

**\*IMPORTANT SERVICE LETTER\*****NUMBER:** SL-002**DATE:** 4/23/2012**Revision:** 01**SUBJECT:** DOOR ASSEMBLY – New Latch Handle Assembly**SUMMARY**

QUEST AIRCRAFT RECOMMENDS THAT EACH OPERATOR EXAMINE THIS SERVICE LETTER IMMEDIATELY.

**CONCURRENT REQUIREMENTS**

None

**BACKGROUND**

This service letter is issued in conjunction with a Kodiak Service Kit to replace a latch handle assembly in the pilot and copilot doors. The new Latch Handle Assembly will improve the door operation and reduce the possibility of tie rod damage inside the door. The new part and hardware are included in the service kit.

**ACTION**

Directions in this service bulletin will provide guidance on removing and replacing the new latch handle assembly.

**EFFECTIVITY**

This service letter is applicable to serial numbers 100-0001 through 100-0005.

**COMPLIANCE**

Quest Aircraft recommends the changes reflected in this Service Letter are complied with no later than 10 days of receipt of this letter.

**INDUSTRY SUPPORT INFORMATION**

None

**MANPOWER**

The total estimated time to complete the instructions contained in this service letter is approximately 30 minutes per door. Quest Aircraft will reimburse labor costs associated with this installation.

**IMPORTANT SERVICE LETTER****IMPORTANT SERVICE LETTER**

## 1. ACCOMPLISHMENT INSTRUCTIONS

### A. General Note

Replace the Latch Handle Assembly using the directions prescribed below. If the instructions below are unclear or the need for further technical assistance arises, contact Quest Aircraft customer service at (208)-263-1111.

### B. WORK INSTRUCTIONS

#### Preparation

1. Prepare the work area. The following tools are required:
  - a. Phillips head screw driver
  - b. 1/8<sup>th</sup> pin punch
  - c. Rubber mallet
  - d. Two 3/8" open end wrenches

#### Work

1. The Kodiak's Pilot and Copilots doors are equipped with five access panels. These panels allow operators to maintain, adjust, and repair the door assemblies. Remove the screws from the center access panel. This will allow access to the Latch Handle Assembly. See *Figure 1*.



Figure 1 – Access Holes

2. The next step is to remove the handle from the door. Using a hammer and a 1/8" pin punch, tap the roll pin through the handle bracket assembly. See *Figure 2*.

