

DETERGENTS You cannot use soap or soap powders. Always use a Liquid Detergent.

If your DISHMASTER® does not draw suds properly at the Brush, follow the instructions in front of manual, under heading of Back-Flushing.

HOSE ASSEMBLY NO. 254 The Hose Assembly is constructed of the finest materials available, and with proper use and care will last a number of years. Your DISHMASTER® is designed so this Hose Assembly can be replaced with a minimum amount of effort (Complete installation instructions are included with assembly). The only care required for the Hose is to keep the outside clean and never use anything but Liquid Detergents.

BRUSHES Your All-Nylon Brush is a Nylon Dish Cloth with a built-in scraper which will give you many months of service with proper use and care. To clean the Brush you merely flatten it out against the bottom of your sink and run hot suds through it. If your brush becomes discolored or grease coated, a little bleaching type cleanser such as Ajax, etc., will remove all grease and discoloration. Nylon Brushes are replaceable at a nominal cost. (There are also available white Nylon Brushes, vegetable cleaning brushes and Heavy Duty Pot and Pan Brushes). (See Pages 5 & 6) To remove the Brush, you merely turn the Brush 1/4 turn to the left and pull off. To put the Brush on, you engage the two lugs on the inside of the Brush into the slots in the Brush Adaptor and turn 1/4 turn to the right.

Special Care Instructions

WARNING: Do not use any cleaning solutions on this product other than mild soap and water. Use of commercial or industrial strength cleaning solutions will destroy this DISHMASTER®S® finish and may chemically weaken its plastic parts. Such action could further cause the product to fail mechanically. Decorative finishes are delicate and require special attention to ensure their beauty. Clean your DISHMASTER® only with mild soap and water. Do not use abrasive or industrial strength cleansers on this product.

“LIMITED”

Manufacturer's Warranty

We warrant that this “DISHMASTER”® has been thoroughly checked and water tested before shipment, and to the best of our knowledge, is free of mechanical and material defects. Should defects due to faulty material or workmanship under normal installation, use, and service develop within THREE (3) YEARS from the date of purchase, we, the manufacturer, will furnish you, at no charge, the necessary parts to replace said defective part or parts. We will not be responsible for any product damage due to installation error, product abuse, adverse water conditions or product misuse, whether preformed by a contractor, service company, or yourself.

This warranty does not include rubber parts, brushes or decorative finishes. THIS WARRANTY IS LIMITED TO DEFECTIVE PARTS REPLACEMENT ONLY, LABOR CHARGES AND/OR DAMAGE INCURRED IN INSTALLATION, REPAIR, OR REPLACEMENT, AS WELL AS, INCIDENTAL AND CONSEQUENTIAL DAMAGES CONNECTED THEREWITH ARE EXCLUDED.

Some states do not allow the exclusion or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

KEEP YOUR SALES SLIP TO ESTABLISH DATE OF PURCHASE.

NOTE: For any and all concerns related to the installation and operation of your DISHMASTER®, contact the manufacturer.

This Warranty applies to the United States of America ONLY. All “Foreign Countries” contact your Local Dealer or Importer for your Warranty Rights & Procedures for Any necessary service.

SilverStream LLC. Bloomington, IN, USA

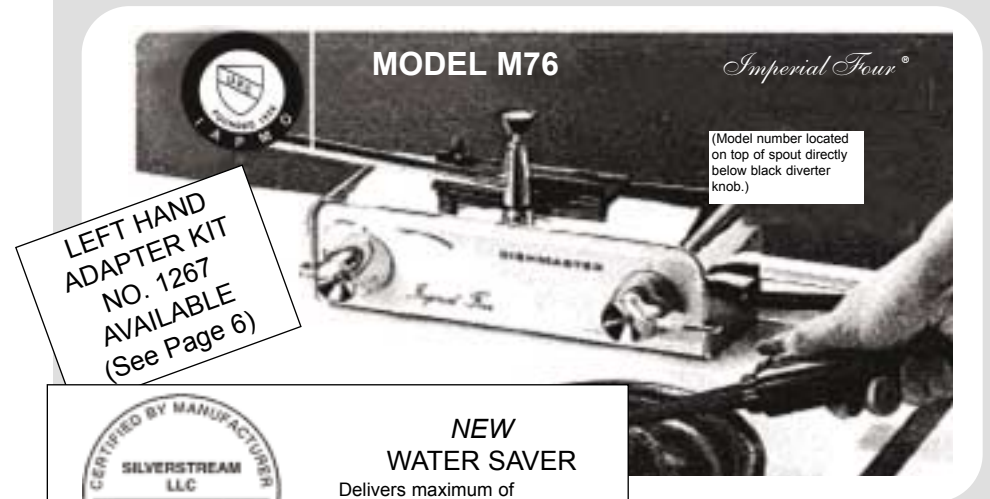
A PRODUCT OF – SILVERSTREAM LLC – BLOOMINGTON, INDIANA 47404-2601

Manufactured under one or more of the following PATENT, DESIGN AND REGISTRATION NUMBERS:

4183501, 4187875, 1093183, 1611041, 130034, 189179, 253770, 406702, 548100, 551034, 555937, 873274, 730562, 732950

DISHMASTER®

INSTALLATION AND OPERATION INSTRUCTIONS



NEW WATER SAVER

Delivers maximum of 2.2 gallons per minute at 60 pounds per square inch. ANSI A112.18.1M



● **ADD**
Add a tablespoon of detergent to tank. Fill with warm water.



