

## MTD ENGINES (Vertical)

**Part Numbers Affected:** 619-05089 / 919-05089 Flywheel (Engines 11/2013 to current).  
751-12223 / 951-12223 Flywheel (Engines produced up to 10/2013).  
751-12207 / 951-12207 Starter Assembly.

**Engine Models Affected:** 4P90 (420cc) Vertical Engines (Includes All Various Models).

**Engine Serial**

**Number Range Affected:** All Engines Manufactured (until further notice).

**Date:** March 27, 2017

**Subject:** Starter / Ring Gear Issue

FIX-AS-FAIL

**NOTE:** These materials are prepared for use by trained technicians who are experienced in the service and repair of equipment of the kind described in this publication, and are not intended for use by untrained or inexperienced individuals. Such individuals should seek the assistance of an authorized service technician or dealer.

**NOTE:** Always wear eye protection while servicing equipment. Wear hearing protection when appropriate. Always work in a well ventilated area and follow all safety precautions when dealing with combustible materials.

**NOTE:** Left (LH) and Right (RH) sides are determined from the operator's position and facing in the forward direction.

**PURPOSE:**

We have seen possible damage of the starters and or ring gears on the above listed Engine Models on all engines manufactured. Until further notice follow the Steps under "Action Required".

**ACTION REQUIRED:**

1. Check the starter assemblies on the above listed Engine Models Affected for damage. If the starter housing is found to be cracked or broken as shown in Figures 1 and 2, proceed to Step 2 to inspect the flywheel ring gear.



**FIGURE 1**



**FIGURE 2**

2. Check the flywheel ring gear for broken or missing teeth as shown in Figures 3 and 4.

**NOTE:** Check the full 360 degree circumference of the ring gear for any missing teeth.



**FIGURE 3**



**FIGURE 4**

3. If the ring gear is found to be damaged as in Figures 3 and 4, replace the flywheel.

**NOTE:** Replace the flywheel even if only one tooth is missing on the ring gear of the flywheel.

4. Order from your parts source the correct flywheel assembly per the engine model and serial number. (See the list below).

Qty. (1) **919-05089** flywheel (Engines 11/2013 to current).

**OR**

Qty. (1) **951-12223** flywheel (Engines produced up to 10/2013).

5. Order from your parts source

Qty. (1) **951-12207** starter assembly.

6. Install the new flywheel and starter assembly.

7. Torque the two starter mounting bolts to 195 - 221 in. lbs (22 -25 Nm).

8. Torque the flywheel nut to 74 - 85 ft. lbs. (100 - 115 Nm).

9. Torque the blower housing studs to 80 - 106 in. lbs (9 - 12 Nm).

10. Submit a warranty claim for parts and labor (one engine per warranty claim).

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Warranty: Normal warranty terms apply. Indicate Service Advisory **CC-952** and **751-12207** as the original failed part on the claim. Repair time allowance is **1.75** Hrs.

**Mandatory>>>**When completing the warranty claim, select the drop down text shown below for the following claim fields:

**GROUP CODE:** New Service Parts

**FAIL CODE:** Damaged From Other Parts

**WORK PERFORMED:** (Type In) Replace Flywheel and Starter Assembly

SERVICE MANAGER	PARTS MANAGER	SALES MANAGER	SERVICE TECH.	SERVICE TECH.

Circulate and Initial