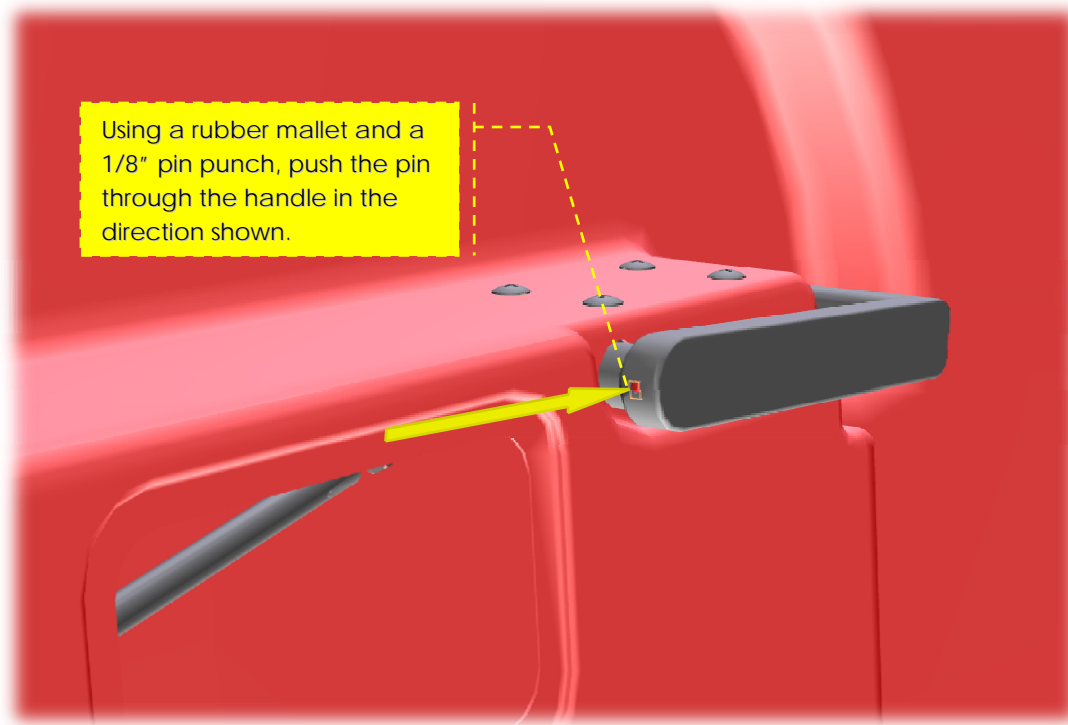


Figure 2 – Remove the Handle Roll Pin

3. Once the pin is removed, the handle can be removed