



TO	MR. W. A. BARNES	ATLANTA	(B)	FROM	J. A. CAHILL	DATE	10/7/68
	MR. A. MEHI	BRAMALEA	(B)				
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	MR. M. R. REEVES	LOS ANGELES	(B)				
	MR. L. STURZENBERGER	NEW YORK	(B)	SUBJECT	SUCTION DAMPER PACKING		
	MR. C. D. TERRELL	DALLAS	(B)		GLAND (17M,P - 50 & 60 SERIES)		
	MR. G. GOETZE	COC ADM	(B)		<u>FIELD EXPERIENCE REPORT 68-9</u>		
	MR. E. MASESSA	TR-20	(B)				
	MR. H. E. GRIFFIN	LOS ANGELES	(C)				
	MR. W. H. GUNTHER	NEW YORK	(C)				
	MR. H. A. JOHNSON	DALLAS	(C)				
	MR. R. T. MITCHELL	CHICAGO	(C)				
	MR. J. MOSES	ATLANTA	(C)				
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	MR. R. JOHNSTON	TR-20	(C)				

It has been reported that many suction damper drive shafts are repeatedly becoming bound on the 50 and 60 size machines.

The cause of this problem is the lack of lubrication between the shaft and the stuffing box bore. The clearance in this area is .016" (diametral). This tight clearance, coupled with the lack of lubrication and in many instances very little movement, results in tightness or binding.

To correct this condition, the following procedure is recommended (See Figure 1).

- A) Disassemble shaft lever and indicator piece by removing taper pin (Item 1) and pointer assembly (Item 2).
- B) Remove packing gland adjusting screws (Item 3), packing gland (Item 4) and the packing (Item 5).
- C) From inside the suction pipe disconnect the shaft connecting link (Item 6) and remove the actuator shaft assembly by pulling it into the suction pipe.

- D) Clean up the drive shaft using a fine emery cloth and cutting oil. The surface of this shaft which is adjacent to the stuffing box must be exceptionally clean and have a smooth surface. The diametral clearance in this area is 1/64 inch.
- E) With everything removed from the stuffing box, lay out and drill and tap as shown in the detailed section of Figure 1. Clean out any burrs on the break thru.
- F) Pipe up an "Alemite" grease fitting to this drilled hole with a shut off valve between the fitting and the box.
- G) Re-assemble the suction damper shaft assembly.
- H) Pump grease into the fitting until it eases out along the shaft and then close the shut-off valve.
- I) Assemble packing and packing gland.
- J) Instruct the operating personnel to apply grease to this fitting and rotate the suction damper several times on at least a monthly basis.

JAC/lue

Attachment

*Jack Cahill*

FILING INSTRUCTIONS: COMPRESSOR

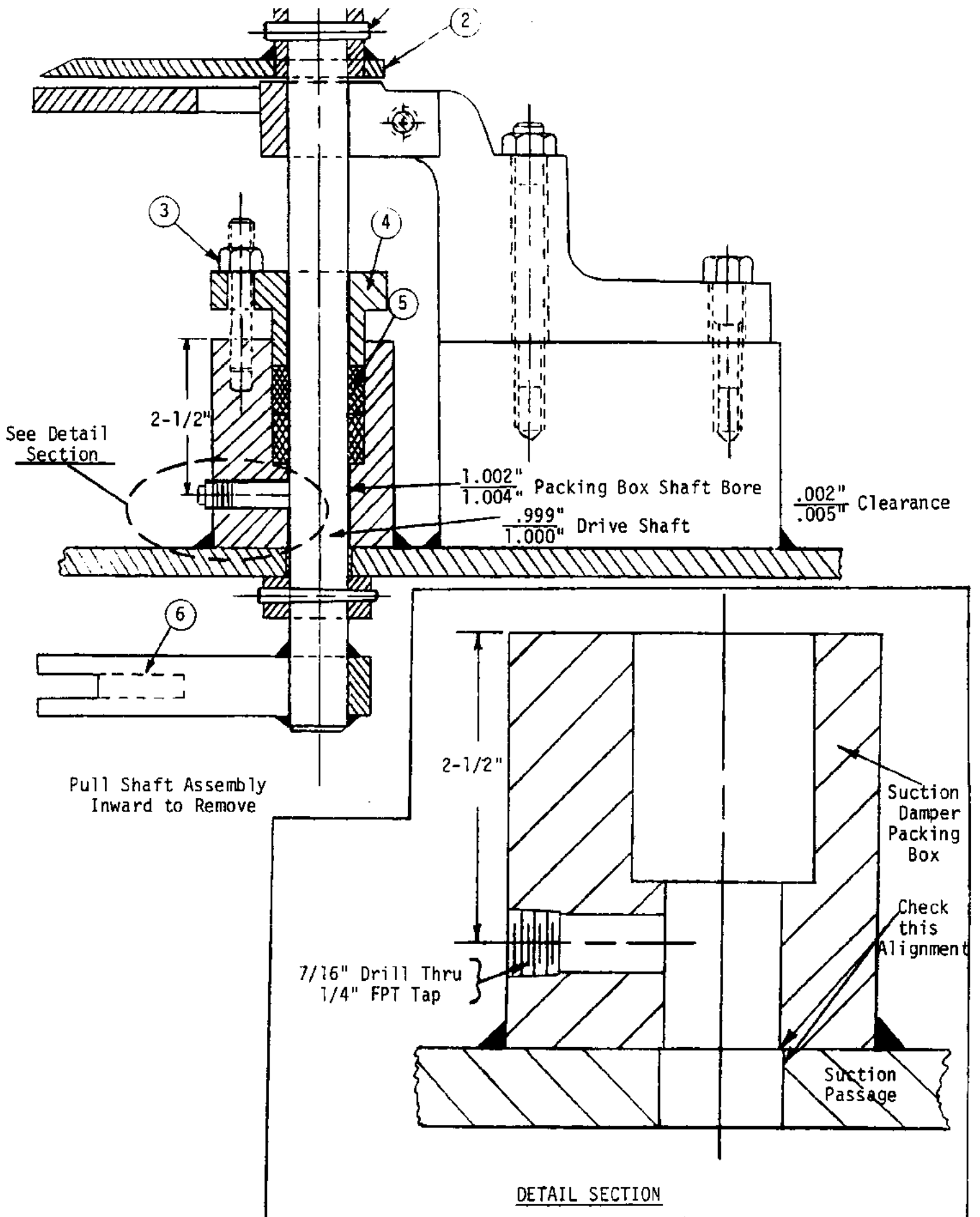


Fig. 1