

AMPEX

CORPORATION

934 CHARTER ST. • EMERSON 8-1471
TWX REDWOOD CITY CAL 41
CABLE ADDRESS: AMPEX, REDWOOD CITY
REDWOOD CITY, CALIFORNIA

MAGNETIC RECORDERS

SERVICE BULLETIN

DATE: 20 March 1953
MODEL: 300
BULLETIN NO: 8
PAGE NO: 1

1. Capstan Oil Leakage. There is a tendency for oil to climb out of the capstan bearing housing during the first few weeks of operation. The capstan bearing has been thoroughly impregnated with oil so as to drive out any air inclusions, as the presence of air would tend to force oil out of the bearing housing when it becomes warm. The excess oil present climbs up the capstan when the machine is operated. Ordinarily, this oil is caught by the felt washer on top of the bearing housing. (The neoprene washer shown in fig. 2 of the instruction book was eliminated in production because it produced flutter.) If this washer becomes saturated with oil, which usually happens, then it will no longer behave as an effective seal. Therefore after the first week or so of operation, when most of the excess oil has had a chance to work out, the felt washer should be removed and washed out in carbon tetrachloride. Simply remove the capstan dust cap (see fig. 2, instruction book) to remove the felt washer. If this washer is kept reasonably dry, then no trouble should be experienced with oil creeping up the capstan.

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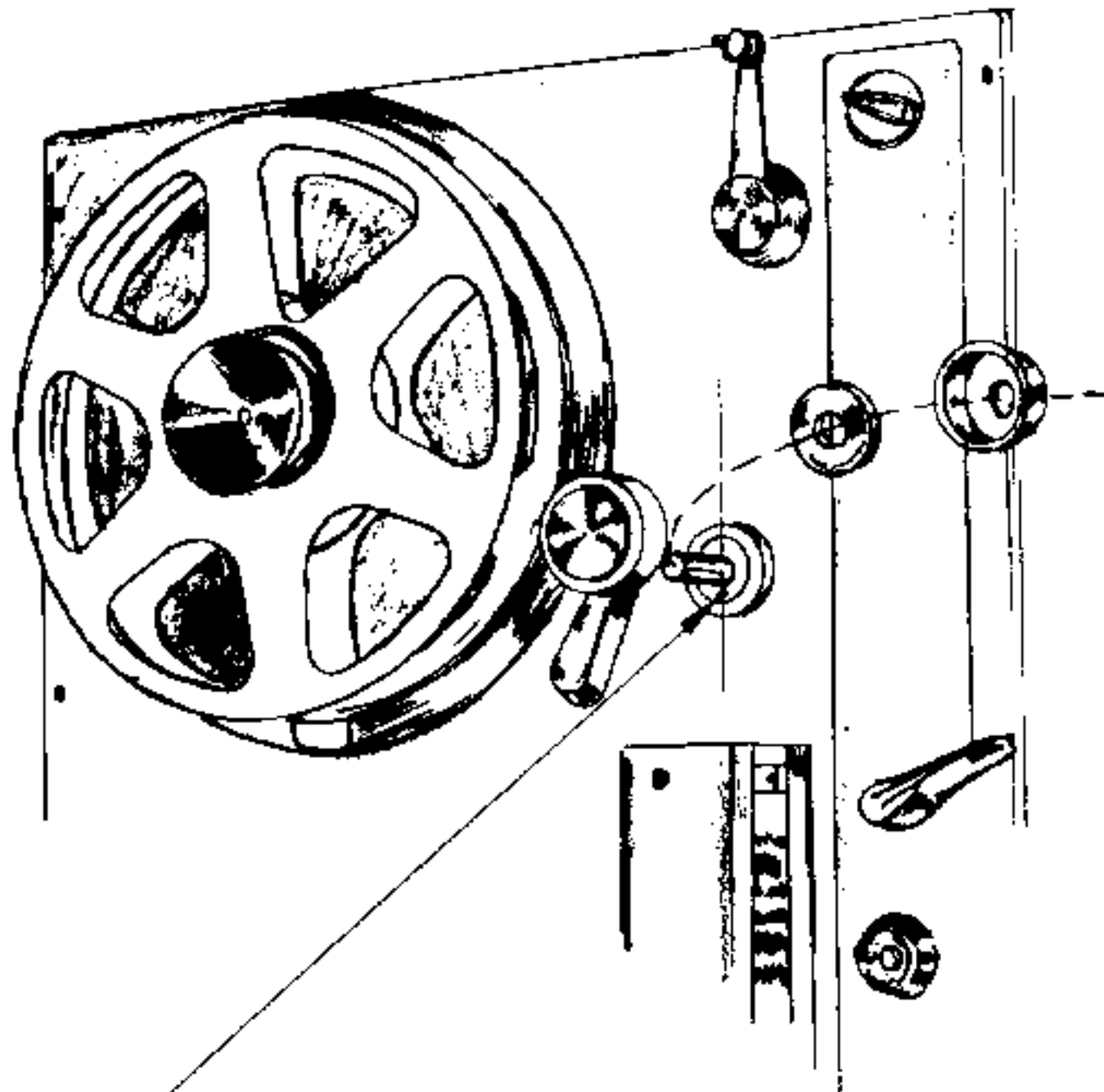
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REMOVE CAPSTAN DUST COVER
& FELT WASHER AS SHOWN
POSITION CAPSTAN ASSEM.
SO THAT CENTER LINE BETWEEN
BOTH HOLES IS VERTICAL WITH
LARGE C'SK HOLE ON THE
BOTTOM AS SHOWN. IF CAPSTAN
SHOULD NEED POSITIONING SEE
SVC. BULL. *14
TAP 6-32 N.C. IN LARGE C'SK HOLE
INSERT 6-32 X 1/4 LG. FLAT HD. MACHINE
SCREW.

PLUGGING OF CAPSTAN OIL
HOLE ON RACK MOUNTED
UNITS