

SERVICE INFORMATION



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BULLETIN NO. 127

DATE: Sept 2003

**RE: Hot Beverage
Machines**

SUBJECT: BREWER PISTON & ROD

On all APi hot beverage machines produced beginning August 12, 2003, the brewer assembly will be using a metric piston, piston rod, and metric screw. This improvement was necessary to improve the reliability of the piston.

The metric piston has a smaller diameter hole in the center for use with a metric screw. The countersink angle for the metric screw is also different. The old style pistons were reworked to accept a standard SAE screw. The process of drilling the piston to enlarge the hole was found to compromise the material of the piston. This may cause the piston to crack under stress and/or allow moisture to penetrate through the outer shell of piston and swell during brewer operation. The piston rod was changed to have a metric thread for the piston screw. It is not recommended to attempt to drill out a metric piston to accommodate a standard screw.

As of May 5, 2003, neither the standard type piston nor the piston rod is available through APi Spare Parts. If you have to replace a standard type piston or rod, you will need to convert to the metric type. If your brewer has a piston rod with a groove located 1/2 inch above piston and the screw head on the piston is a Phillips head type, then the brewer assembly already contains the metric type piston, rod and screw.

When replacing the piston or rod the following machines will require the Piston Conversion kit if the upgrade has not been performed already.

Machine Model #:	Below Serial Number:
223	S/N 22301170001
211	S/N 21103224001
422	S/N 42201284001
All Older Models	S/N (All)

The following parts can be ordered through your authorized APi Distributor or APi Spare Parts Department:

ITEM	DESCRIPTION	PART NUMBER	NOTE
	Piston Conversion Kit 12 oz	P/N 27500091	For 12 ounce brewers (includes items 1,2,3,4,5)
	Piston Conversion Kit 8 oz	P/N 27500092	For 7-8 ounce brewers (includes items; 1,2,3a,4,5)
KIT COMPONENTS			
1	Gasket Washer	P/N 13085	Same as older type
2	Piston, Metric	P/N 29481-1	For 12 or 8 ounce brewers
3	Rod Metric 12 oz	P/N 23000006	For 12 ounce brewers only
3a	Rod Metric 8 oz	P/N 23000005	For 7-8 ounce brewers only
4	Screw Metric, M5x.8x30mm SS	P/N 23100114	Phillips Head stainless steel screw
5	Seal Gasket, for Piston	P/N 29482	Same as older type

Introductory pricing has been arranged to reduce the cost of the kit so that the additional cost of the piston rod does not increase the cost compared to the replacing just the piston and seal. Once the new rod is installed, future replacements of the piston will realize a lower cost. This introductory price will be in effect until July 2, 2004. This introductory pricing applies only to new orders effective with the issuing of this bulletin.