

## SERVICE NOTICE

**SUBJECT:** Available KODIAK® 100 Factory Upgrades/Improvements  
**EFFECTIVITY:** As required

### BACKGROUND

This Service Notice is to make customers aware of available approved factory upgrades and improvements to the KODIAK® 100 aircraft. The upgrades and improvements listed below are available through the purchase of Field Service Instructions (FSI) or direct replacement, as appropriate. Contact Quest Customer Service for details on installation and pricing.

### DISCUSSION

**FSI 11-01** Vapor Cycle System Air Conditioning Installation (Available for all aircraft)

**FSI-013\*** TKS Ice Protection System (Available for all aircraft)

**FSI-102** TKS Ice Protection Tank in Cargo Pod (Available for all TKS aircraft)

- This modification replaces the standard TKS tank located in the cabin with a welded aluminum tank located in the External Cargo Compartment. This option can be ordered standard with a new installation or is available for aircraft already equipped with a TKS system
- The Tank in Cargo Pod option addition does not reduce the loading capability of the cargo compartment because the tank is mounted to the bottom side of the aircraft.

**FSI-035\*\*** External Cargo Compartment Installation (Available for all aircraft)

**FSI-089\*\*^** Garmin Autopilot Retrofit Installation (SN 100-0001 thru 100-0129)

**FSI-100^** Addition of a panel mounted TAWS inhibit switch (SN 100-0001 thru 100-0066)

- Allows for quick inhibit of TAWS alerting to prevent nuisance annunciations during critical flight phases, and mirrors G1000 TAWS inhibit softkey and annunciations.

**FSI-101^** Air conditioning Inhibit Modification (SN 100-0001 thru 100-0066)

- Addition of an automatic inhibit to the air conditioning system during certain engine and generator power conditions. An annunciation accompanies this inhibit action (Air conditioning equipped aircraft only).

## SERVICE NOTICE

- FSI-033** Alternator Adapter Pad with Drain (SN 100-0001 thru 100-0074 without Air Conditioning)
- This modification allows drainage of oil should the accessory drive seal leak, thus keeping oil from entering the alternator.
- FSI-039** Bleed Air Shut Off Removal (SN 100-0001 thru 100-0057)
- This modification removes the redundant firewall bleed air shut off valve allowing for less component maintenance and expense for replacement.
- FSI-048** Installation of Crew Door Bumpers (SN 100-0001 thru 100-0077)
- This upgrade adds protection for the crew door handles to avoid damage to the left and right engine cowl door finish.
- FSI-073** Garmin Weather Radar (Available for all aircraft)
- Adds Garmin GWX-68 Radar system to the KODIAK® 100 G1000 Integrated Avionics System
- PN 100-715-0110** Interior Windshield Center Post Cover (SN 100-0001 thru 100-0081)
- This cover is a direct replacement and requires no special instructions for installation.
- FSI 11-03** Fuel Flow Transducer Upgrade to E.I. FT-180 (SN 100-0001 thru 100-0052)
- This upgrade eliminates erratic fuel flow indications during the engine start cycle.
- FSI-091** Replacement of Cargo Door Catches (SN 100-0001 thru 100-0110)
- This upgrade provides improved Cargo Door Catches (4). The Catches have an improved built in switch to eliminate nuisance CARGO DOOR annunciations. It also allows for easier cargo door catch rigging and adjustment
- Increased Landing Weight** (PN AM901.008) (Available for large tire option equipped aircraft, SN's 100-0001 thru 100-0108. This upgrade is included in SN 100-0109 and on)
- This upgrade increases landing weight by +565 lbs.
  - No structural changes required, but limited to aircraft with the supplement (PN AM901.008), *Oversized Tires and Landing Weight*, that operate the aircraft by the requirements defined in Section 2, LIMITATIONS, of the supplement.
  - A printed copy of the supplement is included with the purchase of this option.

## SERVICE NOTICE

**FSI-093/094** Locking pins for Inertial Particle Separator (SN 100-0001 thru 100-0124)

- This upgrade replaces the existing locking pins for the inertial particle separator with an improved design. Aircraft equipped with a single actuator inertial particle separator will order FSI-094 and those aircraft equipped with a dual actuator inertial particle separator will order FSI-093. Kodiak 100 aircraft serial numbers 100-0125 and above have this new design already integrated.

**FSI-066** Exterior Lighting LED Upgrade (SN 100-0001 thru 100-0097)

- This upgrade changes out the navigation, landing, taxi, and anti-collision lights from standard styles to LED styles.

**PN 100-270-3729-D01** Mast Plug, Crew Step (SN 100-0001 thru 100-0106)

- This plug is added inside each crew step to improve the attachment strut stiffness; reference AM902.0, *KODIAK 100 Airplane Maintenance Manual*, Revision 12 or later for installation procedures.
- Once installed, the crew step must be installed with AN4-10A bolts.

**FSI-118** Bleed Air Silencer Installation (SN 100-0001 thru 100-0161)

- This upgrade adds a bleed air silencer assembly in the engine compartment to mix hot air forward of the firewall, moving the bleed air sonic speed sounds outside of the cockpit, removing the high pitch noise from the cabin
- Improves the automated functionality of the Seamech Control head by changing the mixing valve to a butterfly style, forward of the firewall
- Allows for increased heat into the cabin by preventing the overheat sensor from disabling the system.
- Increases the weight of the aircraft by approximately 6 pounds

**NOTE: Delivery of some of the listed kits may depend on parts availability**

\*Installation only available by Quest factory

\*\*Installation only available by Quest factory or a Quest Authorized Service Center

^Installation only available by Quest factory or a Garmin Authorized Dealer

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