RECOMMENDED TOOLS AND MATERIALS

Putty Knife    Regular Screwdriver    Adjustable Wrench    Sealant    Tape Measure
Hacksaw        Wax Ring/Gasket       Flexible Supply Tube  Closet Bolts    Carpenters Level

1  REMOVE OLD TOILET
   a.  Close toilet supply valve and flush tank completely. Towel or sponge remaining water from tank and bowl.
   b.  Disconnect and remove supply line. NOTE: If replacing valve, first shut off main water supply!
   c.  Remove old mounting hardware, remove toilet and plug floor waste opening to prevent escaping sewer gases.
   d.  Remove closet bolts from flange and clean away old wax, putty, etc. from base area.

   NOTE: Mounting surface must be clean and level before new toilet is installed!

2  ROUGHING-IN DIMENSIONS:
   NOTE: Distance from wall to closet flange centerline must be as listed on chart under ROUGH-IN DIMENSION “A”,
   the BOWL HEIGHT is listed as DIMENSION “B”.

<table>
<thead>
<tr>
<th>BOWL SHAPE</th>
<th>ROUGH-IN DIM. “A”</th>
<th>BOWL HEIGHT DIM. “B”</th>
<th>COMBO MODEL</th>
<th>BOWL MODEL</th>
<th>TANK MODEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>RIGHT HEIGHT® ELONGATED</td>
<td>12” (305mm) 16-1/2” (419mm)</td>
<td>10” (254mm) 16-1/2” (419mm)</td>
<td>221AA 3251A 4192A</td>
<td>221AB 3251A 4192B</td>
<td></td>
</tr>
<tr>
<td>ELONGATED</td>
<td>12” (305mm) 15” (381mm)</td>
<td>10” (254mm) 15” (381mm)</td>
<td>221CA 3251C 4192A</td>
<td>221CB 3251C 4192B</td>
<td></td>
</tr>
<tr>
<td>ROUND FRONT</td>
<td>12” (305mm) 15” (381mm)</td>
<td>10” (254mm) 15” (381mm)</td>
<td>221DA 3251D 4192A</td>
<td>221DB 3251D 4192B</td>
<td></td>
</tr>
</tbody>
</table>

Thank you for selecting American Standard – the benchmark of fine quality for over 100 years. To ensure this product is installed properly, please read these instructions carefully before you begin. (Certain installations may require professional help.) Also be sure your installation conforms to local codes.

CAUTION: PRODUCT IS FRAGILE. TO AVOID BREAKAGE AND POSSIBLE INJURY HANDLE WITH CARE!

NOTE: Pictures may not exactly define contour of china and components.

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NOTE: Pictures may not exactly define contour of china and components.
INSTALL CLOSET BOLTS

Install closet bolts in flange channel and slide into place parallel to wall.

INSTALL WAX SEAL

Install toilet on floor (cushion to prevent damage), and install wax ring evenly around waste flange (horn), with tapered end of ring facing toilet. Apply a thin bead of sealant around toilet base.

POSITION TOILET ON FLANGE

a. Unplug floor waste opening and install toilet on closet flange so bolts project through mounting holes.

b. Loosely install retainer washers and nuts. Side of washers marked “THIS SIDE UP” must face up!

INSTALL TOILET

a. Position toilet squarely to wall and, with a rocking motion, press bowl down fully on wax ring and flange. Alternately tighten nuts until toilet is firmly seated on floor.

CAUTION:
DO NOT OVERTIGHTEN NUTS OR BASE MAY BE DAMAGED!

b. Install caps on washers. (If necessary, cut bolt height to size before installing caps.)

c. Smooth off the bead of sealant around base. Remove excess sealant.

INSTALL TANK

a. Install large rubber gasket over threaded outlet on bottom of tank and lower tank onto bowl so that tapered end of gasket fits evenly into bowl water inlet opening.

b. Insert tank mounting bolts and rubber washers from inside tank, through mounting holes, and secure with metal washers and nuts.

c. With tank parallel to wall, alternately tighten nuts until tank is snugged down evenly against bowl surface.

CAUTION:
DO NOT OVERTIGHTEN NUTS MORE THAN REQUIRED FOR A SNUG FIT!

INSTALL TOILET SEAT

Install toilet seat in accordance with manufacturer’s directions.
A. Connect water supply line.
(Sold separately)
Hand tighten nut.

