

## INSTALLATION INSTRUCTIONS FOR LINKAGE ADAPTER 717-7

199R9819-1

**NOTICE:** For the safety and protection of person's and property, all United States Coast Guard (U.S.C.G.) and other marine safety requirements and recommendations as well as the following instructions must be carefully studied and applied. Failure to follow the above will void your warranty, which is also voided by certain conditions in the second paragraph thereof.

**WARNING:** For the safety and protection of yourself and others, installation, adjustment and repair must be performed **ONLY** by a trained mechanic having adequate marine fuel system experience. It is particularly important to remember one of the very basic principles of marine safety: fuel vapors are heavier than air and tend to collect in lower places. This means that **ANY** fuel spilled during the replacement of your marine carburetor will vaporize and remain in the lowest extremes of the engine compartment of your vessel where an explosive fuel/air mixture can be ignited by any spark or flame. Great care must be exercised to prevent spillage and thus eliminate the formation of such fuel vapors. In all cases, it is necessary to have and properly operate the bilge blower for a sufficient time to remove all vapors before trying to start your vessel's engine.

**NOTE:** Due to the remote distance between the helm and the engine in most boats, it is **STRONGLY** recommended that the mechanic have an assistant to operate the appropriate helm controls during this installation.

**IMPORTANT NOTE:** A United States Coast Guard approved fire extinguisher in proper operating condition should be nearby at all times during removal, installation and starting procedure.

**NOTE:** This kit adapts Mercruiser throttle cables to Holley throttle brackets, (Part No.'s 717-5, 717-6 and 717-8). Some parts must be retained from the original Mercruiser bracketry.

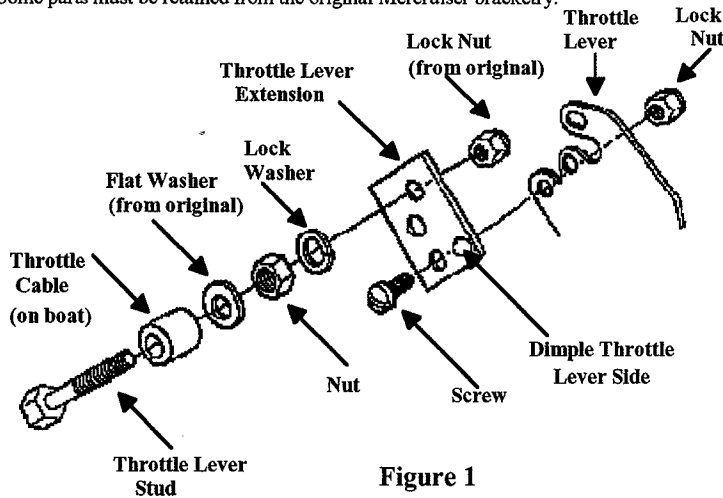


Figure 1

### LINKAGE KIT INSTALLATION:

1. Before tightening carburetor down, position adapter bracket to throttle bracket in order to find the ideal mounting location. Take the throttle bracket off the manifold and secure adapter bracket, from kit, to the throttle bracket with screws and nuts provided.
2. Mount carburetor to engine according to carburetor installation instructions.
3. Attach the throttle lever extension provided to the throttle lever. See Fig. 1. **NOTE:** The "dimple" in the extension must go into the center hole of the throttle lever. The extension stud must attach to the top corner hole of the throttle lever.
4. Attach the throttle cable to the carburetor throttle lever with parts from the kit as shown in Fig. 1. **NOTE:** The small lock nut and flat washer used are from the original Mercruiser installation. If the lock nut has been tightened more than twice, a new one must be purchased.
5. Attach the throttle cable to the throttle bracket with the remaining parts from the kit as shown in Fig. 2. **NOTE:** The flat washer used is from the original Mercruiser installation.
6. Adjust throttle cable so that throttle smoothly operates from the fully closed position to the wide open position. Make sure throttle does not stick or bind when moved both manually and from the helm. Readjust cable and/or bracket if necessary. (Consult your Mercruiser service manual).
7. Advance throttle to the wide open position and be sure throttle lever stud does not interfere with the secondary link (See Fig. 3). This is very important to ensure proper operation of the secondaries. If the stud or nut hits the secondary lever, the secondaries could be held closed or open causing possible loss of performance or uncontrolled acceleration.

