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CK 46A ELECTRICALLY HEATED FUEL TANK VENTS 20 June 1966

To provide safety feature of prevention of ice formation over fuel tank vents; operates automatically when pitot heat is used. Models 560A, 560E and 680.

CK 68B ELECTRIC WINDSHIELD WIPER 24 February 1975

To provide improved visibility for Models 500S, 560E, 560F, 680E, 680F, 680T and 681.

CK 73 BAGGAGE COMPARTMENT EXTENSION 27 November 1963

Modification increases baggage compartment space to 48 cubic feet / 350 pounds for Models 500A, 500B, 560F, 680E and 680F.

CK 81B WING LOWER SPAR CAP REINFORCEMENT KIT 17 March 65

Modification to add reinforcing straps to the lower spar cap between wing stations 38.00 left and right. Models 500, 500A, 500B, 520, 560, 560A, 560E, 560F, 680, 680E, 680F, 680FL, 680F(P), 680FL(P), 720, RL26C, RL26D.

CK 82A WING ICE INSPECTION LIGHT INSTALLATION 27 March 1967

Provides night flying safety feature by illuminating wing leading edge. Models 500A, 500B, 500S, 500U, 560F, 680F, 680FL, 680FL(P), 680F(P), 680T, 680V, 680W, and 681.

CK 87A NON-SIPHONING FUEL FILLER CAP 10 September 1973

Easily installed kit, cap interchangeable with present cap. Fuel tank remains sealed even if cap is not secure. Models 500, 500A, 500B, 500S, 500U, 520, 560, 560A, 560E, 560F, 680, 680E, 680F, 680FL, 680FL(P), 680F(P),

CK 94 ALTERNATE STATIC PRESSURE SOURCE 28 February 1967

Provides added safety feature of alternate static source for flight instruments for all prop driven Models except 520, 560, 720.

CK 97 IMPROVED HEATED STALL WARNING SWITCH INSTALLATION 10 June 1967

Modification approved for 'All-Weather' flight conditions with new visual speed control indicator and 'Tellite' switch installations for Models 500A, 500B, 500U, 560F, 680F, 680FL, 680FL(P), 680F(P), 680T.

CK 105 IMPROVED PROPELLER ELECTRICAL DEICER SYSTEM 11 June 68

Modification features convenient single-switch control for Models 500S, 500U, 560F, 680F, 680FL, 680FL(P), 680F(P).

CK 109A 100-AMPERE ALTERNATOR INSTALLATION 15 February 1971

Modification features lower engine RPM charging capabilities, improved system reliability, and sufficient amperage output to assume additional electrical loads that may be imposed on the systems of Models 500B, 500S, 500U.

CK 110 FUEL LOW LEVEL WARNING SYSTEM 1 April 1970

Provides a fuel low level warning system for the earlier Commander Models except 680T, 680V, 680W, 681.



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CK 111 IMPROVED CABIN DOOR SEAL 14 August 1970

Modification provides an improved cabin door seal assembly that allows a more positive door seal and smoother door operation for Models 680T, 680V, 680W, 681.

CK 112 IMPROVED ENTRANCE DOOR LOCKING MECHANISM AND BAYONET 1 September 1970

Modification provides an improved entrance door locking mechanism and bayonet release assembly for Model 680FL(P) and a bayonet release assembly for Models 680T, 680V, 680W.

CK 115 PROPELLER DEICER AMMETER INSTALLATION 3 June 1971

Modification provides an accurate indication of each propeller boot operation and an accurate visual indication that propeller deicer system is operating within designed electrical load limits for Models 680T, 680V, 680W, 681.

CK 116A IMPROVED ENGINE OIL SEPARATOR 15 May 1972

Modification provides an improved oil separator for better air oil separation for aircraft equipped with pneumatic operated equipment. Models 500B, 500S, 500U, 560F, 680F, 680FL, 680FL(P), 680F(P) equipped with H-14 Autopilot and/or deicing boots.

CK 118 LANDING GEAR WARNING HORN SILENCER INSTALLATION 16 February 1973

Allows the pilot to silence the gear warning horn when descending from altitude with the power levers in the flight idle position. Gear warning horn will automatically reset when power levers are advanced or, when flaps are lowered with throttle(s) retarded. Model 690 SN 11003 through 11019.

