

## Removing Armatures

1. Remove spark plug leads and spark plugs.
2. Remove rotating screen and blower housing.
3. Remove armature screws and lift off armature(s), Fig. 1.

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- a. Disconnect stop switch wires at armatures.

**Note:** The flywheel does not need to be removed to service MAGNETRON® ignition except to check the flywheel key.

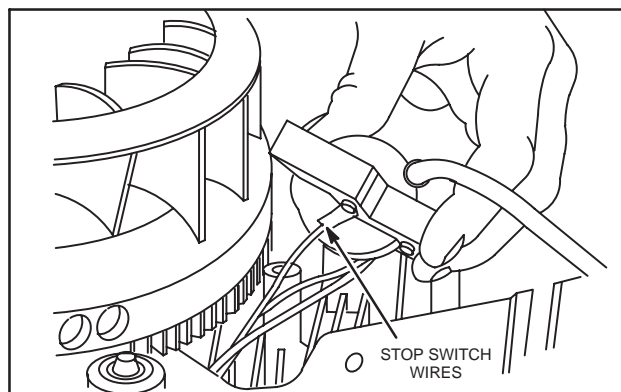


Fig. 1 – Removing Armature

## Install Armatures

1. Turn flywheel so magnet is away from armature.
2. Install ground wire onto tab terminal on armature.  
**Note:** Make sure wires are routed over armature mounting posts and away from flywheel.
3. Assemble armature to engine, Fig. 2.  
a. Mounting holes in armature are slotted. Push armature away from flywheel as far as possible and tighten one screw to hold armature in place.
4. Repeat for second armature.

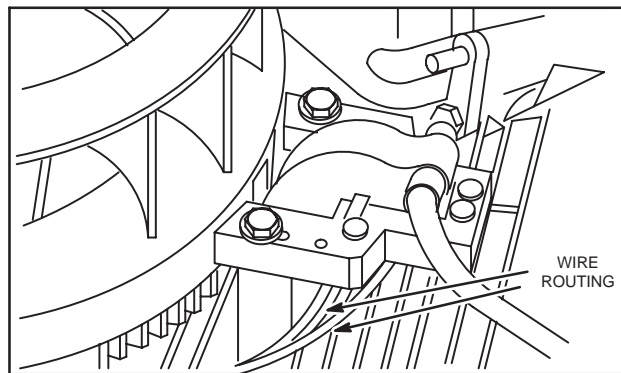


Fig. 2 – Installing Armature

## Adjust Armature Air Gap

1. Rotate flywheel until magnet is under armature laminations.
2. Place thickness gauge, .008"-.012" (0.20-.30 mm) between magnet and armature laminations, Fig. 3.
3. Loosen mounting screw so magnet will pull armature down against thickness gauge.  
a. Torque screws to 25 in. lbs. (3.0 Nm).
4. Rotate flywheel to remove thickness gauge.
5. Repeat for second armature.

**Note:** Route armature ground wire between breather tube and air horn.

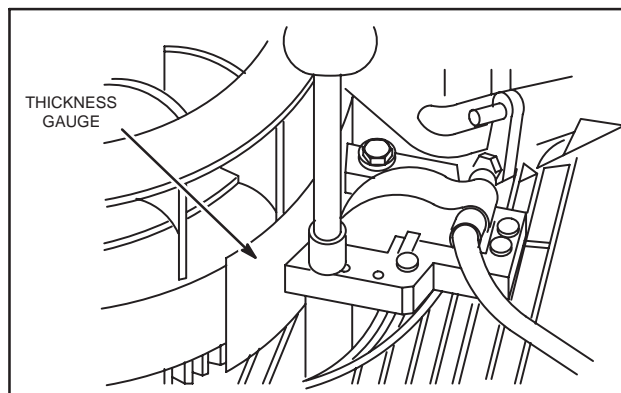


Fig. 3 – Adjusting Air Gap

## FLYWHEEL

### Remove Flywheel

**Note:** For engines not equipped with fan retainer use flywheel holder Tool # 19433. First remove armatures.

1. Place flywheel holder, Tool #19489 on fan retainer with lugs of flywheel holder engaging slots on the fan retainer, Fig. 4.
2. Remove flywheel nut and washer.
3. Remove fan retainer and fan.

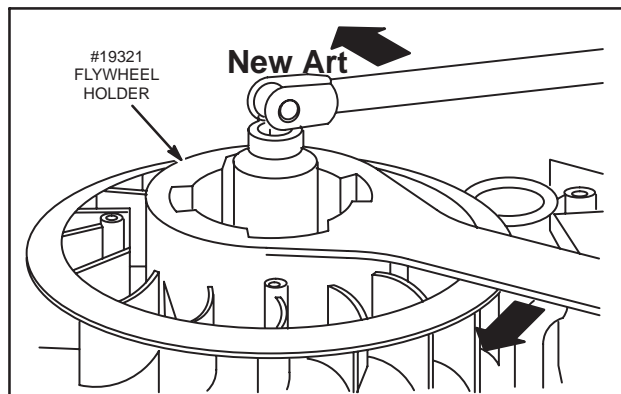


Fig. 4 – Removing Flywheel Nut