● **LIFT**
Lift diverter knob to direct water flow from faucet to brush.



● **PRESS**
Press red detergent button for suds, release for clear rinse.

The Energy Efficient Dishwasher

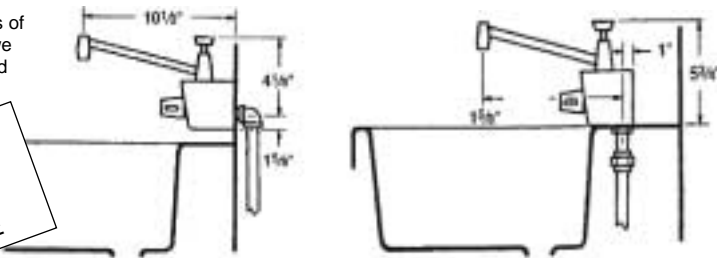
Made in USA by
SILVERSTREAM LLC
BLOOMINGTON, INDIANA
WWW.DISHMASTER-FAUCET.COM
812.334.0766 FAX: 812.334.0762



FOR INFORMATION OR SERVICE ADVICE CALL TOLL FREE 1-800-521-9234

DISHMASTER® Model M76 INSTALLATION INSTRUCTIONS

There are 2 general types of sink installations, which we refer to as "Wall Type" and "Deck Type," as pictured.



Wall type sink shown.
Water pipes come out through wall.

Deck type sink shown. Water pipes
come up through top of sink.

**LEFT HAND
ADAPTER KIT
NO. 1267
AVAILABLE**

APPROXIMATELY 95% OF ALL SINKS ARE STANDARD 8-INCH CENTERS AS SHOWN ABOVE

8-inch measurement is taken from center to center of the water pipes at the point where they come through the wall or sink top.

Both wall mounting and deck mounting fittings are included.

(Keep the fittings you do not use in case you change your type of sink later.)

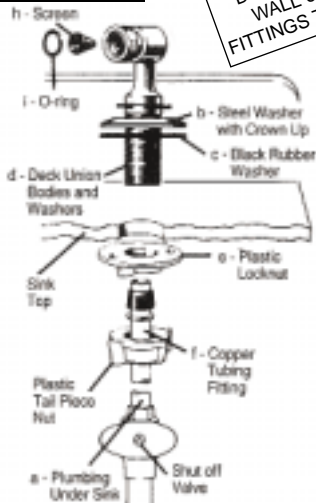
By using only a Screw Driver and Pliers, the Rubber Seals and O-Rings will give you the Most Dependable Seals Possible. (A "Plumbers' Basin Wrench" is available at nominal cost from hardware stores if required for the removal of your old faucet nuts under sink.)

Read Complete Instructions on Page 1 and 2 before Starting Installation

- ① Turn off your Hot and Cold water lines under your sink. (If you do not have shut-off valves under your sink, you must shut off your water at your pump or meter.)
- ② If you do not have Shut-Offs under your sink, we recommend you install them while making this installation.
- ③ Remove your present water faucets from your sink.
- ④ Install the Wall or Deck type fittings onto your sink and water pipes using the following precautions:

DECK INSTALLATION "ONLY"

**CAUTION
DO NOT SCREW
WALL & DECK
FITTINGS TOGETHER**

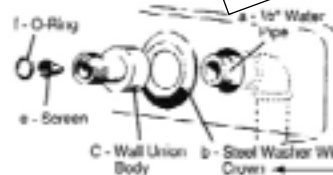


- a - If the plumbing under your sink is 1/2" galvanized iron pipe it must be reduced to 3/8", 7/16" or 1/2" O.D. copper tubing. There are two types of standard fittings available at plumbing departments and shops for this conversion, if needed. Shown at the left is plain copper tubing with a friction washer and rubber seal. (Not shown - also available are flexible and rigid tubing with a ball or seal attached.)
- b - Place Steel Washers onto Deck Unions with Crown Side Up.
- c - Place Large Black Rubber Washers over Threads Up Under Steel Washers as shown.
- d - Put Deck Union Bodies down thru holes in sink.
- e - Screw Plastic Lock Nuts onto Deck Union Bodies under sink until they touch sink. "Do Not Tighten"
- f - Connect the Copper Tube Fittings onto bottom of Deck Union Bodies. (It is optional whether you use the Plastic Tail Piece Nut furnished with our Unions or Brass Nuts if part of your fittings).
- g - Complete Operation No. 5 on page 2 to flush pipes.
- h - Push Screens into top of Unions with thumbs.
- i - Push O-Rings into grooves on front of Deck Union Heads with thumbs.
- j - Complete Operation No. 6 and 7 on Page 2, then adjust complete Assembly straight on sink and tighten Plastic Lock Nuts Letter e under sink with pliers.
- k - Chrome Plated Sink Hole Covers are available at plumbing and hardware departments of stores for covering extra holes not used on your sink. (Keep the Wall Type Fittings included with this Unit in case you change your sink type later).

