



## 24571 Wire Replacement Package Installation Instructions

*Aqua-Magic IV High/Low Foot-Pedal Flush  
manufactured after 10/19/92. (Date on Product ID  
Label reads 921019 or higher.)*

### Tools Required

- Phillips Screwdriver
- Flat-Blade Screwdriver
- 7/16" Combination Open-End, Box-End Wrench
- Needlenose Pliers
- Wire Cutters
- Allen Wrench (included in Wire Collar Package)
- Permanent Ink Marker
- Paper Towels (or shop rag to wipe grease)

### Caution

Human waste contains harmful organisms which can lead to serious diseases. Avoid exposure and always wash with an antibacterial soap following exposure. We also recommend safety glasses when working on this and all mechanical projects.

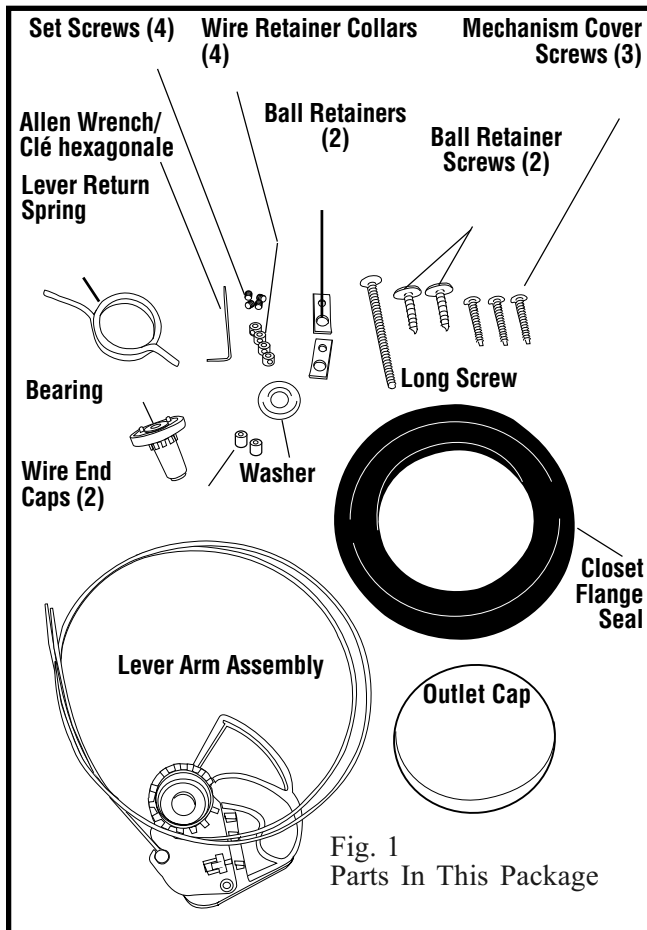


Fig. 1  
Parts In This Package

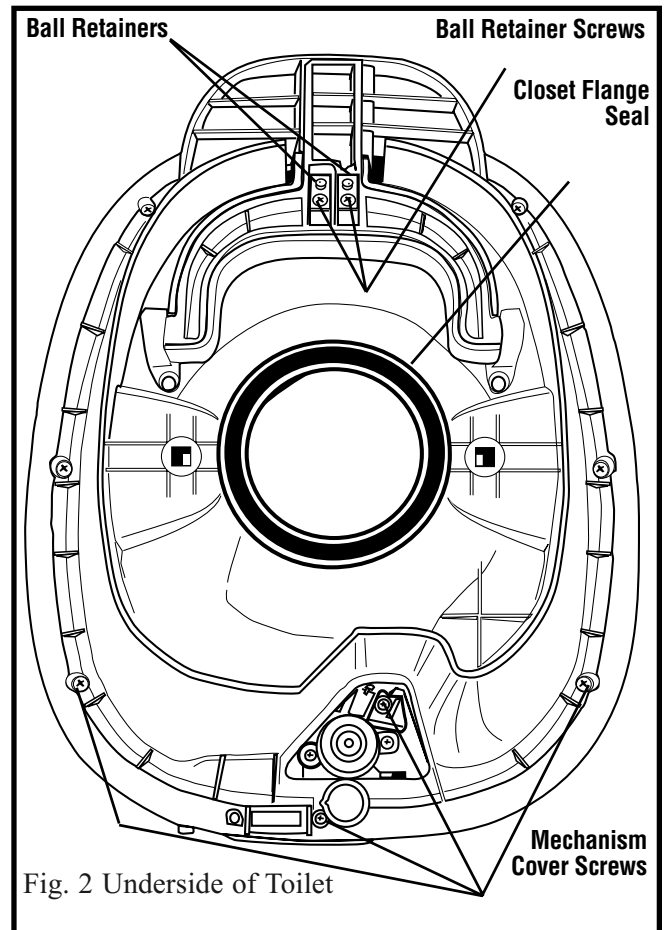
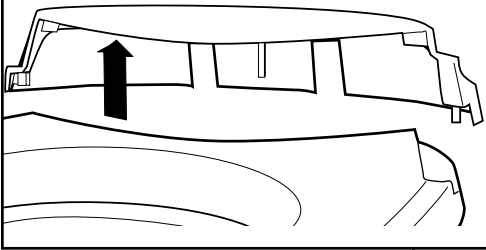


