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## Hitachi Section 4



Home	Hitachi	M	Field lin problem after replacing chip TDA 8350Q	D718 BYD33 under heatsinks split in 2
Up	Hitachi	M	To exit factory pre-set mode (Model no in red across screen)	switch on whilst depressing vol up/vol down buttons
What's New	Hitachi	NP6C	Startup - int startup.	Poor connections to module CP901.
Search	Hitachi	NP6C	Startup - no startup.	R733 o/c.C910 startup con.
Index of Web Site	Hitachi	NP6C	Sync - Line frequency varies.	TR702.
Members Page	Hitachi	NP80	FIELD COLLAPSE	D601 ON PIN 9 IC701 S/C
Radio Links 1	Hitachi	NP81	Frame - bounce on ch change or picture change	C610 ( 220u f 50v )
Radio Links 2	Hitachi	NP81	NO PICTURE , POWER SUPPLY SCREAMING , LINE TEARING A	C906 O.C. 220mfd , 400v
Radio Rallies	Hitachi	NP81	POOR FIELD LIN	C614 2u2 TANTALUM
T.V Fault Database	Hitachi	NP81	TB700 P.SUPP TRANSISTORS S.C. RB713 o/c	REPLACE ALONG WITH C712 C726 94.7uF )
U.K Band Plans	Hitachi	NP81CQ	Blanking fault.	C715 ( 4.7u f 250v )
Welsh Links	Hitachi	NP81CQ	Bright pic on lh side	C715 4μ 250v - HT smoother to rgb o/p stages
	Hitachi	NP81CQ	Bright white screen	Check V at K2 on CRT base if low replace C715 ( 4.7uF )

Hitachi	NP81CQ	dead	Mains fuse o/c; pin 6 chopper tfmr burnt, STK411, Q901 2SD787; R904 82K hi res, D901 2v7 zener s/c, D902 33v zener o/c, lop tr s/c, TDA1035S sound chip u/s
Hitachi	NP81CQ	Dead.	R905 ( 56R 3w ) o/c , R906 ( 82R 2w ) o/c.
Hitachi	NP81CQ	Field bounce esp on chan change & hi contrast	C601 220μ 50v u/s
Hitachi	NP81CQ	Flyback lines on picture.	C715 ( 4.7u f 250v )
Hitachi	NP81CQ	Frame - foldover at top.	C610 ( 220u f )
Hitachi	NP81CQ	Frame - int frame collapse/top cramping	C608 ( 22u f )
Hitachi	NP81CQ	HIGH BRILL VERY INT	ZD802 5.1v ZENER ON CRT BASE
Hitachi	NP81CQ	Hum on picture - varies with picture.	Fit 22k in series with D402 if not fitted.
Hitachi	NP81CQ	Int colour	delay gate pulse coil L506 faulty
Hitachi	NP81CQ	Int frame collapse.	Drys R607.
Hitachi	NP81CQ	No/Int loss of colour.	L506 ( P No 2160831 )
Hitachi	NP81CQ	Small faint raster.	C909 ( 220u f 160v )
Hitachi	NP81CQ	Spluttering	dry joints loptx earth pin
Hitachi	NP81CQ	Squeal from chopper Tx at switch on.	C909 ( 220u f 160v ) , Dry R702 , C912 , R905 , R906
Hitachi	NP81CQ	Startup - no startup.	DJ on pin 4 of T901.
Hitachi	NP81CQ	Sync - lack of frame & line sync.	R723 ( 22k ) o/c.
Hitachi	NP81CQ	Thin white line travels up screen	dry joints M601 field o/p device
Hitachi	NP81CQ	Whistling - from power supply.	DJs on C912 , R905/6.
Hitachi	NP81CQ Mk2	Field lin - cramped at top	C608 22μ 160v
Hitachi	NP81CQ Mk2	Flyback lines at top	C715 4μ7 250v
Hitachi	NP82	Standby - stuck on standby - no functions.	IC901 ( STR441 ) on main chassis.
Hitachi	NP82CQ	dead	Pri HT - no 11v HT - to override overvolts trip s/c C912 & sub lop tr with bulb. - HT now 130v (correct on dummy load). Replace STR6020 and now ok
Hitachi	NP82CQ	dead	STR6020 s/c; 2Afuse o/c; Lop tr 2SD898B Q781 s/c
Hitachi	NP82CQ	Dead.	Drys on D950.
Hitachi	NP82CQ	FIELD FOLDOVER & FLYBACK LINES	R614 HIGH 150k
Hitachi	NP82CQ	Frame - rolling when hot.	C609 ( 0.22u f ) if not check components off pin 1 of TDA
Hitachi	NP82CQ	Int loss of sound.	Looks like dry joints check lead out wires on TX.
Hitachi	NP82CQ	No chan store	pin3 MDA2062 memory chip only 4.7v (20v), break in pcb track under on/off sw
Hitachi	NP82CQ	NO COLOUR PIN 5 IC501 LOW ( NORMALLY 3.8v FOR MAX	C507 2u2 SC
Hitachi	NP82CQ	No picture.	IC901 ( STR6020 ) , 2SD898B , Q681 ( 2SC1213A ) , R772.

