

## 3SDB SERIES

# DYNAMIC BRAKING OPTION FOR STATOTROL\* II DC MOTOR CONTROLLERS RATED 2 HORSEPOWER OR LESS

### DESCRIPTION

The dynamic braking option consists of a power resistor with two plug-in leads and a mounting assembly.

Normally closed relay contacts connect the resistor across the motor armature whenever the control station stop button is pressed. The motor then acts as a generator and dissipates its rotational energy as heat in the resistor.

### INSTALLATION

Refer to Figure 2 of instruction book GEK-36370 for the correct location and orientation for mounting the dynamic braking resistor. The mounting plate must be installed first. Two Number 6-32 screws are provided for attaching the mounting plate to the heat sink pedestal.

#### CAUTION

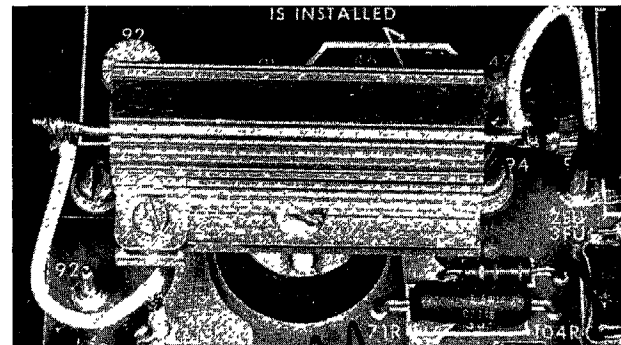
The insulating sleeve around the heat sink pedestal must not be pinched between the pedestal and the DBR mounting plate. The mounting plate must be seated firmly on the pedestal to provide heat sinking for the resistor.

The power resistor should then be attached to the mounting plate with the two Number 4-40 screws which are provided.

#### CAUTION

Do not substitute screws since longer screws may touch live conductors on the main component board.

Connect the dynamic braking resistor to points 91 and 93 as shown in Figure 1.



ELECTRICAL CONNECTIONS FOR DBR OPTION

Figure 1

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*These instructions do not purport to cover all details or variations in equipment nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purposes, the matter should be referred to General Electric Company.*

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