

TROUBLESHOOTING & MAINTENANCE



For more information contact...

WOODFORD MANUFACTURING COMPANY

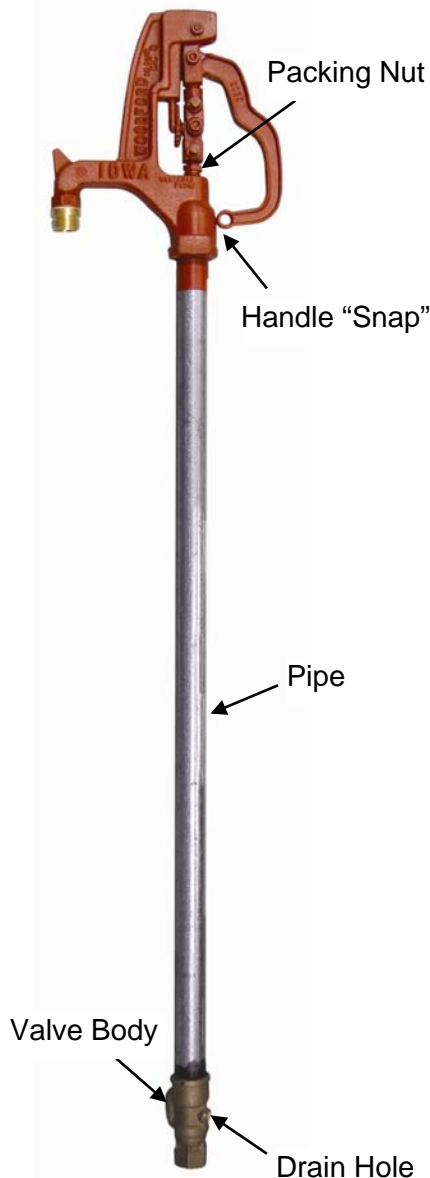
2121 Waynoka Road, Colorado Springs, Colorado 80915 • Phone: (800) 621-6032 • Fax: (800) 765-4115

To view our complete product line visit: www.woodfordmfg.com or email: sales@woodfordmfg.com

A Division of WCM Industries, Inc.

Y34 & Y1 Yard Hydrant

Rev 08/10 Form No. TMYH-1.103



1. Water leaks from the nozzle when the hydrant is off.

- Check the closing force of the handle. If the handle does not “snap” closed at the end of the closing stroke, see [Linkage Adjustment](#) instructions.
- If the hydrant leaks just after installation, the valve seat may be fouled with debris, such as small rocks. The operating pipe assembly will have to be removed and the hydrant casing flushed. See [Operating Pipe Assembly Removal](#) instructions.
- To inspect and/or replace the plunger if it is worn or damaged, see [Operating Pipe Assembly Removal](#) instructions.

2. Water leaks around the brass stem below the handle linkage when the hydrant is on.

- The Packing Nut will occasionally need to be tightened to stop a packing leak. Tighten the Packing Nut until snug and the leak stops. Persistent leaks will require a new Packing #10101. See [Packing Replacement](#) instructions.

3. Water leaks from below ground level when the hydrant is on.

- A small leak may be the result of a leak at the drain hole. Replace the plunger if it is old and worn. See [Operating Pipe Assembly Removal](#) instructions.
- A large leak may be the result of a hole in the pipe casing caused by electrolysis corrosion. Some soil conditions can cause premature failure of the pipe casing near the valve body. Brass pipe is recommended for these conditions. *Contact the factory for details.*

4. Hydrant will not drain when shut off.

- Make sure there are no attachments on the nozzle, such as a hose or vacuum breaker.
- Improper linkage adjustment (not enough tension) may prevent the hydrant from draining properly. See [Linkage Adjustment](#) instructions.
- A poor drain field around the valve body or a blocked drain hole will prevent drainage. See [Yard Hydrant Installation Instructions](#).

TROUBLESHOOTING & MAINTENANCE



For more information contact...