Hitachi	NP82CQ	No sound or raster.	R772 o/c , replace STA441C.
Hitachi	NP82CQ	Ragged verticals & loud whistle.	IC701 ( LA7801 )
Hitachi	NP82CQ	Tuning - drift.	D1503-8 , D1511-2 leaky.
Hitachi	NP82CQ	Tuning - no tuning above a certain frequency.	D1508-1514 leaky.
Hitachi	NP82CQ	Tuning - snowy picture & poor sound.	C054 ( 22uf ) in AGC cct leaky.
Hitachi	NP82CQ	Whistle - loud whistle & ragged verticals.	IC701 ( LA7801 )
Hitachi	NP82CQ	WONT TUNE	CHECK ZD901 , IC901 ( LM317T )
Hitachi	NP82CQ	WONT TUNE , LOW FIXED VOLTAGE AT TUNER TUNING PIN	R1533 ( 39k )
Hitachi	NP82CQ Mk2	int revert to st/by	IC901 STR6020
Hitachi	NP82CQ Mk2	off, trips for a few secs at sw on	When trip disabled squeal from lopt - R772 10R hi res
Hitachi	NP82CQ/2	Dead.	Q681 , IC901 , R772.
Hitachi	NP82CQ/2	No picture.	IC901 ( STR6020 ) , 2SD898B , Q681 ( 2SC1213A ) , R772.
Hitachi	NP82CQ/2	No sound or raster.	R772 o/c , replace STA441C.
Hitachi	NP82CQ/2	Ragged verticals & loud whistle.	IC701 ( LA7801 )
Hitachi	NP82CQ/2	Sparking inside set.	R902/3 ( 82k , 0.5w ) , IC701 ( LA7801 ) , IC901 ( STR6020
Hitachi	NP82CQ/2	Standby - going into standby.	IC901 ( STR6020 )
Hitachi	NP82CQ/2	Tripping.	IC701 , IC681 , Q681 , IC901.
Hitachi	NP82CQ/2	Whistle - loud whistle & ragged verticals.	IC701 ( LA7801 )
Hitachi	NP82CQ2	Standby - int going into standby.	IC901 ( STR6020 )
Hitachi	NP83	Channels - no channel change & blank raster.	Q1454 ( cita Pcb )
Hitachi	NP83	FIELD COLLAPSE FIELD SQUARE WAVE PRESENT AT PIN 4	C610 220uF 50v
Hitachi	NP83	No sound.	R462 ( 22R ) o/c.
Hitachi	NP83	Standby - stuck in standby mode.	R1437 ( 820R ) o/c change to 1w type.
Hitachi	NP83CGMk2	Pic pulls to right & int field roll	Try s/c vid in & out conns on txt pcb - if ok fault on txt pcb
Hitachi	NP83CQ	Bright on LH side of raster	C715 2μ2 250v o/c
Hitachi	NP83CQ	Channels - no channel change & no raster.	Q1454 ( cita Pcb )
Hitachi	NP83CQ	dead	2A fuse blackened, STR6020 s/c, Loptx s/c windings, 2 x 1R safety re o/c (no 12v or 30v) & TDA3651 field chip u/s
Hitachi	NP83CQ	dead	won't work on dummy load unless loptx removed - loptx faulty
Hitachi	NP83CQ	dead	STR6020 s/c; R715 2R2 o/c; 2A fuse o/c; R901 6R 6w o/c; TDA3651 u/s
Hitachi	NP83CQ	Dead with "1" in display	No B+ volts until loptx removed (130v) - new loptx cured it & HT normal at 110v
Hitachi	NP83CQ	Field bounce - top inch of pic int disappears	C613 100n across field scan coils