Fig. 2 Underside of Toilet

Fig. 3 – Mechanism Cover



### Section I – Removal Of Toilet From Coach

1. Turn off water supply to toilet (see vehicle Owner's Manual).
2. Disconnect water supply line from water valve in rear of unit (Fig. 5). Carefully loosen fitting on water line avoiding excessive force and bending, which may crack or damage water valve. *Do not use channel locks on Water Valve Assembly.*
3. Remove nuts from closet flange bolts (Fig. 6).
4. Carefully lift and remove toilet from closet flange.
5. Remove and discard Closet Flange Seal. Replace with Outlet Cap.

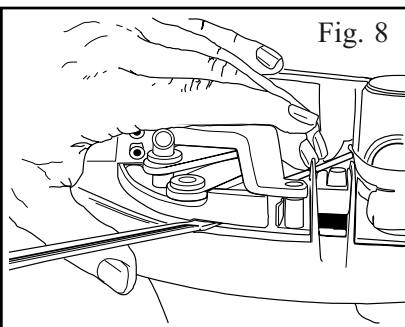
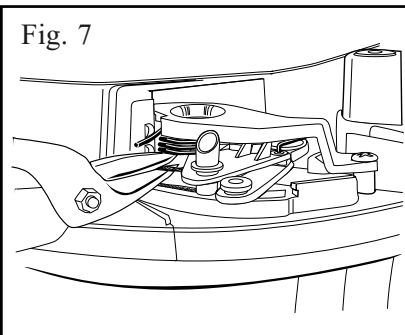
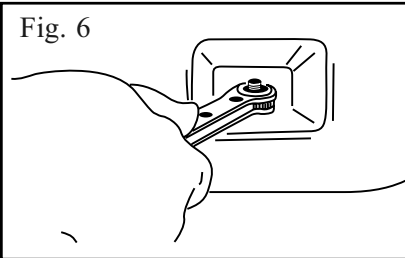
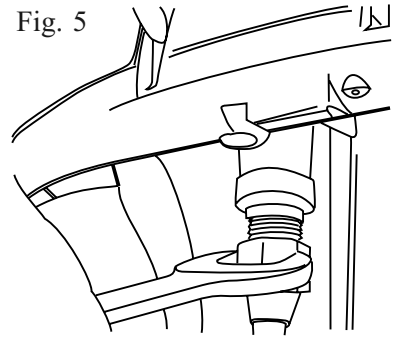
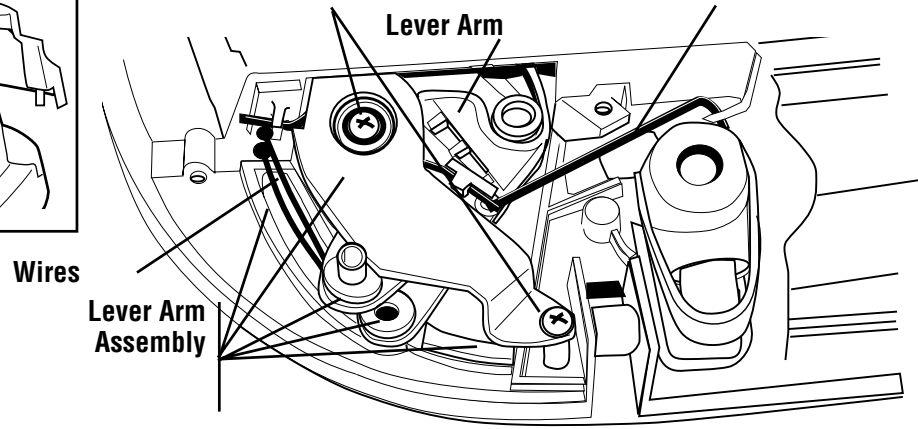
### Section II – Toilet Disassembly

