

SV.738 X'Press

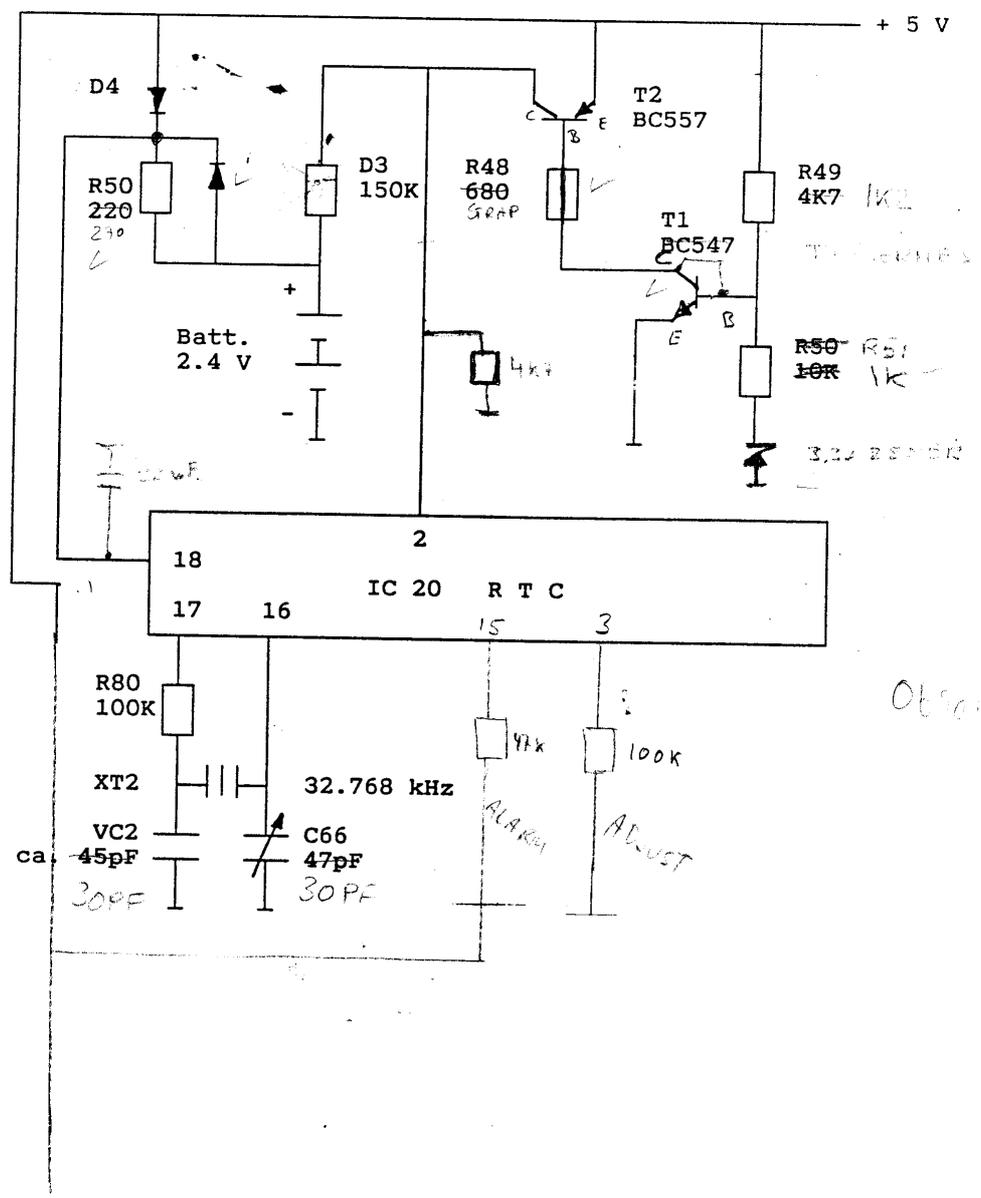
Clock circuit design notes

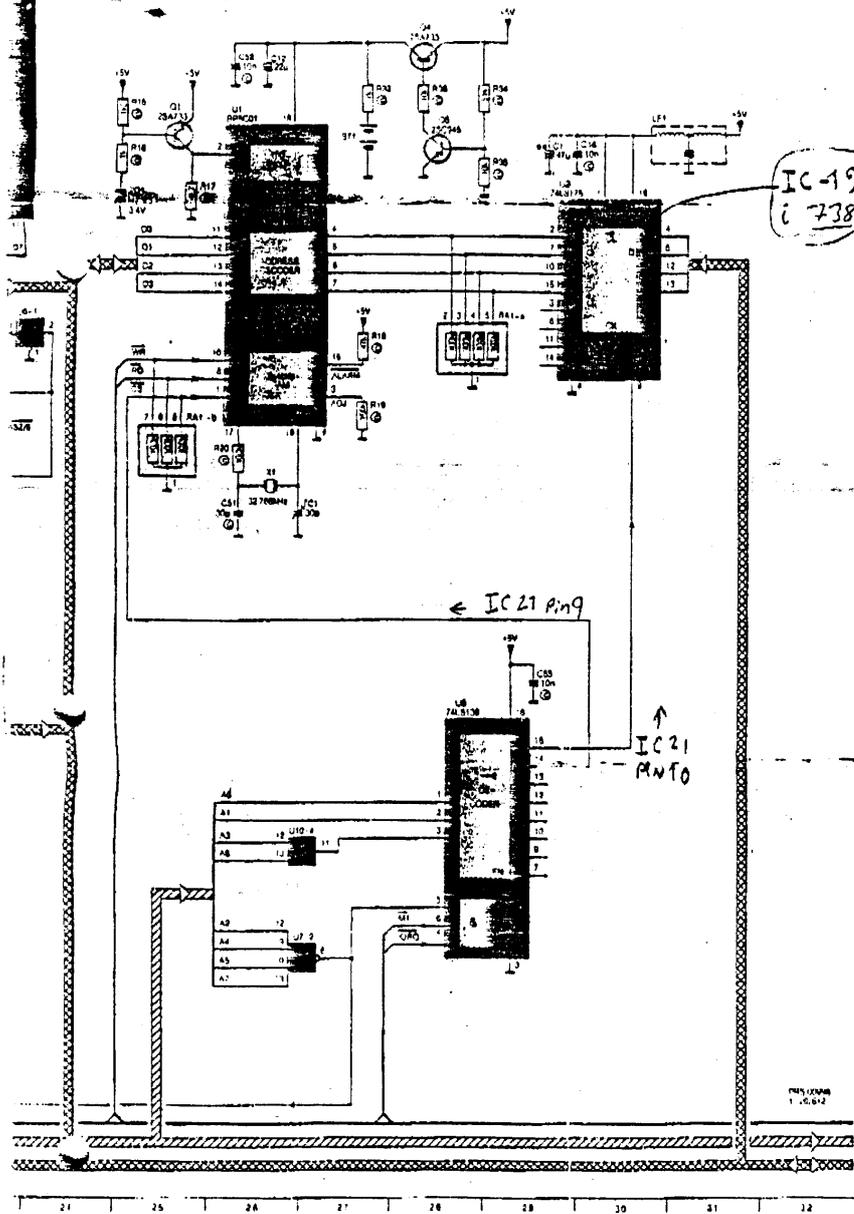
Information received from Dan Arnesen (Dan Derpaux) from Norway about alternative designs of the clock circuit around the RPC501 to be added to the SVI 738 for example.

Some notes are made by Henrik Gilvad, Denmark. Others are from people in Scandinavian countries.

