

General Motor Knowledge
Part 21

Motor Nameplate

(The Model Number, Continued)

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June 22, 1994
GMK21.wp5

We are in a discussion of our nameplate information and are currently looking at our model numbering system. We have discussed motor type, number of poles, stack length if necessary, motor output rated in watts and a description of the endbell. The next few letters of the model number define which mounting holes are required. An explanation of our mounting holes, without the aid of pictures, would require more room than this page and will not add to our general discussion. Ask your supervisor if you need to know. We have several prints available to help with an explanation.

The mounting position considered normal for our motors is with the shaft extending horizontally (from side to side) from the front cover. Normal shaft rotation is clockwise looking from the lead end (backcap). Any change from this requires something special to be done to the motor. Letters describing these differences follow the mounting hole description. If the shaft extends to the rear, we designate it as a "J" in this model number position. If the shaft extends front and rear (double) we designate it as a "D". Counter clockwise rotation is "R". The letter "V", vertical, indicates that the motor is configured to operate with the shaft pointing up. All angle "A" indicates that the motor is mounted with the shaft pointing down.

SP-B6LEJ1 is a 4-pole shaded pole, B-frame, cast iron bossed endbell because there is no designator to indicate otherwise. The "L" and "E" mounting holes are provided. The shaft extends out the rear "J" and rotates clockwise. We should be able to finish our model number discussion next time.