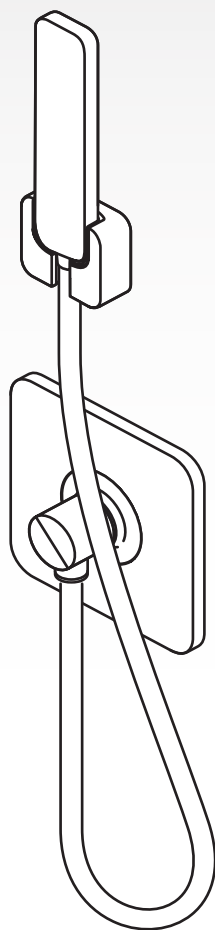


TOTO®**Installation and Owner's Manual****HANDSHOWER TRIM
TS170F****RENESSE™****English****Español****Français****Contents**

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● Thank you for your recent purchase of the TOTO product . Please read the enclosed information to ensure the safe use of your product





Important Safeguards

(For your safety please follow the instructions below)


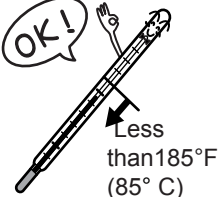

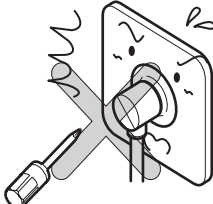
Read these important Safeguards thoroughly before using your Hand shower

- The following symbols indicate safe and proper use of the product. Failure to observe them may result in injury or property damage. The following table demonstrates the use of safety symbols in the manual. The symbols and their meanings are as follows.


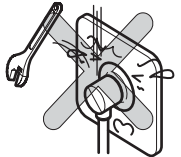
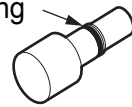
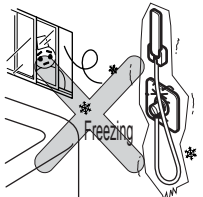
| | |
|--|---|
|  Warning | Failure to observe this symbol may result in serious injury. |
|  Caution | Failure to observe this symbol may result in injury or property damage. |

| | |
|--|--|
|  |  Absolutely Do NOT. Do not disassemble |
|  |  Mandatory! |

Warning

| | | |
|---|--|---|
|  | Do not use hot water supply that is higher than 185°F (85°C). Do not use steam as hot water supply. |  |
| Do Not | If water is hotter than 185°F is used. If it is broken, property damage, scalding, and other injuries may occur. | |
|  | Do not disassemble or modify the item in any way not described in this manual . |  |
| Do not disassemble | If the system is broken, property damage, scalding and other injuries are likely to occur. | |

Caution

| | | |
|---|--|---|
|  | Do not strike or kick the product. If the system is broken, property damage, scalding, and other injuries may occur due to water leakage. |  |
| | Do not cause scratch to the O-ring. Damaged O-ring may cause water leakage. | O-ring  |
| | Do not use the product at temperature exceeding what local codes allow. If parts are damaged, property damage, scalding and other injuries may occur. |  |

