

REPAIR MANUAL

RS Series

Vibrating Rammer

RS45, RS55, RS65, RS75

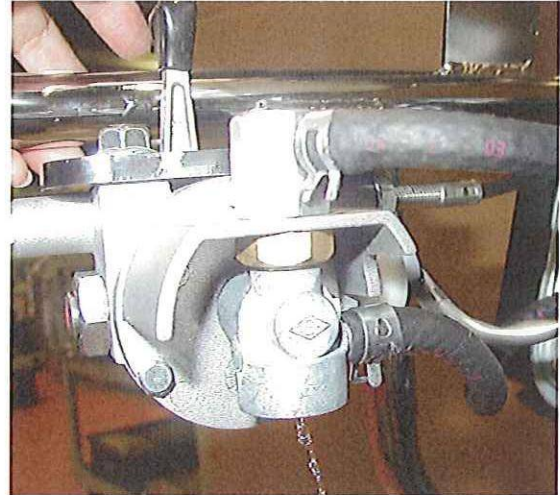
SAKAI®

Disassembly & Assembly Procedure

- 1. Dismounting the fuel tank**
- 2. Dismounting the lever assembly**
- 3. Dismounting the handle**
- 4. Dismounting the engine**
- 5. Dismounting/mounting the centrifugal clutch**
- 6. Disassembly of the crank case**
- 7. Disassembly of the cylinder assembly**

1. Dismounting the Fuel Tank

- (1) Remove strainer from the tank.
- (2) Drain fuel tank with throttle lever in "ON" position.



- (3) Loosen the hose clamp and pull off the fuel hose.

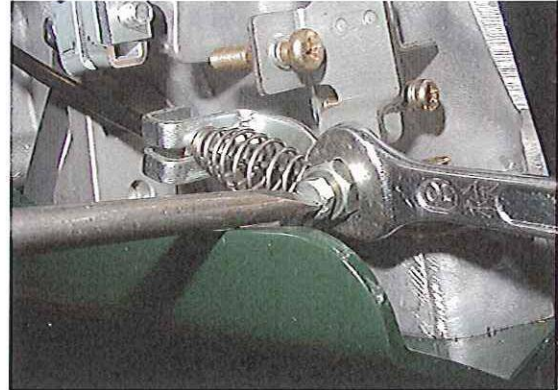


- (4) Remove bolts (2 pcs.) which fix the tank onto the bracket.



2. Dismounting the Lever Assembly

(1) Remove the throttle cable.



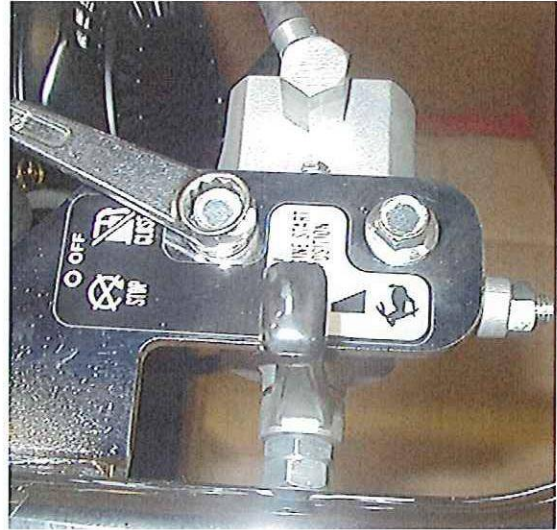
(2) Loosen the hose clamp and pull off the fuel hose.



(3) Disconnect the electric wires from the engine.



- (4) Remove bolts (2 pcs.) and
dismount the lever assembly.



3. Dismounting the Handle

- (1) Remove bolts (4 pcs.) and
dismount the handle.

