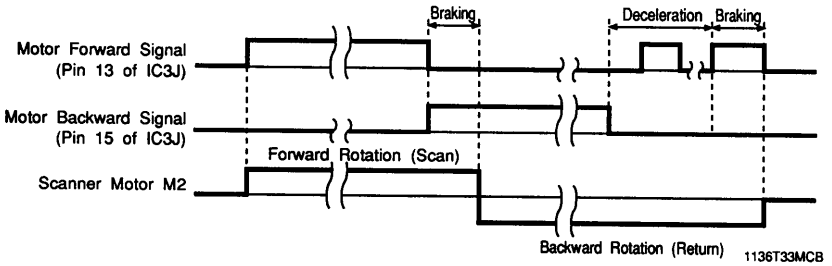
<Scan/Return Switching and Braking of Scanner MotorM2>

- Scanner Motor M2 is turned forward to move the Scanner in the scan direction, turned backward to move the Scanner in the return direction, or braked by the Motor Forward and Motor Backward signals input from pins 13 and 15 of IC3J on SCP Board PWB-J. Details are as follows.

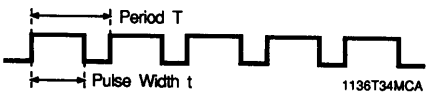
	Motor Forward Signal (Pin 13 of IC3J)	Motor Backward Signal (Pin 15 of IC3J)
Turns Forward	H	L
Turns Backward	L	H
Braked (in Scan Motion)	L	H
Braked (in Return Motion)	H	L

- The brake control in the return motion is provided as follows, since M2 builds up its speed to the maximum level during the return motion. The Motor Backward signal is first alternated between HIGH and LOW states to reduce the input voltage to M2 to a low level. After M2 is decelerated to a given speed through this operation, the above brake control is performed.



<Scanner Speed Control>

- The speed of Scanner Motor M2 is controlled by varying the width of the Scanner drive pulse which is output from pin 38 of IC2J on SCP Board PWB-J. (This means that the current flowing through M2 is varied.)

	Scanner Drive Pulse (Pin 38 of IC2J) Output Waveform
High-Speed Rotation	
Low-Speed Rotation	