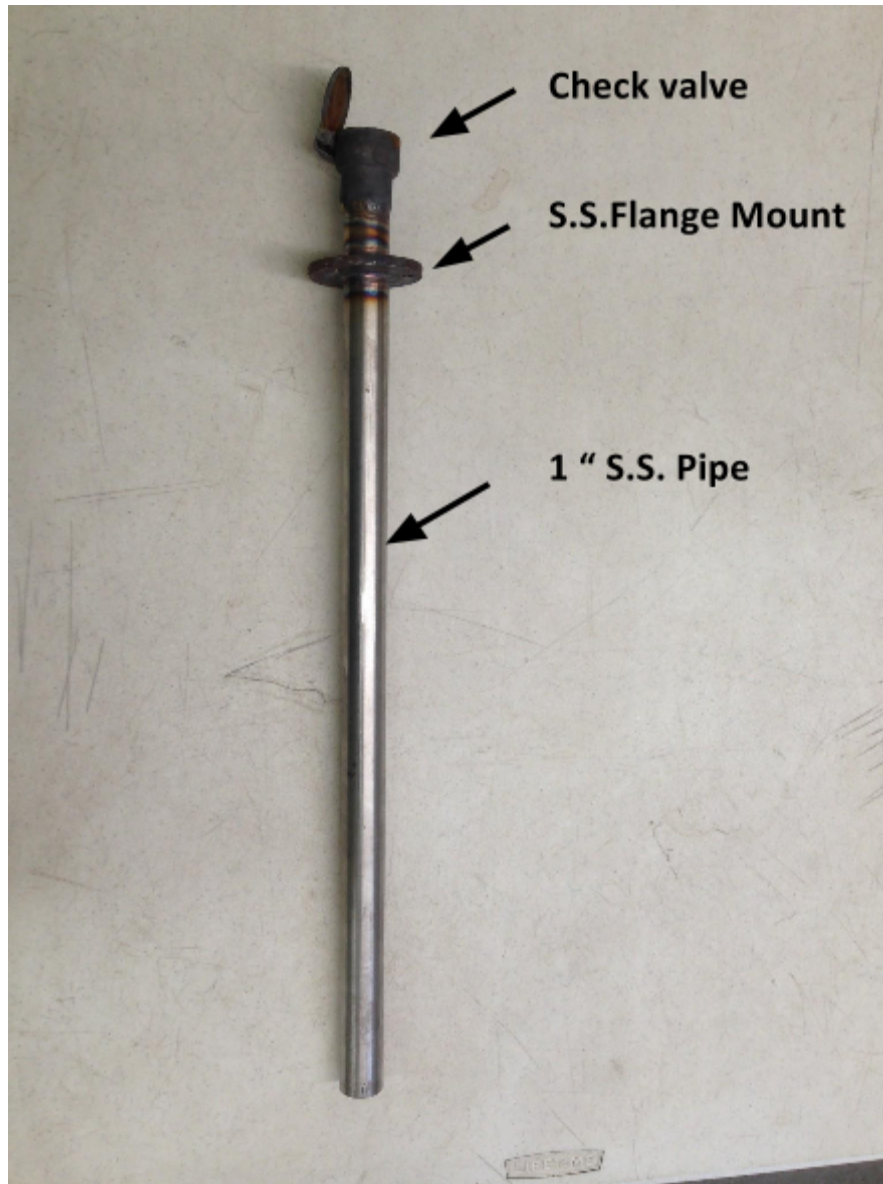
Effective Date: 2/19/15

Supersedes: N/A

Applicable to: All Duck with PVC
Bilge Outlet Piping

Total Pages: 4

Page 2



NOTE: All work must be performed by qualified personnel. Use only authorized components, specified or provided by Ride The Ducks. All applicable OSHA safety standards and safe industry practices must be observed. Observe all safety information contained in the manufacturers manuals. Make available this bulletin and all related technical information to personnel using the equipment.