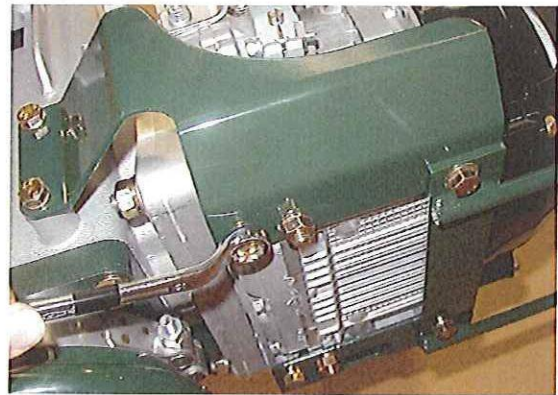


4. Dismounting the Engine

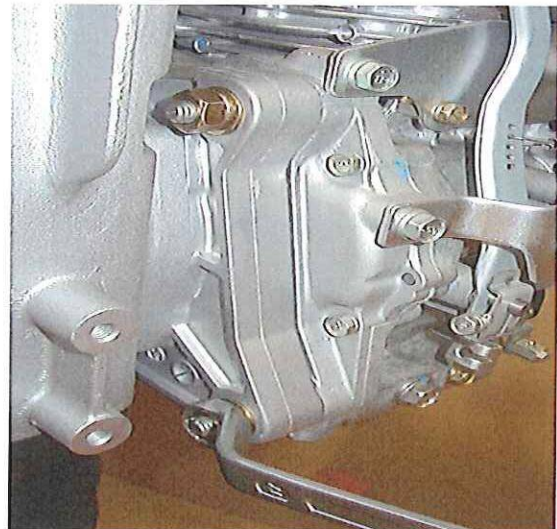
- (1) Loosen the clamp for air intake hose and pull off the hose.



- (2) Taking off the mounting bolts (10 pcs.) at the bottom and remove the engine guard.
(if the engine guard is mounted.)



- (3) Remove the nuts (4 pcs.) and dismount the engine.



5. Dismounting/mounting the Centrifugal Clutch

Dismounting

- (1) Remove the fixing nut using impact wrench or the like.



- (2) Pull out the clutch using JIG.



Mounting the centrifugal clutch

- (1) Hit the clutch into the position with a hammer and pipe or the like.



6. Disassembly of the Crank Case

- (1) Take off bolts (4 pcs.) and separate the case and cylinder assembly.



- (2) Pull off the pin that connects con rod and the piston, and remove the crank case assembly.



- (3) Remove bolts on the cover take off the cover.



- (4) Remove the snap ring from the con rod.



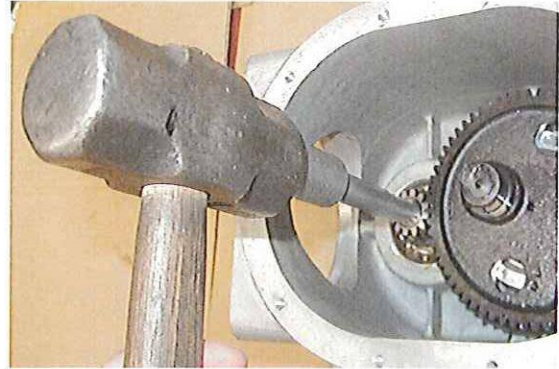
- (5) Remove the con rod using a Puller.



- (6) Remove the snap ring that is fixed on the pinion gear.



(7) Remove the pinion gear with a hammer.



(8) Remove the snap ring that is fixed on the crank gear.



(9) Pull off the crank gear using jig.



7. Disassembly of the Cylinder Assembly

- (1) Remove the drain plug and drain oil from the cylinder.



- (2) Take off the bolts (4 pcs.) and remove the shoe assembly.



- (3) Remove the bolts from shoe clamp. (top and bottom)



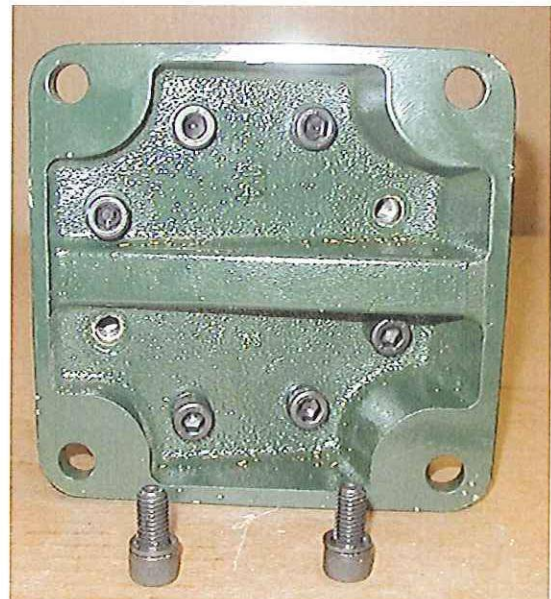
(4) Remove pads (2 pcs- top/bottom).