B. Turn on water supply.

**WARNING:** Overtightening of water supply line nuts could result in breakage and potential flooding. If the connection leaks after hand tightening, replace the supply line. Do not use any type of sealant on the water supply connection. Use of plumber's putty, pipe dope, or any other type of sealant will void the warranty.

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A. Adjust water level to level indicated on tank by turning water level adjustment knob to move float cup up or down.

B. **REPAIR PARTS LABEL LOCATED UNDER TANK LID.**
CARE AND CLEANING

When cleaning your toilet, wash it with mild, soapy water, rinse thoroughly with clear water and dry with a soft cloth. **WARNING:** Do not use in-tank cleaners. These products can seriously corrode fittings in the tank. This damage can cause leakage and property damage. American Standard shall not be responsible or liable for any damage caused by the use of in-tank cleaners.

**TROUBLESHOOTING GUIDE - See Step 8 For Diagram**

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Does not flush</td>
<td>a. Water supply valve closed.</td>
<td>a. Open valve and allow water to fill tank.</td>
</tr>
<tr>
<td></td>
<td>b. Supply line blocked</td>
<td>b. Shut off water supply, disconnect supply line and inspect all gaskets and washers. Reassemble.</td>
</tr>
<tr>
<td></td>
<td>c. Flush valve chain too loose or disconnected.</td>
<td>c. Readjust chain length as required.</td>
</tr>
<tr>
<td></td>
<td>d. Sand or debris lodged in water control.</td>
<td>d. Shut off water supply. Remove cap and clean as per Fluidmaster maintenance instructions at: <a href="http://www.americanstandard-us.com/enews/fluidmasterguide.pdf">www.americanstandard-us.com/enews/fluidmasterguide.pdf</a></td>
</tr>
<tr>
<td>Poor or sluggish flush</td>
<td>a. Bowl water level too low.</td>
<td>a. Check that refill tube is connected to water control and inserted into overflow tube without being kinked or damaged.</td>
</tr>
<tr>
<td></td>
<td>b. Supply valve partly closed.</td>
<td>b. Open supply valve fully. Be sure that proper supply tube size is used.</td>
</tr>
<tr>
<td></td>
<td>c. Partially clogged trapway and/or drain pipe and/or vent.</td>
<td>c. Remove obstruction. Consult a plumber if necessary.</td>
</tr>
<tr>
<td></td>
<td>d. Supply pressure too low.</td>
<td>d. Normal supply pressure must be at least 20 psi.</td>
</tr>
<tr>
<td>Toilet leaks</td>
<td>a. Poor supply line connection.</td>
<td>a. Review Step 7 of installation procedure.</td>
</tr>
<tr>
<td></td>
<td>b. Poor bowl to tank/floor connection.</td>
<td>b. Review Step 1 through 6 of installation procedure.</td>
</tr>
<tr>
<td>Toilet does not shut off</td>
<td>a. Flapper seal leaking or deformed.</td>
<td>a. Clean debris from seal surface. Replace flapper seal as needed. See web for more info.</td>
</tr>
<tr>
<td></td>
<td>b. Sand or debris lodged in water control.</td>
<td>b. Shut off water supply. Remove cap and clean as per Fluidmaster maintenance instructions at: <a href="http://www.americanstandard-us.com/enews/fluidmasterguide.pdf">www.americanstandard-us.com/enews/fluidmasterguide.pdf</a></td>
</tr>
<tr>
<td></td>
<td>c. Flush valve chain too tight, holding flapper open.</td>
<td>c. Readjust chain length as needed.</td>
</tr>
<tr>
<td>Toilet bowl rocks after installation</td>
<td>a. Wax ring not fully compressed.</td>
<td>a. Retighten bowl-to-floor knobs.</td>
</tr>
<tr>
<td></td>
<td>b. Floor not level.</td>
<td>b. Use toilet shims and/or place a bead of caulk around the base of the toilet.</td>
</tr>
</tbody>
</table>

**FOR REPAIR PARTS LIST, SEE LABEL UNDER TANK LID.**

**In the United States:**
American Standard Brands
P.O. Box 6820
Piscataway, New Jersey 08855
Attention: Director of Customer Care

For residents of the United States, warranty information may also be obtained by calling the following toll free number: (800) 442-1902

www.americanstandard.com

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5900 Avebury Rd.
Mississauga, Ontario
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Toll Free: (800) 387-0369
www.americanstandard.ca

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S. de R.L. de C.V.
Via Morelos #330
Col. Santa Clara
Ecatepec 55540 Edo. Mexico

Toll Free: 01-800-839-1200
www.americanstandard.com.mx