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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 50 RUDDER PEDAL AND CONTROL COLUMN BOOT KIT INSTALL 17 December 2013
To provide replacement parts and instructions for the installation of rudder pedal and control column boots for aircraft pressurized to the floor. Models (All) 680, 680FL, 680FL(P), 680F(P), 680T/V/W, 681, 685, 690, 690A/B/C, 695

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

CK 82A WING ICE INSPECTION LIGHT INSTALLATION 27 March 1967

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

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
Rev 1 dated 24 Nov 1967

CK 105 IMPROVED PROPELLER ELECTRICAL DEICER SYSTEM 11 June 68
Rev 1
Rev 2 dated 12 December 1972
CUSTOM KIT INDEX

CK 109A 100-AMPERE ALTERNATOR INSTALLATION
Rev 1  Oct 13 1972
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.

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

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.

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 129E  INERTIA REEL AND SHOULDER HARNESS INSTALLATION  3 October 2012
Provides inertia reel and shoulder harness for crew seats. Models 500S, 685, 690, 690A, 690B.

CK 130  NEW ELECTROLUMINESCENT PANEL POWER
SUPPLY INSTALLATION  4 November 1977
Rev 1 Dec 8 2006
Provides a spares replacement kit for replacing the electroluminescent (E.L.) power supply on
Models 690A, 690B.

CK 131  BLEED AIR SYSTEM MODIFICATION  31 August 1978
Rev 1 Aug 30 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
Rev 1 July 13 1982
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

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.

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.
<table>
<thead>
<tr>
<th>CK 141</th>
<th>ENVIRO AIR CONDITIONING AND PRESSURIZATION SYSTEM INSTALLATION</th>
<th>17 July 1992</th>
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<tbody>
<tr>
<td></td>
<td>Provides an alternative air conditioning system for Models 690C and 695.</td>
<td></td>
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<tr>
<td>CK 144C</td>
<td>LOWER SPAR CAP REPLACEMENT</td>
<td>19 June 2012</td>
</tr>
<tr>
<td></td>
<td>Provides replacement of the lower spar cap to restore the structural integrity of the original design of the Models 685, 690, 690A, and 690B.</td>
<td></td>
</tr>
<tr>
<td>CK 145A</td>
<td>LOWER MAIN SPAR REPLACEMENT</td>
<td>20 February 2001</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>CK 150</td>
<td>LOWER WING ACCESS HOLE KIT</td>
<td>8 July 1994</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>CK 151B</td>
<td>RECOGNITION LIGHT KIT</td>
<td>28 March 2000</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>CK 158</td>
<td>ADDITION OF INBOARD DEICE BOOTS</td>
<td>8 January 1996</td>
</tr>
<tr>
<td></td>
<td>Rev 1 January 8 2013</td>
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<tr>
<td></td>
<td>Provides an approved installation for the addition of inboard de-ice boots for the Models 690, 690A, 690B, 690C, and 695.</td>
<td></td>
</tr>
<tr>
<td>CK 159C</td>
<td>NOSE GEAR AND GEAR SUPPORT MODIFICATIONS</td>
<td>9 October 2013</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>CK 161</td>
<td>EXHAUST DUCT MODIFICATION</td>
<td>27 July 1998</td>
</tr>
<tr>
<td></td>
<td>Provides an approved modification of the original design exhaust installation for the Models 690, 690A, and 690B.</td>
<td></td>
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<tr>
<td>CK 162C</td>
<td>LOWER FUSELAGE REPAIR</td>
<td>14 December 1999</td>
</tr>
<tr>
<td>CK 163</td>
<td>PPG WINDSHIELD MOISTURE SEAL INSTALLATION AND REPAIR PROCEDURE FOR INSTALLED TWIN COMMANDER WINDSHIELDS</td>
<td>4 August 1998</td>
</tr>
<tr>
<td></td>
<td>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.</td>
<td></td>
</tr>
</tbody>
</table>
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.

CK 170  SHOULDER STRAP INSTALLATION  12 January 2015

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


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


CK 182M  HID LANDING LIGHT KIT  16 December 2014

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.
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.

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

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

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

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.

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

Repeated removal and reinstalation 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

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, 690D, 695, 695A, 695B
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CK 191  LEFT SIDE LONG SEAT RAIL INSTALLATION KIT INSTRUCTIONS  13 May 2014

To provide approval and instruction for long seat rails on the left side for passenger convenience.

CK 193  410073 Dorsal Water Evacuation System  Rev B  21 August 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  13 January 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  21 April 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  22 April 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  11 June 2015
Rev IR

REASON FOR PUBLICATION:
This Custom Kit privides 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 Indictor Light to flicker in flight and is effective for all 690, 690A,
and 690B models.

CK 198  410080 Dorsal Water Evacuation System  30 October 2015
Rev IR

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.  Models 690C/D, 695, 695A/B
all.
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<table>
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<th>Kit Number</th>
<th>Description</th>
<th>Date</th>
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<td>CK 200</td>
<td>410080 Composite Laminate Dorsal Shell With Moisture Dispersion System</td>
<td>6 November 2015</td>
</tr>
<tr>
<td></td>
<td>Rev IR</td>
<td></td>
</tr>
<tr>
<td><strong>REASON FOR PUBLICATION:</strong></td>
<td>The Dorsal of the original design (410080-3, -1 installation 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 under the Dorsal. This kit includes a replacement Dorsal that provides channels for moisture to drain out of the cavity, and is for replacement of a previously installed 410080 Dorsal. Models 690C/D, 695, 695A all.</td>
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<tr>
<td>CK 202</td>
<td>Instructions for Installation of Improved Remotely Controlled Circuit Breakers</td>
<td>12 April 2016</td>
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<td>Rev A</td>
<td></td>
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<tr>
<td><strong>REASON FOR PUBLICATION:</strong></td>
<td>To provide approval and instruction for the installation of an alternate Remotely Controlled Circuit Breaker Models: 690A, 690B</td>
<td></td>
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<tr>
<td>CK 203</td>
<td>Instructions for Rudder and Elevator Trim Potentiometer Replacement</td>
<td>20 April 2016</td>
</tr>
<tr>
<td><strong>REASON FOR PUBLICATION:</strong></td>
<td>This kit provides instructions for replacement of 850626-503 and 850633-503 Transmitters Models 690C/D, 695, 695A 695B all.</td>
<td></td>
</tr>
<tr>
<td>CK 204</td>
<td>Landing Gear Warning Horn Installation</td>
<td>10 June 2019</td>
</tr>
<tr>
<td><strong>REASON FOR PUBLICATION:</strong></td>
<td>This kit provides instructions for replacement of 53514-3 and 53534-103 Horns, which are no longer available. Models 500S: 3155 thru 3323, 685: 12028 thru 12066, 690: 11070 thru 11085, 690A: 112048, 11250 thru 11268.</td>
<td></td>
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</tbody>
</table>