Specification

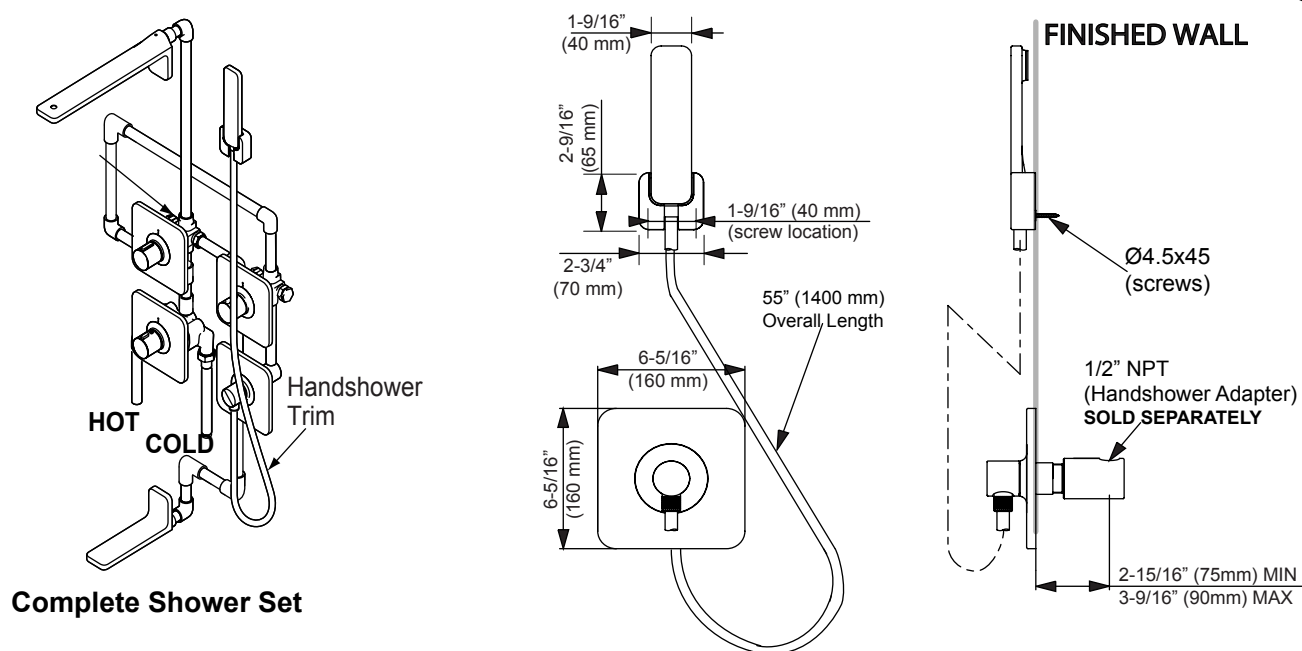
| | | |
|----------------------------|------------------|---|
| Water Supply Pressure | Minimum pressure | 20 psi (0.14MPa) (flowing pressure) |
| | Maximum pressure | 125 psi (0.86MPa) (static) Check local building code |
| Supplied Water Temperature | | Less than 185°F (85°C) |
| Water Quality | | Water that meets National/Primary drinking water regulation |
| Ambient Temperature | | 34 -104°F (2 - 40°C) |
| Water Supply Connection | | 1/2" NPT (for hand shower adapter_ SOLD SEPARATELY) |
| Humidity | | Maximum 90% RH |
| Flow Rate | | Max. 2.5 gallons per minutes (9.5L/min) |

Depending on the model, some specifications may differ.

Before installation

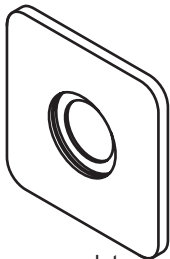
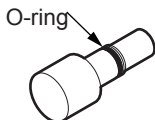
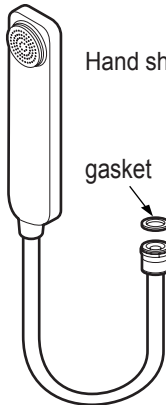







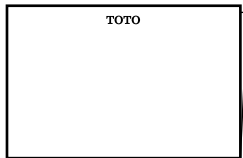



- Observe all local plumbing codes.
 - Make sure water supply is shut off.
 - Read these instructions carefully to ensure proper installation.
 - Check to make sure you have the following parts indicated below.
- If the water supply pressure is higher than 125psi (0.86MPa), you should buy a reducing valve to reduce the pressure to the range of 0.2-0.3MPa.
To use the faucet comfortably, the recommended pressure is about 30-45 psi (0.2-0.3MPa).
 - To prevent being scalded due to malfunction, the cold water supply pressure must be higher than the hot water pressure, or you can make them equal. In addition, if you increase the pressure of the hot water, it still must be lower than that of cold water supply side.
 - To prevent being scalded due to wrong operation, it is recommended the hot water supply temperature is 140°F (60°C).
 - For ease of water flow adjustment and inspection with tools, you should prepare an extra stop valve.

Set-Up Drawing



Components

Check that you have the following parts in the package.

