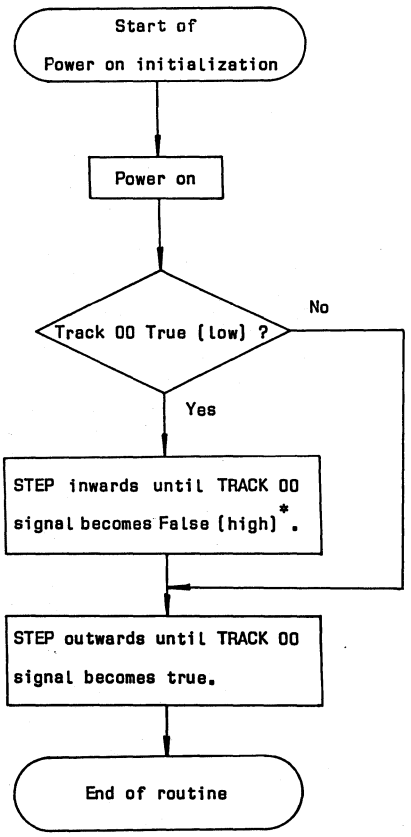
SECTION 4
POWER ON INITIALIZATION

In order to reduce the peak current requirement when used in a daisy chain, the MP-F52W has been designed not to seek track 00 automatically. If all the drives connected in the daisy chain sought track 00 simultaneously, this would place a significant power drain on the host system.

Thus, the host system must perform the following routine just after power on in order to reset the track counter inside the drive.

Power On Initialization

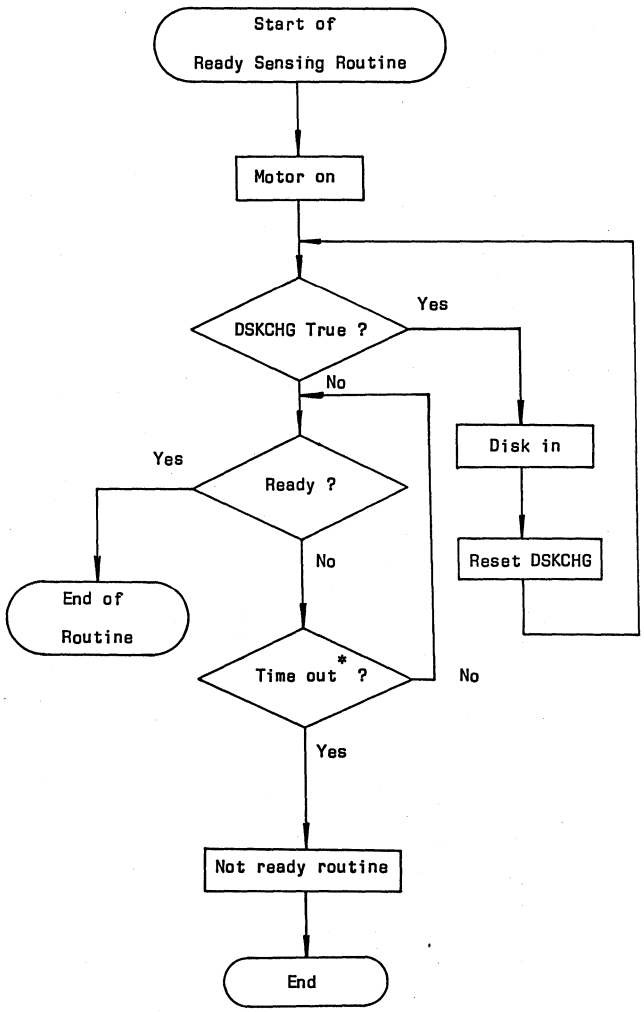


* Track 00 signal becomes false (high) by sending at minimum 20 STEP pulses (inwards) to the drive.

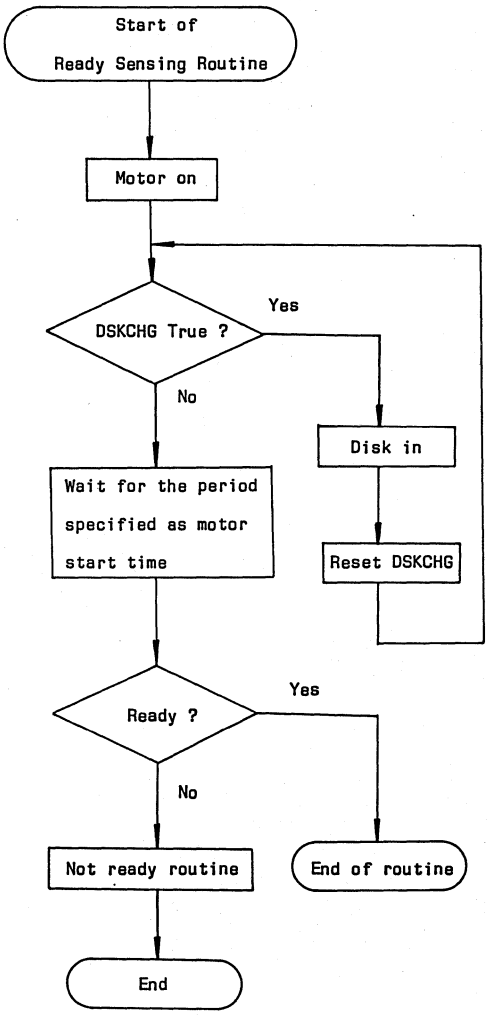
SECTION 5
READY SENSING METHOD

The following routine is recommended to shorten the waiting time and also permit the use of a disk which has a load torque that exceeds 50g-cm.

Recommended Method



Conventional Method



* The period until time out : Min. 3sec

As long as the load torque generated by the disk is not more than 50g-cm (ANSI specification), the motor start time will not be more than 900msec. The conventional method of detecting when the READY signal becomes true is shown in the right column. Since this method only checks the status of the READY signal after 900msec have elapsed, a shorter motor start time cannot be achieved with this routine.

If the load torque is greater than 50g-cm then the conventional method of READY sensing will indicate "not ready" whenever it takes more than 900msec to achieve the specified rotation velocity.