Scanned and converted to PDF by HansO, 2002

HG'S VERSJON 732

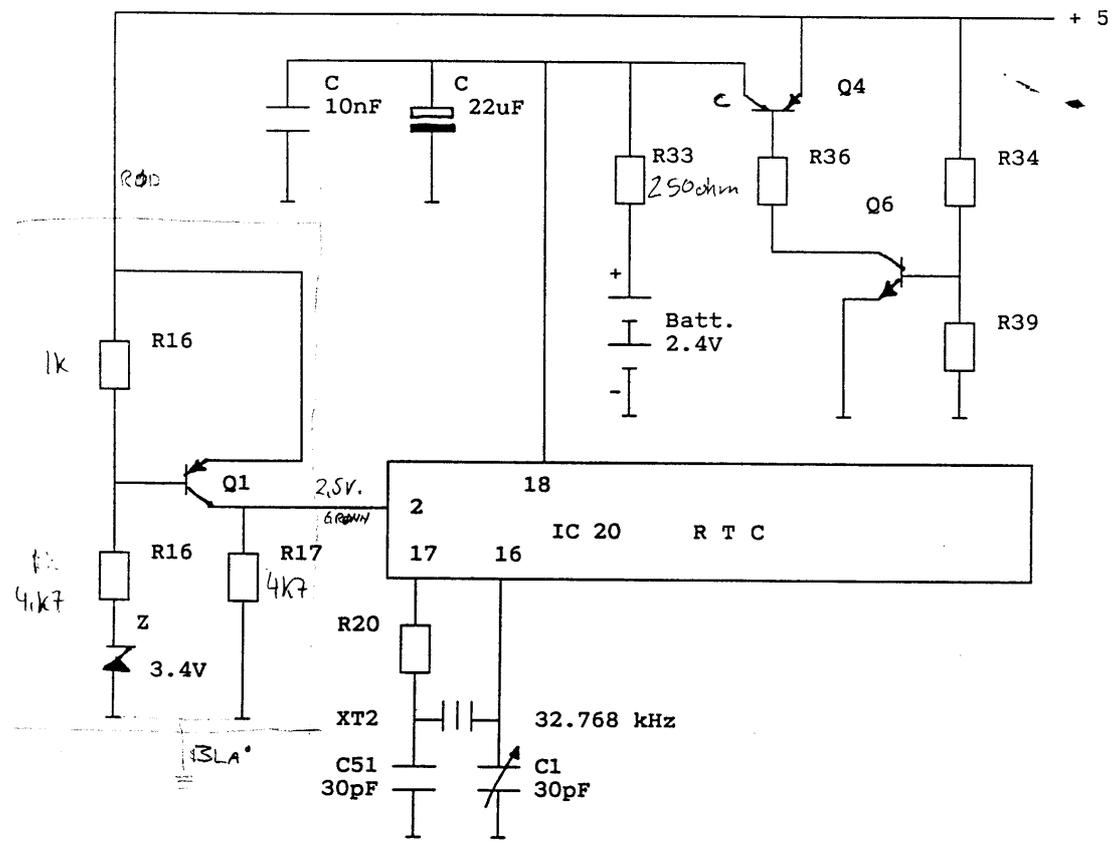




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CS 2 818

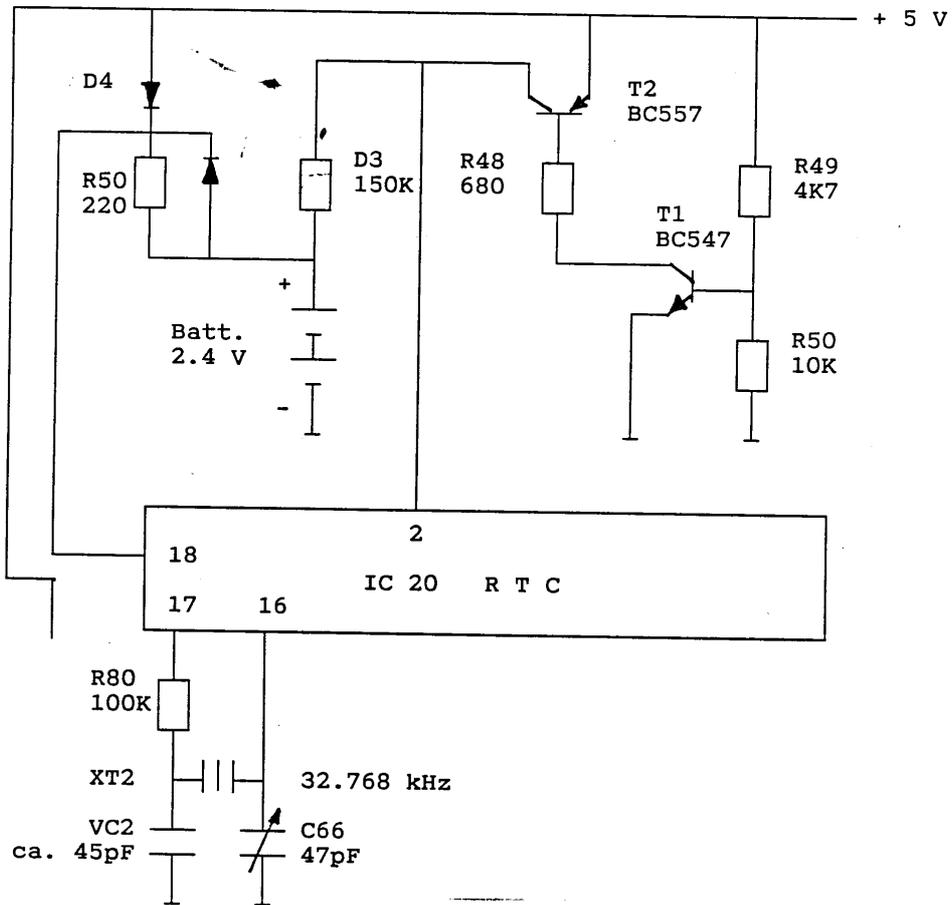
PHILIPS - 8235



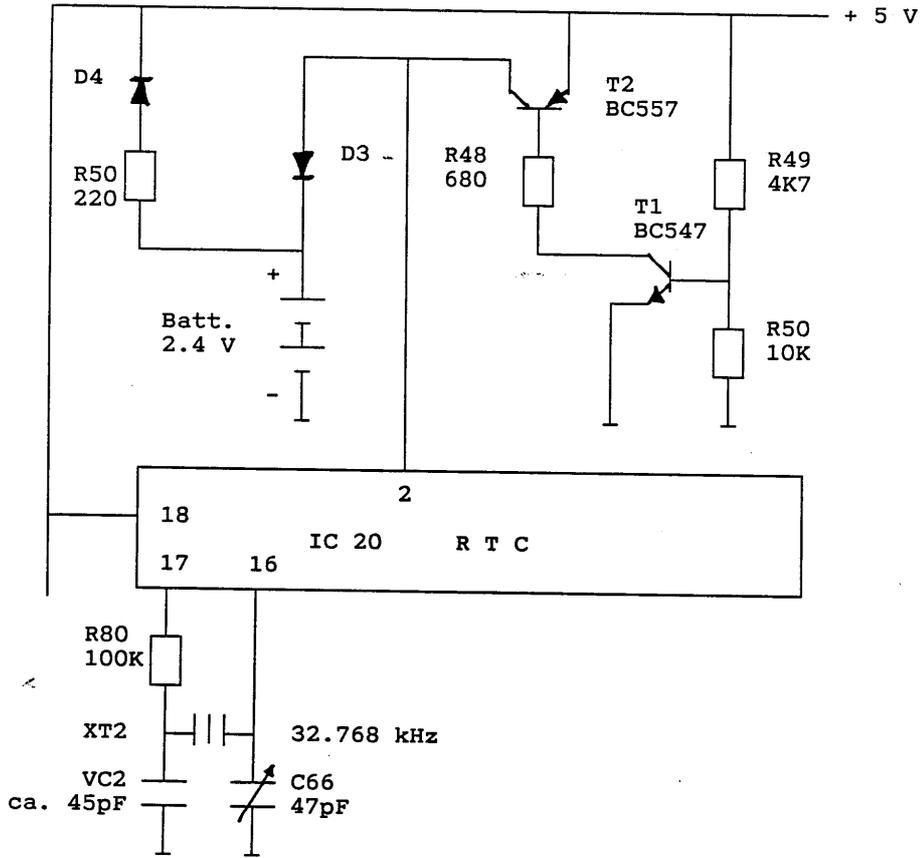
loft coil Q4

250ohm i serie med +batt

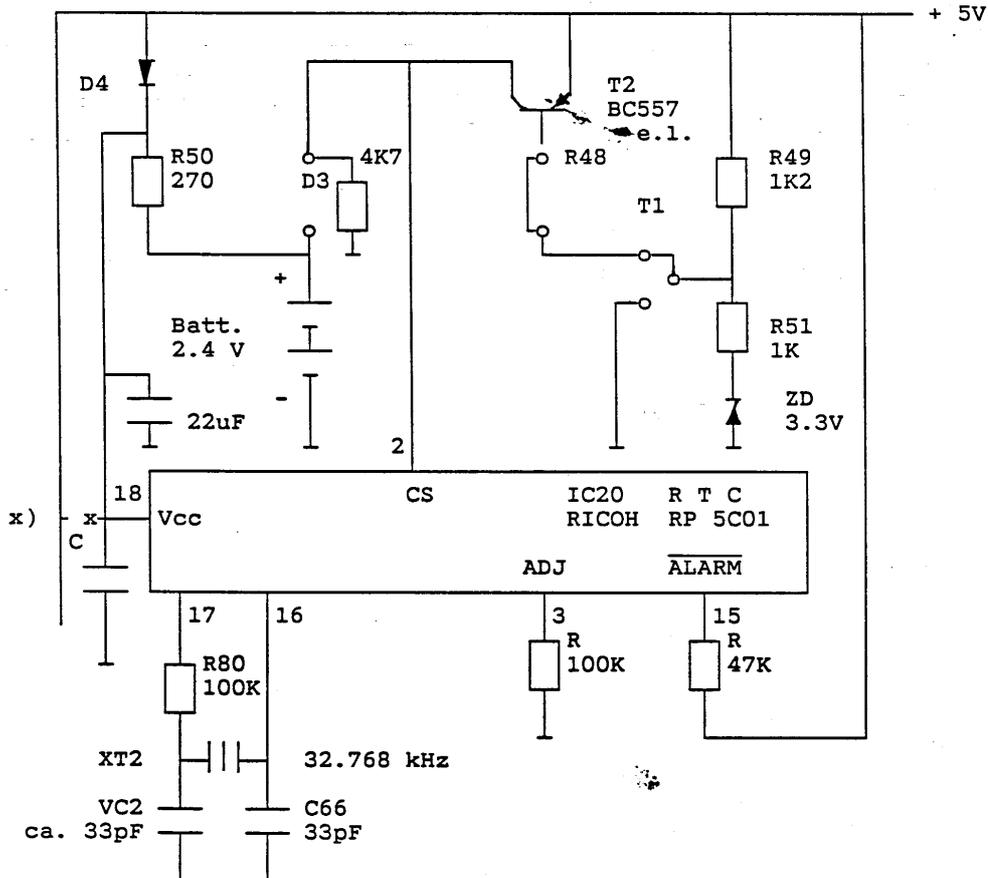
HG'S VERSJON 738



ORIGINAL 738



KLOKKEKRETS TIL SVI 738 X'PRESS (ORS VERSJON)



x) Printbanen brytes ved IC20 pin 18, på undersiden av printet.

R80 = 100 K
 VC2 = ca. 33 pF
 C66 = " 33 pF
 XT2 = 32.768 kHz

D4 settes inn motsatt vei i forhold til merkingen på printet.