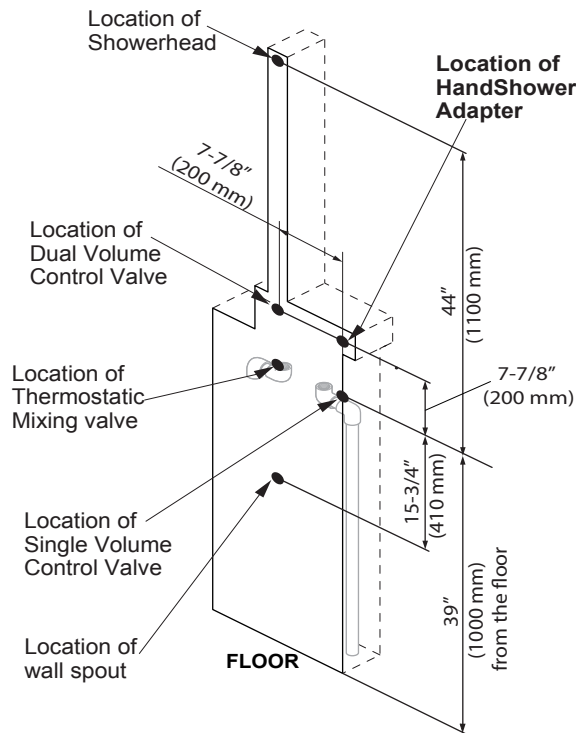
| Hand shower coverplate set | | Shower set | | |
|---|---|--|---|---|
|  |  |  |  |  |
| coverplate | Shower joint | |  |  |
|  |  | |  | |
|  | | <u>Tools you will need</u> | | |
| Owner's and Installation manual | |  |  |  |
| | | Pipe Tape | Adjustable Wrench | Allen Wrench |

*Some parts may differ from the figures depending on the model.

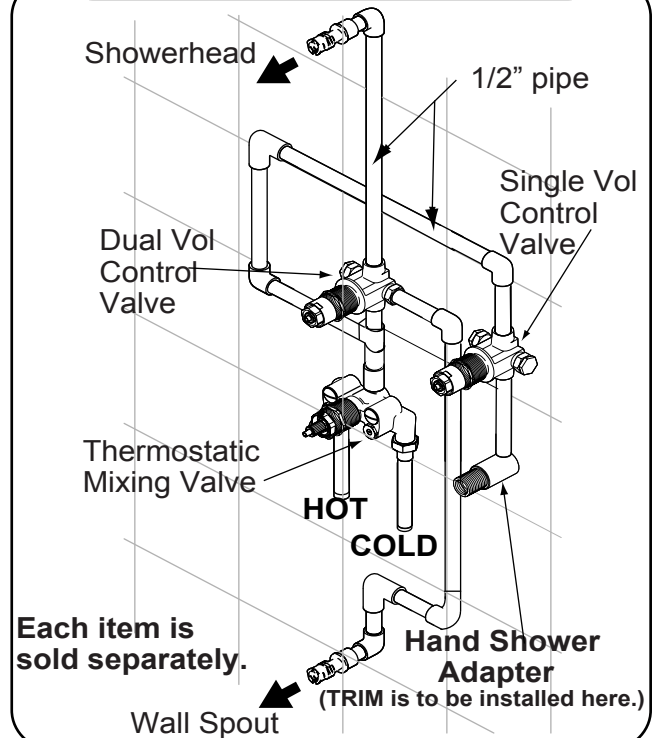
Installation Procedure

Information below should be observed in order to properly install the shower.

Preparation



Plumbing Setup



Hand Shower Trim does not have direct water connections or volume control; those items need to be purchased separately (See the Shower Setup Options)

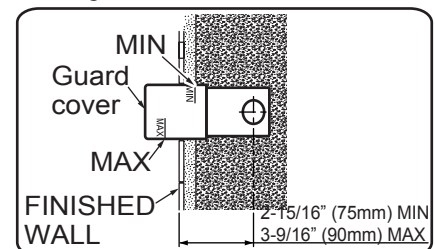
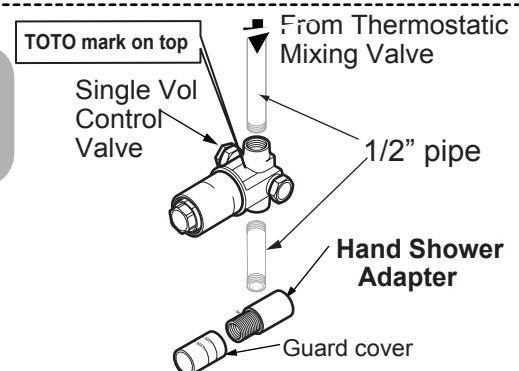
Caution

Refer to Handshower Adapter Installation manual for detailed installation procedure of the adapter.