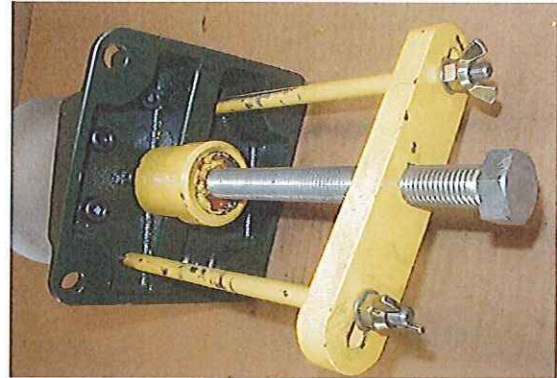
(5) Hit the bellows at the area as shown on the picture.
Remove the outer cylinder and the bellows.



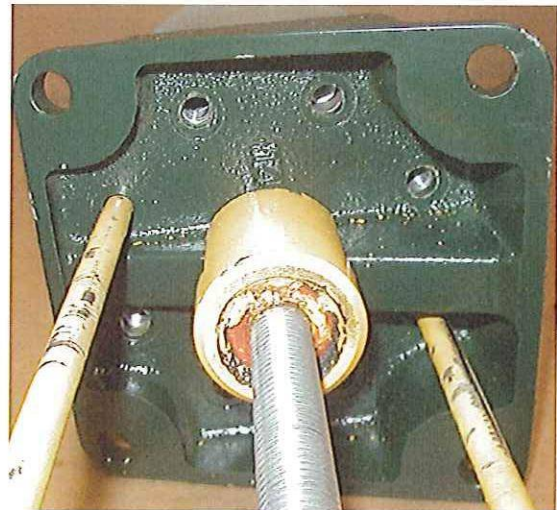
(6) Remove only 2 pcs. from adapter as shown on the picture.



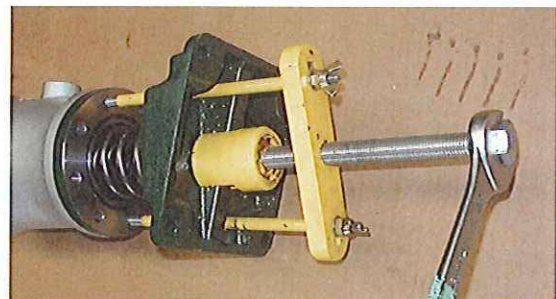
(7) Attach the puller to the adapter.



(8) Remove rest of the bolts (6 pcs.) from adapter.



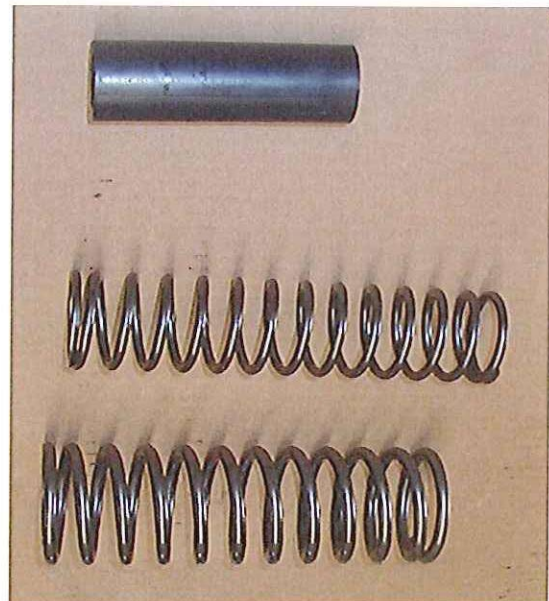
(9) Turn the jig tool and loosen the detention of the spring. Then, remove the adapter, spring, stopper and oil pan.



- (10) Firmly fix the inner cylinder with vise.
Remove nut and slider.



- (11) Remove the spring and stopper from
the inner cylinder.



Assembly

- (1) The assembly work should be done in the reverse of disassembly/dismounting procedure.
- (2) Use SAKAI genuine parts and the fuel and lubricants recommended by SAKAI.

MODEL RS45, RS55, RS65, RS75

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