WOODFORD MANUFACTURING COMPANY

2121 Waynoka Road, Colorado Springs, Colorado 80915 • Phone: (800) 621-6032 • Fax: (800) 765-4115

To view our complete product line visit: www.woodfordmfg.com or email: sales@woodfordmfg.com

A Division of WCM Industries, Inc.

Y34 & Y1 Yard Hydrant Linkage Adjustment

To increase or decrease
handle tension.

Rev 08/10 Form No.TMYH-8.103

If the Handle does not "snap" closed approximately 3" from the head casting upon turning off the hydrant, follow the instructions to adjust the linkage and handle tension.

Linkage adjustment can be made with the water supply on by tightening the Packing Nut enough to hold the hydrant closed.

1. Remove the Lower Link Bolt that connects the Lower Link to the Clevis Assembly. Fig 1
2. Loosen the Set Screw in the Lower Link. Fig 1

To increase the tension:

- Lift the handle and disengage the Clevis Assembly. Fig 2
- Turn out the Lower Link (counterclockwise) to lengthen the Clevis Assembly. Fig 2
- Tighten the Set Screw and install the lower Link Bolt. *The Handle, at the end of the closing stroke, should "snap" closed against the Head Casting.* Fig 4

To decrease the tension:

- Lift the Handle and disengage the Clevis Assembly. Fig 3
- Turn in (clockwise) to shorten the Clevis Assembly. Fig 3
- Tighten the Set Screw and install the lower Link Bolt. *The Handle, at the end of the closing stroke, should "snap" closed against the Head Casting.* Fig 4

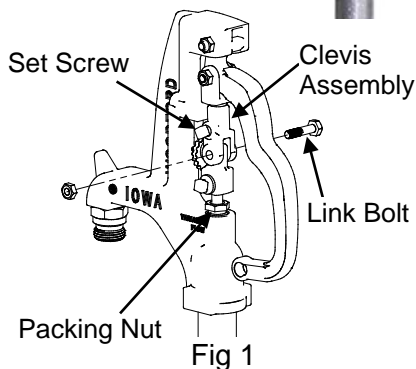


Fig 1

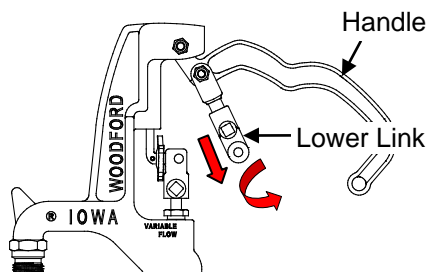


Fig 2

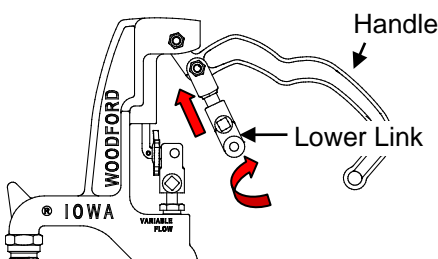


Fig 3

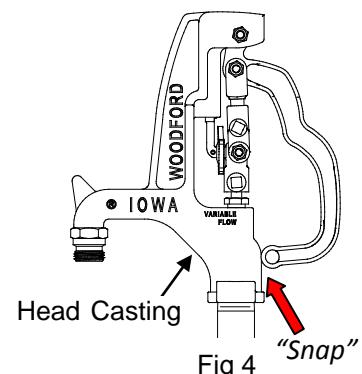


Fig 4

TROUBLESHOOTING & MAINTENANCE



For more information contact...

WOODFORD MANUFACTURING COMPANY

2121 Waynoka Road, Colorado Springs, Colorado 80915 • Phone: (800) 621-6032 • Fax: (800) 765-4115

To view our complete product line visit: www.woodfordmfg.com or email: sales@woodfordmfg.com

A Division of WCM Industries, Inc.

