



TECHNICAL SERVICES MANAGERS

Date: 12/8/76

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Office: MSD SERVICE ENGINEERING, SYRACUSE

Subject: 19EA GUIDE VANE LINKAGE
FIELD EXPERIENCE REPORT 76-6

If breakage is experienced with the swivel joints, Part No. HF91BB115, used on the 19EA guide vane linkage (all EA4's and those EA5's shipped before 3/75), rod end bearings, Part No. KT86UC020, may be installed in their place.

To modify the linkage on a 19EA or a 19D,DA,DG:

1. Remove the existing swivel joints and connecting rod.
2. Drill out the tapped holes in the end of each crank-arm to 5/16" diameter.
3. Fasten a rod end bearing to each crank-arm with a 5/16" bolt and nut.

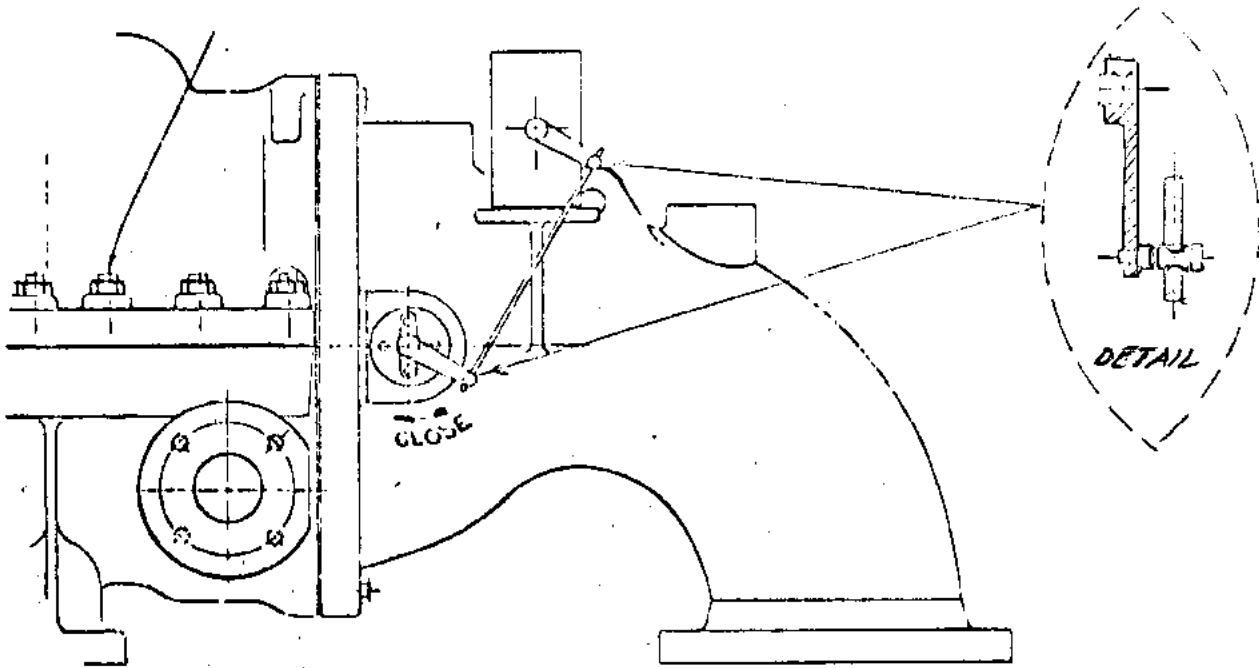
NOTE: On 19EA5 compressors, there will be interference between the helper spring and the connecting rod if the rod end bearings are fastened directly to the crank-arms. Add spacers (approximately 1/2") between the crank-arms and the rod end bearings to provide clearance when the vanes are in the closed position.

4. With the guide vane motor and the guide vanes in the closed position, cut a piece of 5/16-24 all thread rod (or use a solid rod threaded on each end) to fit between the rod end bearings, leaving room for some adjustment. A section of 1/4" Sched. 40 pipe, 10-1/2" long, can be slipped over the connecting rod to add stiffness.
5. Remove one rod end bearing and install the connecting rod.
6. Operate the vane motor to insure that the vanes will completely close and that the limit switches are working properly.

