



DYNASPARK
CLINTON ENGINES CORPORATION
MAQUOKETA, IOWA

SERVICE BULLETIN
#11
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INSTALLATION

1. Before mounting Spark Pump, be sure lever retainer clip (Fig. A, #4) is in place.
2. Rotate crankshaft until eccentric bearing (Fig. A, #2) is at low lift position.
3. Secure Spark Pump (3) with two screws. Bearing race should rotate freely while clip remains in place.
4. Switch body (Fig. A, #1) should be rigidly held to crankcase. Switch rotor should be concentric to shaft.
5. Turn engine over until eccentric is a high lift - REMOVE CLIP. (Fig. A, #4)
6. Lever should smoothly follow eccentric as engine is rotated.
7. Release tension on load screw (Fig. B, #6) with slotted tool (7) or needle nose pliers by rotating COUNTER-CLOCKWISE. Spring will provide proper loading tension. Do not force load screw clockwise since permanent damage to the Spark Pump may result.
8. Install flywheel, using care to see that switch pin (Fig. B, #5) is properly located in flywheel counter weight mechanism.

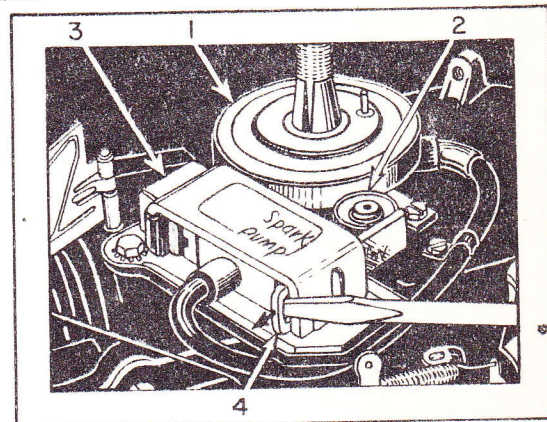


FIG. A

SERVICING & INSPECTION

1. Before removing Pump from engine, reinsert clip or .100 spacer between back of lever and Spark Pump frame. (Ref. 4 of Fig. A)
2. Should Pump be removed without clip, the following procedure will be necessary before unit may be reinstalled.
 - a. Place Pump in left hand (Fig. C).
 - b. Turn preload screw counterclockwise while lifting lever with left thumb. Approximately 1/2 turn sufficient and then apply slight pressure on lever with left thumb. Release tool and insert clip or .100 spacer between lever and frame. Pump may now be reinstalled. (Fig. C)

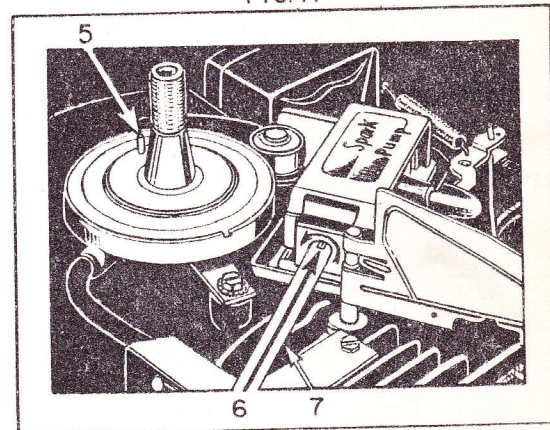


FIG. B

- NEVER FORCE CLIP IN PLACE.
NEVER TURN PRELOAD SCREW CLOCKWISE.
3. Be sure lead wire clears rotating parts and is not pinched. For temporary repair of lead, build up at least 1/8" layer of electricians tape over frayed area, then cover with friction tape.
 4. TO CHECK IGNITION SYSTEM -
Rotate crankshaft, with flywheel in place, holding terminal 1/8" from plug. -OR-
Take standard 18 mm plug and bend ground electrode open to 5/32" - 3/16" gap. Place ignition lead on plug and place plug hex against engine. Rotate crankshaft, with flywheel in place. Thick spark should jump. Poor spark may indicate faulty timing, failure to remove clip, shorted lead, improper mounting or faulty ignition system.

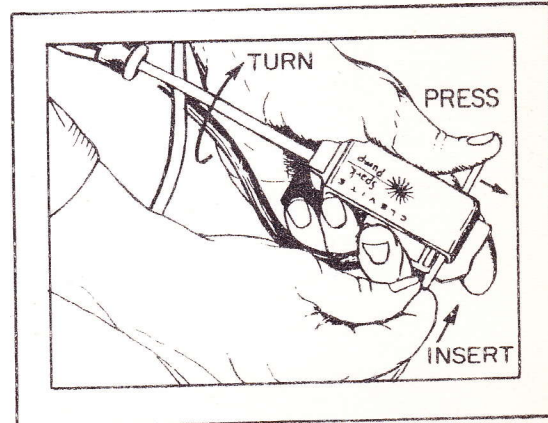


FIG. C

BE SURE CLIP (4 of FIG. A) IS REMOVED BEFORE CLOSING ENGINE.
KEEP CLEAR OF ROTATING PARTS IF PLUG LEAD IS CONNECTED.