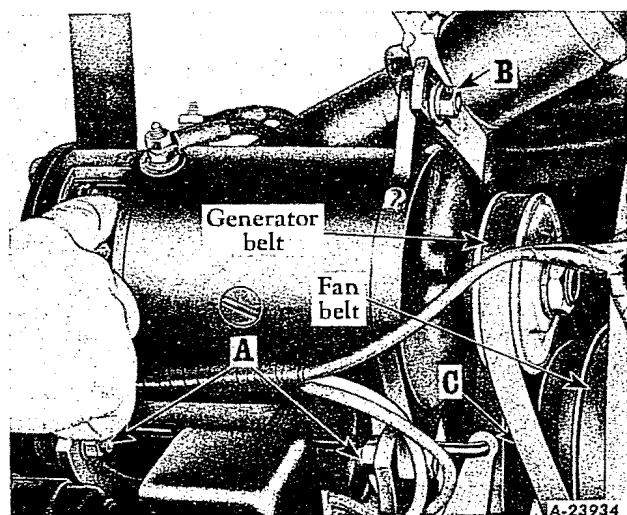


MAINTENANCE

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. 42*. 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.



Illust. 42

Cleaning the generator commutator.

Generator Lubrication

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.

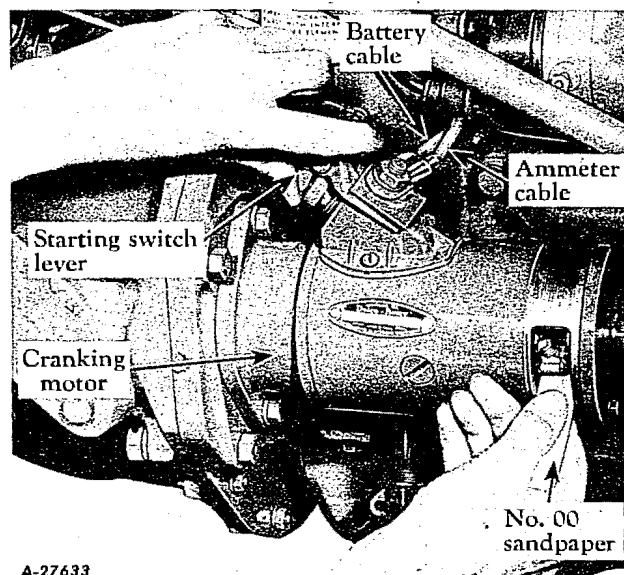
Never oil the commutator and do not lubricate the generator while it is in operation.

Cranking Motor

The cranking motor is mounted on the right side of the engine crankcase, in front of the clutch housing.

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

Cleaning the Cranking Motor Commutator



Illust. 42A

Cleaning the cranking motor commutator.

To clean the commutator, pull out cable "A" (*Illust. 33B*) from the center socket on the distributor cap. Remove the starting motor cover band. Depress the starter switch by pulling back on the starter switch lever and, with the starting motor operating, insert a piece of No. 00 sandpaper over the commutator to clean off dirt and discoloration. See *Illust. 42A*. Never use emery or carborundum cloth. Always blow all dust from 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. 42A*.
3. Remove the two cap screws which hold the cranking motor to the crankcase and remove the complete cranking motor.

To install the cranking motor, reverse the removal procedures.