CK 119A BATTERY TEMPERATURE MONITORING SYSTEM 1 June 1973

Provides a visual means for monitoring battery temperature, which can be lowered by reducing electrical load, thereby increasing battery life. Model 690.

CK 120 DUAL OUTFLOW VALVE INSTALLATION 13 April 1973

Control of both outflow valves, coupled with new nose cone vent, helps minimize pressurization surges. Outflow valves are controlled to close at a rate that insures smooth initial pressurization of cabin for improved passenger comfort. Models 681, 685, 690.

CK 121 FUEL VENT CHECK VALVE INSTALLATION 23 May 1973

Prevents aircraft with long-range fuel systems from venting fuel overboard through wing vents during fueling and taxiing. Models 680T, 680V, 680W, 681.

CK 122 AIR COOLED BATTERY INSTALLATION 21 June 1973

Provides a means to prevent batteries from overheating and thereby increasing battery life. Models 681 and 690 SN 11005, 11008, 110118, 11021 and 11022.

CK 123 IMPROVED NOSE COWL ASSEMBLY 21 August 1973

Modification of nose cowl assembly permitting removal of nose cowl without removing propeller. Improves accessibility for engine maintenance and substantially reduces propeller removal and installation time. Model 685.



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CK 125 POSITIVE DOOR STOP 10 October 74

Provides a positive stop for the cabin entrance door on long fuselage Twin Commanders giving protection for door hinges and fuselage structure. Models 680FL, 680FL(P), 680T, 680V, 680W, 681, 685, 690.

CK 126 PARALLELING ALTERNATORS 24 July 1975

Installation of Lamar Voltage Regulators provides capabilities for paralleling alternators and better utilization of alternator power. Model 500S.

CK 127 ENVIRONMENTAL SYSTEM WATER SEPARATOR INSTALLATION 7 July 1976

Provides a water separator for environmental system to prevent moisture from entering cabin area through cabin air outlets. Model 690A.

CK 128B-2 FIREWALL BLEED AIR SHUTOFF SYSTEM 27 January 2012

Provides firewall shutoff valves for the bleed air system and a system to warn of high temperatures in the aft fuselage (that may be caused by bleed air leaks). Models 690A, 690B.

CK 129C INERTIA REEL AND SHOULDER HARNESS INSTALLATION 15 May 1979

Provides inertia reel and shoulder harness for crew seats. Models 500S, 685, 690, 690A, 690B.

CK 130A NEW ELECTROLUMINESCENT PANEL POWER SUPPLY INSTALLATION 8 December 2006

Provides a spares replacement kit for replacing the electroluminescent (E.L.) power supply on Models 690A, 690B.

CK 131 BLEED AIR SYSTEM MODIFICATION 30 August 2007

A modification that increases the reliability of the bleed air system by removing the systems bleed air bypass valve and blocking the direct bleed air path. Model 690A.

CK 132 EXTENDED RANGE FUEL SYSTEM MODIFICATION KIT 2 March 1981

An extended range fuel system modification that increases usable fuel capacity from 425 gallons to 474 gallons for a range increase of approximately 240 nautical miles. Models 690C, 695.

CK 133 IMPROVED SIDE WINDOW DEFOG SYSTEM 15 September 1981

Modification utilizes conditioned air to prevent pilot and copilot side window from fogging. It also provides pilot and copilot removable inner windows which eliminate cold air on the crew's shoulder. Models 690A, 690B, 690C, 695.

CK 134 IMPROVED INLET AIR SUPPLY FOR ENVIRONMENTAL 11 January 1982

Provides improved efficiency of Environmental Control Unit (ECU) by ducting only outside air across heat exchanger. Models 690C, 695.



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CK 135 AURAL MACH OVERSPEED WARNING SYSTEM 29 September 1982

Provides a fully automatic airspeed monitoring system, which, because of the low drag feature that allows the Commander jet props to easily increase airspeed during let down, has introduced the added safety feature of an aural warning in the event of an inadvertent overspeed of the airplane. The sensing switch is pre-set to aurally alert the pilot of airspeeds exceeding 243 KIAS. Models 690, 690A, 690B, 690C, 695.