Hitachi	NP83CQ	FIELD COLLAPSE OR FIELD FLUTTER	C603 1uF TANTALUM
Hitachi	NP83CQ	Frame - foldover after 10 mins.	C613 ( 100u f ) o/c.
Hitachi	NP83CQ	Height reduces on warm up	TDA3651A field chip u/s
Hitachi	NP83CQ	Int/crackly sound	tone control under front flap noisy
Hitachi	NP83CQ	No cold start	C908 33μ
Hitachi	NP83CQ	No pic just vert lines	same with txt pcb removed - TDA3561A decoder chip u/s
Hitachi	NP83CQ	NO PICTURE OR SOUND PSU & Line ok	12v RAIL LOW R716 OC OR HIGH 2R
Hitachi	NP83CQ	No raster - sound ok	No lum from IC501, sandcastle pulse low; R720/721 1M hi res
Hitachi	NP83CQ	No raster - sound ok.	R720 , R721 ( 3.9k ) gone high.
Hitachi	NP83CQ	No raster & no channel change.	Q1454 ( cita Pcb )
Hitachi	NP83CQ	NO S/V , IN AV MODE	ZD1438 12v ZENER
Hitachi	NP83CQ	Pic made up of large white dots	IC501 TDA3561A
Hitachi	NP83CQ	Red raster & white hor lines on txt	TDA3561A u/s
Hitachi	NP83CQ	Trips into st/by	ok on dummy load - Loptx Pt no 2433752
Hitachi	NP83CQ	Weak contrast, no col - sound ok, controls have no effect	IC501 TDA2561A
Hitachi	NP83CQ	WORKS FOR 2mins THEN CHANNEL DISPLAY GOES OUT , PI	NO 5v PIN 20 MAB8422 5v REG OR BRIDGE RECTIFIER ON CITAC PANEL
Hitachi	NP84	Stuck in standby.	DRYS ON CHOPPER TX
Hitachi	NP84CQ	Bright vertical line.	Zener ZD702 ( 10v , 500mW ) leaky.
Hitachi	NP84CQ	Channels - screen flashes red , green or blue.	IC501 ( TDA3562A ) reduce R726 to 560R R610 to 8.2k.
Hitachi	NP84CQ	Dead	R710 OR R713 OC IN LINE DRIVER STAGE
Hitachi	NP84CQ	Dead	CHECK Q703 , Q702 , Q903 & LOPTY
Hitachi	NP84CQ	dead	F901 1.6A fuse o/c - no other ff
Hitachi	NP84CQ	Dead - blown.	Uprate fuse from 1.25a to 1.6amp.
Hitachi	NP84CQ	dead - ht fuse o/c	when replaced squeals if sw held in - whisker of wire on lopt pin s/c supply
Hitachi	NP84CQ	Dead - shows "1" in display	Q902 BU806; ZD901BZW03C36; Q1455 BC548B
Hitachi	NP84CQ	dead - trips once at sw on	HT high at 150v (100v); Q902 BU806 leaky; ZD901 BZW03C36 s/c
Hitachi	NP84CQ	dead - whines only	ok on dummy load - Loptx Pt no 2434141
Hitachi	NP84CQ	Dead StBy LED & channel indicators ok	Check Q1455 ( BC548 )
Hitachi	NP84CQ	Dead.	R710 ( 2.7k ) , R713 ( 2.2k ) ,
Hitachi	NP84CQ	excess ht & rolling	R908 22k in error sensing network hi res
Hitachi	NP84CQ	Field bounce/roll	C603 47μ 160v u/s
Hitachi	NP84CQ	field collapse	C603 47μ 160v scan coupling cap
Hitachi	NP84CQ	Frame - memory not storing.	IC201 ( ZTK33B )
Hitachi	NP84CQ	Int col	TDA3565 dry joints

