Healy Model 807 Swivel Breakaway

ASSEMBLY INSTRUCTIONS

1. Remove the Shear Screw (item 9) and the packing materials. Separate the halves of the breakaway assembly, retaining the loose internal valve, (item 6) and the spring (item 11) inside the halves.

2. Install the male threaded half of the 807 into the Healy Nozzle. Lubricate the o-ring seals (items 12 & 21) and tighten to 35 to 70 foot pounds. Be sure the vapor tube fitting slides easily into the nozzle before final tightening.

3. Select the delivery hose, lubricate the o-ring seals and straight thread. Assemble the non-swivel end of the Breakaway on the hose. Tighten to 35 to 70 foot pounds. Be sure the valve and spring (items 6 & 11) are in place before final tightening.

4. Carefully fit both halves of the Breakaway together. Utilizing the alignment pin, fully compress both halves and insert the Shear Screw (item 9) and hand tighten. Final tighten to 20 inch pounds. Tools should not be necessary to initially start the screws.

NOTE: SHEAR SCREW INSTALLS 45° FROM SPARE.

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DRIVE-OFF BREAKAWAY RECONNECTION PROCEDURE

Use this procedure to either reconnect or disconnect (reverse order) the Healy 807 Swivel Breakaway as part of Section 1.4 Procedure for Reconnecting Breakaway and Testing Fueling Point after Drive-Off in the Healy Systems Scheduled Maintenance.

TOOLS NEEDED:

- Healy Breakaway Reconnection Clamp, Part No. 795
- 8mm Hex Head Socket
- Torque wrench
- Safety glasses

1. Inspect each half of the separated breakaway for obvious damage to the outer-shell, plastic insert or o-rings; including cracks, chips or tears that may effect reconnecting the two halves.

2. Check the shear pin bushing hole (see Figure 3) located in the half of the breakaway attached to the hose for any part of the pin left behind at separation. A gentle tap on the opposite side of the breakaway should eject the pin.

3. After completing inspection, lightly lubricate the main o-ring on the half of the breakaway that's attached to the hose and the two small o-rings inside the half of the breakaway attached to the nozzle. Any weight motor oil is acceptable.

4. Remove the black handle cover from the nozzle (See Figure 1).

5. Slide the top clamp of the Breakaway Reconnection Clamp above the two flat surfaces on the nozzle (See Figure 2).

6. Slide the half of the breakaway that's attached to the hose onto the bottom clamp of the Breakaway Reconnection Clamp and begin squeezing the grip to slowly bring the two halves together. Check the main o-ring for position as the top and bottom of the breakaway join together (See Figure 2).

7. Align the dowel pin in the top half of the breakaway with the dowel pin guide located in the bottom half of the breakaway (See Figure 3). When dowel pin and guide are aligned, continue squeezing tool grip until the breakaway halves come together (See Figure 4).

Caution: Reconnection can cause a small amount of gasoline to leak out of the breakaway. A towel wrapped loosely around the breakaway can help to minimize fuel spills.
7. Remove the shear pin (#787-1) located in the spare shear pin location of the breakaway and install in place of the original.

8. Torque the shear pin to 20 inch-pounds (~1.5 ft-lbs). **DO NOT OVER-TIGHTEN.**

9. If available, install a shear pin (#787-1) in the spare shear pin location.

10. Remove the Breakaway Reconnection Clamp.

11. Proceed with the tests outlined in Section 1.4 of the Healy Systems Scheduled Maintenance.
The Healy Model 1302 Flow Limiter is designed for installation into the female end of the Healy P/N 807 swivel breakaway before installation of a Healy Systems primary hose. The flow limiter reduces the product dispenser rate to conform to the U.S. EPA 10.0 gpm maximum dispensing limit.

**Installation Instructions**: Lubricate the quad rings and O-ring before assembly with oil or grease. **Do not use pipe sealant or tape on threads or seals.** Install the male end of the flow limiter into the swivel breakaway as shown below and tighten to 35 to 70 ft-lbs. Install the primary hose and nozzle according to their instructions. Make sure all fittings are tight, test for any leaks and check to be sure the flow does not exceed 10.0 gpm with the nozzle fully open (lever held all the way up).

Field replaceable parts are limited to replacement of the Quad Rings or O-ring. There is no maintenance required of the internal parts.