CK 136 IMPROVED TAIL LIGHT/STROBE LIGHT ASSY 15 November 1984

Provides individual strobe light and individual tail light that is more economical to maintain with longer rated bulb life. Models 690B, 690C, 690D, 695, 695A.

CK 137 WINDSHIELD ANTIFOG SYSTEM 18 January 1985

Eliminates internal fogging of windshields and subsequent moisture problems. The gold-tinted heat film also acts as a sunscreen. Models 690, 690A, 690B, 690C, 690D, 695, 695A, 695B.

CK 138 AUTOMATIC IGNITION SYSTEM 15 April 1987

Provides automatic ignition for both engines in case of engine flameout during takeoff and landing on wet runways and during flights in icing conditions. Automatic ignition is not limited to only these conditions; it is available anytime the engine RPM is above 60 percent. Models 690C, 690D, 695, 695A, 695B.

CK 139 AUTOMATIC IGNITION SYSTEM 28 May 1987
Rev 1 9/1/1987

Provides automatic ignition for both engines in case of engine flameout during takeoff and landing on wet runways and during flights in icing conditions. Automatic ignition is not limited to only these conditions; it is available anytime the engine RPM is above 60 percent. Models 680T, 680V, 680W, 681, 690, 690A, 690B.

CK 140 HYDRAULIC NOSE STEERING SYSTEM CONVERSION TO 1 March 2011
BRAKE PEDAL ACTUATED
Rev B 3/1/2011

Modification to replace your electro-hydraulic nose wheel steering system with a brake-pedal actuated hydraulic nose steering system. Models 690C, 690D, 695A, 695B.

CK 141 ENVIRO AIR CONDITIONING AND PRESSURIZATION SYSTEM 17 July 1992
INSTALLATION

Provides an alternative air conditioning system for Models 690C and 695.

CK 144C LOWER SPAR CAP REPLACEMENT 19 June 2012

Provides replacement of the lower spar cap to restore the structural integrity of the original design of the Models 685, 690, 690A, and 690B.

CK 145A LOWER MAIN SPAR REPLACEMENT 20 February 2001

Provides replacement of the lower spar cap to restore the structural integrity of the original design of the Models 500S, 500U, 680FL, 680FL(P), 680W, and 681.



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CK 150 LOWER WING ACCESS HOLE KIT 8 July 1994

Provides approved access hole installation for inspection of lower wing spar (SB 208A) inside of wing between Stringer No. 7 and Stringer No. 8 at Wing Stations 79.00 and 106.36 or for access to gear trunnion fasteners requiring replacement for Models 690, 690A and 690B.

CK 151B RECOGNITION LIGHT KIT 28 March 2000

Provides an approved recognition light installation to increase the visibility of the airplane during flight for the Models 500S, s/n 3076 and later, 680W, s/n 1726 thru 1850, 681, 685, 690, 690A, and 690B, all serial numbers. Two kits are available--one with a pulsing function and one without.

CK 158 ADDITION OF INBOARD DEICE BOOTS 8 January 1996

Provides an approved installation for the addition of inboard de-ice boots for the Models 690, 690A, 690B, 690C, and 695.

CK 159 B NOSE GEAR AND GEAR SUPPORT MODIFICATIONS 18 May 2009

Provides approved modifications for nose gear and nose gear support structure problems caused by wear, overload conditions, prior AC-43.13 repairs, etc., for all Models.

CK 161 EXHAUST DUCT MODIFICATION 27 July 1998

Provides an approved modification of the original design exhaust installation for the Models 690, 690A, and 690B.

CK 162C LOWER FUSELAGE REPAIR 14 December 1999

Provides approved kits for repair of the lower fuselage stringers and lower floor keel beam caps for Models 500, 500A, 500B, 500S, 500U, 520, 560A, 560E, 560F, 680, 680E, 680F, 680FL, 680FLP, 680FP, 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 695 and 720. Kits may be ordered based on extent of damage.

