McCULLOCH

SERVICE BULLETIN # 1146

SUBJECT: INSTALLATION OF THROTTLE LOCK KIT, P/N 57618

MODEL 1-41, 1-51, 1-61, 1-42, 1-52, 1 62

DATE 10/5/61

A Throttle Lock Kit, P/N 57618, is available for installation on Model 1-41, 1-51, 1-61, 1-42, 1-52, and 1-62 Chain Saw Engines. The throttle lock is used to hold the throttle open in a high-idling position and make it unnecessary for the operator to hold the throttle open when starting his chain saw. This service bulletin gives the detailed instructions needed for proper installation of the throttle kit.

CONTENTS OF THE THROTTLE LOCK KIT

QUANTITY	NAME	PART NUMBER
1	Button-Throttle Lock	57619
1	Spring-Throttle Lock	57629
1	Rivet-Flat Hd. 5/32x3/8 in. lg.	100533
1	Washer - Plain	102539
1	Instruction Sheet	57631A

SERVICE INSTRUCTIONS

NOTE: Steps 1 and 11 apply to all the above listed models except Model 1-42 Chain Saw which does not have a handle brace, handle grip or handle insert.

1. Remove the 10-24 x 1-3/4 inch long, oval head, screw holding the handle brace to the end of the airbox handle. Remove the two 1/4-20 x 3/4 inch long screws fastening the forward end of the handle brace to the engine. Remove the rubber grip, Model 1-62 or the handle inserts, Model 1-51, 1-61 and 1-52 (see figure 1).

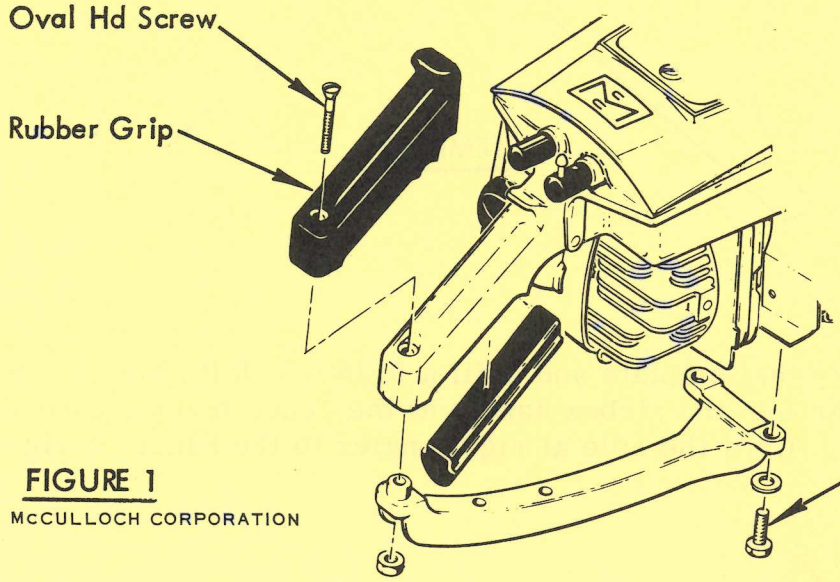


FIGURE 1

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2. Remove the trigger pin retainer and pull the trigger pin out of the trigger and airbox handle. Disconnect the rear end of the throttle spring from the airbox handle and remove the spring and throttle rod from the trigger (see figure 2).