by pulling it away from the door. See *Figure 3*.

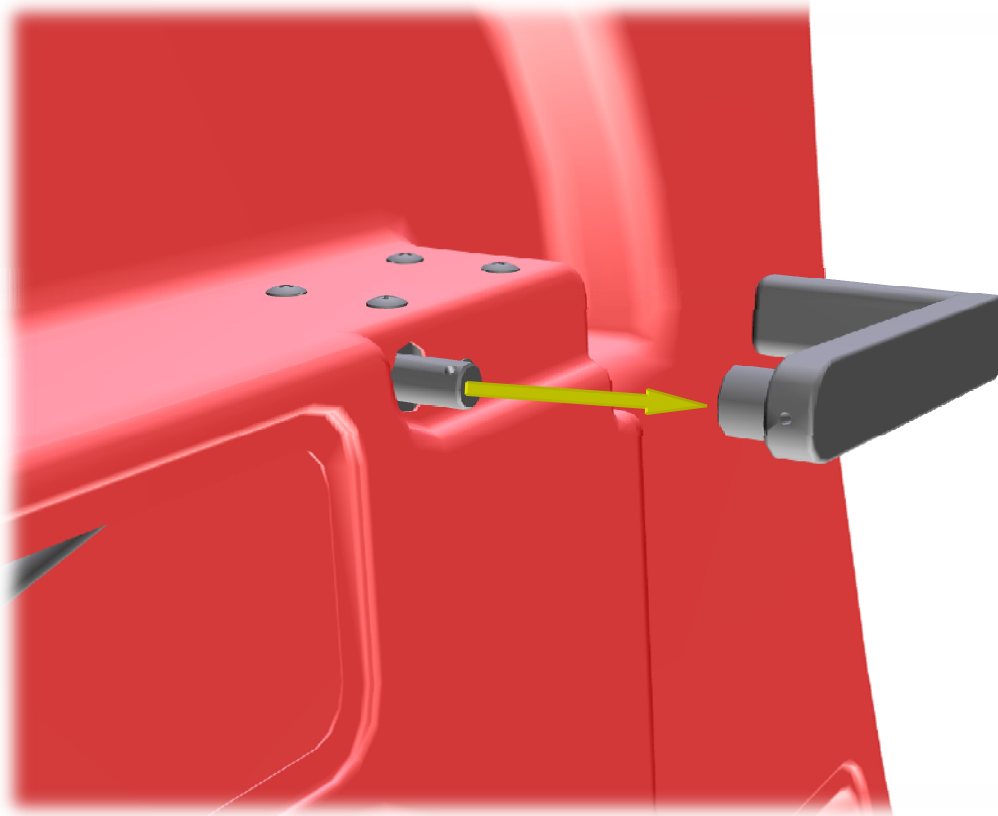
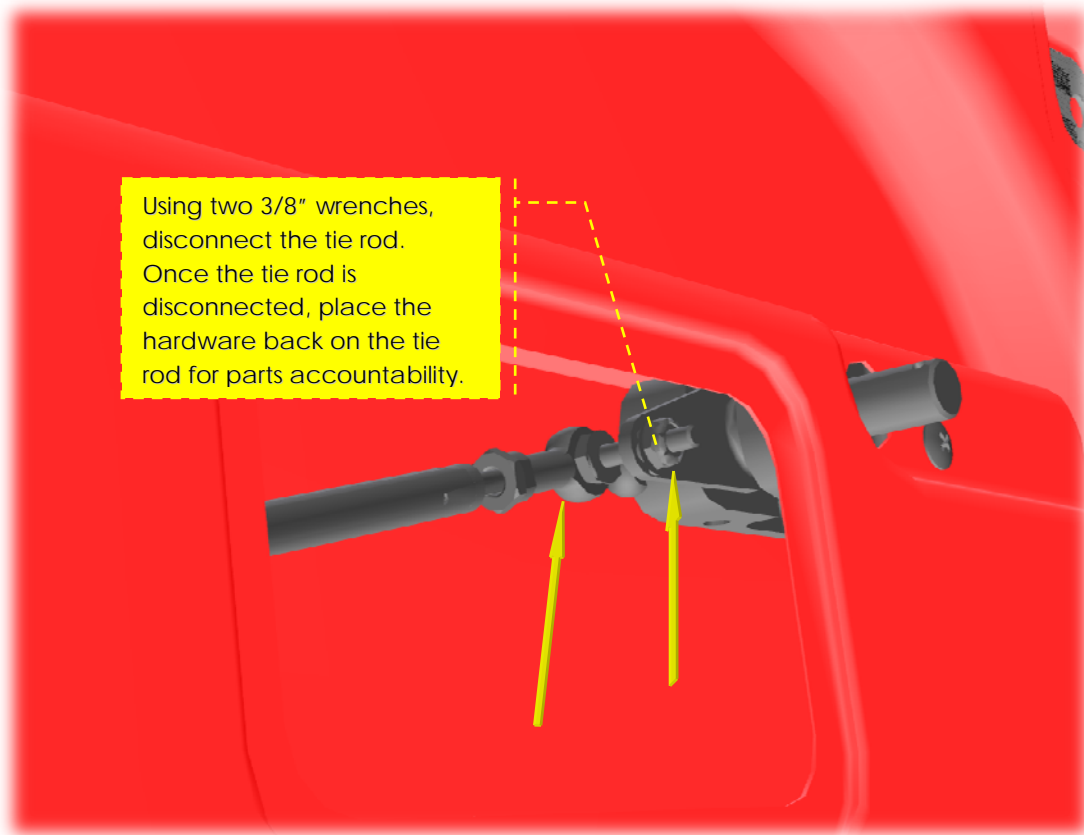