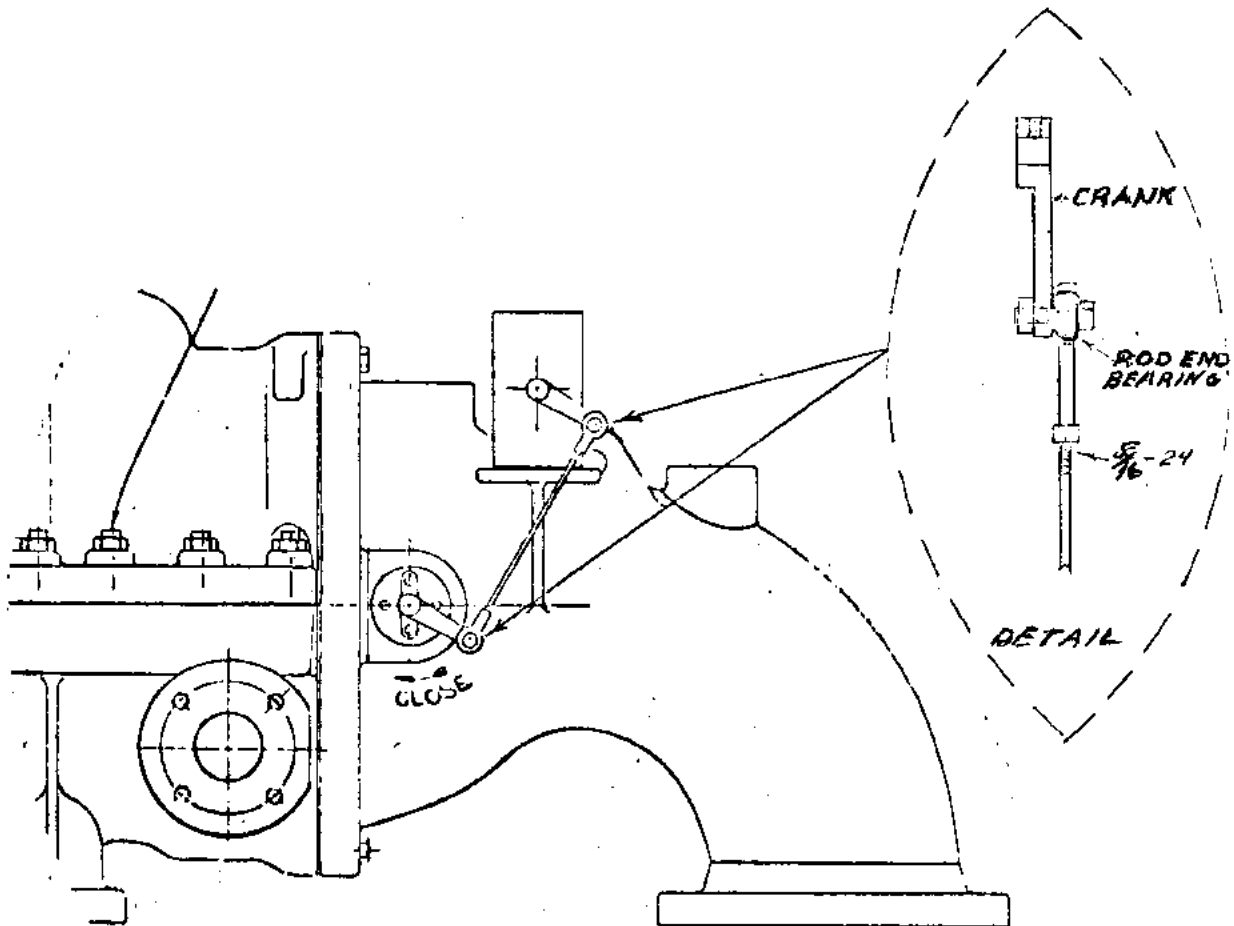
AMJ:eh
Att.

FILING INSTRUCTIONS: CENTRIFUGAL FIELD EXPERIENCE REPORT MANUAL
TAB: COMPRESSOR-DRIVER-GEARS

Destroy FER 73-2 and FER 73-2(Add.).



EXISTING LINKAGE



MODIFIED LINKAGE