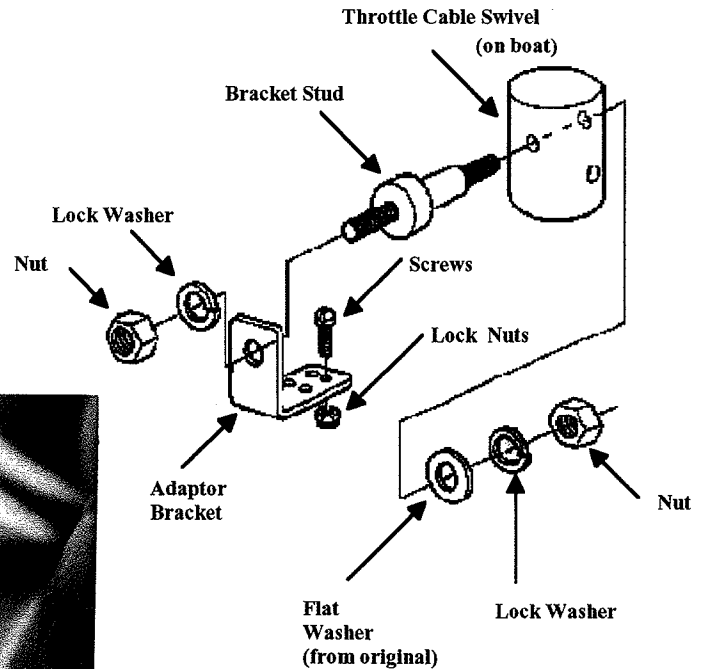


Figure 2

**NOTE:** When properly installed, the throttle cable will form 90° angles with the throttle lever stud and throttle bracket stud.

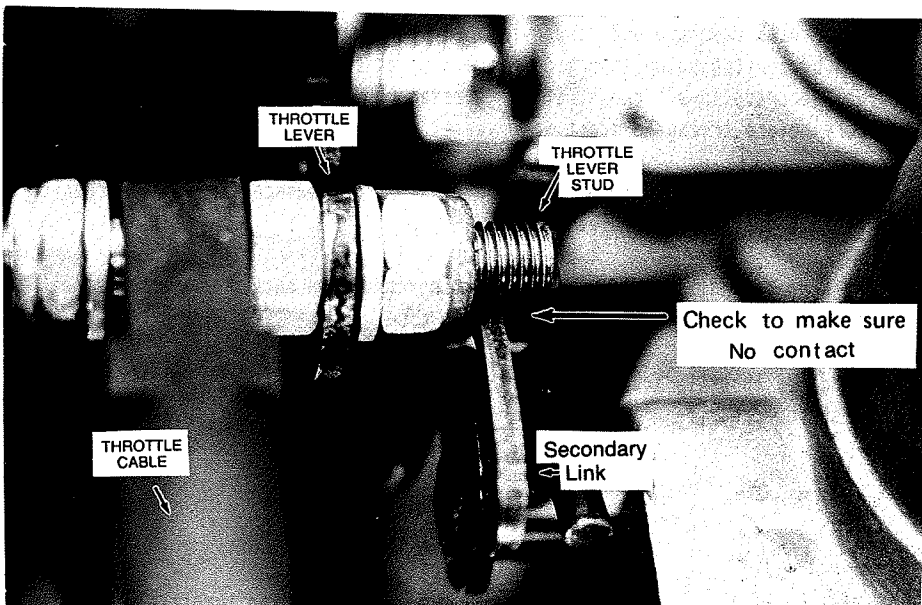


Figure 3