[CONTACT US VIA EMAIL](#)

RTDI FLEET OPS HOTLINE: 417 266 7676

RTDI PARTS: 417 266 7626

RIDE THE DUCKS INTERNATIONAL
Fleet Operations & Safety
2320 West Highway 76
Branson MO 65616

Bulletin No. SB-00-02-15

Release Date: 2/19/15

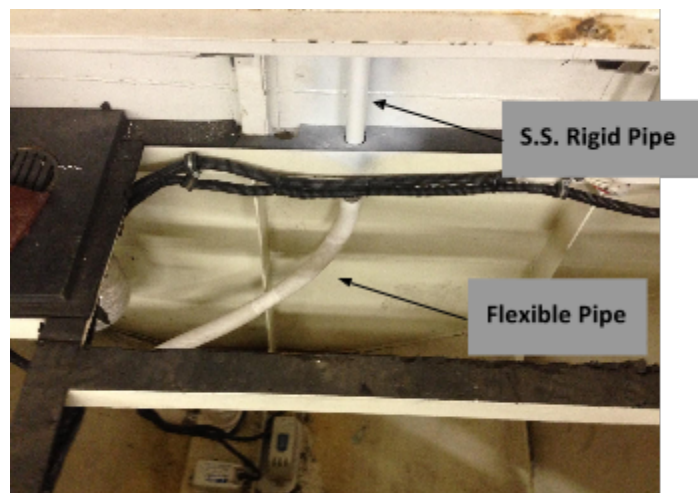
Effective Date: 2/19/15

Supersedes: N/A

Applicable to: All Duck with PVC
Bilge Outlet Piping

Total Pages: 4

page 3



NOTE: All work must be performed by qualified personnel. Use only authorized components, specified or provided by Ride The Ducks. All applicable OSHA safety standards and safe industry practices must be observed. Observe all safety information contained in the manufacturers manuals. Make available this bulletin and all related technical information to personnel using the equipment.

[CONTACT US VIA EMAIL](#)

RTDI FLEET OPS HOTLINE: 417 266 7676

RTDI PARTS: 417 266 7626

RIDE THE DUCKS INTERNATIONAL
Fleet Operations & Safety
2320 West Highway 76
Branson MO 65616

Bulletin No. SB-00-02-15

Release Date: 2/19/15

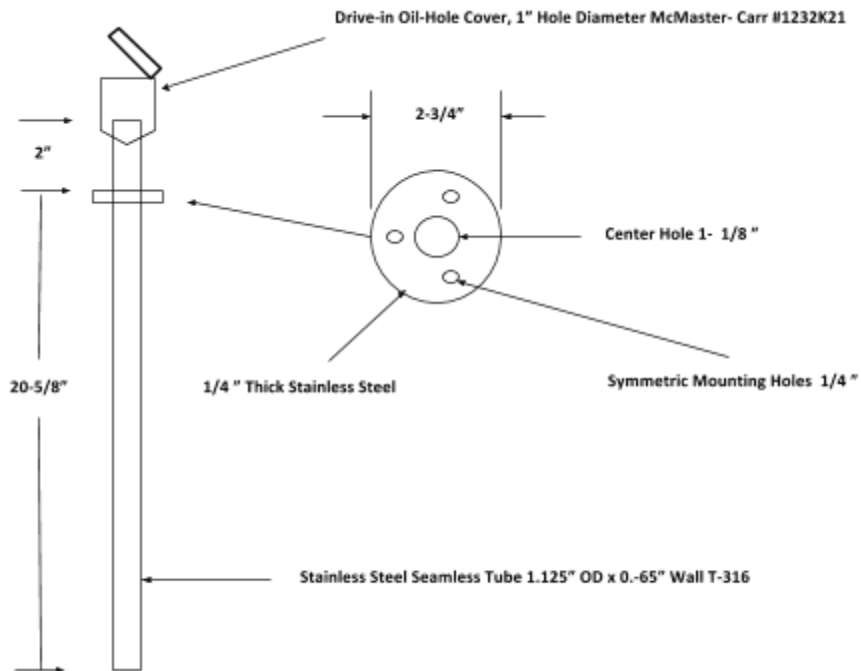
Effective Date: 2/19/15

Supersedes: N/A

Applicable to: All Duck with PVC
Bilge Outlet Piping

Total Pages: 4

page 4



NOTE: All work must be performed by qualified personnel. Use only authorized components, specified or provided by Ride The Ducks. All applicable OSHA safety standards and safe industry practices must be observed. Observe all safety information contained in the manufacturers manuals. Make available this bulletin and all related technical information to personnel using the equipment.

