

Working with the faultfinding tree

Follow the path of the faultfinding tree beginning at the top left. Perform the actions you come across in the various blocks.

Look at the various side branches to find out if the information you see there applies to your problem. If, for instance, you find the indication display this means that no picture appears on the display.

If you establish this fault, follow the branch and perform the recommended actions. Check the signals mentioned. In a number of branches further reference is made to measurements you could carry out. These measurements are explained in several tables further on in this manual.

B-3 CHECK OF THE PHOTODIODES

Step	Signal	Mode					Remarks
1	D2 D1 D3 D4	power on		-	-	signal 4=6=7=8	Signal depends on Distance lens ↔ IR LED of remote control

T-22407A

B-4 CHECK OF LASER SUPPLY

The supply plus the monitor diode form a feedback system.

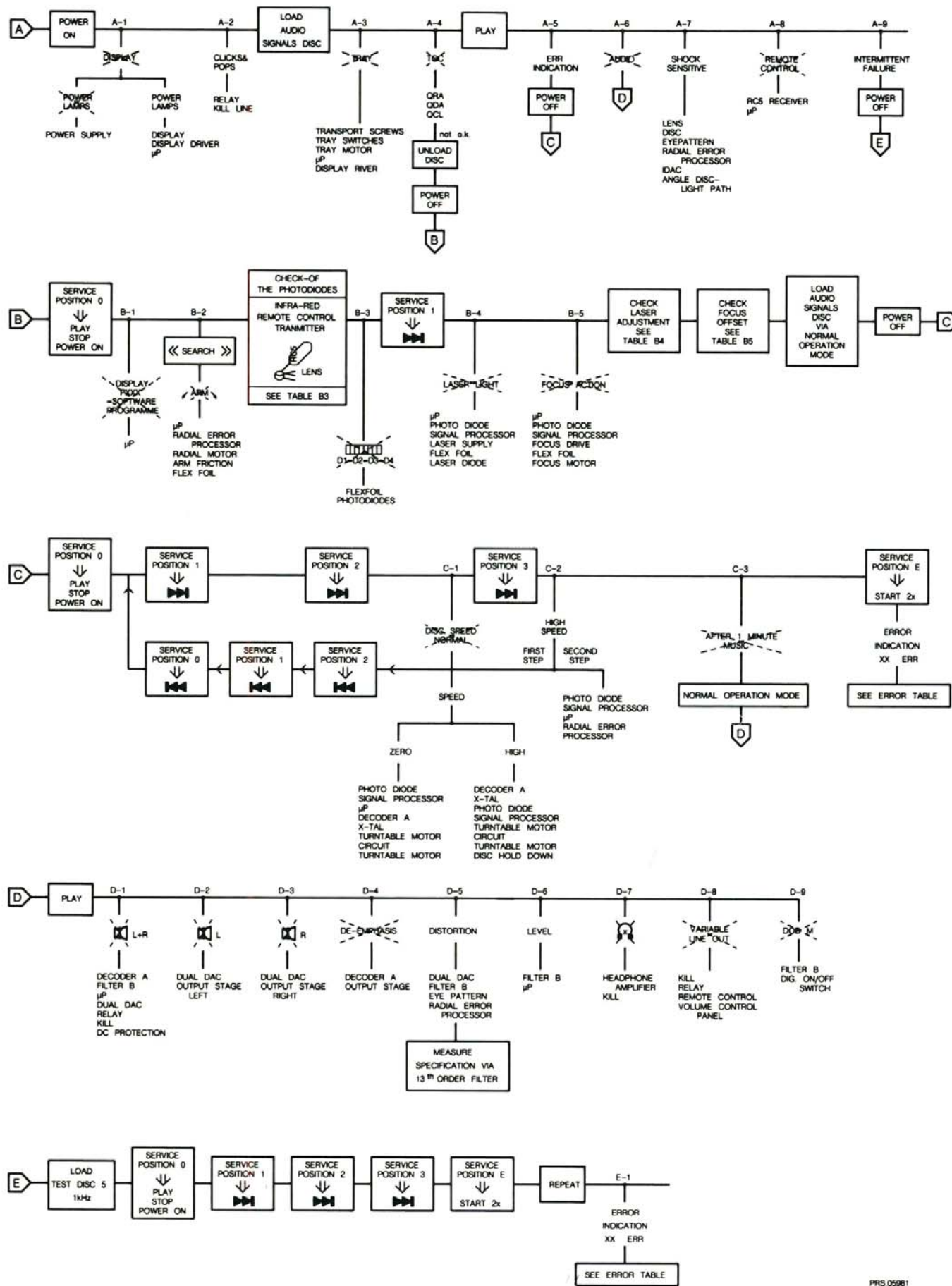
A defect in the lasersupply may result in the destruction of the laser. If, in that case, the laser is replaced, (= complete D.C.M.-unit) the new laser will also become defective. However, it is impossible to check and repair a feedback system if a link is missing. For this reason the laser supply can be checked with the replacement circuit assembly.

Step	Signal	Mode			Remarks
1	LO LM	serv. pos. 2 SK		$1.8 < V < 2.3$ $170 < mV < 220$	REPLACEMENT CIRCUIT FOR LASER ASSEMBLY PR05539 THE LED EMITS LITTLE LIGHT LED GREEN e.g. COY94 5322 130 32182 CONNECT DIRECTLY TO PANEL PR05539 T28/845
2	LO LM	serv. pos. 2 SK		$1.8 < V < 2.3$ $170 < mV < 220$	REPLACEMENT CIRCUIT FOR LASER ASSEMBLY PR05540 CONNECT DIRECTLY TO PANEL PR05540 T28/845
3	LO	Power on		$0V \pm 0.2V$	No light The feedback system sees to it that the same amount of current flows through the LED. When SK is open and when SK is closed the LED emits little light.

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B4 LASER CURRENT ADJUSTMENT

STEP	SIGNAL	MODE					REMARKS
1	--	POWER OFF	--	--	--	--	CHECK IF FLEX-FOIL IS PROPERLY CONNECTED
2	--	POWER OFF		R3120	$1k\Omega \pm 10\%$	--	PRE ADJUSTMENT OHMIC VALUE
3	--	POWER OFF	--	R3169	--	--	SET TO MID-POSITION
4	LASER CURRENT VOLTAGE ACROSS R3500	TEST DISC 5A PLAY		--	$\geq 15mV$	--	IF $\leq 15mV$ THEN GO TO STEP 3 AND SET R3169 TO 1/4 OR 3/4. TRY AGAIN
5	LASER CURRENT VOLTAGE ACROSS R3500	TEST DISC 5A PLAY		R3120	50mV	--	--
6	FE-LAG	TEST DISC 5A TRACK 1 PLAY		R3169	$400mV \pm 10\%$	--	FINE ADJUSTMENT

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