

Rockwell service letter No. SL-AG-57

International

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METALLIC BRAKE LININGS

APPLICABILITY: ALL S-2D and S-2R Aircraft, Serial Number 1311D through 1480R.

Standard equipment on the S-2R is a metallic brake lining material which has better non-fading characteristics than the previous organic lining which is riveted to the brake shoe. Some S-2D owners have elected to replace their existing brake shoes with S-2R brake shoes which have this metallic lining bonded to the shoe.

There have been three different batches of metallic brake linings used. The first batch has the lining material bonded to the shoe with a gap of approximately $\frac{1}{2}$ " between each block. The second batch had identical block spacing but increased clamping pressure during the bonding process was used. The second batch can be identified by a white paint marking on one end of the brake shoe. The third batch had the brake blocks placed end to end so that there was no space between them.

There have been reports from the field that some of the lining material from the first batch of brake shoes has come loose resulting in loss of brake usage. This could bring about a dangerous situation and it is recommended that the following action be taken at once:

1. Determine which batch of brake shoes has been installed on your aircraft. This can be accomplished by removing the inside and outside wheel covers and determining if the brake blocks are end to end or have approximately a $\frac{1}{2}$ " gap between them.
2. If there is evidence of white paint on the end of the brake shoes with the gap between the blocks (batch 2) or if the blocks are end to end (batch 3), there is no need for further action.
3. If it is determined that the brake shoes installed are from the first batch, it is advisable to replace them with batch 3 brake shoes.
4. The new brake shoes should be worn in accordance with the S-2R Owner's Manual or Special Instructions Sheet.