INSTALLATION INSTRUCTIONS (Continued)

WALL INSTALLATION "ONLY"

**"CAUTION"
DO NOT SCREW
WALL & DECK
FITTINGS TOGETHER**

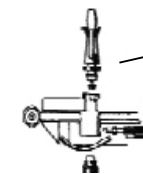


- a - The Wall Fittings have a standard 1/2" pipe thread and screw directly onto your 1/2" galvanized water pipes. Use pipe compound on the threads when making this connection.
- b - Place the Steel Washers over the shoulder of Wall Union Bodies as shown with Crown toward Body.
- c - Screw the Wall Union Bodies onto your 1/2" water pipes with a pipe wrench or channel lock pliers. Be sure you keep the Steel Washer over the shoulder of the Body when tightening against wall. When tread tightens, adjust unions so they are 8" center to center and are horizontally straight with sink.
- d - Complete Operation No. 5 below to flush pipes.
- e - Push Screens into front of Unions with thumbs.
- f - Push O-Rings into grooves on front of Unions with thumbs.

- ⑤ Before attaching the DISHMASTER® to the unions, flush pipes of all chips and foreign matter by turning on the water momentarily, being careful not to spray water over your kitchen. (Hold a pan or towel over the unions while performing this operation.) (Screens must NOT be in Unions when flushing pipes.)

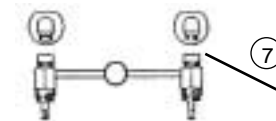
- ⑥ Disassemble the Handles, Cover and Tank as follows:

- a - Remove Screws and pull Handles forward to remove
- b - Unscrew Largest Knurled Rings & pull Large Chrome Cover forward to remove
- c - Push out to remove Hose Assembly from Cover



**LEFT HAND
ADAPTER KIT
NO. 1267
AVAILABLE**

- d - Pull to remove Clear Plastic Tube from Hose and Tank. With Spout pointing straight forward, lift Tank up to remove.



- ⑦ Be sure O-Rings and Screens are in place in Union Heads (see picture at top of page), then connect the Valve Body onto the Unions. "DO NOT" over tighten the "UNION NUTS." Finger tighten or "Very Lightly Snug" with pliers only. "DO NOT" use wrench as O-Ring Seals are used.

- ⑧ Turn water on and check all connections for any possible leaks. If a leak appears at these connections, remove Body and check for foreign matter under O-Rings and tighten Inserts in Union Nuts with a Large Screw Driver being sure the Nut swivels freely when Insert is tight.
- ⑨ Replace the Detergent Tank and reconnect the plastic tube.
- ⑩ Now reassemble the Cover, Front Panel and Brass Rings.

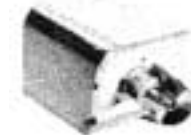
HOW TO ADJUST POSITION OF HANDLES ON FAUCET STEMS TO ACHIEVE CORRECT PRESSURE ON VALVE SEALS.

- ⑪ The Handles are equipped with built-in stops to eliminate unnecessary pressure being put on the Valve Bib Washers when closing the Valves. When the Handles are properly set, this stop will greatly increase the life of your Bib washers.

- Set the Handles as follows: Set each Handle separately.
- a - By using the Handle, open the Valve and close it slowly until the water flow stops.

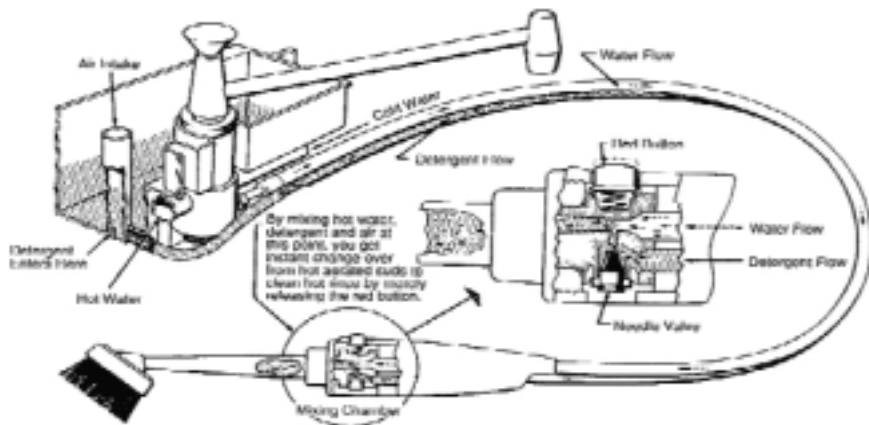
DO NOT CLOSE IT BEYOND THIS POINT

- b - Pull out on the Handle to remove it from the Valve.
- c - Replace the Handle on Valve Stem with the lever next to the stop as shown.
- d - You will note that the end of the Valve Stem is serrated or notched. Slowly pull the handle out about 1/4 inch or until it is disengaged from the Stem and turn the lever on the Handle away from the stop one notch then push the handle back onto Stem. This setting will give the proper amount of squeeze on the Valve Bib Washer.
- e - Now fasten the Handles on by using the Valve Handle Screws.



Your DISHMASTER® is Now Ready For Use. Follow the Operating Instructions on Next Page.

GENERAL CONSTRUCTION AND OPERATING PRINCIPLE OF YOUR DISHMASTER®



Your DISHMASTER® has a Double or Figure 8 Hose which carries hot water and detergent to an All-Nylon Brush with a Built-in scraper, through a heat resistant Nylon Handle which has a Push Button that gives instant automatic control over clean hot suds and clean hot rinse for each and every dish.