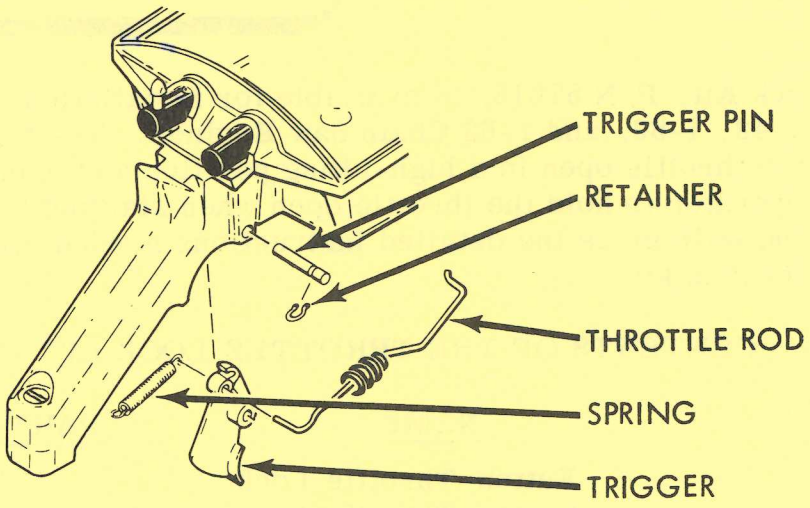
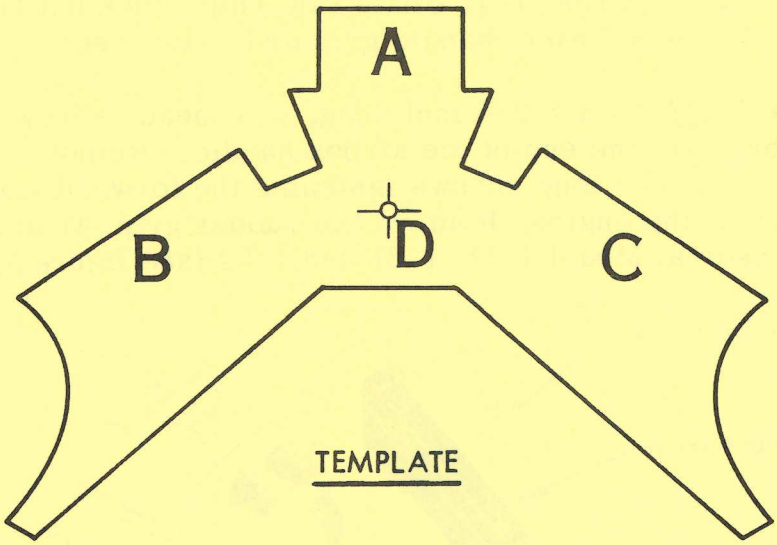


FIGURE 2

3. Cut the template from the Instruction Sheet and fasten on top of the airbox handle. Fit the edges marked 'B' and 'C' against the rear end of the airbox. Center punch the airbox handle at the cross lines marked on the template at 'D' (see drawing of template and figure 3).



TEMPLATE

4. Remove the template and drill a 0.250-inch (0.635 cm) diameter hole through the airbox handle at the punch mark location found in Step 3. Drill the hole at right angles to the handle surface.

5. Drill a 0.161-inch (0.406 cm) diameter hole, using a No. 20 drill, through the airbox handle. Use the dimple, shown at point 'E' on figure 3, to locate this hole. Drill the hole at right angles to the handle surface.

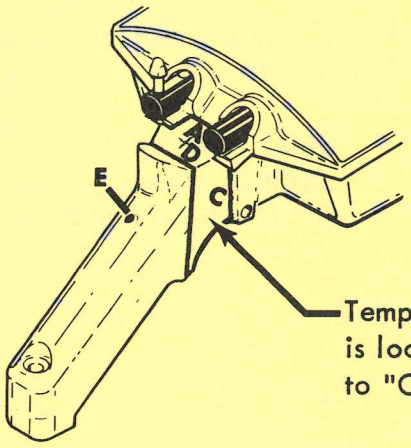


FIGURE 3

6. Put the Throttle Lock Button, P/N 57619, in the hole drilled in Step 4. Install the lock button from underneath the handle (see figure 4).

