

ICV SERVO	AMPLIFIER APPRIMATELY 7.7. 5% 10. 10. 10. 10.	
TUBBE:	748608202 (PA) 817D528 27/306A 7486082G1 (FUNC) 817D632	
டும்புகள்ள	27/306A (40010201 (FONC) 01/1032	
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mar: T	ESTRUCTIONS A-1077513 5.2.1.7.02 PRINTERS 5.2.1.1. DATE	
	TRANSD. SN RATED STROKE	
1.0 EIS	PECTION	
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• 1	Identification . Solour/Ukra . Super Cycle . Fu	(19)
2	Comp./Com45 Ways Cyclo .43	NC(17
	€ 1	
	The state of the s	
4.0	Initial Conditions: COMMAND DIAL 0.00, switch at (-).	
	INPUT 2 DIAL 0.00, Switch OFF. SERVO CURRENT switch at 80 ma.	
	VALVE POSITION switch at 39; SWITCH 5 at ICV; 100k bet. TP9 and -224.	
	Feedback Transducer Stroke/Spec. in.	
5.0	FUNC. BD. Rotate R20CW: R12 and R15 (center)	
	P.A. BD. Rotate R121 CW; R108 center. Pos 1770N METER	
7.1.1.0	Gain Checks: Move Position Transducer for ERROR 2 = 0.00V	20
	COMMAND at -0.5V; Note ERROR = +(COMMAND GAIN)	+
	TP's on PA Ed. in ().	_
.2.0	Null Position Transducer: Transducer positioned to	
	OPEN SYNC. 3.125" from housing	
	Scope at Tr4 to TP5; Adj. R12 & R15 for null (less than 150 MV P-P)	
	Note UNREG. VALVE position CUTPUT = OV + O.lV.	9.0
.3.0	Adjust Amplifier Zero: Adjust COMMAND for ERROR = OV.	
16	Adjust R113 for FIDELITY METER = 0.	
.4.0	Adjust Amplifier Gain: Adjust COMMAND for ERROR $ \le -5 \text{V} $.	
	Note TF9 and $(TP4) = -5.00V$.	
	Adjust RIO2 for SERVO CURRENT = 79 ma.	5.5
-	Note (TP1)+ to (TP2)- = (+4.64 to +5.24 VDC) Repeat 7.3 and 7.4 until no change needed.	
. .	Repeat 7.3 and 7.4 until no change needed.	
-5.0	Amplifier Linearity: Vary ERROR & Voltage per table.	
	Adjust RIC8 if necessary. ERROR ≥ V +5 +3 +1 0 -1 -3 -5	
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· ; "	CURRENT Min -77.3 -45.6 -13.6 -1 +13.6 +45.6 +76	
·	OESERVED	
.6.0	Position Feedback Gain: Position Transducer at OPEN SYNC.	
	Adjust CUMMAND INPUT for -0.50V.	3
	Adjust R121 for ERROR \leq = 0V; Note (TP8) = +0.40 + 0.1V.	+
	Position Transducer "from OPEN END. (CLOSE END).	
	Adjust COMMAND INPUT for +5.00V. 7 911	
	Adjust R20 for ERROR $\not \equiv 0$ V.	::1
	Note REG. OUTPUT = TP6 and (TP5) = -5.5V + 0.2V.	2.5
	Note UNREG. OUTPUT = TP3 = -5.8V (min).	-
	Note (TP6) = -5.50V + 0.5V	
.7.0	Scram Circuit Check:	
1 10	Adjust COMMAND INPUT for -5.0V; Note ERROR Z > +6.2V.	
	Position Transducer at 4.125 in. from housing (OPEN END).	197
•	Push and hold SCRAM PB; Increase INPUT 2 (+) for ERROR = 0.00V;	
	Note INPUT 2 +5.00V + 0.3V.	+
	Release PB; INPUT 2 OFF; COMMAND INPUT (+).	
120	AMP OUTPUT JACK at - Sat. = > -6.8V; Note TPl0 > -6.8V.	-
	(continued)	

Cold Volts

-0.38 to +0.42V

-5.4 to -6.5V

Temp. Coef. Check P.A. Bd:

Volumeter

<u> TP8</u>

TP9

Cond.

Close End

12.0

Host 8" Ston

+ 1Cmv

+ 35mv

CRIOS

CRII3