CK 163 PPG WINDSHIELD MOISTURE SEAL INSTALLATION AND REPAIR
PROCEDURE FOR INSTALLED TWIN COMMANDER WINDSHIELDS 4 August 1998

Provides an approved procedure for installed windshields for the addition or repair of hump seals as the primary weather seal between the glass and fiberglass strap for the Models 690, 690A, 690B, 690C, 690D, 695, 695A, and 695B.

CK 164 F.S. 234.00 - 239.15 FUSELAGE SKIN REPAIR LOWER AFT
CORNER OF BAGGAGE DOOR 27 July 2000

Provides an approved repair for skin wrinkles / buckles located between fuselage stations 234.00 and 239.15 aft of the lower aft corner of the baggage door for Models 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, and 695. This kit adds an external skin doubler in the damaged area

CK 167 TAIL CONE INSTALLATION 1 September 2005

Provides Models 500S (SN 3076 thru 3323 only) 680T, 680V, 680W, 681, 690A, 690B, 690C, 690D, 695, 695A, and 695B with a later production standard single-piece tail cone. Also allows for the replacement of the "Stinger" tail cone for Models 690A and 690B.



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CK 170 SHOULDER STRAP INSTALLATION 22 November 2004

Provides a shoulder harness restraint system for the crew seats for the Models 690, 690A, and 690B. The available kits allow you to order the shoulder strap with the kit or to order the kit (hardware and installation instructions) and provide the strap from local sources.

CK 175A LOWER RIB REPLACEMENT-VERTICAL STABILIZER 31 August 2004

Provides an easy-to-install vertical stabilizer lower rib replacement part and an Alternate Means of Compliance for Service Bulletin 218 (AD 95-13-02) for Models 500, 500A, 500B, 500S, 500U, 560, 560A, 560E, 560F, 680, 680E, 680F, 680FL, 680FL(P), 680F(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A and 720.

Ck 176 REPLACEMENT AMMETER FOR PROP DEICER 6 June 2003

Provides an approved replacement for the original-equipment prop de-icer for the Models 685, 690, 690A, and 690B.

CK 177 LONGER SEAT TRACKS FOR CREW SEATS 31 July 2003

Provides longer replacement seat tracks for the pilot and co-pilot seats allowing the seats to slide farther aft, giving better access while on the ground. Models 690, 690A, 690B, 690C, and 695.

CK 178 REPLACEMENT VACUUM FILTER 3 October 2014

Provides an approved replacement for the original-equipment vacuum filters for all Twin Commander aircraft that use the AN5822-1 filter for the vacuum system.

CK 181 TAIL TIE-DOWN BUMPER REPLACEMENT 27 June 2006

Modification designed to repair and replace damage to surrounding skin and attachment structure of the tail tie-down bumper. The modification also improves the attachment of the bumper support to F.S. (429.477 long fuselage) or (355.477 short fuselage) frames. Models 500, 500A, 500B, 500S, 500U, 560, 560A, 560E, 560F, 680, 680E, 680F, 680FL, 680FL(P), 680F(P), 680T, 680V, 680W, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B.

CK 182L HID LANDING LIGHT KIT 04 June 2013

Provides an approved nose cone mounted landing light installation which increases the visibility of the airplane during landing and have no restrictions regarding when they can be activated during flight. The latest revision includes improved reflector design and replacement ballast. Models 500S, 680W, 681, 685, 690, 690A, 690B.

CK 183F ENVIRO PRESSURIZATION SYSTEM INSTALLATION 18 March 2011

Provides an approved, alternative Environmental Control System. Note The -553 kit allows for upgrading an existing ENVIRO installation to the new Temperature & Flow control modules & Flow sensor. For all serial numbers for Models 690C, 690D, 695, 695A, 695B, & also for all serial numbers that have not previously complied with earlier modification to Gulfstream Dwg 880718 (Environmental system installation). For conversion from Sundstrand to Enviro, bleed air only.



