McCULLOCH

SERVICE BULLETIN # 1159

SUBJECT INSTALLATION OF IGNITION SWITCH ASSEMBLY, P/N 58387

MODEL 1-92, 99

DATE 1/19/62

A new improved, toggle-type Ignition Switch Assembly, P/N 58387, is available for service replacement of the push-pull type Ignition Switch, P/N 102183, used on Model 1-92 and 99 engines. The Jam Nut, P/N 104810, of the switch assembly, can be purchased separately for replacement and stocking purposes. Before a new Ignition Switch Assembly, P/N 58387, can be installed on a Model 1-92 or a Model 99 engine, the diameter of the switch mounting hole in the Throttle Lever Cover, P/N 24594, must be increased to 7/16-inch. Also the heigth of the switch mounting boss on the inner side of the top cover, must be spotfaced to decrease its heigth before the new switch can be installed. Instructions for installing the new ignition switch assembly are as follows:

1. Loosen the throttle wire assembly clamp screw, located at the left forward side of the top throttle lever cover and release the throttle cable assembly from the cover.

2. Disconnect the ignition wire from the switch at the quick-disconnect located forward of the throttle lever cover.

3. Remove the 1/4-inch filister head screw and nut fastening the top and bottom throttle lever covers to the engine handle frame and remove the two 10-24 screws and nuts fastening the throttle lever covers together at their forward side. The bottom throttle lever cover can now be removed from the engine.

4. Hold the throttle control lever down and pull the top throttle lever cover from the engine frame. Release the throttle lever and remove the end of the throttle control wire from the slot in the throttle lever. Pull the throttle cable assembly forward and out of the throttle lever cover.

5. Remove the jam nut fastening the ignition switch to the throttle lever cover and remove the ignition wire from the switch.

6. Use an 11/16-inch diameter spotface to remove the switch mounting boss from the inside of the cover. Continue spotfacing to undercut the area until the wall thickness of the cover is reduced to a thickness of 1/8 inch (see figure 1).

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BEFORE AFTER

FIGURE 1

7. Drill out the switch mounting hole with a 7/16-inch diameter drill. Deburr the edges after drilling.

8. Install the new switch from the undercut side of the hole. Install it with the grooved side of the threaded shank facing towards the operators position. Start the jam nut onto the switch and tighten it to hold the switch assembly in the cover.

9. Reinstall the ignition wire removed in step 5. Run the throttle cable assembly through the hole in the left-forward end of the top throttle cover, making sure the cable assembly passes between the clamp and the cover. Slide the cable on back until the throttle wire end can be engaged in the notch in the throttle lever. Tighten the clamp screw to temporarily hold the throttle cable assembly in place while the top and bottom throttle lever covers are installed.

10. Press the throttle lever down and place the top throttle cover in position on the handle frame. Release the throttle lever and while holding the top cover in position, place the bottom cover in position, making sure the rubber grommet on the ignition wire goes into the notch at the forward side of the bottom throttle lever cover.

11. Reinstall the flat head screws and their nuts as well as the 1/4-20filister head screw and nut removed in step 3. Tighten them securely to hold the top and bottom throttle lever covers in place on the handle frame. Connect the ignition wire to the quick-disconnect fitting of the wire from the ignition coil.

12. Check the throttle control lever for correct throttle operation. When the throttle lever is in the up or idle position, the carburetor throttle shaft arm should be in contact with the idle adjustment stop screw (see figure 2). When the throttle lever is pressed down into the full throttle position, the movement should be enough to give complete throttle opening. If these settings are off, loosen the throttle cable assembly clamp screw and slide the cable backwards or forwards in the clamp until the correct settings are obtained. Tighten the clamp screw to lock the throttle cable assembly in position.

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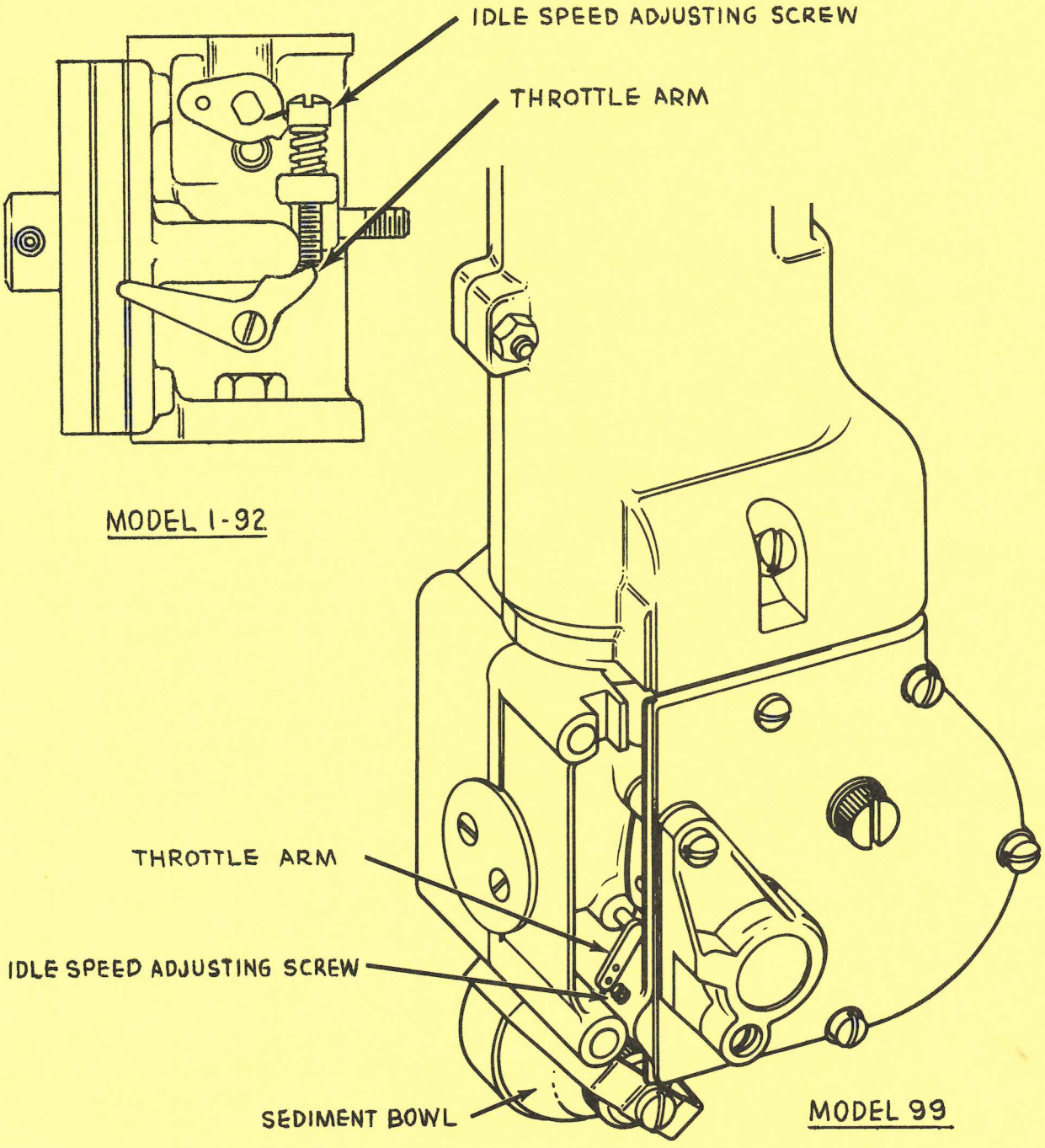


FIGURE 2