

ATTACHMENT 7

KS 271C Roll Servo Actuator Test Data Sheet

BENDIX/KING

KS 271C

FINAL DATA SHEET FOR FLAVOR -0100
KS 271CSERIAL # 12456

ALL EQUIPMENT HAS CURRENT CALIBRATION

✓ OK

Para Step	TEST DESCRIPTION	LIMITS	DATA
5.2.6.1 C.	Ohm Meter Measurement	(NMT 2 ohms)	<u>✓</u> OK
5.2.6.2 E.	External Strapping Test Input @ 27.5 ± 0.5 Vdc	(Solenoid engages & disengages)	<u>✓</u> OK
5.2.6.3 D.	Solenoid Engage - Pulling against gravity Input @ 20.5 ± 0.1 Vdc	(Solenoid engages & disengages)	<u>✓</u> OK
5.2.6.4 G.2.	Motor Breakout and Direction CW Input = NMT +0.20 Vdc	(Positive Tach Voltage)	<u>✓</u> OK
J.2.	CCW Input = NMT -0.20 Vdc	(Negative Tach Voltage)	<u>✓</u> OK
5.2.6.5 F.	Speed Characteristics, Phasing & Tach Scale Factor CCW Tach Output	(CCW Capstan & Neg Tach Voltage)	<u>✓</u> OK
G.	CCW Speed -8 Vdc input	(14.5 to 19.5 Seconds)	<u>17.3</u> Sec
H.	CCW Tach Output Voltage	(See TABLE 5-5 TACH SCALE FACTOR)	<u>-4.7</u> Vdc
K.	CCW Speed -4 Vdc input	(29 to 39 Seconds)	<u>34.5</u> Sec
L.	CCW Tach Output Voltage (OFF)	(-0.1 to +0.1 Vdc)	<u>✓</u> OK
P.	CW Tach Output	(CW Capstan & Pos Tach Voltage)	<u>✓</u> OK
Q.	CW Speed +8 Vdc input	(14.5 to 19.5 Seconds)	<u>17.4</u> Sec
R.	CW Tach Output Voltage	(See TABLE 5-5 TACH SCALE FACTOR)	<u>4.7</u> Vdc
T.	CW Speed +4 Vdc input	(29 to 39 Seconds)	<u>34.9</u> Sec
U.	CW Tach Output Voltage (OFF)	(-0.1 to + 0.1 Vdc)	<u>✓</u> OK
5.2.6.6 C.	Valid Output CCW CAPSTAN DRIVE ON	(Valid-L "ON")	<u>✓</u> OK
D.	VLDTST LO	(Valid-L "OFF")	<u>✓</u> OK
H.	CW CAPSTAN DRIVE ON	(Valid-L "ON")	<u>✓</u> OK
I.	VLDTST HI	(Valid-L "OFF")	<u>✓</u> OK
5.2.6.7 F.	Torque Characteristics CW	(Solenoid disengages)	<u>✓</u> OK
O.	CCW	(Solenoid disengages)	<u>✓</u> OK

TESTED BY: [REDACTED]DATE: 5.23.2018