



# TECH BULLETIN

**009**  
02/78

*Published regarding engineering changes and improvements*

## SUBJECT: 25 Frame Piston Pump Piston Rod and Seal Change

The 25 Frame pump have undergone two design changes. The first change was to increase the size of the piston rod threads from 7 mm to 8 mm. The second change was to increase the wall thickness of the piston rod sleeve thereby increasing the O.D. from 14 mm to 16 mm.

Be sure to check sizes of piston rod threads and sleeves before ordering any parts from the chart below. Measure the O.D. of the threads. - 7 mm is equal to .275 inches and 8 mm equals .315 inches.

The following is a cross reference list showing the old M7 and new M8 parts and kits. These changes are effective with the following serial numbers: 1020-N800101, 1520-5800123, 2020-5800101, 2520-7760101.

Description	7 mm	8 mm	Model
Piston Rod	27780	29229	All
Piston Spacer	27796	29391	All
Inlet Valve	27819	29242	1020
Inlet Valve	26541	29232	1520
Inlet Valve	27944	29234	2020
Inlet Valve	27839	29249	2520
Piston Retainer	27822	29241	1020
Piston Retainer	27816	29233	1520
Piston Retainer	27947	29235	2020
Piston Retainer	27842	29239	2525
Conical Washer	26994	27871	All
Slotted Nut	26546	27510	All
Cotterpin	14158	29589	All
Piston Kit	30249, 30808	30838	1020
Piston Kit	30250, 30809	30839	1520
Piston Kit	30251, 30810	30840	2020
Piston Kit	30811	30252	2520

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The following is a cross reference list showing the old M14 and new M16 parts and kits.  
 These changes are effective with the following serial numbers: 1020-D770106, 1520-2780105,  
 2020-D7700101, 2520-7700101.

<b>Description</b>	<b>14 mm</b>	<b>16 mm</b>	<b>Model</b>
Sleeve	27787	43122	All
Seal	26538	43124	All
Oil Wick	27789	43126	All
Seal Kit	30258	30482	All
Sleeve & Seal Kit	30259	30483	All
Cup Kit	30253	30253	1020
Cup Kit	30254	30254	1520
Cup Kit	30255	30255	2020
Cup Kit	30256	30256	2520

CAT PUMPS  
 Technical Services Department