ACES II Inertia Reel Gas Generator (IRGG)

- AP has on hand inventory available for immediate delivery
- Key ACES II component
- Replaces IRGGs in suspect lots
- Required under TCTO 13A5-56-574
- 10 year installed life

Used on the Advanced Concept Ejection Seat (ACES II), the IRGG retracts the Inertia Reel Straps and places the aircrew in the optimum posture prior to ejection. Upon actuation, the initiator generates the required gas pressure to drive grease in a tube to the gear mechanism on the ejection seat inertia reel. This specific dash number gas generator is part of a family utilized on other domestic and foreign aircraft platforms. PN 0113226-23 is installed in the A-10, F-15, F-16, F-22, F-117, B-1, B-2.

PN 0113226-23 is called out in TCTO 13A5-56-574. This TCTO involves the inspection of the lot number of the IRGG and replaces parts that are from suspect lots.

- **Material Needed:** Compliant IRGG, if current IRGG is from suspect lot
- **Labor Required:** Egress technician for removing and re-installation of IRGG assembly
- **Facility Requirements:** DoD or operator equivalent egress shop
- **Tooling Requirements:** Standard ACES II tooling as called out in the 13A5-56-11 Tech Order

TCTO 13A5-56-574 is required. IRGG are time change items which have a 10 year installed life. The IRGG lots in question are from 2009. Suspect units should be replaced with new units.

Procuring CAD/PAD items in small lots can be cost and lead time prohibitive. However, through a special procurement from TASK Aerospace, the leader in egress system and support, Aero Precision acquired 34 IRGG units. These units are in Factory New (FN) condition, with full traceability documentation and available for sale immediately, subject to prior sale. When procured, it is recommended that the IRGG be shipped separately and installed in country when accomplishing TCTO.
Complete Solutions for Aircrew Escape Systems

Task Aerospace, Inc. provides qualified and complete egress system support for U.S. and foreign operators of ejection seat equipped aircraft.

Support includes:

- Complete aircraft egress system maintenance
- Overhaul and repair of ejection seats
- Procurement support for CAD/PAD (pyrotechnic devices)
- Technical planning and scheduling software solution for CAD/PAD
- Aircrew Flight Equipment maintenance and supply
- Training for operators and maintenance personnel

Task certified professionals have worked in DoD and Industry, with several decades designing and maintaining Egress Systems, AFE, CAD/PAD and Ejection Seats on all major US platforms.

CAD/PAD Services:

- CAD/PAD Item Sales
- Subcomponent servicing and sales
- CAD/PAD Maintenance Training
- Source Development of obsolete items
- Logistics Software (RAMP) for management of CAD/PAD Items

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