1. Turn toilet upside down with back facing you. Place on a soft surface.
2. Remove 4 Mechanism Cover Screws (Fig. 2).
3. Remove 2 Ball Retainer Screws and 2 Ball Retainers from Foot Pedals (Fig. 2). Turn toilet upright.
4. Remove Seat and Cover (grasping both parts together from front – lifting parts past the normal open position).
5. Remove Mechanism Cover (Fig. 3).
6. Cut 2 wires (Fig. 7).
7. Remove wires by tilting toilet backwards. Pull down on Foot Pedals. Push Foot Pedals back up to expose ball ends of wires. Pull on ball ends to remove wires. Discard. Turn toilet upright.
8. Release Watervalue Drive Link (Fig. 4). Place flat blade screwdriver between underside of Link and top side of Lever Arm Assembly. Pry upward.
9. Remove 2 Lever Arm Assembly Screws (Fig. 4).
10. Remove (and discard) Lever Arm Assembly. Place flat blade screwdriver between Lower Plate of Lever Arm Assembly and flat surface of Bowl. Pry upward (Fig. 8). **Caution:** Spring located in center of Lever Arm Assembly is loaded and can release uncontrollably during this operation. Place a shop rag, etc., over Lever Arm Assembly. Apply slight downward pressure to shop rag while prying up on Lever Arm Assembly.

Fig. 4 – Mechanism (Under Cover)

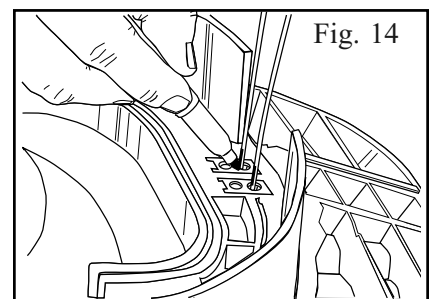
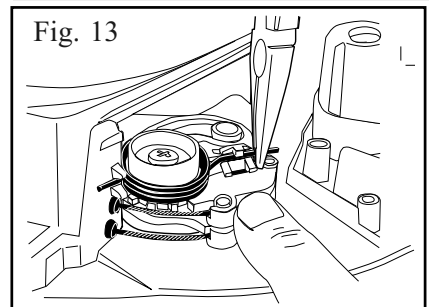
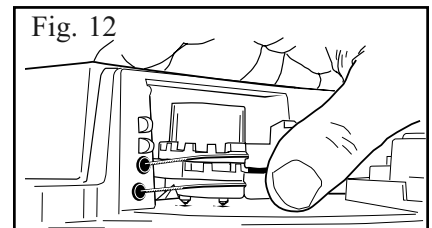
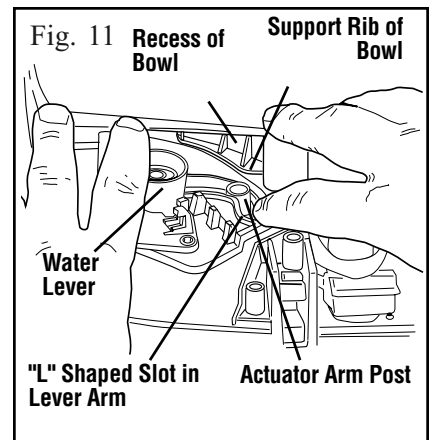
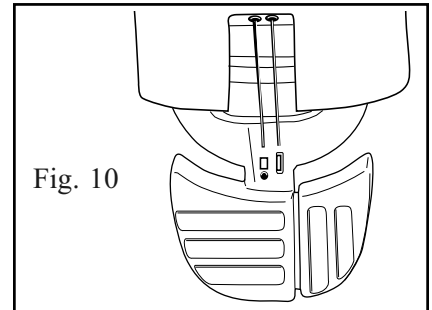
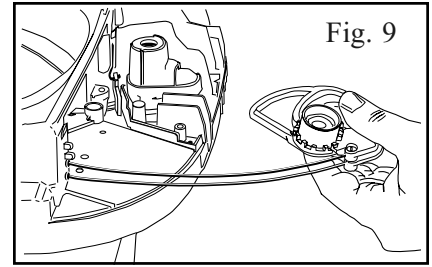
Lever Arm Assembly Screws

