



FAUCET OWNER'S MANUAL

Dear Customer:

Some or all of the faucets in your RV, Manufactured Home or Boat were produced by Phoenix Products, Inc. Our company is a family owned business specializing in faucets for the Recreational Vehicle, Manufactured Housing and Marine applications. This brochure explains your faucet's operation and simple maintenance items that may be required.

All of us work very hard to provide you with the best possible faucet value. If you have problems with your faucet that you and/or dealer can't solve, please contact us. If you are not satisfied with the response of our Customer Service personnel, please feel free to contact me directly. Your satisfaction is our primary goal.

Very truly yours,

A handwritten signature in black ink, appearing to read "Raymond M. Arth".

Raymond M. Arth
President & Chief Executive Officer

Phoenix Products offers two types of faucets: Our premium line with a brass, compression stem and bonnet assembly to turn water on and off and our non-metallic line which uses an all plastic compression stem and bonnet to control water flow. With proper use, both our faucet lines provide years of trouble free service.

A FEW REMINDERS:

With modern plastics and advanced engineering, it is no longer necessary to crank faucets off with great pressure - in fact, overtightening the handle can shorten the life of your faucets. Use average pressure and turn only until water stops. Should a drip develop, turning the knob gently should stop the leak.

The most common repair made by the consumer is the replacement of the seat washer or cartridge. Should a leak develop in your faucet, there are different but simple repair procedures. The replacement of the washer in a stem & bonnet assembly is a simple process. This manual and some repair parts available from your dealer is all you'll need.

If water flow seems low, some faucets are equipped with flow restrictors for water conservation mandated by Public Law 102-486.

PHOENIX PRODUCTS 5 YEAR LIMITED WARRANTY

For a period of five years, Phoenix Products warrants its faucets against defects in material or workmanship, ordinary wear and tear excluded. Special finishes other than chrome are warranted for one year. Should any faucet part or parts thereof prove defective, return the material immediately to: Phoenix Products, Inc., 583 Miller Road, Avon Lake, Ohio 44012. Repair or replacement will be made without charge. **LIABILITY FOR CONSEQUENTIAL DAMAGES UNDER ANY AND ALL WARRANTIES ARE EXCLUDED TO THE EXTENT SUCH EXCLUSION IS PERMITTED BY LAW.** Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Phoenix Products, Inc.

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OPERATION AND

PHOENIX FAUCET FEATURES

The Arth family has been producing faucets in the Greater Cleveland area for over 100 years. We were the first to offer specialized faucet designs to meet the unique needs of the MH/RV manufacturers and a pioneer in the use of plastic materials in plumbing products. Based on all this knowledge and experience we can assure you that the faucets in your RV, home or boat incorporate state of the art design, materials, fabrication and testing techniques.

Most of the faucets we make are produced from plastic components because plastics offer many advantages over metals. The products are highly durable and inert; they won't corrode or oxidize over time. Plastics are more resistant to chemicals and hard water environments than copper or brass without the concerns related to lead. And today we have access to a wide variety of highly specialized plastic resins to meet the varied performance requirements for a durable faucet.

Our premium faucet line features a brass compression stem and bonnet valve and an optional renewable seat. Our standard line uses a plastic compression stem and bonnet and a solid seat molded into the underbody. The compression stem and bonnet is a very durable design that tolerates particulate matter in the waterlines (e.g. construction debris or mineral flakes from a well) that will cause leaks and other problems in many washerless designs. Add the optional renewable seat to the design and there is never a reason to replace a faucet; an important consideration for wall mount tub and shower valves where there is no access.

The exposed faucet trim is molded from a special plating grade ABS resin and chrome plated using a specially modified electro-plating process. The durable chrome finish is comparable to plated metal trim. Color options and special finishes like polished brass are also available to meet the preferences of designers and consumers.

CARE AND CLEANING INSTRUCTIONS

Many of the bathroom cleaners in use today contain aggressive chemicals and abrasives for the purpose of removing soap scum and stains from porcelain, enamel, and ceramic tile surfaces. Often these cleaners are also used to clean the chrome, polished brass, or other finishes on faucets, showerheads and other bathroom accessories. Depending on the particular abrasive or chemical, application to these products may result in either immediate or long-term damage or even removal of the finish. Please be aware that unintentional splashing or overspray of cleaners can be as harmful as deliberate application.

Phoenix Products, Inc. recommends cleaning by wiping with a soft, damp cloth or towel.