Figure 3 – Remove the Handle

4. The next step is to unbolt the tie rod that connects to the handle bracket assembly. See *Figure 4*.



**Figure 4 – Disconnecting the Tie Rod**

5. After the tie rod is disconnected. Remove the five Phillips screws holding the Latch Handle Assembly to the door. See *Figure 5*.

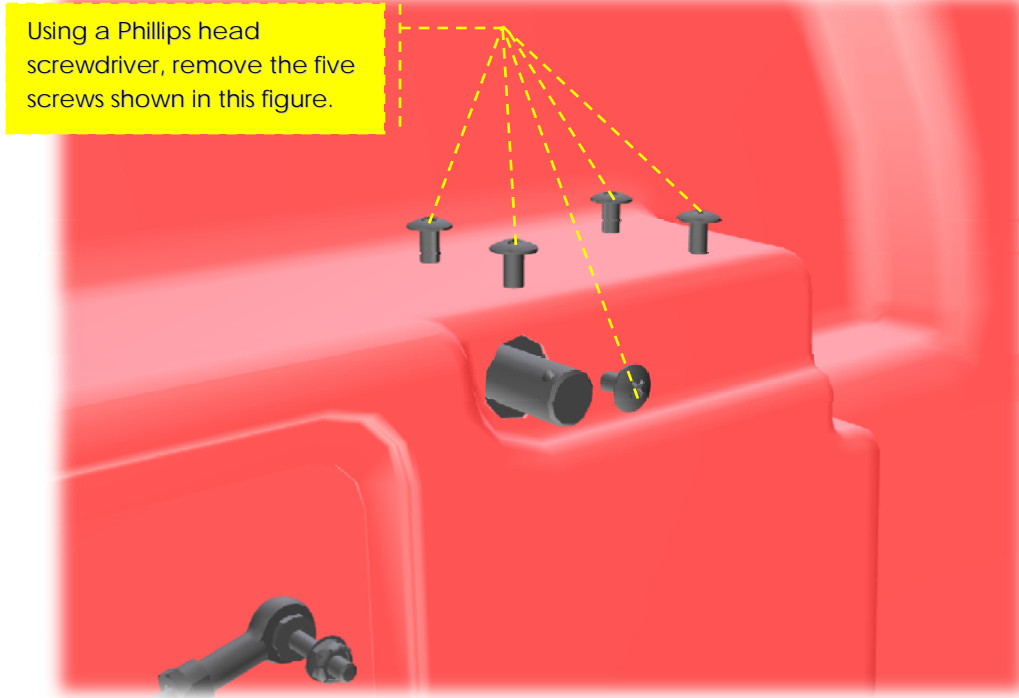


Figure 5 – Removing the Screws

6. Once the screws are removed the Latch Handle Assembly can be removed. Holding on to the Latch Handle Assembly, maneuver the entire assembly until the shaft is free from the hole. Extract the Latch Handle Assembly through the access panel. *See Figure 6.*

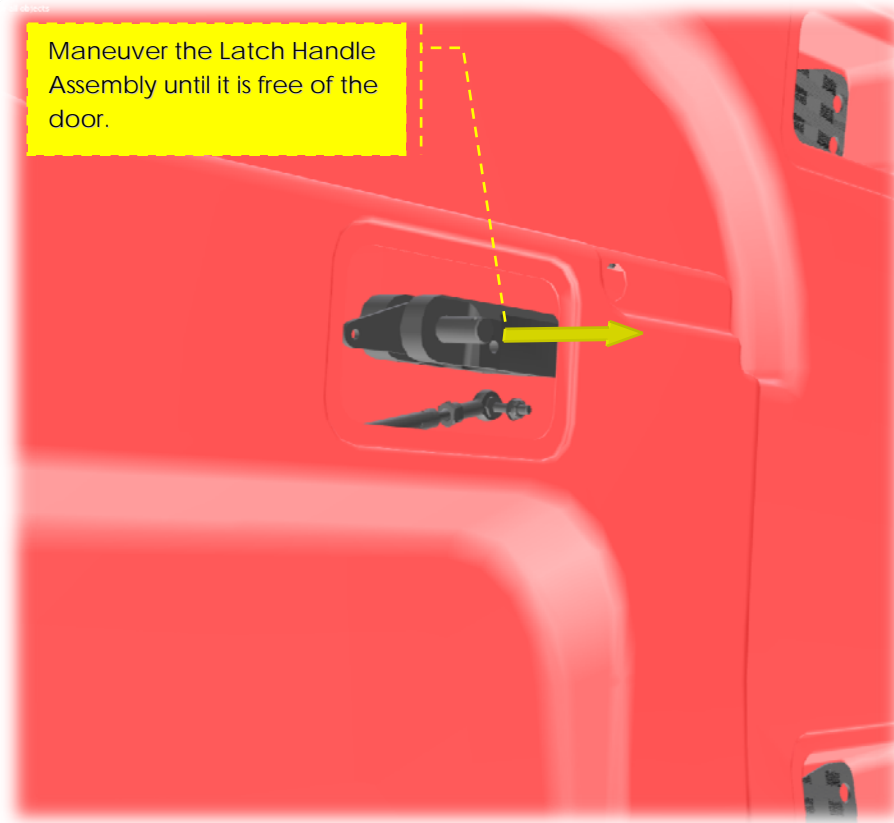


Figure 6 – Extract Assembly from the Door

7. Replace the old Latch Handle Assembly with the new Latch Handle Assembly found in this installation kit. To install the new Latch Handle Assembly, reinsert the new Latch Handle Assembly into the door and complete the instructions in reverse order starting with step 6.
8. End of instructions.

--- End of Service Letter ---