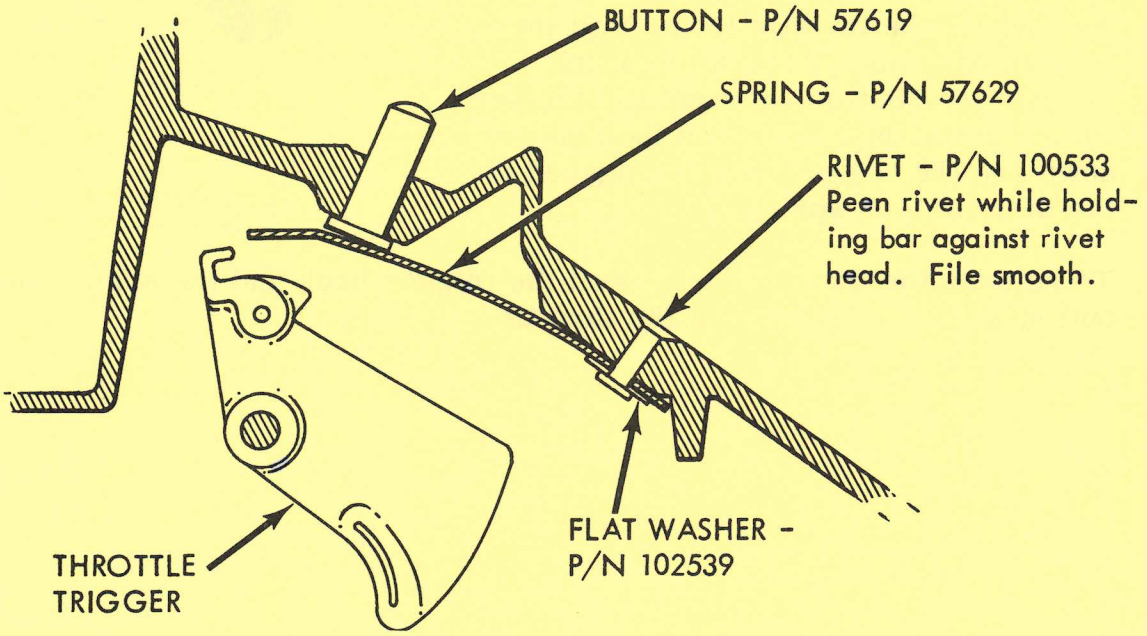


FIGURE 4

7. Place Washer, P/N 102539, and Spring, P/N 57629, on the Rivet, P/N 100533. Insert the rivet in the 0.161-inch diameter hole, drilled in step 5, from underneath the airbox handle. Be certain the spring is holding the throttle lock button in the 0.250-inch diameter hole.

8. Holding a small metal block or bar firmly against the rivet head, use a small hammer and peen the rivet end into the dimpled hole on top of the airbox-handle. Use a small flat file to smooth any sharp edges left after the peening.

9. Reinstall the trigger, trigger pin, trigger pin retainer and the throttle spring. Reconnect the throttle rod to the trigger.

10. MODEL 1-62 ONLY: Slide the rubber grip back into position on the airbox handle. Use a razor blade or sharp knife to trim the forward end of the rubber grip until it fits around the throttle lock button (see figure 5).

11. Reinstall the airbox handle brace, tightening the two 1/4-20 screws to a torque value of 90 to 100 inch pounds (7-1/2 to 8 foot-pounds). Tighten the 10-24 oval head screw fastening the airbox handle to the handle brace to a torque value of 55 to 60 inch-pounds (4-1/2 to 5 foot-pounds).

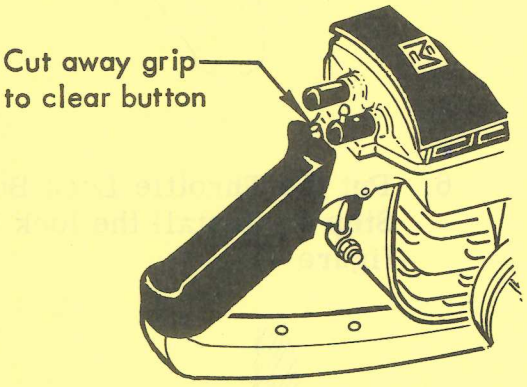


FIGURE 5

To operate the throttle lock: Pull the trigger back and press down on the throttle lock button, release the trigger while continuing to hold the lock button down and the trigger will be engaged by the throttle lock spring.

To release the throttle lock: Pull the trigger back and the spring and lock button will disengage from the throttle.