Hitachi	NP84CQ	Int goes into st/by & Ch+/Ch- buttons on tv won't operate correctly	Reprog micro as per instructions
Hitachi	NP84CQ	Int st/by & chan change no's	No 12v to remote pcb etc. R714 1R fusible in series with pin 2 loptx
Hitachi	NP84CQ	No col	Replace TDA3565 & adj ref osc
Hitachi	NP84CQ	No col	Pin 11 IC501 low - C511 2μ2 50v brightness pot decoupler
Hitachi	NP84CQ	No colour - int.	C507 ( 2.2u f ) , IC TDA3562A.
Hitachi	NP84CQ	No frame or sound.	R714 ( 1R ) o/c.
Hitachi	NP84CQ	No sigs - just snow	No 12v to tuner - crack in print by R222 AGC control
Hitachi	NP84CQ	NO SOUND	TDA4503
Hitachi	NP84CQ	Partial field collapse	C603 47μ 150v in field o/p cct
Hitachi	NP84CQ	Stuck in standby.	R908 22k HIGH
Hitachi	NP84CQ	Stuck in standby.	1.6a fuse on L/H side main PCB.
Hitachi	NP84CQ	The picture would roll. EHT trip thyristor operati	R908 in the regulator circuit had risen in value from 22k .The fault could also occur with Models CPT1444 and CPT1446.
Hitachi	NP84CQ	Top of the picture blanked out	C905 o/c 100mfd 200v (next to tuner)
Hitachi	NP84CQ/2	Channel display no other functions	Replace Q902
Hitachi	NP84CQ/2	DEAD BUZZES , ZD953 S/C	C908 4u7 160v
Hitachi	NP84CQ/2	Dead.	STR4211 IC901 power supply IC s/c , also change 2.7v zenor
Hitachi	NP84CQ/2	Distorted sound.	R423 ( 56R ) high in value.
Hitachi	NP84CQ/2	Int blowinf fuse.	TH901 posistor.
Hitachi	NP84CQ/2	line - tear - pulling & drift.	C214 ( 470uf ) of pin 7 of IC201
Hitachi	NP84CQ/2	NO PIC + SCREAMS	LOPT + TRANSISTOR SC
Hitachi	NP85	Appears dead but voltages on tube base	D920 , D919 in psu dry jointed or oc.
Hitachi	NP85	Teletext - coming over Tv picture.	IC2101 ( SAA1272 ) , SAA1251.
Hitachi	NP85CQ	blank raster no sound	TDA4505 no vid o/p chip faulty TDA4505E will work
Hitachi	NP85CQ	Dead - normal volts at crt base	Dry joints D920, 919 in psu
Hitachi	NP85CQ	No sound	TDA4505 -2Y chip faulty - Mod kit reqd to use TDA4505E
Hitachi	NP86	BLANK RASTER + NO SOUND	TDA4505 US-CHECK TYPE No-
Hitachi	NP86	INT LOSS OF PIC , GOES DARK	XTG2 17.73Mhz CRYSTAL ( IN TEXT MODE PIN 9 IC13 SHOULD BE 4v , IN MIX IT SHOULD PULSE , TV MODE ZERO. )
Hitachi	NP87	SET INT WON'T COME ON + BLOWS LINE OP TRANSISTOR E	C917 IN POWER SUPPLY 4u7
Hitachi	NP8CQ	Int colour.	One leg og R620 s/c to jumper lead J723.
Hitachi	NP8CQ	Int no colour.	Try adj R515 , make sure agc control R203 is turned up.
Hitachi	NP8CQ	OVER BRIGHT PIC , NO FLYBACK LINES	22mfd , 250v SMOOTHING CAP TO RGB OP. STAGES
Hitachi	NP8CQ	Standby - in standby at switch on.	BC548 also 4 7uf/22uf electrolytics.
Hitachi	NP8CQ	Startup - no startup.	Chopper transistor.



Hitachi	NP9A	Dead - Int dead.	DJs
Hitachi	NP9A	Line - pulling on verticals.	CRT conductive earthing , C983 , C907 , IC980.
Hitachi	NP9A	Standby - going into standby at switch on.	Check C919 if its a 22u f change it to a 220u f.
Hitachi	NP9A	Standby - going into standby int.	4.43Mhz crystal X1401. on memory PCB PC895.
Hitachi	NP9A	Standby - stuck in standby mode.	Change C919 to 220u F , replace C906/918 , drys on T901/703
Hitachi	NP9A	Tripping.	Q905 ( 2SA673 ) o/c.
Hitachi	NP9A	Width - reduced.	R756 o/c.
Hitachi	PAL4	Frame - foldover after 10 mins.	C613 ( 100u f ) o/c.
HITACHI	TN2166/2146	POWER SUPPLY TRIPS	SUSPECT DRY JOINTS ON IC952
Hitachi	TN2166/2146	POWER SUPPLY TRIPS	SUSPECT DRY JOINTS ON IC952
Hitachi/Fujian	HFS1425	Store function inoperative-Does not hold memories.	Pin2 of M58655 memory chip, must be at -30V. If not, check/replace C920 1uF/250V cap.
Hitachi/Fujian	HFS1425	Store function inoperative-Does not hold memories.	Pin2 of M58655 memory chip, must be at -30V. If not, check/replace C920 1uF/250V cap.

**Note this is information should only be used by a qualified technician.**



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