YOUR DISHMASTER® IS DESIGNED TO USE DETERGENTS ONLY. DO NOT USE SOAPS OR SOAP POWDERS. ALWAYS USE A LIQUID DETERGENT AND USE ONLY ONE TABLESPOONFUL TO A TANK OF WATER.

- 1 Remove the Tank Lid and pour one tablespoon full of LIQUID DETERGENT* into the Detergent Tank, then fill the remainder of the tank with warm water, using a glass or cup. Do not spray the water into the tank.

* Any name brand liquid detergent will work in your DISHMASTER®. However, we recommend you use the new "DISHMASTER® Liquid Detergent" as it is developed especially for use in your DISHMASTER®. (See Page 6)

- 2 Turn on the Hot Water Valve and allow to run a few seconds or until it reaches full heat, then reduce the flow and adjust with the Cold Water Valve to obtain the water flow and temperature from the Spout desired for washing dishes.
- 3 Pick up the Dishwashing Handle and pull up on the Black Knob on the Spout to direct the Water through the Brush.
- 4 Direct the water spray onto your dishes and press the Red Button for suds; release the Red Button for clear hot rinse.
- 5 When finished washing dishes, turn off your faucet valves and replace the Dishwashing Handle into its holder in back of the spout. The Holder is spring loaded to hold the Brush Handle in place. The Taper Tube will snap in or out of the Holder with little effort. See picture on Back Cover for correct position of Spray Handle and Brush. Note – the Black Knob on top of the Spout automatically drops down when the water is shut off, thus returning your DISHMASTER® to a regular water faucet.

A MINIMUM OF 20 POUNDS WATER PRESSURE IS REQUIRED FOR SATISFACTORY OPERATION OF YOUR DISHMASTER®.

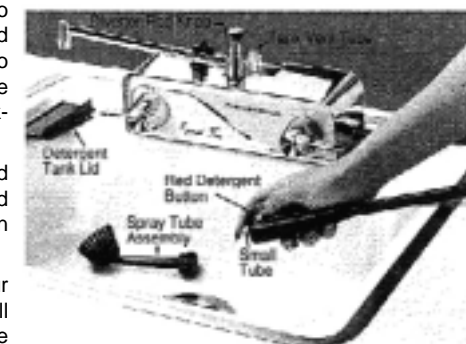
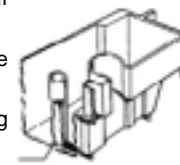
INSTRUCTIONS FOR "BACK-FLUSHING"

IF YOUR DISHMASTER® DOES NOT DRAW SUDS PROPERLY, FOLLOW THE SIMPLE PROCEDURE SHOWN BELOW IT TAKES BUT A FEW MINUTES – NO TOOLS ARE NEEDED

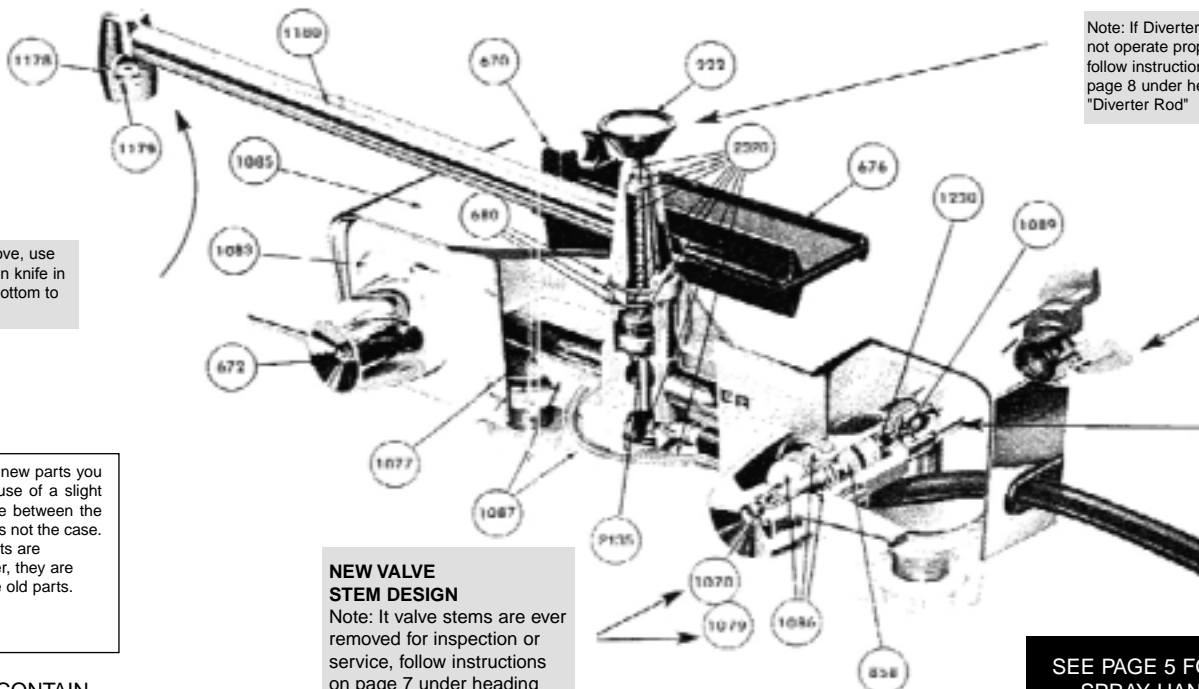
Your DISHMASTER® uses very little detergent. Too much detergent congeals and cannot be drawn through the hose. We recommend using no more than 1 tablespoonful of liquid detergent per tankful of water. Periodically, fill the detergent tank with hot water only (no detergent). This will help dilute any congealed detergent in the tank and hose.