- ① After confirming the rough-in of the adapter provided, connect the adapter with the Single Volume Control Valve (SOLD SEPARATELY).
- ② Make sure with the guard cover provided that distance between Finished Wall surface and valve falls between MIN and MAX.

Caution

Leave the guard covers on the valves till the tile work is completed.



Installation of Hand Shower

① Place the coverplate on the handshower adapter opening and fasten the face plate nut.

② Position the notch below and press the escutcheon into the face plate

***If the escutcheon is difficult to attach, apply weak soapy water to the O-ring.**

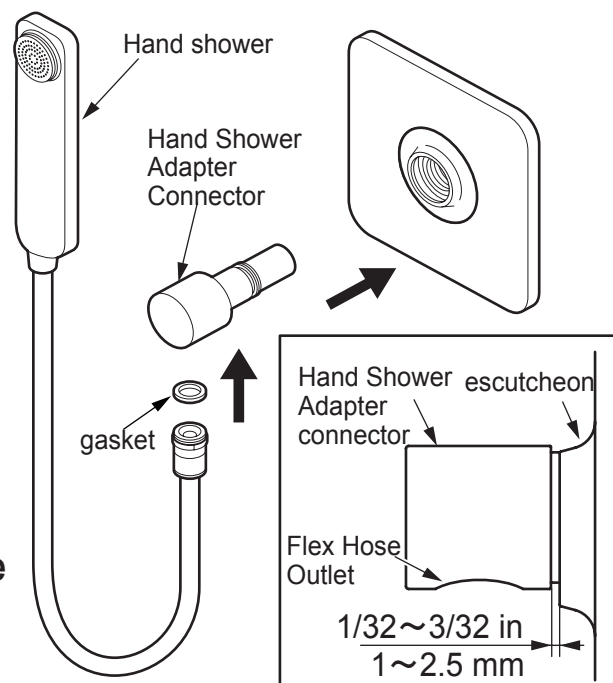
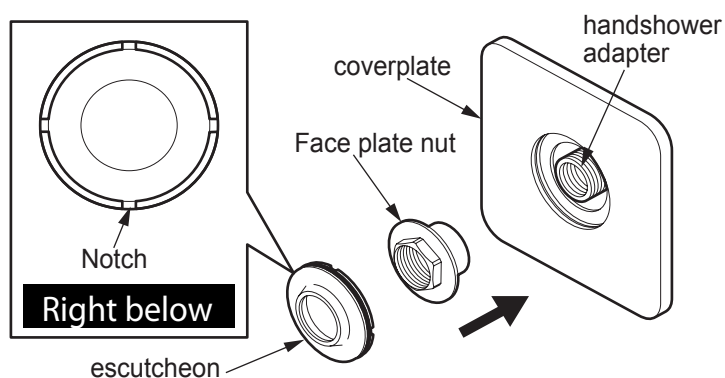
③ Then, tighten the Hand Shower Adapter Connector to the adapter, making sure that Flex Hose Outlet faces below in the end.

Caution

Be sure to confirm that the gap between the connector and escutcheon is between $\frac{1}{32} \sim \frac{3}{32}$ in ($1 \sim 2.5$ mm)

④ Connect the hand shower to the Flex Hose outlet. **MAKE SURE THAT THERE IS A GASKET.**

If the Flex Hose Outlet is not faced below, take out the connector and try again.



Installation of Hand Shower Hanger

① Drill prepared holes.

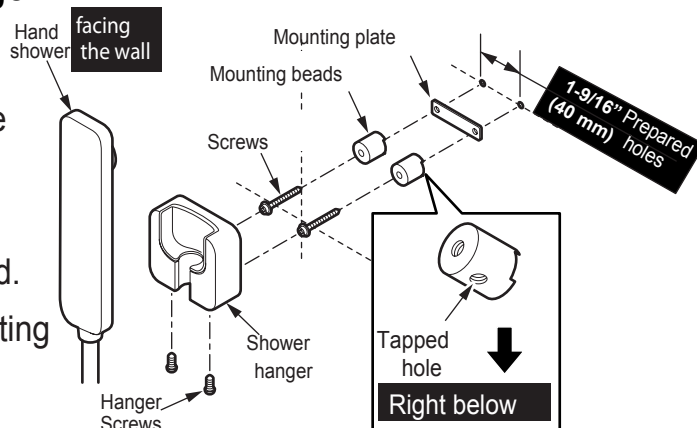
Make sure they are $1\text{-}9/16$ " (40 mm) apart.

