

3.20-1 CLUTCH DISCS - REMOVAL & REPLACEMENT  
(WICHITA ATD-214 AIR CLUTCH)

Linings, in this 14" clutch, should be replaced when the airtube expands 1/2". If the tube is allowed to expand more, the usable life will be materially reduced. Expansion can be checked by watching the movement of the pressure plate, the part next to the airtube.

A. Disassembly:

Proceed as in 1-A above. It is not necessary to remove the clutch hub from the shaft to replace discs and plates. Pay close attention to and mark the cover plate, drive plate and disc for angular relationship.

B. Reassembly:

Inspect plates and discs for distortion or cracking. Replace worn discs and slide them back against the clutch backplate, making certain to maintain correct angular relationship while meshing the outer teeth with the drive ring and inner teeth with the clutch hub. Observe the clutch plate separator plates closely to make sure they do not fall out of place. There is a counterbore behind each spring in the backplate of the clutch to which the springs must be located or the springs will not allow the clutch to function. After all plates and discs have been reassembled properly, attach the air tube and cover plate and torque the capscrews to recommended limits. Reconnect air line to clutch and shaft and reassemble as in 1-B above.

C. Tools Required:

- 1 - 1-1/16" open end wrench
- 1 - pr. side cutters
- 1 - pr. std. pliers
- 1 - set 1/2" drive sockets 3/8" to 1-1/2" capacity
- 1 - 3/4" box to open end wrench combination

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C. Tools Required (cont'd):

- 1 - 2# ball peen hammer
- 1 - 12" std. slot screwdriver
- 1 - 2 ft. pry bar
- 1 - 6 ft. length of lock wire

D. Estimated Time Required to Complete Repair:

16 to 20 hours.