



# TECH BULLETIN

**062**  
05/92

*Published regarding engineering changes and improvements*

**SUBJECT: Manifold and Seal Case Changes on 650-651**

For simplicity in servicing, the collar was eliminated from the Model 650. Because of the higher 3000 PSI performance of this pump, we also changed from a Brass to a Nickel Aluminum Bronze Head.

<b>650</b>	<b>Old Part Number</b>	<b>New Part Number</b>
Manifold Head .....	43511 <i>BB</i> .....	43971 <i>A</i>
Collar.....	43518 <i>BB</i> .....	45050
Back-up Ring .....	43519 <i>PTFE</i> .....	43519
O-Ring.....	13984 <i>NBR</i> .....	14762 <i>NBR</i>
Seal Case.....	43512 <i>BB</i> .....	45050 <i>BB</i>
Spacer, Plunger .....	43505 <i>BB</i> .....	43505 <i>BB</i>

To further improve the serviceability of this model and eliminate the possibility of cutting the o-ring on the seal case during installation, the o-ring and back-up ring were eliminated.

<b>650</b>	<b>Old Part Number</b>	<b>New Part Number</b>
		<b>07910101</b>
Manifold Head .....	43971 <i>NAB</i> .....	45975 <i>A</i>
O-Ring.....	13984 <i>NBR</i> .....	—
Back-up Ring .....	43519 <i>PTFE</i> .....	—
Seal Case.....	45050 <i>BB</i> .....	46065 <i>BB</i>
Spacer, Plunger .....	43505 <i>BB</i> .....	43505 <i>BB</i>

<b>651</b>	<b>Old Part Number</b>	<b>New Part Number</b>
		<b>08900101</b>
Manifold Head .....	44379 <i>SS</i> .....	45976 <i>SS</i>
O-Ring.....	14333 <i>FPM</i> .....	—
Back-up Ring .....	43519 <i>PTFE</i> .....	—
Seal Case.....	44380 <i>SS</i> .....	45977 <i>SS</i>
Spacer, Plunger .....	45880 <i>SS</i> .....	45880 <i>SS</i>

*Material Codes: BB=Brass FPM=Fluorocarbon NAB=Nickel Aluminum Bronze NBR=Medium Nitrile (Buna-N)  
PTFE=Pure Polytetrafluoroethylene SS=Stainless Steel*

Formerly the Aluminum Bronze manifold head was marked "AL" on the face of the head. Effective with the elimination of the collar, both the S.S. and ALBZ heads are stamped with a "B" on the face.

The old style seal cases, collars, o-rings, and back-up rings will continue to be available until further notice, however, the old style manifold head will be discontinued. It is necessary to replace all components when replacing the old manifold head with the new manifold head.

**CAT PUMPS**

Technical Services Department

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