YOU MUST USE LIQUID DETERGENTS IN YOUR DISHMASTER® YOU CANNOT USE SOAP OR SOAP POWDERS.

- 1 First check the detergent solution. It should not be much thicker than water itself. If you find a thick, gummy solution in the bottom of the tank, WASH IT OUT. (If it is necessary to remove the Tank, follow Step No. 6 on page 2.)
- 2 Check the small hole in the bottom of the Tank Vent Tube in the Tank. If it is clogged, open it with a hairpin or small wire.
- 3 Remove the Spray Tube Assembly from the handle by unscrewing it with your fingers or pliers.
- 4 Open the cold water valve to allow ONLY A SMALL STREAM of water to flow from the spout. (Caution should be used not to open water valve too much as the water may spray up the wall in back of your sink when back-flushing.)
- 5 Place your index finger over the end of the Tube and hold the Red Detergent button on the Handle down with your thumb.
- 6 Pull the Diverter Rod up with your other hand. This simple operation will force the water back through the detergent line of the hose and out through the Tank Vent Tube, thus flushing out any foreign matter or congealed detergent which may have had the hose blocked. (If the water does not come out of the Tank Vent Tube, open the water valve a little more and repeat the procedure.) When the water comes out of the Tube as shown in the picture, place your index finger over the top of the tube, thus forcing water thru the small Detergent hole at the bottom of the Tank.
- 7 Now screw the Spray Tube Assembly back onto the handle and try your DISHMASTER® to see if it draws suds properly. If you do not get any suds or if the suds will not shut off then you must replace either the Needle Valve Kit No. 264 or the Hose Assembly No. 254. (See page 5 for these parts).



NOTE: Water quality causes the most variations in performance of the DISHMASTER®. Water conditions vary throughout the country.



Note: If Diverter Rod does not operate properly, follow instructions on page 8 under heading of "Diverter Rod"

Note: To remove, use back of kitchen knife in slots across bottom to unscrew.

Part No. 1073 is Union for Std. 8" Wall Type Installation OR Part No. 1074 is Union for Std. 8" Deck Type Installation

NOTICE - We are constantly improving the design and make-up of the parts used in this DISHMASTER®. We incorporate these improvements, when developed and thoroughly tested, into production immediately. Improvements, made in this manner, are interchangeable with the parts they replace.

You may feel that some new parts you receive will not fit because of a slight difference in appearance between the old and new parts. This is not the case. Whenever new style parts are supplied on a parts order, they are interchangeable with the old parts.

NEW VALVE STEM DESIGN
Note: It valve stems are ever removed for inspection or service, follow instructions on page 7 under heading "Water Valves."

SEE PAGE 5 FOR HOSE AND SPRAY HANDLE PARTS

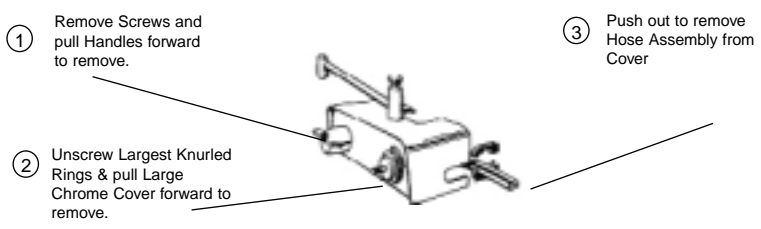
ALL PARTS ARE PACKAGED, IDENTIFIED, AND CONTAIN NECESSARY INSTRUCTIONS.

No.	DESCRIPTION
222	DIVERTER KNOB (For Diverter Rod)
1078	HOT VALVE STEM ASSEMBLY (Includes Screw and Kit No. 858 Parts assembled onto Stem)
1079	COLD VALVE STEM ASSEMBLY (Includes Screw and Kit No. 858 Parts assembled onto Stem)
670	BRUSH HOLDER KIT (Includes Body, Finger Spring, Screw and Nut)
672	PAIR OF VALVE HANDLES (Includes Screws)
676	TANK LID
858	TORQUE-FREE VALVE STEM SEALS - Used to Correct Leak at Valve Handle or to Stop Drip from Spout. (Includes 2 Valve Stem Ends with Seals and O-Rings Assembled)

No.	DESCRIPTION
1073	PAIR OF STANDARD 8-INCH WALL UNIONS (Includes Screens and O-Ring Seals)
1074	PAIR OF STANDARD 8-INCH DECK UNIONS (Includes Nuts, O-Ring Seals and Screens)
1077	VALUE BODY ASSEMBLY (includes Union Coupling Nuts and Vacuum Breaker Assembly)
2315	THREADED INSERT & SEALS - Used to correct Water Flowing from Brush and Spout at Same Time. (Includes insert Washer, Screen 8-Hole Disc, 2 O-Rings and 3/16 Hex Wrench)
1083	WHITE FRONT PANEL
1230	REMOVABLE VALVE SEAT KIT (Includes Seats, O-Ring Seals and Screens)

