

Clinton SERVICE BULLETIN

NO. 89

SEC. VIII, DIV. A
RECOIL STARTER CUPS
Issued May, 1959

Subject: RECOIL STARTER CUP

In some instances when an engine equipped with a recoil starter is used under extremely dirty conditions, dirt will pack under the pawls and hold the pawls in the retracted position. When this happens, the starter will not engage and will, therefore, not operate.

When this is encountered, the starter should be removed and the starter cup taken from the engine. The starter cup should then be disassembled and the cup cut away to allow the dirt to be thrown free due to centrifugal force.

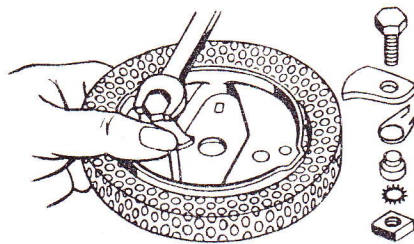


Fig. 1

Below is outlined the procedure for disassembly, cutting away and reassembly of this cup.

1. Remove Recoil Starter from engine.
2. Remove Flywheel Nut and Starter Pulley.
3. Unfasten Starter—holding pawls in place.
4. Remove first pawl with care, **after** unfastening spring (Fig. 1).
5. Remove other pawl in similar manner.
6. Screen can then be removed (Fig. 2).
7. Measure $\frac{3}{8}$ " from indentation on pulley towards the point where the pawl touches outer edge (Fig. 3). Mark and cut edge with hacksaw down to base of cup (Fig. 4). Measure $\frac{3}{8}$ " further and mark and cut with hacksaw in similar manner. Use pliers and snap out metal between these cuts (Fig. 5). File rough edges off with file (Fig. 6).
8. Repeat procedure on other side.
9. Reassemble pawls on starter pulley.
10. Be sure the bolts are torqued to 90 inch pounds.
11. If star washer is not included, stake the nuts to the bolts.

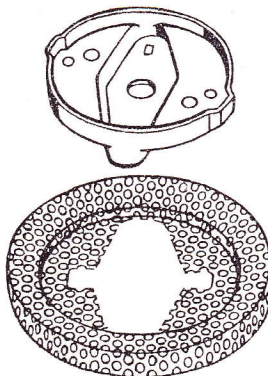


Fig. 2

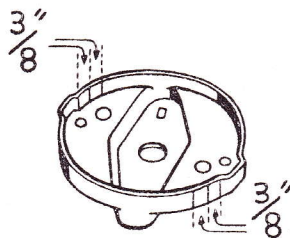


Fig. 3

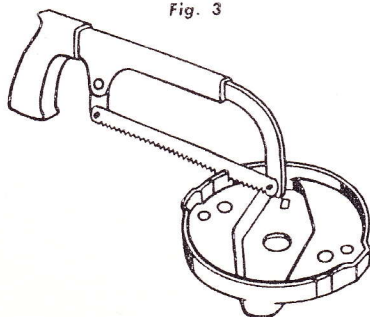


Fig. 4

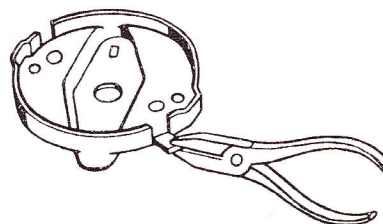


Fig. 5

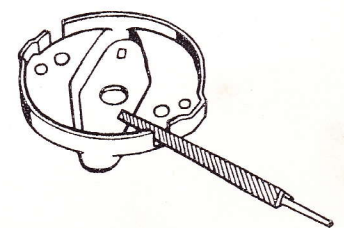


Fig. 6

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