TECHNICAL INSTRUCTION
HAC13-001 Rev. N/C, November 1, 2013

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

29-014-2004KT Turnbutton Assy 90° LH
INSTALLED ON
AIRBUS A318 SERIES AIRCRAFT, AIRBUS A319 SERIES AIRCRAFT, AIRBUS A320 SERIES AIRCRAFT, AIRBUS A321 SERIES AIRCRAFT, BOEING 737 SERIES AIRCRAFT
(SEE THE 29-014-2004KT SUPPLMENT FOR SPECIFIC MODELS)

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1. Introduction

This HEICO Aerospace Technical Instruction (TI) defines the Instructions for Continued Airworthiness when P/N 29-014-2004KT Turnbutton Assy 90° LH is installed on the aircraft listed on the FAA approved supplement for P/N 29-014-2004KT. The P/N 29-014-2004KT Turnbutton Assy 90° LH is FAA Approved (PMA) as a replacement for Airbus/Boeing P/N 29-014-2004.

The Airbus/Boeing P/N 29-014-2004 is a .quarter-turn retainer consisting of an Arm, Cam, Bolt, Ball Bearing, and Spring. The function of the Turnbutton Assy is to secure storage carts beneath the serving counters on the Airbus A318-A321 and Boeing 737-300, -400, and -500 series aircraft (see the OEM Illustrated Parts Catalog for the specific installation locaton(s)).

The Turbine Kinetics, Inc. P/N 29-014-2004KT Turnbutton Assy 90° LH incorporates dimensional changes for the Cam and the cutout of the Arm. In addition, a Plunger detail (P/N 29-014-2004KT) was included. The Plunger is pushed into the Cam by the Spring and creates the detent feature of the Turnbutton Assy 90° LH. Turbine Kinetics, Inc. has provided a sample of the proposed 29-014-2004KT Turnbutton Assy 90° LH to a customer for fit-check and evaluation. The proposed 29-014-2004KT Turnbutton Assy 90° LH was approved as equal to or better than the 29-014-2004 Turnbutton Assy 90° LH it replaces.

2. Installation of P/N 29-014-2004KT

NOTE:
The information presented in this section is for informational purposes only. It is not intended to alter any existing engine manual or documentation

Shown below in Figures 1 & 2 is a sample installation of the P/N 29-014-2004 Turnbutton Assy 90° LH on the Airbus A318-A321 Series Aircraft. (3) Turnbuttons are installed in the galley area on the Airbus A318-A321 Series Aircraft. The P/N 29-014-2004 Turnbutton Assy 90° LH is installed on multiple aircraft at various galley locations to secure various storage carts. The P/N 29-014-2004KT Turnbutton Assy 90° LH is only to be installed in place of the P/N 29-014-2004 Turnbutton Assy 90° LH.

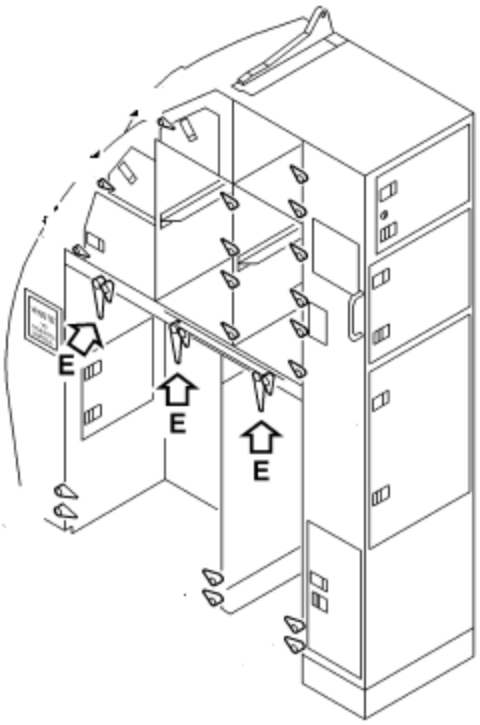

Figure 1

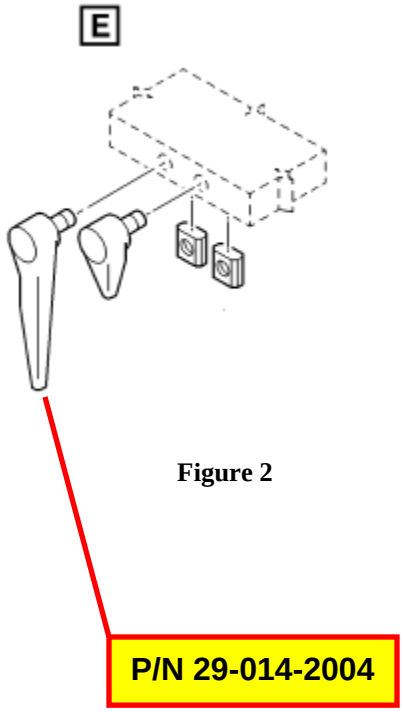

Figure 2

3. Airworthiness Limitations

The Airworthiness Limitations section is FAA-approved and specifies maintenance required under Sec. 43.16 and 91.403 of the Federal Aviation Regulations, unless an alternative program has been FAA approved. The Instructions for Continued Airworthiness presently acceptable to the FAA for P/N 29-014-2004 are valid for use on P/N 29-014-2004KT with exception to the repair procedures found below in Section 4. Due to the fact that P/N 29-014-2004KT is not a life limited part, no additional airworthiness limitations are imposed by the supplementary Instructions for Continued Airworthiness found below in Section 4.

4. Repair of the 29-014-2004KT Turnbutton Assy 90° LH

A. Remove the Turnbutton complete with the central screw – use a 5/16 inch hex key.

B. Slip the central screw out

C. Push the Cam out of the Arm

NOTE: Ensure that the Ball Bearing, Spring, and Plunger do not escape

D. Ensure that the Spring is completely removed – it could be in several pieces

WARNING: ENSURE THAT ALL HEALTH AND SAFETY PRECAUTIONS ARE TAKEN

E. Degrease all serviceable components

NOTE: Use ISO-PROPANOL or Propan-2-ol (EEC No 200-746-9)

F. Spray the detent sleeve with molybdenum disulphide

NOTE: Use Rocol DFSM inorganic anti-scuffing spray

G. Reassemble using a new Spring (P/N: 29-014-2004KT-05)

5. Material Information

This document will be maintained and the latest approved revision posted on the HEICO web site at http://ipc.heico.com .

6. Revision and Approval History

Initial Release – November 1, 2013