No.	DESCRIPTION
1085	CHROME COVER ASSY. - (Includes Brush Holder Assembly and Hose Retainer Assembly)
1086	STEM BUSHINGS, LOCK NUTS AND COVER NUTS
1087	DETERGENT TANK ASSEMBLY (Includes Plastic Tube and Spring)
2320	SPOUT SECTION SEALS - Used to correct leak at spout section under cover or leak at top of spout. (Includes Diverter Rod, Valve, Springs, Retainers, O-Rings, and Screens)
1089	UNION SCREEN KIT - Used to correct insufficient water volume from spout or to correct leak at Union Connection. (Includes 2 screens and 2 O-Rings)
1178	SPOUT FUL-FLO TIP ASSEMBLY
1179	FUL-FLO SCREENS AND INTERNAL PARTS KIT (Used to Correct Irregular Stream or Insufficient Water Volume from Spout)
1180	CHROME SPOUT ASSEMBLY (Includes complete Diverter Mechanism and Ful-Flo Assembly)

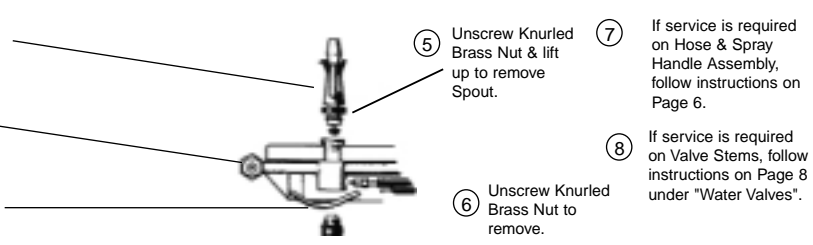
INSTRUCTIONS FOR DISMANTLING YOUR DISHMASTER® IF REQUIRED FOR SERVICE



DO NOT use pliers to hold rod when removing black knob. Hold rod up while unscrewing knob and rod will not turn.

NEW VALVE STEM DESIGN
For service, follow instructions on page 7 under "Water Valves."

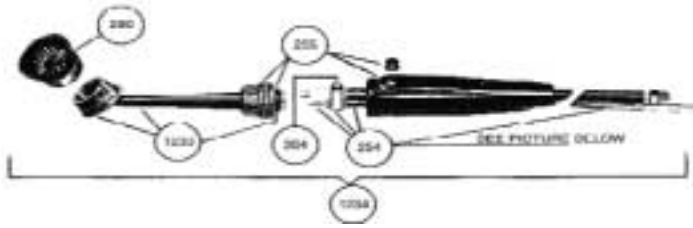
4 Pull to remove Clear Plastic Tube from Hose & Tank. With Spout pointing straight forward, lift Tank up to remove.



SEE YOUR LOCAL DEALER FOR REPLACEMENT PARTS

FOR PROMPT SERVICE DO NOT RETURN DISHMASTER® WITHOUT FIRST CONTACTING MANUFACTURER REGARDING YOUR SERVICE PROBLEM. (See Front Cover)

HOSE AND SPRAY HANDLE PARTS



SEE PICTURE BELOW

ALL PARTS ARE PACKAGED, IDENTIFIED, AND CONTAIN NECESSARY INSTRUCTIONS.

No.	DESCRIPTION
254	HOSE ASSEMBLY (See Picture Bottom of Page) Includes Complete Valve Assembly Hose, and Fittings Both Ends
255	SPRAY HANDLE ASSEMBLY (Includes Handle, Nut, Bushing, and Button)
264	NEEDLE VALVE KIT – Use to Correct Improper Flow of Detergent from Brush. (Includes Valve, Spring, Yoke, Red Button and Tool)
280	TWO BLACK NYLON BRUSHES (See Colors or Type at Right and on Page 6)
1233	BLACK SPRAY TUBE ASSEMBLY Includes Taper Tube, Head, Spray Disc, and Bushing)
1234	HOSE & BLACK SPRAY ASSEMBLY (See Picture Bottom of Page) Includes All Parts Shown



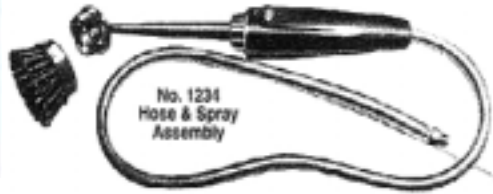
**No. 280
TWO BLACK
NYLON BRUSHES**
(Packaged 2 To A Package)

**HEAVY DUTY
POT and PAN
(comes In RUST
Color Only)
GENERAL DUTY
BRUSHES
Black
White**

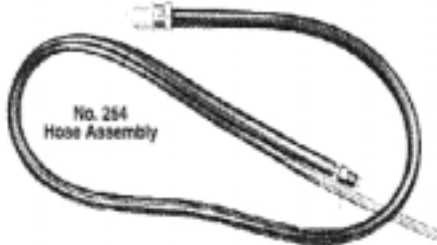
See
Accessory Parts
at right on
PAGE 6



Part No. 001
Net 32 Fl. Oz.
(1 Quart)
DAB ml



No. 1234
Hose & Spray
Assembly



No. 254
Hose Assembly

FOR PROMPT SERVICE – DO NOT RETURN DISHMASTER® TO THE DEALER WITHOUT FIRST CONTACTING MANUFACTURER REGARDING YOUR SERVICE PROBLEM. (See Front Cover)

INSTRUCTIONS FOR SERVICING HOSE AND SPRAY HANDLE PARTS

To Remove Hose and Spray Handle Assembly

1 – Remove Screws and pull Handles forward to remove.

