



A	3/6/2017	ENLARGED FONT SIZE FOR CLARITY (ENTIRE DRAWING)
B	11/9/2017	ADDED P/N 7235 AND LEFT/RIGHT POSITION INSTRUCTIONS (STEP 4) & INITIAL NOTES

Instructions for installation of McFarlane Aviation, Inc. part number 6822 & 7235 throttle return springs.

Due to inherent engine vibrations, adherence to installation instructions is critical to the life of the springs. The springs are color coded to match the specific sides of the engine they are to be installed on red for left (port) and blue for right (starboard).



Step 1: Remove the old spring from the carburetor arm assembly.



Step 2: Remove nut from carburetor shaft.



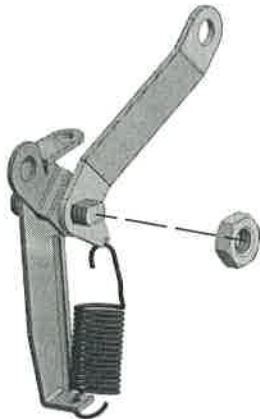
Step 3: Remove upper throttle arm piece from the carburetor shaft.



Step 4: Install new spring lower hook, so that open end of the hook faces away from the engine/carburetor. Install part number 6822 (red) spring on the left (port) carb., matching the red navigation light. Install part number 7235 (blue) spring on the right (starboard) carb.



Step 5: Place upper spring hook into the spring hole on the upper throttle arm piece as shown.



Step 6: Place upper throttle arm back on the carburetor shaft and reinstall nut.



Step 7: Reinstall cable and synchronize carburetor/throttle controls per maintenance manual instructions.

Step 8: Cycle spring through full travel of control and verify that the spring is not rubbing or touching on either brackets or drip trays. If the spring does rub, adjustments to the bracket(s) and or drip trays may be required.

PROJECT ENGINEER: <i>Brian</i>	ENGINEERING MANAGER: <i>Steve</i>	QUALITY MANAGER: <i>Dana</i>	MANUFACTURING MANAGER: <i>David</i>
DATE: 1/24/18	DATE: 1/25/18	DATE: 1-26-18	DATE: 1-25-18

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Title: Instructions, Throttle Return Spring

Size: A Drawn: BWM Sheet: 1 of 1

Part Number: - Drawing Number: 6827 REVISION B

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