



**UNITED  
TECHNOLOGIES  
CARRIER**

Commercial Division  
Carrier Corporation

BULLETIN: CA-SB-19-E-77-89  
DATE: 2/21/78  
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## SERVICE BULLETIN

SUBJECT:

**REPLACEMENT OIL PUMP STARTERS AND HEATERS**

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### PURPOSE

To advise of the availability of replacement oil pump starters and heaters from the Service Parts Center.

### MACHINES AFFECTED

19DG machines shipped as of July 1976.  
19EA machines shipped as of February 1977.

### INFORMATION

19DG and 19EA machines, as indicated above, are shipped from the factory with an oil pump starter included. Table 1 lists part numbers for the heaters required for each starter and some design information.

*NOTE: The Cutler-Hammer starter and the General Electric starter each has its own heaters, and the heaters are not interchangeable.*

Only the Cutler-Hammer starter, Carrier Part No. HNO3AC800, may be ordered from Service Parts Center. If it is necessary to replace a General Electric starter, itself, order a Cutler-Hammer starter and the applicable heaters for the required voltage.

Figures 1 and 2 show the placement of the heaters in the starters. Cutler-Hammer heaters must be placed with the pointed ends down and to the left as shown in Fig. 1.

Figures 3 and 4 show the location on the heater of the last four digits of the vendor catalog number.



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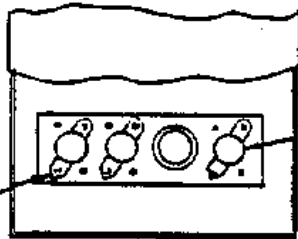
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Heaters must be  
placed as shown.

Fig. 1. Placement of  
Cutler-Hammer Heaters

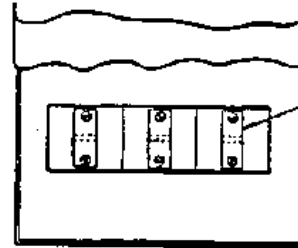


Fig. 2. Placement of  
General Electric Heaters



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**Table 1. Replacement Heater Part Numbers for 3-Phase  
Cutler-Hammer and General Electric Starters**

Heaters (3 required)		Voltage	Hz	FLA	LRA
Cutler-Hammer Carrier Part No.	General Electric Carrier Part No.				
HN71AZ850	HN71HZ060	200-240	60	1.6	11.5
846	064	380-440	60	0.9	5.62
843	052	550-600	60	0.6	4.55
852	065	220-240	50	2.0	13.1
846	064	380-440	50	0.9	5.8
HN71AZ855	HN71HZ070	200-240	60	3.52	27.8
857	073	220-240	50	4.54	29.5
851	061	380-480	60	1.77	13.4
852	065	380-440	50	1.97	13.5
848	057	550-600	60	1.28	9.62

**NOTES:**

Cutler-Hammer starter is available from Service Parts Center,  
Part No. HN03AC800.

General Electric starter is not available from Service Parts  
Center, but can be replaced with Cutler-Hammer starter.