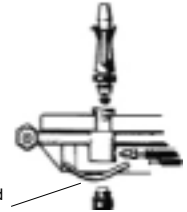
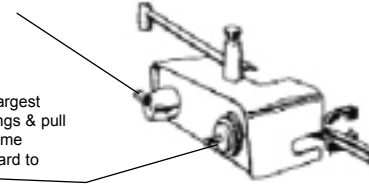
2 – Unscrew Largest Knurled Rings & pull Large Chrome Cover forward to remove.

5 – Wash Detergent Tank out thoroughly.

3 – Push out to remove Hose Assembly from Cover.

4 – Pull to remove Clear Plastic Tube from Hose and Tank. With Spout pointing straight forward, lift tank up to remove.

6 – Unscrew Small Hex Nut to remove Hose from Unit.



To Remove Hose Assembly from Spray Handle Assembly

Looking at the picture at the top of page 5, you will see that to remove the Hose Assembly from the Handle you must unscrew the Taper Tube Nut which will allow the Handle to slip back off over the Hose Assembly. You install the Hose Assembly into the Handle the same way you removed the old one. Be sure that you insert the Red Detergent Button into the hole in the Handle from the inside. When sliding the Handle forward over the Valve be sure that the Red Detergent Button is pushing against the side of the Valve which has the Spring. If you put the Valve into the handle upside down, the Needle Valve which controls the Detergent will not work. Be sure that you connect the Plastic Tube between the Hose and the Detergent Tank.

If the necessity arises to replace the Handle or Nut, you must replace both parts with our Assembly No. 255. Complete instructions are included when purchased.

If it is necessary to service the Needle Valve Assembly No. 264, we recommend that you purchase our Kit No. 264 which also has complete instructions included.

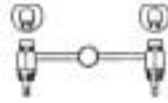
Note – If your DISHMASTER® does not draw suds properly, read the "Instructions for back-flushing" in front of manual before ordering parts.

No.	SPECIAL ACCESSORY PARTS (Not Included with Unit)
252	LONG HOSE ASSY. – Std. plus 12" (See picture 254 bottom of Page 5) Includes Complete Valve Assy., Hose, and Fittings both ends.
280	TWO BLACK NYLON BRUSHES
282	TWO POT & PAN NYLON BRUSHES
283	TWO WHITE NYLON BRUSHES
284	TWO VEGETABLE CLEANING BRUSHES
686	STAINLESS STEEL BACK PLATE For Island Sinks Only (Screws Included)
901	DISHMASTER® DETERGENT – 1 quart (32 Fl. Oz.) – Single bottles and 6 or 12 per case (See picture bottom of Page 5)
1125	PAIR OF SHORT VALVE HANDLES FOR CORNER SINKS, ETC.
1181	LONG SPOUT ASSEMBLY – Std. plus 2" (Includes complete Diverter Mechanism and Ful-Flo Assembly)
1235	LONG HOSE & BLACK SPRAY ASSY. – Std. plus 12" (see picture 1234 bottom of page 5) includes all parts shown.
1267	LEFT HAND ADAPTER KIT – (Consists of Special Fitting, and Instructions, to bring Hose and Spray Handle out of Left Side of DISHMASTER®)

REPAIR – SERVICE & GENERAL UPKEEP

A MINIMUM OF 20 POUNDS WATER PRESSURE IS REQUIRED FOR SATISFACTORY OPERATION OF YOUR DISHMASTER®.

WATER VOLUME If you do not get sufficient water volume, perform the following sequence of Steps until problem is solved: **FIRST** – Clean the screens in the Aerator Tip. Follow instructions on page 8 under heading of Aerator Tip. **SECOND** – Follow dismantling instructions (step ⑥ on page 2). **THIRD** – (You must shut off water supply to the DISHMASTER® before starting this step.) Remove the DISHMASTER® from the Union Fittings on your sink by unscrewing the nuts which secure the Body and Unions together and clean the screens between the Valve Body and the Unions.



Upon re-assembly, be sure O-Ring Seals in the Union Heads are in place (See picture at top of Page 2). "DO NOT" over tighten the "UNION NUTS." Finger tighten or "Very Lightly Snug" with pliers only. "DO NOT" use wrench as O-ring Seals are used. **FOURTH** – Now turn on the water and check all connections for any possible leaks.

If a leak appears at these connections, remove Body and check for foreign matter under O-rings and tighten Inserts in Union Nuts with a Large Screw Driver being sure the Nut swivels freely when Insert is tight. **FIFTH** – If water flow from spout Aerator Tip Assembly is still insufficient after following the above steps, it will be necessary to remove the spout assembly. **WATER SUPPLY TO DISHMASTER® NEED NOT BE SHUT OFF FOR THIS PROCEDURE.**

With valve handles in off position, unscrew spout retaining nut on large spout end, if pliers are necessary to loosen spout retaining nut, be sure to pad pliers' jaws to avoid damage to chrome spout and nut. Pull straight up on spout to remove it from DISHMASTER®. Use a 3/16" allen wrench and unscrew the spout section insert and remove it. See Caution note on (FIG 2). If the 8-hole disk remains in the spout section, you can bend a piece of wire (you can use a paper clip) so it has about a 1/8" long lip to remove the disk. Now clean off any debris or foreign matter. Use a paper towel to clean the inside of the spout section. Be sure the holes in the 8-hole disk are not clogged and you have all three O-rings removed from the spout section before reassembling the insert assembly (FIG 1). Reinstall insert assembly in the spout section FIG 2. Screw insert assembly into threaded hole in O-ring recess approximately 3 1/2 turns. Stop when insert will not turn easily. If insert, 8-Hole Disk or Seals are damaged, order Threaded Insert repair Kit No. 2315.