[CONTACT US VIA EMAIL](#)

RTDI FLEET OPS HOTLINE: 417 266 7676

RTDI PARTS: 417 266 7626

RIDE THE DUCKS INTERNATIONAL
Fleet Operations & Safety
2320 West Highway 76
Branson MO 65616

Bulletin No. SB-00-02-15

Release Date: 2/19/15

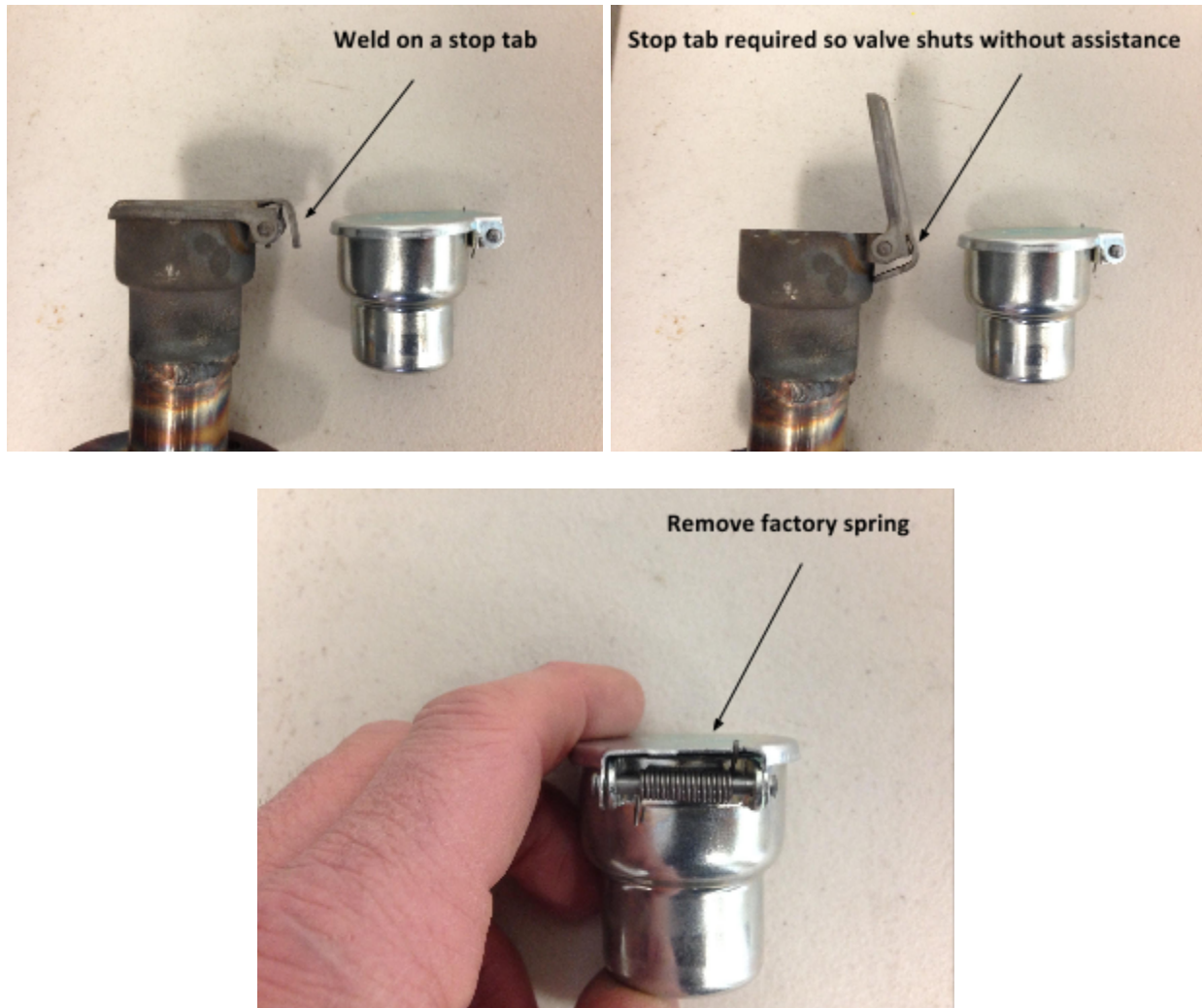
Effective Date: 2/19/15

Supersedes: N/A

Applicable to: All Duck with PVC
Bilge Outlet Piping

Total Pages: 4

page. 5



NOTE: All work must be performed by qualified personnel. Use only authorized components, specified or provided by Ride The Ducks. All applicable OSHA safety standards and safe industry practices must be observed. Observe all safety information contained in the manufacturers manuals. Make available this bulletin and all related technical information to personnel using the equipment.

[CONTACT US VIA EMAIL](#)

RTDI FLEET OPS HOTLINE: 417 266 7676

RTDI PARTS: 417 266 7626