General comments on the potential effects of various types of cleaners are noted below:

- * **Foaming Cleaners**- may cause crazing or cracking of acrylic handles and plastic parts. Repeated use may cause softening of protect five organic overcoats on polished brass finishes.
- * **Bleach**- may cause long term corrosion damages to finishes.
- * **Solvent Stain and Spot Removers**- may cause cracking of plastic parts, damage to finishes.
- * **Cleaners with Alcohol**- may cause cracking in acrylic handles, other plastic parts.
- * **Tile/Grout Cleaners**- these will remove finishes.
- * **Lime Removers**- typically contain either phosphoric or hydrofluoric acids, which remove finishes.
- * **Abrasive Cleansers**- even mild ones, will remove chrome, brass, or any other finish. At first the finish will become dull and scratched.

MAINTENANCE

COMPRESSION FAUCETS

The compression stem and bonnet design for faucets has been the standard in the plumbing industry for years. When you close the faucet, a rubber seat washer is compressed against a seat in the body to shut-off the water flow. There is some tendency to overtighten the handle when shutting off the water, which can cause unnecessary wear. For the longest life, close the faucet only until water stops.

SHOULD A LEAK DEVELOP

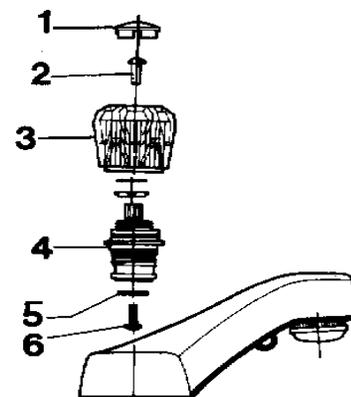
Leaks can be caused by debris in the water line that prevents the seals from closing completely. Turning the faucet full on and off several times may flush out the small item(s) lodged in the faucet. If the problem persists, you should dismantle and check the faucet following these steps.

- 1) ALWAYS TURN OFF THE WATER SUPPLY. Open the faucet lines to relieve anyline pressure.
- 2) Unsnap the HOT and COLD index button (#1) on the handle.
- 3) Remove the handle screw (#2) using a Phillips screwdriver.
- 4) Lift off the handle. (#3).
- 5) With a blade screwdriver, gently pry up the bonnet lock washer and lift the bonnet lock off the stem and bonnet.
- 6) Unscrew the brass stem and bonnet assembly (#4) counter-clockwise with an a 3/4" 6 pt. (or 12 pt.) deep socket.
- 7) Check for debris (small stones, gravel, etc.) in the faucet body and remove it by flushing with water or brushing it out with a small brush.
- 8) Check the seat washer (#5) for wear or damage. If the washer is cut or worn, you can temporarily repair the faucet by removing the seat screw (#6) and turning the washer upside down and replacing it.

It is helpful to use the faucet handle as a holder for the stem when unscrewing the seat screw. If the seat washer is worn, cut or hardened, it should be replaced. A replacement seat washer in a Trade Size No. 00 (a 1/2" diameter seat washer) is available at any hardware store.

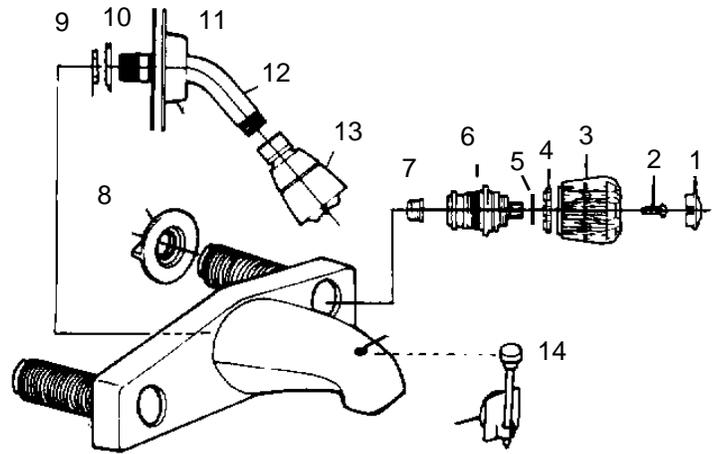
NOTE: There may be a solid brass or a plastic renewable seat in the base of the faucet. If there is a hex-shaped hole, it is renewable and can be replaced. Check the surface of the seat, it should be smooth. If nicks and scratches are present, the renewable seat can be replaced. Replacement seats are available through your dealer or local hardware store. Phoenix Part No. 40-12-1 for plastic faucets or use part no. 40-1 for brass faucets. Streamway part no. 108-25 can also be used in brass faucets only. A 5/16" Allen wrench is used to remove and install brass renewable seats, and a 1/4" for plastic. Use caution in aligning the threads when re-installing.