Rev 06/10 Form No.TMYH-10.103

Y34 or Y1 Yard Hydrant Plunger Replacement

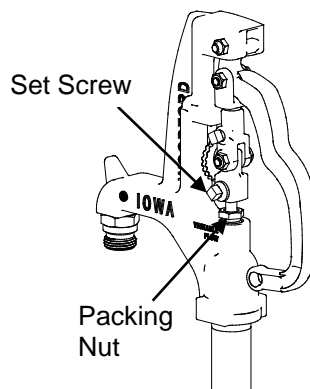
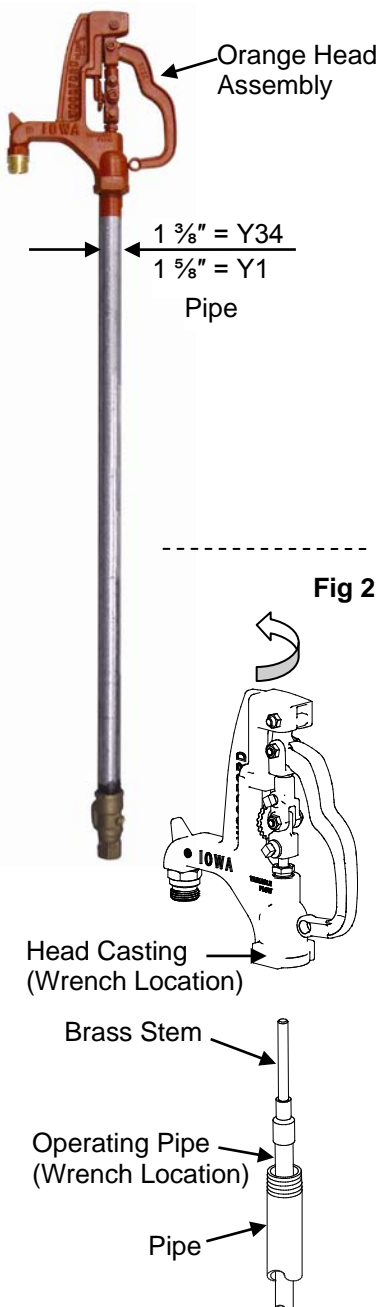
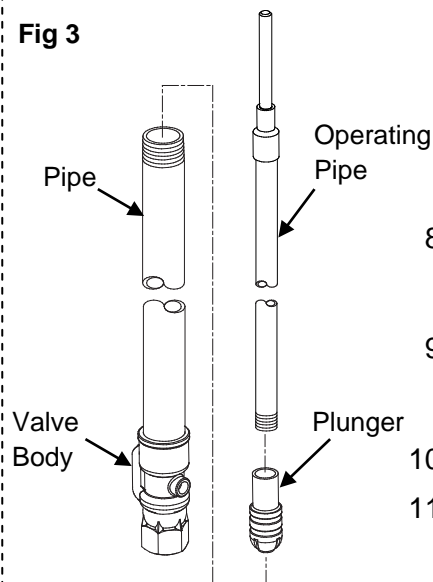


Fig 1

Fig 3



If rocks or other debris are believed to have settled in the Valve Body, causing the Plunger not to seat properly, follow these instructions for inspecting or replacing the Plunger:

1. Shut off water supply to hydrant.
2. Loosen the linkage Set Screw. Fig 1
3. Loosen, do not remove, the Packing Nut. Fig 1
4. Remove head casting using two pipe wrenches, one on head casting and the other on the pipe. Fig 2
5. Remove operating pipe by gripping pipe with vice grips and prying upward. **DO NOT attach vice grips to brass stem. Damage to stem may cause leakage around packing nut.** Fig 2
6. **Turn on water and allow to flow and flush the casing.**
7. Examine plunger for damage and replace if necessary. Fig 4
 - 7a Remove plunger from operating pipe with either pipe wrenches or vise grips.
 - 7b Install new Plunger.
8. Apply a small amount of Silicone grease to plunger to aid the reinsertion into hydrant. (Do not use petroleum based grease).
9. Insert operating rod assembly in hydrant using a mallet or block of wood. Tap rod assembly until plunger is seated in the valve body.
10. Reinstall head assembly.
11. Adjust linkage so handle will snap closed at very end of closing. See ["Linkage Adjustment"](#)

TROUBLESHOOTING & MAINTENANCE



For more information contact...

