

### Working theory of transmitter:

When the transmitter was sloped 45 degree to appointed bearing, the bead switch transmit a pulse to the eighth pin of CPU, the SCM start to work, the inner calculagraph start to time and the transmit signal from fourth pin according to the stated code. The fourth pin of CPU stop transmitting signal when the time get 3 seconds, and the CPU stop working as far as the time get 5 seconds, then preparing to receive next triggering signal. During these 5 seconds, CPU doesn't answer any triggering signal. Q3 (9018), X1, R6, C3, L1 and L2 make up of surge transmit circuit, the work estate of it was controlled by the forth pin of CPU, it means that this circuit only work base on there is a signal transmitted by the forth pin of CPU.