CAUTION DO NOT OVER TIGHTEN INSERT

To replace Chrome Spout (lift up on diverter rod as far as it will move and hold it there), while inserting large spout end completely into spout section and tighten spout retaining nut hand tight plus 1/2 turn with padded jaw pliers.

Fig. 1

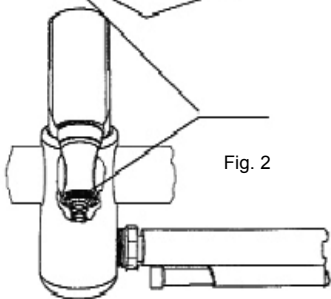


Your insert assembly must be assembled with all of the components in this order.

You may use a very small amount of pipe sealant with Teflon on this thread only.

CAUTION: Be sure that the lower 2095 O-ring did not remain in O-ring recess when Insert was removed. If the 2095 O-ring is in this recess you will not be able to re-install insert assembly.

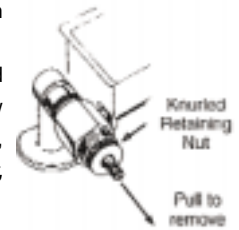
Fig. 2



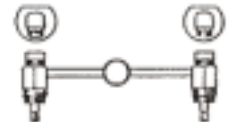
WATER VALVES The Hot and Cold Valves have "Torque-Free Valve Stem Seals."

These Stem Seals DO NOT turn against the Valve Seats, thus eliminating the friction wear found on conventional valve designs which is caused by constant twisting friction between the Valve Seat and the rubber seal. These Valve Seals should give you many years of trouble-free operation with proper use. At the first sign of a drip from your Spout, reset the Valve Handles one notch tighter, (follow Step No. ① on Page 2). If for any reason these Valve Seals should become damaged, they are simple to replace by merely snapping off the Rotating Ends from the Valve Stems and replace with New Ends. Our Kit No. 858, which includes both Hot and Cold Ends complete with Seals and instructions ready to snap onto your Valve Stems, is available if needed. The water supply to your DISHMASTER® must be shut off before removing the Valve Stems for inspection. Follow dismantling instructions (Step ⑥ on Page 2), then perform the following steps:

- 1 – To remove Stems for inspection, with both Valves "CLOSED," remove the Knurled Retaining Nuts and pull straight out to remove Stem Assembly.
- 2 – To install Stems after inspection, screw Red & Blue threaded Bushings onto Stems until they touch the stem ends, then unscrew approximately ¼ turn. Now push Stem Assembly straight into Body, **engaging the 2 Lugs on the Bushings into the slots in the Body**, then replace the Knurled Retaining Nuts and snug lightly with pliers.
- 3 – Be sure to follow Step No. ① on Page 2 for resetting the Handles after servicing the Valves.



REMOVABLE VALVE SEATS If inspection of WATER VALVES indicates damaged Valve Seats, the Seats are easy to remove for inspection as follows: With water supply "Shut Off," **FIRST** – Remove the Valve Body from the Union Fittings on your sink by unscrewing the Nuts which secure the Body and Unions together. **SECOND** – Using a 7/32" allen wrench hex key, unscrew the Inserts from inside the Nuts. The end of these Inserts is your Removable Valve Seat. If replacement is indicated after inspection of the Seat End of the Insert, you should purchase our Removable Valve Seat Kit No. 1230 which comes with complete instructions.



THIRD – Place Valve Seat Inserts thru the Nuts and re-assemble into Body with 7/32" allen wrench hex key being sure the Nut swivels freely when Insert is tight.

FOURTH – Upon re-assembly of Valve Body onto Unions, be sure the O-Ring Seals in the Union Heads are in place, "DO NOT" over tighten the "UNION NUTS." Finger tighten or "Very Lightly Snug" with pliers only. "DO NOT" use wrench as O-Ring Seals are used.

DIVERTER ROD The Diverter Rod is in the center of the Spout, which has the black knob on top. If this rod should become dry and sticky resulting in it not dropping automatically when the water is turned off, you should lubricate it, with Plumber's Grease or nontoxic silicon grease available at hardware stores and home centers, so it will operate normally.

AERATOR TIP To clean the aerator on the end of the faucet spout, unscrew the aerator from the faucet. **NOTE:** Turn on the water with the aerator removed. If removing the aerator restores the water flow, clean the aerator as outlined in the next paragraph. Inspect the unit for foreign matter, debris or mineral deposits. If necessary, a small wire or pin can be used to clear the holes. Rinse the unit to clear any loose particles. If needed, remove the rubber washer from the back of the aerator and remove the plastic insert. To remove the insert of the aerator, press gently on the end of the unit to free the red and white insert. If particles can be seen inside the insert, blow air through the insert in the reverse direction from the water flow. Reassemble the aerator. Screw the aerator back on to the faucet. **CAUTION, TIGHTEN FINGER TIGHT ONLY.** If water flow is still insufficient, replace the aerator with DISHMASTER repair kit 1178.