WOODFORD MANUFACTURING COMPANY

2121 Waynoka Road, Colorado Springs, Colorado 80915 • Phone: (800) 621-6032 • Fax: (800) 765-4115

To view our complete product line visit: www.woodfordmfg.com or email: sales@woodfordmfg.com

A Division of WCM Industries, Inc.

Rev 06/10 Form No.TMYH-13.103

Y34 or Y1 Yard Hydrant Packing Replacement

If a persistent leak is detected after tightening the Packing Nut, follow these instructions for replacing the Packing:

1. Shut off water supply to hydrant.
2. Loosen the Clevis Set Screw. Fig 1
3. Loosen, *do not remove*, the Packing Nut. Fig 1
4. Remove head casting using two pipe wrenches, one on head casting and the other on the pipe. Fig 1
5. Remove the Lever Bolt and remove and set aside the Handle and Linkage Assembly. Fig 1
6. Remove the Packing Nut. Fig 2
7. Dig out the graphite Packing with a screwdriver or other instrument. **Note:** This operation will destroy the Packing and require a new Packing #10101.
8. The Packing Washer #10102 may be reused.
9. Install new Packing #10101.
10. Reinstall the Packing Nut - do not tighten.
11. Reinstall the Handle and Linkage Assembly.
12. Align and carefully reinstall the Head Assembly over the Brass Stem and thread onto the Pipe Casing. **Note:** Turn Head Assembly down enough so the Set Screw in the Bottom Link will engage the Brass Stem.
13. Tighten Packing Nut until water stops leaking.
14. Adjust linkage so handle will snap closed at very end of closing. See ["Linkage Adjustment"](#)

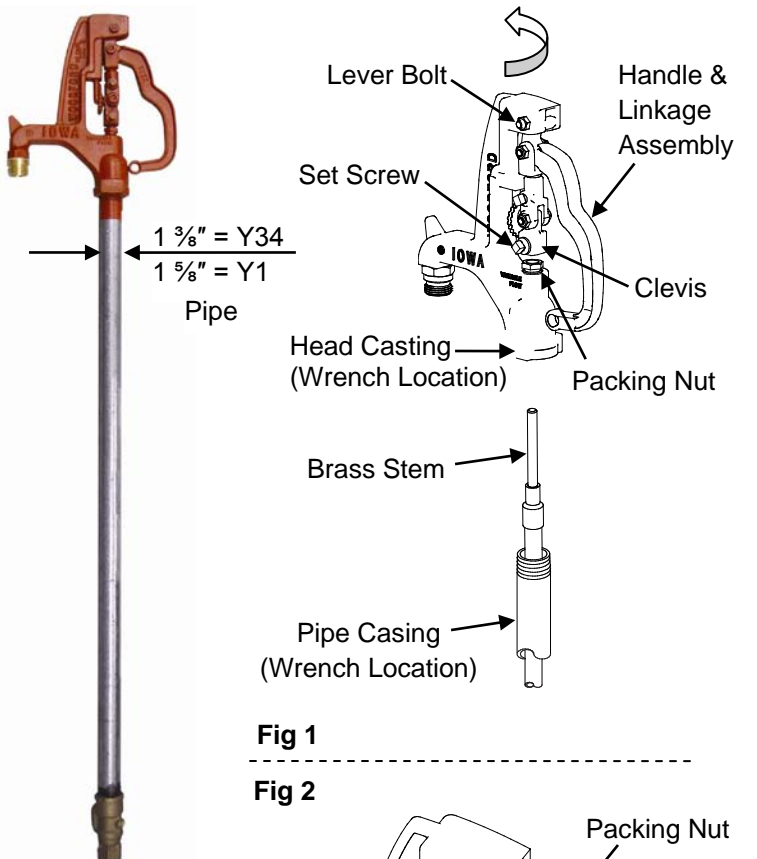


Fig 1

Fig 2

