



CIRCULATE TO:
Parts Manager:
Sales Manager:
Service Manager:
Maintenance Manager:

PRODUCT SUPPORT BULLETIN #223

Product: Hydraulic Cylinders

January 07, 2002

Subject: Internal Rust

Equipment Affected: Hydraulic Cylinders for all Systems.

Classification: Caution

Situation: Extra care must be taken to prevent water or moisture from entering the cylinders during shipping or storage.

Solution: The following steps will be taken by BTI to improve the weather proof plugs in the cylinder ports.

- A better quality plastic plug will be used to plug the cylinder ports on each cylinder manufactured and shipped. This would include cylinders as part of a new boom system as well.
- There will be an "O" ring on each of these plastic plugs to prevent contamination from entering the cylinder.
- Each cylinder will have a decal installed as a reminder to draw attention to this precaution when storing or shipping.
- Instructions for storing and shipping cylinders are outlined in the breaker owner manual.

Plugs can be ordered from BTI in Thornbury using the size to describe it. Eg: # 6, # 8, # 12 and # 16.

"O" rings for the plugs can also be ordered from BTI using the information below:

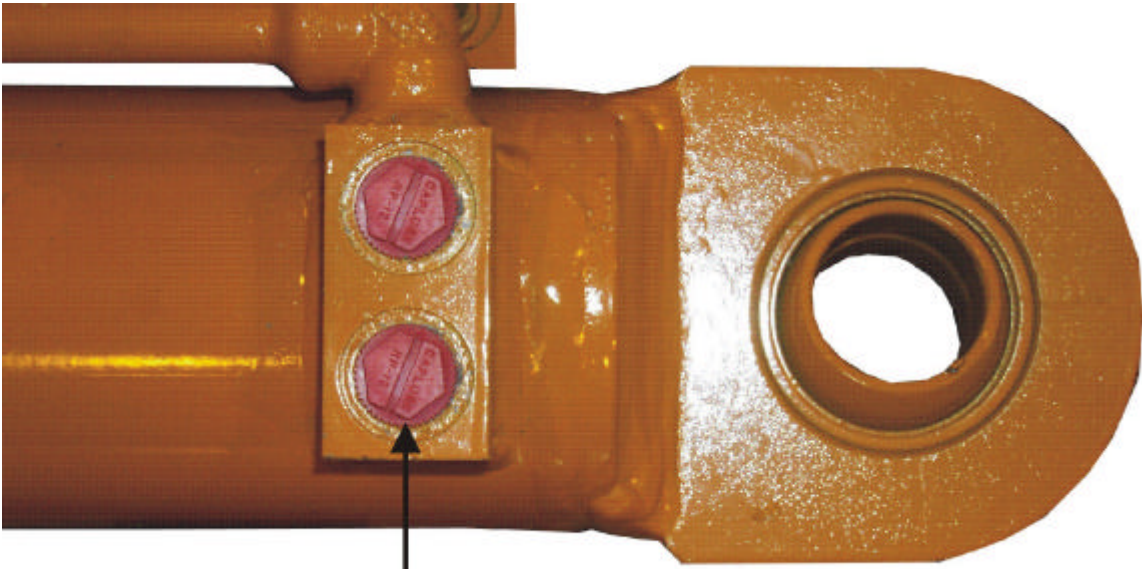
- # 6 plug size is # 1800769
- # 8 plug size is # 1800751
- # 12 plug size is # 1800784
- # 16 plug size is # 1800787



**BREAKER
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Cylinder Plug c/w O-Ring

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And does not imply that its contents are subject to a campaign program.