

ATTACHMENT 6

KS 271C Yaw Autopilot Servo Actuator Test Data Sheet

FINAL DATA SHEET FOR FLAVOR -0600

KS 271C

 SERIAL # 9717

ALL EQUIPMENT HAS CURRENT CALIBRATION

Para Step	TEST DESCRIPTION	LIMITS	DATA
5.2.6.1 C.	Ohm Meter Measurement	(NMT 2 ohms)	<u>OK</u>
5.2.6.2 E.	External Strapping Test Input @ 27.5 ± 0.5 Vdc	(Solenoid engages & disengages)	<u>OK</u>
5.2.6.3 D.	Solenoid Engage - Pulling against gravity Input @ 20.5 ± 0.1 Vdc	(Solenoid engages & disengages)	<u>OK</u>
5.2.6.4 F.	Motor Breakout and Direction CW Input = NMT +0.30 Vdc	(CCW Pinion Rotation within 10 secs)	<u>OK</u>
I.	CCW Input = NMT -0.30 Vdc	(CW Pinion Rotation within 10 secs)	<u>OK</u>
5.2.6.5 F.	Speed Characteristics. Phasing & Tach Scale Factor CCW Rotation	(CCW Capstan)	<u>OK</u>
G.	CCW Speed -8 Vdc input	(17 to 23 Seconds)	<u>20</u> Sec
K.	CCW Speed -4 Vdc input	(34 to 39 Seconds)	<u>39</u> Sec
P.	CW Rotation:	(CW Capstan)	<u>OK</u>
O.	CW Speed +8 Vdc input	(17 to 23 Seconds)	<u>19</u> Sec
T.	CW Speed +4 Vdc input	(34 to 46 Seconds)	<u>39</u> Sec
5.2.6.6 C.	Valid Output CW CAPSTAN DRIVE ON	(Valid-L "ON")	<u>OK</u>
D.	VLDTST LO	(Valid-L "OFF")	<u>OK</u>
H.	CCW CAPSTAN DRIVE ON	(Valid-L "ON")	<u>OK</u>
I.	VLDTST HI	(Valid-L "OFF")	<u>OK</u>
5.2.6.7 F.	Torque Characteristics CW	(Solenoid disengages)	<u>OK</u>
O.	CCW	(Solenoid disengages)	<u>OK</u>

TESTED BY:

DATE:

5-22-2018