HOSHIZAKI AMERICA, INC.

SERVICE BULLETIN

SB95-0008
November 27, 1995

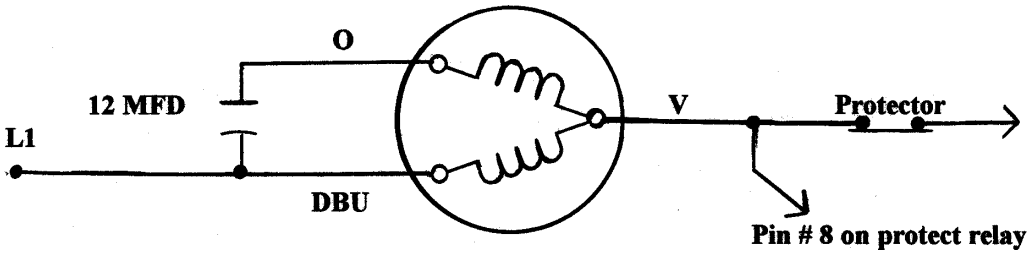
SUBJECT: Gear Motor Change

The original gear motors for the units listed below are no longer available from the manufacturer. A sub replacement is available as shown.

Model	Original part #				Sub part #
F-250BAA	2U0105-01	>>	2U0146-01	>>	2U0147-01
F-250BAE	2U0146-01				2U0147-01
F-441U	427224-01				2U0140-01
F-440BAA	427224-01				2U0140-01
F-450BAB	2U0105-01	>>	2U0146-01	>>	2U0147-01
F-450BAE	2U0146-01				2U0147-01
F-650M_B	2U0105-01				2U0147-01
F-650M_E	2U0146-01				2U0147-01
DCM-451U	427224-01				2U0140-01
DCM-450B_A	427224-01	>>	2U0102-01	>>	2U0140-01
DCM-450B_B	2U0102-01				2U0140-01

You will notice that there are only two gear motors available from the Hoshizaki parts department now. There may be a few of the original parts numbers still in distributor parts inventory.

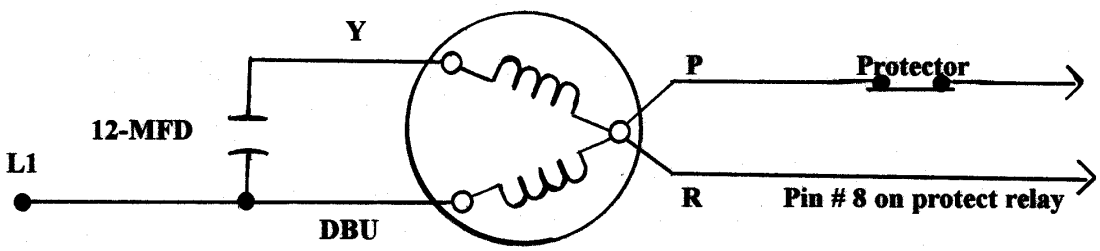
Some original gear motors had three wires using the color code below.



(V will be either violet or red)

(Figure A)

Some replacement subs have four wires using the color code as shown in the drawing below. An internal connection is made on the pink and red wires making them the same point. This will be evident if you ohm out the windings with a good quality ohm meter. Use this drawing when installing the four wire replacement.



(P may be appear pink or orange.)

(Figure B)

Y is considered the start winding. **P and R** are considered the common and **DBU** is the run winding. L1 **must** be connected to the DBU side of the capacitor. When checking with a good quality ohm meter, you will find that the resistance between Y and DBU will total the sum of Y to R or P, plus DBU to R or P. The resistance of Y to P or R will be higher than DBU to P or R.

All Auger gear motors contain an internal thermal overload protector. If this overload trips, it will automatically reset when the windings cool down.