MOTOR-DRIVEN
CHARGING GENERATORS
REQUIREMENTS AND ADJUSTING PROCEDURES

1. GENERAL

1.001 This addendum supplements Section 155-512-701, Issue 7-D. Place this pink sheet ahead of Page 1 of the section.

1.002 This addendum is reissued to change a bearing lubrication procedure. The Equipment Test List is not affected.

1.003 This addendum also specifies the use of KS-19578 L1 trichloroethane wherever KS-8378 trichloroethylene is now specified. The same precautions that apply for KS-8372 trichloroethylene shall apply to the KS-19578 L1 trichloroethane.

3. ADJUSTING PROCEDURES

The following changes apply to Part 3 of this section:

Change 3.01(9)(b) to read as follows.

(b) Remove the drain plug and scoop out as much of the old grease from the drain hole as it is possible to reach with an orange stick. This should remove old coagulated grease and permit pressure relief as the new grease is forced in. ▷If on inspection the grease feels gritty, or is hardening like soap, or appears dirty other than normal discoloration; the outer bearing cover should be removed and the bearing and bearing housing cleaned. The bearing and housing should be washed with KS-7860, Petroleum Spirits, rinsed with KS-6232, Light Mineral Oil, and then packed with 260-300P grease or equivalent (see Section 065-330-102). Apply fresh grease around the balls, filling the space between the inner and outer ball races flush with the sides of the races. Make no attempt to force grease into the spaces between the balls. Fill the bearing chamber approximately 1/3 full of grease and replace the plate.

Caution: Avoid contaminating the grease and/or allowing dirt to get into the bearing or housing during lubrication.◁

Paragraph 3.11(4) should read as follows:

(4) To set a Baylis-type brush holder at the correct angle, cut a guide template as described below. Reproduce Fig. 24 on a piece of stiff cardboard, making the radius of the arc equal to the radius of the commutator. The radius is one-half of the diameter, which may be obtained by measurement, or the minimum diameter shown in 2.09 (c) may be used. Draw a radius and, where it crosses the arc (point A), draw a line AC at a right angle to it. This will be tangent to the arc. From point A, measure 2 inches along this line and draw another line BD at a right angle. Measure along this line 3-1/2 inches from point C for a General Electric or Electric Products machine and mark the point B. For a Hertner Electric machine, measure 3 inches from point C. Draw a line AB. In the first case, this line will be at an angle of 60 degrees to the tangent and, in the second, at an angle of 56-1/2 degrees. Draw another line EF parallel to, and to the left of, the line AB at a distance from it equal to one-half the thickness of the brush. Cut the template as shown and, first loosening the setscrew which holds the brush holder to its stud, place the template against the commutator surface and side EF against the slide surface of the brush holder, rotating the holder to obtain the required angle. Tighten the setscrew firmly.