

MAINTENANCE

Cleaning the Generator Commutator

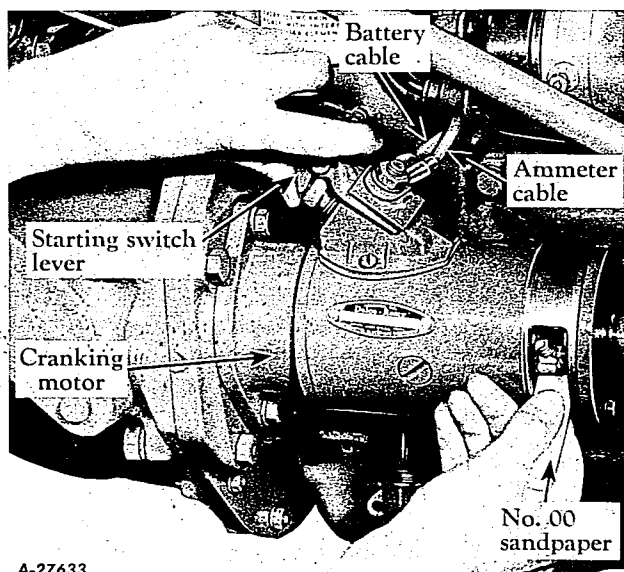
If the commutator is dirty or slightly grooved, it can be polished by placing a piece of No. 00 sandpaper on the commutator while the armature is slowly revolving. See *Illust. 38A*. Never use emery or carborundum cloth. Blow all dust from the commutator after the polishing operation is finished.

If the commutator is badly worn, rough or out-of-round it is advisable to take the unit to your International Harvester dealer, and have the commutator reconditioned.

Generator Lubrication (2 Cups)

Follow the lubricating instructions for the generator as outlined in the "Lubrication Guide." Do not lubricate excessively, since excessive oiling may cause the oil and grease to gum on the commutator, and will result in a reduction of the generator output and increased commutator and brush wear.

Never oil the commutator or lubricate the generator while it is in operation.



Illust. 39

Cleaning the cranking motor commutator.

Cranking Motor

The cranking motor is mounted on the right side of the clutch housing.

At regular intervals, remove the cranking motor commutator cover and inspect the commutator.

To clean the commutator, pull out cable "B" (*Illust. 32A*) from the magneto coil cover. Remove the cranking motor cover band. Depress the starter switch by pulling back on the starter switch lever and, with the cranking motor operating, insert a piece of No. 00 sandpaper over the commutator to clean off dirt and discoloration. See *Illust. 39*. Never use emery or carborundum cloth. Always blow out the commutator compartment after cleaning.

Cranking Motor Lubrication

The cranking motor has oil-less type bushings at both the commutator and drive ends and requires no lubrication except when the cranking motor is removed for service repairs.

At this time it is recommended that a few drops of light engine oil be applied to both bushings.

Removing the Cranking Motor

1. Disconnect the ground cable from the battery.
2. Remove the battery cable and the ammeter cable from the terminal on the cranking motor switch. See *Illust. 39*.
3. Remove the two cap screws which hold the cranking motor to the crankcase and lift the complete cranking motor forward and away from the engine.

Installing the Cranking Motor

To install the cranking motor, reverse the removal procedures.