9) You are ready to re-assemble the faucet now. Threads on the bonnet assembly and on the stem body can be stripped by cross-threading or overtightening. Be sure to align the threads back into the body by gently turning counter-clockwise until the threads match. Hand tighten in a clockwise direction, until assembly is snug in the body, then tighten 1/2 turn more. Test for leaks by turning on water. If there are further leaks, retighten 1/4 turn. DO NOT OVERTIGHTEN. Reinstall bonnet lock, shoulder down, with 12 pt. opening engaged with stem and bonnet hex. Reinstall bonnet lockwasher making sure the outer diameter is underneath all four tabs of the shield. Reinstall the handle, handle screw and button in the opposite manner they were removed.



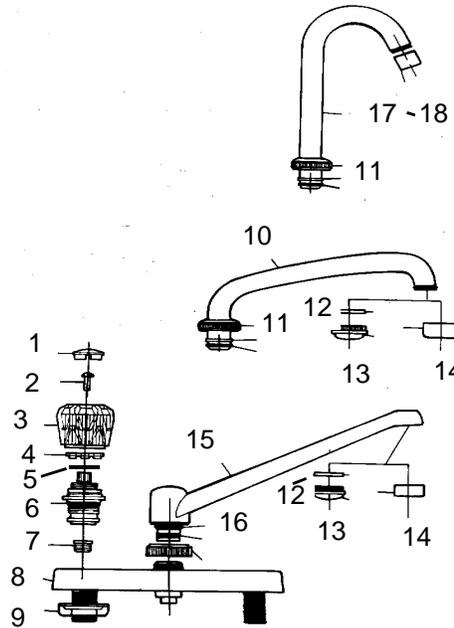
Exposed 2 Valve Diverter & Tub Filler - 8" Centers

Key	Part No.	Description
1	40-16	Button, Index, Clear (H or C)
2	40-2H	Screw, Handle
3	6-40-9-16	Handle, Clear (H or C) w/ Button and Screw
4	40-5-8	Collar Lock
5	40-5-3	Washer
6	41-5-0	Stem & Bonnet
7	40-12-1	Renu Seat
8	40-11	Locknut, Plastic 1/2"
9	40-11-1	Locknut, Zamak 1/2"
10	40-18	Metal Crimp Washer 1/2"
11	60-10-8C	Flange Shower Arm, CP.P
12	60-10C	Shower Arm, C.P.
13	34-1/2"	Showerhead, 1/2"
140	6-48-1-0	Clapper Ass'y



Ledge Faucets - 8" Centers

Key	Part No.	Description
1	40-16	Button, Index, Clear (H or C)
2	40-2H	Screw, Handle
3	6-40-9-16	Handle, Clear (H or C) w/ Button and Screw
4	40-5-8	Collar Lock
5	40-5-3	Washer
6	41-5-0	Stem & Bonnet
7	40-12-1	Renu Seat
8	54-12PC	Shield
9	40-11	Locknut, 1/2" Plastic
10	50-78A-0	Spout, 8" Tubular, C.P.
11	P50-11C	Nut, Spout, C.P.
12	50-13-3	End Trim Washer
13	6-50-13-0	End Trim Assembly
14	50-19C	Aerator
15	52-78A-0	Spout, 8" Decorative, C.P.
16	P52-11C	Nut, Spout, C.P.
17	56-76-0	Bar Spout, 6"
18	56-79-0	Bar Spout, 9"



Lavatory Diverter - 4" Centers

Key	Part No.	Description
1	40-16	Button, Index, Clear (H or C)
2	40-2H	Screw, Handle
3	6-40-9-16	Handle, Clear (H or C) w/ Button and Screw
4	40-5-8	Collar Lock
5	40-5-3	Washer
6	41-5-0	Stem & Bonnet
7	40-12-1	Renu Seat
8	40-11	Locknut, Plastic 1/2"
9	40-12-16	Button Shield
10	50-13-3	End Trim Washer
11	6-40-13-0	End Trim Assembly
12	50-19C	Aerator
13	44-13	"D" Spud- For laundry diverter only