Water Valve Drive Link

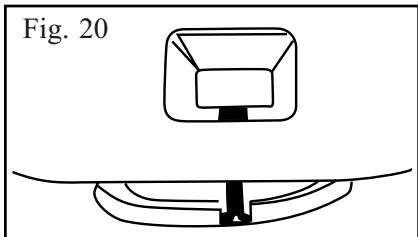
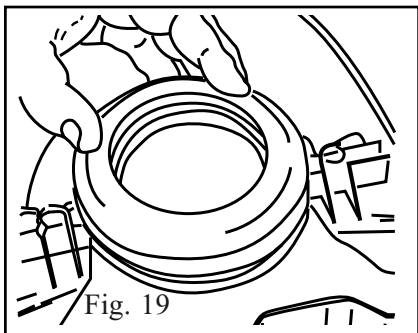
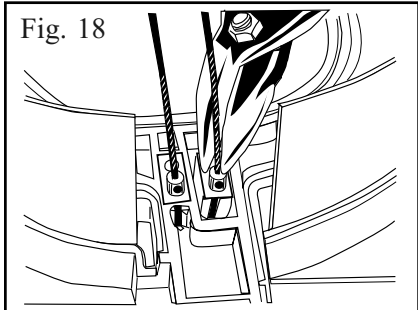
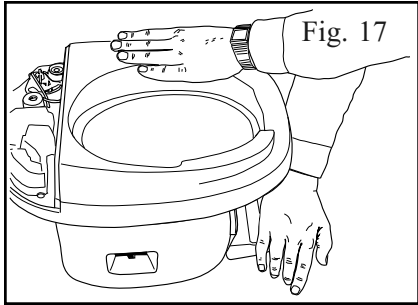
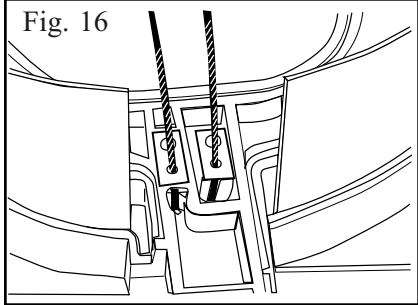
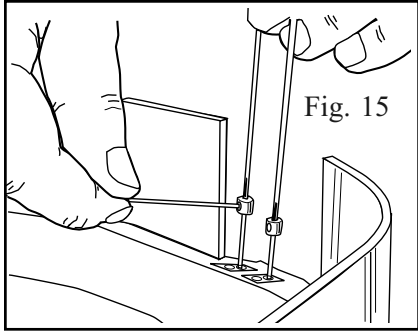