② Place the mounting plate to the concave part of the mounting beads, making sure that tapped holes of the beads are facing downward.

Then, fix them with longer screws provided.

③ Insert the shower hanger into the mounting beads and tighten the hanger screws.

④ Put the hand shower on the hanger.



Shower Setup Options

1) Complete Set

2) w/o Handshower

3) w/o wall spout

4) Showerhead only

| Product Description | Product # |
|--|------------|
| Showerhead | TS170A#CP |
| Bath Spout | TS170E#CP |
| Hand Shower Trim | TS170F#CP |
| Single Volume Control Trim for Hand Shower | TS170C1#CP |
| Hand Shower Adapter | TSKH |
| Thermostatic Mixing Valve Trim | TS170T#CP |
| SMA Thermostatic Mixing Valve | TSKT |
| Single Volume Control Trim for Head Shower | TS170C#CP |
| Single Vol Control Valve | TSKA |
| Dual Volume Control Trim | TS170D#CP |
| Dual Volume Control Valve | TSKD |

Replacement Parts

| No. | Description |
|-----|-------------------------------|
| 1 | HAND SHOWER FACE PLATE |
| 2 | O RING |
| 3 | HAND SHOWER BODY |
| 4 | FLEX HOSE |
| 5 | FLOW REGULATOR |
| 6 | GASKET |
| 7 | HAND SHOWER ADAPTER CONNECTOR |
| 8 | O RING |
| 9 | ESCUTCHEON |
| 10 | ESCUTCHEON O RING |
| 11 | FACE PLATE NUT |
| 12 | FACE PLATE |
| 13 | PACKING |
| 14 | INSTALLATION PLATE |
| 15 | INSTALLATION BEADS |
| 16 | SCREWS |
| 17 | HAND SHOWER HANGER |
| 18 | HANGER COVERPLATE |
| 19 | HANGER SCREWS |



WARRANTY

LIFETIME LIMITED WARRANTY

Warranty applies to selected residential faucets only.

1. TOTO® warrants its faucets ("Product") to be free from defects in materials and workmanship during normal residential use for as long as the original consumer end-user purchaser owns their home. This limited lifetime warranty is extended only to the original consumer end-user purchaser and only so long as the Product remains in use by the original consumer end-user purchaser in its original place of installation in the purchaser's residence. This warranty applies only to Product purchased and installed in North America.
2. TOTO® obligations under this warranty are limited to repair or replacement, at TOTO®'s option, of Product or parts found to be defective in normal residential use, provided that such Product was properly installed and used in accordance with the owner's manual. TOTO® reserves the right to make such inspections as may be necessary in order to determine the cause of the defect.
3. This warranty does not apply to the following items:
 - Damage or loss sustained in a natural calamity such as fire, earthquake, flood, thunder, electrical storm, etc.
 - Damage or loss resulting from any accident, unreasonable use, misuse, abuse, negligence, or improper care, cleaning or maintenance of the Product.
 - Damage or loss resulting from sediments or foreign matter contained in a water system.
 - Damage or loss resulting from improper installation or from installation of the Product in a harsh and/or hazardous environment, or improper removal, repair or modification of the Product.
 - Damage or loss resulting from the use of an abrasive cleanser.
4. If the Product is used commercially, TOTO® warrants the Product to be free from defects in materials and workmanship for one (1) year from the date the Product is installed, with all other terms of this warranty applicable except the duration of the warranty.
5. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.
6. To obtain warranty repair service under this warranty, you must take the Product or deliver it prepaid to a TOTO® service facility with proof of purchase (original sales receipt) together with a letter stating the problem, or contact a TOTO® distributor or products service contractor, or write directly to TOTO® U.S.A., INC., 1155 Southern road, Morrow, Georgia 30260, (888) 295-8134. If, because of the size of the Product or nature of the defect, the Product cannot be returned to TOTO®, receipt by TOTO® of written notice of the defect together with proof of purchase (original sales receipt) shall constitute delivery. In such case, TOTO® may choose to repair the Product at the purchaser's location or pay to transport the Product to a service facility.

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Printed in August, 2007
0GU3031