

# 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: 12  
PAGE NO: 1

### CYCLOHM DRIVE MOTORS

1. Capstan Motor. Failure of the capstan drive motor has been reported by several users of the Model 300 recorder. These failures have been described as a knocking noise which develops in the motor, sometimes accompanied by loss of torque.

Investigation of motors which have been returned to our factory have revealed a defect in the mechanical design. These motors have therefore been returned to the manufacturer who has redesigned the units to overcome these defects in all respects. All motors which have exhibited this mechanical failure in the field are being replaced with the redesigned motor.

To install the new motor, first remove the old unit by unsoldering the leads from the switch S-502 and removing the black lead from Terminal Strip. Remove the four mounting screws which fasten the motor to the hinged bracket.

Install the new motor and connect as shown in the accompanying illustration, being careful to follow the color code of the leads. Before tightening the four screws in the motor base, swing the motor pulley into contact with the rubber tire and check for alignment. (Motor and Capstan shafts should be approximately parallel) A slight amount of adjustment is available due to the clearance of the holes in the hinged bracket supporting the motor.

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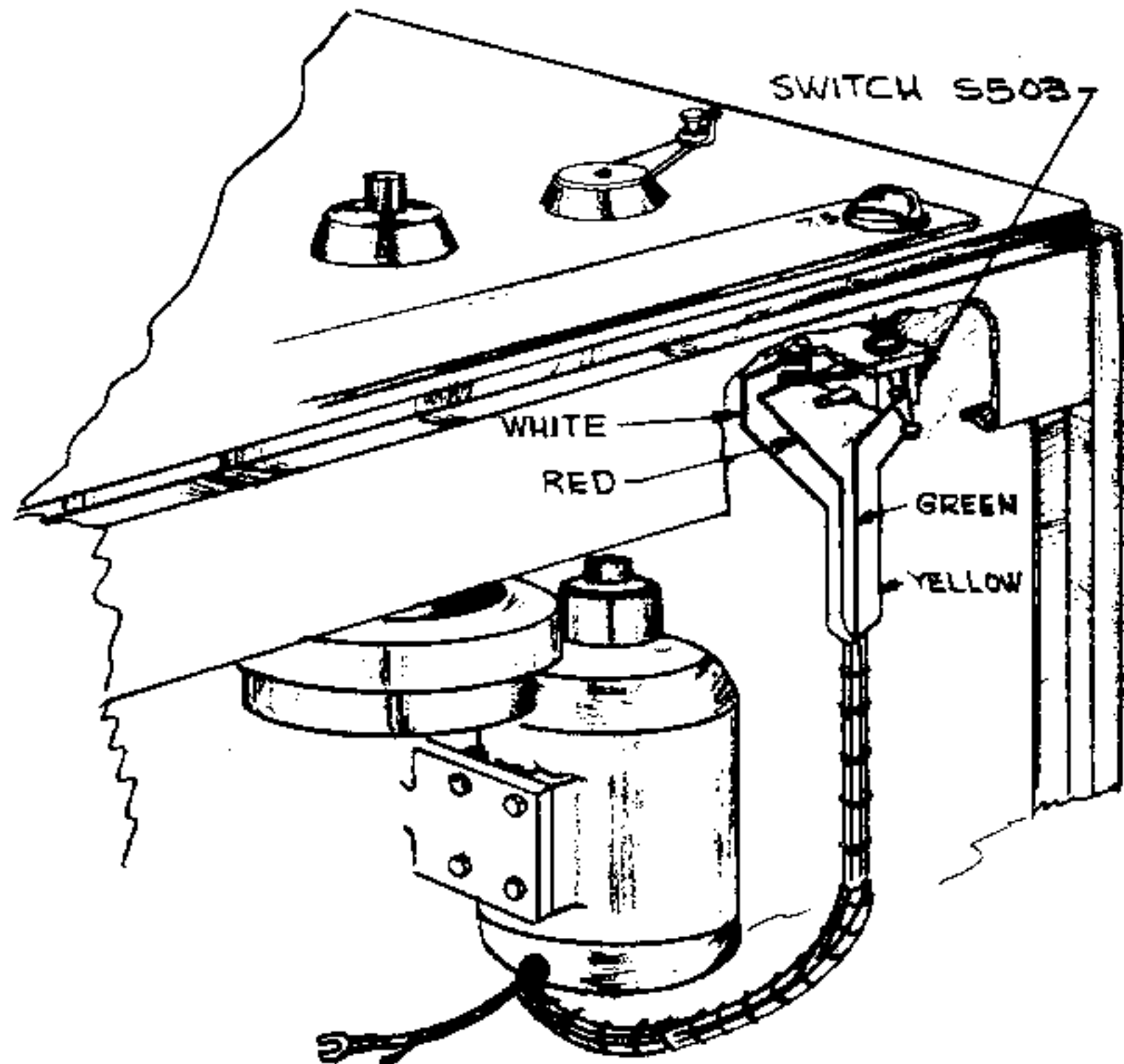
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### DRIVE MOTOR REPLACEMENT



BLACK WIRE TO NO. 1  
TERMINAL ON DRIVE  
ASSEM. TERMINAL  
STRIP TS 501