 Strapp fra IC 20 pin 18 til et punkt mellom D4 og R50.
 Strapp settes inn istedet for R48.

Strapp T1 basis og kollektor (istedet for transistor).
 Zenerdiode 3.3V settes inn i serie med R51.
 Motstand 4K7 settes inn mellom jord og kollektor på T2 (pos. D3).

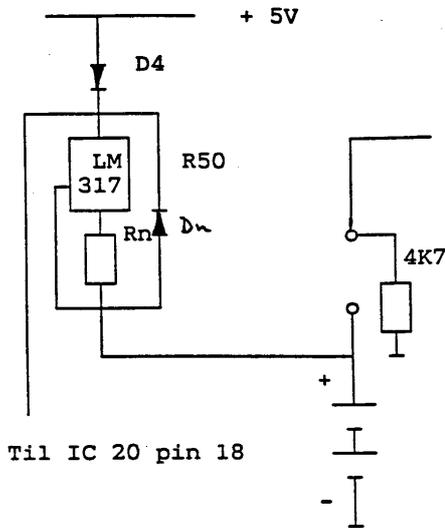
Motstand 47K settes inn mellom IC20 pin 15 og +5V.
 Motstand 100K settes inn mellom IC20 pin 3 og jord (eventuelt justerbar)

Batteri 2.4V (oppladbart) 150-180 mAh.

D4 og R50 fungerer nå som ladekrets for batteriet. T2 legger 5V. på IC20 pin 2. når strømmen er på (som på Philips). Når strømmen er slått av legges IC20 pin 2. lav gjennom motstand 4K7 i posisjon for D3.

ALTERNATIV LADEKRETS

Ladekrets bestående av bare en motstand er noe primitiv. Ved helt utladet batteri vil strømforbruket bli noe (for) høyt.



Spenningsregulator istedet for R50. (LM 317)
Spenningsregulatoren koplet som strømregulator gir en konstant ladestrøm
avhengig av motstanden i serie, uansett batteritilstand.
Dioden parallellt med ladekretsen er nødvendig for å gi strøm til IC20
(pin 18) når maskinen er slått av.

ALTERNATIV TIL NICE BATTERI ER ET FAST BATTERI F. EKS. LITHIUM

Dette batteriet har meget lang levetid og må/kan ikke lades, derfor faller behovet for ladekrets helt bort.