### Section III – Wire Replacement Package Installation

1. Remove Lever Arm Assembly from package. Uncoil wires.
2. Place Bearing (Fig. 1) into underside of Lever Assembly.
3. Feed 2 wires into cable casings located on rear of Bowl (Fig. 9). Before inserting final few inches, place toilet over edge of work surface so pedals hang freely – allow excess wire to feed through bottom of toilet (Fig. 10). *Note: Hold Levers and Bearing together during this process.*
4. Install Lever Arm Assembly by inserting Assembly at an angle into recess of bowl. Place Lever Arm with “L” shaped slot under support rib of bowl (Fig. 11). Align post on Actuator Arm with center of “L” shaped slot. Align pins on bottom of Bearing with holes in top surface of Bowl. Align pointer on Bearing so it points to lefthand side of toilet when looking at rear of product (Fig. 12). Press Lever Arm Assembly into place.
5. Install Washer and Long Screw into top center of Lever Arm Assembly. Tighten securely.
6. Install Lever Return Spring by rotating Lever Arms counterclockwise to blade closed position. Place Spring over raised area of Lever Arm Assembly, with short leg of Spring on top and to left. Rotate Spring so short leg falls between two ribs on rear of Bowl. Using Needlenose Pliers, grasp long leg of Spring and rotate clockwise, hook under spring retainer hook on top Lever Arm (Fig. 13). Turn toilet upside down with Foot Pedals facing you.
7. Install wires into Foot Pedals by rotating Pedals upward (vertical). Guiding wires into larger wire slots in Pedals, rotate pedals downward (horizontal).
8. With a permanent marker, mark wires as shown (Fig. 14). Turn toilet upright with the back facing you.
9. Using an Allen Wrench, assemble (4) Wire Retainer Collars by installing 1 Set Screw into each Collar (Fig. 1).
10. Remove Lever Return Spring. Rotate Lever Arms clockwise to blade's full open position. Turn toilet upside down with Foot Pedals facing you. Reinsert wires into larger wire slots in the Pedals, Step #7.



11. Slide Wire Retainer Collar over each wire. Align bottom of ink mark with top surface of Collar. (You may meet initial resistance and need to "thread" Collar on.) Tighten Set Screw securely with Allen Wrench (Fig. 15). Rotate Lever Arm counter clockwise to blade closed position. *Be sure Wire Retainer Collars seat into ball sockets.* Turn toilet upright with back facing you.
12. Reinstall Watervalve Drive Link and Lever Return Spring. Turn toilet upside down with Pedals facing you
13. Install 2 new Ball Retainers and 2 Ball Retainer Screws onto Foot Pedals. Wire feeds through small hole in Ball Retainer (Fig. 16).
14. Install final 2 Wire Retainer Collars, 1 over each wire. Slide Collar down until it rests against top surface of Ball Retainer. Lift up slightly on Foot Pedals to take up slack in wires. Tighten Set Screw securely with Allen Wrench.
15. Turn toilet upright with pedals hanging over edge of work surface. Test operate several times (Fig. 17). If toilet Blade does not open or close fully, recheck alignment marks from Step #12 and re-adjust 4 Wire Retainer Collars if necessary.
16. Cut excess wire, leaving approximately 1/4" of wire exposed (Fig. 18). *Note: Only cut wires after operation of toilet has been checked and adjustments made.*
17. Place wire end caps onto exposed ends of wires.
18. Reinstall Mechanism Cover, Seat and Cover.



#### **Section IV – Installation**

1. Remove Outlet Cap. Attach Closet Flange Seal on bottom of toilet so inner lip of seal points toward closet flange (Fig. 19).
2. Place toilet on Closet Flange Bolts so bolts project into side access openings at base of toilet (Fig. 20). Using your body weight, press toilet to floor and place Closet Flange Nuts onto Closet Flange Bolts. Tighten until toilet is stable (normally 1-2 turns past finger tight).
3. Install water supply line to water valve. Avoid excessive force when connecting and disconnecting water line. *Note: Do not use channel locks on Water Valve Assembly.*
4. Turn on the water supply. The toilet is now ready for use.

**Questions? Call  
Theford's Customer  
Relations Department  
toll free at  
1-800-521-3032.**