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CK 184 RUDDER PEDAL SEAL PLUG INSTALLATION 11 November 2011

To provide rudder pedal installation for all serial numbers for Models 680, 680FP, 681, 680T, 685, 690, 690A 690B, 690C, 695

CK 185 RUDDER PEDAL SEAL PLUG INSTALLATION 11 November 2011

To provide rudder pedal installation for all serial numbers for Models 690D, 695A, 695B

CK 186 REPLACEMENT OF WELDON FUEL BOOST PUMPS WITH
PARKER AIRBORNE FUEL BOOST PUMPS 21 September 2012

To provide approval and instruction for the replacement of Weldon Fuel Pumps with Parker Airborne Div. Fuel Pumps ...for Models 690C, 690D, 695, and 695A

CK 187 MAIN LANDING GEAR LINKAGE KIT 15 August 2012

This kit provides an approved main landing gear door torque tube mod. This is a design improvement for models 680W, 680T, 680V, 681, 690, 690A/B/C/D, 695, 695A/B.

CK 188 INSTRUCTIONS FOR INSTALLATION OF OXYGEN BOTTLE FILL
PORT 30 November 2012

This kit provides approval and instruction for the addition of the oxygen fill port for airplanes not equipped with such. For models 690A, 690B, 690C, and 695

CK 189 CENTER FUEL TANK LINER REUSABLE FASTENER INSTALLATION
KIT 10 April 2013

Repeated removal and reinstallation of the center fuel cell and liner system leads to damage to the parts and oversized assembly holes. This kit provides approved installation of reusable fasteners for assembly of the fuel cell liner system. For Models: 560A/E/F, 680, 680FL/FL(P)/F(P), 680T/V/W, 720, 681, 685, 690, 690A, 690B, 690C, 690D, 695, 695A, 695B

CK 190 B REPLACEMENT OF FLUORESCENT TUBE CABIN LIGHTS WITH LED
LIGHTS 5/20/2014

Replacement of fluorescent overhead cabin lights with low voltage LED (light emitting diode) lights reduces the overall electrical load and eliminates the need for the power supply which converts the 28 VDC of the aircraft to the 120 VAC required by the fluorescent lights. In addition, the life and brightness of the LED lights is significantly greater than that of the fluorescents. For Models: 690A, 690B, 690C, 690C, 690D, 695, 695A, 695B

CK 191 LEFT SIDE LONG SEAT RAIL INSTALLATION KIT INSTRUCTIONS 5/13/2014

To provide approval and instruction for long seat rails on the left side for passenger convenience. For Models: 680FL, 680T, 680W, 681, 685, 690, 690A, 690B, 690C, and 695.



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CK 193 410073 Dorsal Water Evacuation System Rev A 5/22/2015

REASON FOR PUBLICATION:

The installed Dorsal does not allow dispersion of moisture that builds up in the cavity between the Dorsal and the fuselage, which leads to corrosion on the fuselage skin under the Dorsal. This kit includes a system of parts to be installed under the Dorsal to provide channels for moisture to drain out of the cavity. Note: Refer to CK196 if a new Dorsal is desired or the existing Dorsal is damaged beyond repair. CK196 installs a dorsal with a built in drainage system, and is effective for models 690A/B. all

CK 194 Instructions for Installation of improved "Baggage Door Open" Switch 1/13/2015

To provide approval and instruction for the installation of an alternate switch for "Baggage Door Open" indication.
For Models: 690D Serial Numbers 15000 thru 15031, and 695A Serial Numbers 96000 thru 96061.

CK 195 410014-9 Composite Laminate Dorsal Fin Rev IR 4/21/2015

REASON FOR PUBLICATION:

To replace Dorsal Fin made of plastic with more durable Composite Laminate material and is effective for models 690A/B. all

CK 196 410073-25 Composite Laminate Dorsal Shell with Moisture Dispersion System 4/22/2015
Rev IR

REASON FOR PUBLICATION:

The Dorsal of the original design (P/N 430073-1/-501/-503/-505/-507) does not allow dispersion of moisture that builds up in the cavity between the Dorsal and the Fuselage, which leads to corrosion on the fuselage skin under the Dorsal. This kit includes a Dorsal that provides channels for moisture to drain out of the cavity and is effective for models 690A/B. all

CK 197 Beta Pressure Switch System Modification 6/11/2015
Rev IR

REASON FOR PUBLICATION:

This Custom Kit provides an approved modification to the Beta Pressure System. The addition of a restrictor before the Beta Pressure Switch will dampen pressure fluctuations in the system, eliminating the Beta pressure Indicator Light to flicker in flight and is effective for all 690, 690A, and 690B models.