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INSTALLATION INSTRUCTIONS – RSW PISTON CROWN  
Parts No. CP22019-1 / CP22019-2 / CP22019-3

**Original Hamilton Standard Parts and RSW Replacement P/Ns:**

2B20 – 50287 gasket; 50116 gasket; 50698 nut; and AN380-2-2 cotter pin.  
(Replaced by RSW CP22019-3 Piston Crown) Installation tool CT38200-3

2D30 – 50285 gasket; S8464 Gasket; 50697 Nut; and AN380-2-2 cotter pin.  
(Replaced by RSW CP22019-1 Piston Crown) Installation tool CT38200-1

12D40 - 50286 gasket; S8498 gasket; 50696 nut; and AN380-2-2 cotter pin.  
(Replaced by RSW CP22019-2 Piston Crown) Installation tool CT38200-2

1. Inspect piston and piston threads in accordance with instructions in Hamilton Standard Propeller Manual 110D. Ensure that the threads of the piston and the piston crown are both completely free of burrs, dirt, or any other debris. The piston has very fine threads and any debris may cause problems with installing the crown to the piston. This is very important!
2. Perform a test fit check. Carefully screw the piston crown down on the piston all the way until it seats. Do this by hand, no tool is required. If the piston crown stops before reaching bottom, then the threads are not clean! Once test fit is performed, remove the piston crown.
3. Thoroughly lubricate, then slip the o-ring over piston threads and install on piston seat flange (Fig. 1)
4. Carefully thread the piston crown onto the piston threads by hand until there are only a few threads visible and apply a few drops of a medium strength Loc-Tite.

5. Insert pins on installation tool into holes on the top of the piston crown and torque to 30-40 lbs. inch. (Fig. 2).
6. Thoroughly lubricate and install the quad rings into each groove of the piston crown (total of two). (Fig 3).

Assembly and installation of the piston crown onto the piston is now complete. Now install the total piston and piston crown assembly into the cylinder as directed in Hamilton Standard Propeller Manual 110D.



Fig. 1



Fig. 2



Fig. 3