



**UNITED  
TECHNOLOGIES  
CARRIER**

Commercial Division  
Carrier Corporation

BULLETIN: CA-SB-19-D-68-45  
DATE: 11/22/68  
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**SERVICE BULLETIN**

SUBJECT:

**19D, 19DA THRUST BEARING MODIFICATION**

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**1.0 PURPOSE**

To advise of the following changes, and to transmit instructions for making these changes in existing machines.

- 1.1 The three oil feed holes in all 19D,DA compressors have been enlarged to 7/32".
- 1.2 The seal ring overflow orifice on all 19D,DA-21 compressors has been relocated and enlarged to 5/32".

**2.0 MACHINES AFFECTED**

**2.1 Oil Feed Holes (3)**

All 19D,DA Compressors to Serial No. 23008: 5/32"  
" " " Serial No. 23009 and Higher: 7/32"

**2.2 Seal Ring Overflow Orifice**

Only 19D,DA-21 Compressors to Serial No. 22403: 7/64"  
" " " Serial No. 22404 and Higher: 5/32"

**3.0 PROCEDURE**

Both of the above changes increase the flow of oil through the bearing assembly.

It is suggested that whenever any compressor thrust bearing assembly with the smaller oil feed holes is removed from a compressor that the three holes be enlarged to 7/32". Take care to remove any burrs that might later get into the bearing.

When the thrust bearing assembly is removed from a 19D,DA-21 machine, the seal ring should be inspected and modified, if necessary. Since the 7/64" orifice cannot be enlarged in its present location, drill a second 7/64" hole, as shown in Fig. 1.



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