

Trans-Cal Industries, Inc.

ADAPTER PLATE (ACK) Part Number 103059 Installation Instructions

Overview

Trans-Cal Industries Adapter Plate part number 103059 allows the avionics technician to quickly replace existing ACK altitude encoder installations in favor of Trans-Cal's SSD120-(XX)N(X)-(X). This adapter simplifies the mechanical installation task by providing a mounting plate designed for the SSD120-(XX)N(X)-(X) while utilizing the existing ACK mounting tray. The adapter plate is manufactured from .062" thick aluminum with chem-film treatment to inhibit corrosion. The adapter is shipped with stainless steel fastening hardware to secure the digitizer to the plate.

Please note:

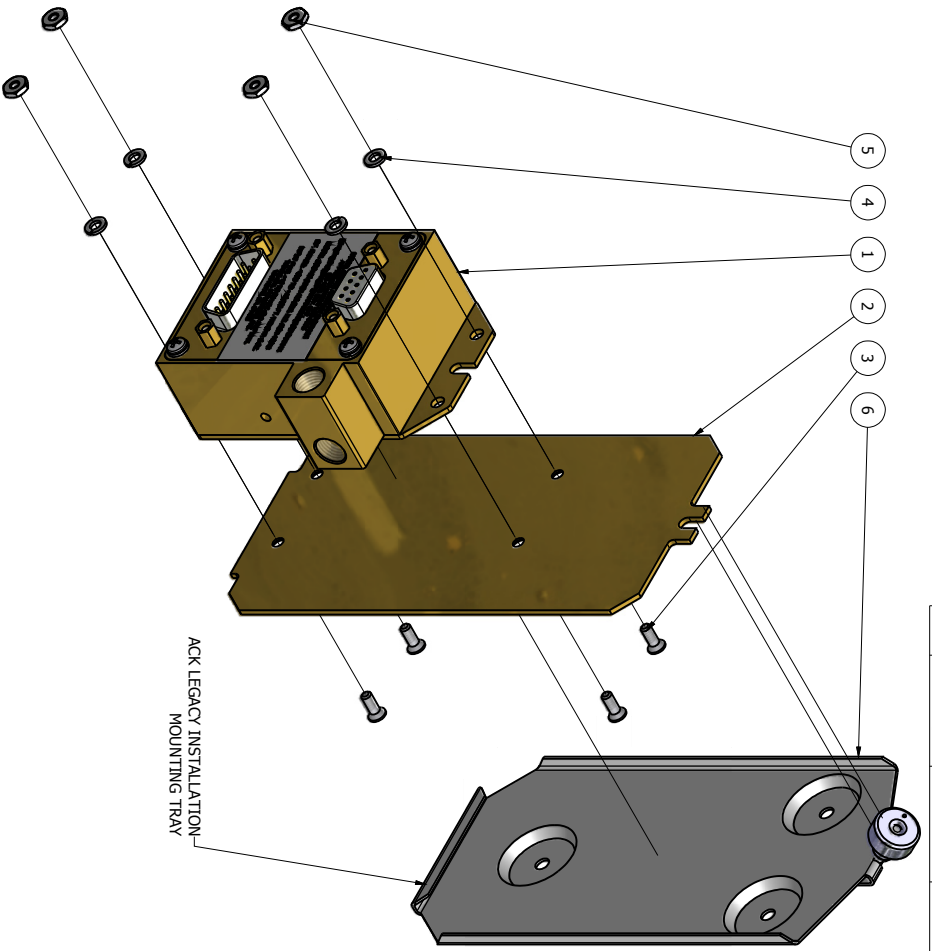
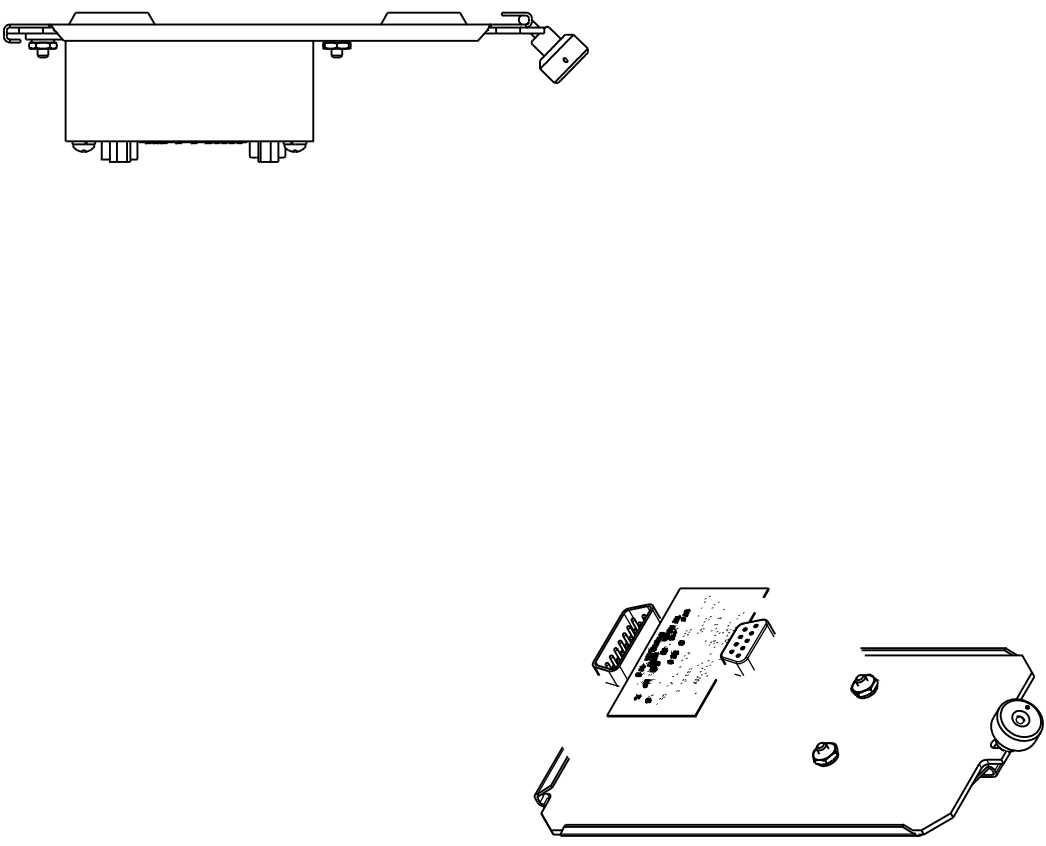
The SSD120-(XX)N(X)-(X) and this adapter plate are approved under TSO-C88a and ETSO-C88a. It is the responsibility of the installer of this equipment, within a specified type or class of aircraft, to determine that the aircraft operating conditions are within TSO or ETSO standards.

Assembly and Installation Instructions (Refer to TCI Drawing 103067)

1. Secure the altitude digitizer (item 1) to the adapter plate (item 2) using four flat head screws, lock washers and nuts (items 3, 4 and 5) as shown on drawing 103067
2. Make all electrical/data and static line connections to the altitude digitizer (item1) as per the digitizer installation instructions.
3. Place this assembly into the existing ACK mounting tray (item 6) and snug the ACK retaining nut to secure the unit to the tray.
4. Test and verify the altitude digitizer operation as per the altitude digitizer installation manual.

Trans-Cal Industries Inc.
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REVISION HISTORY		
REV	DESCRIPTION	DATE
A	PRODUCTION RELEASE	7/8/2008
	APPROVED	J. Ferrero



ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	SSD120-(XXX)(X)-(X)	Altitude Digitizer
2	1	103039	Adapter Plate (ACK)
3	4	600011-3	#4-40 X .375" Flat Head Phillips Screw
4	4	600006-4	Lock Washer #4 Regular Helical Spring
5	4	600025-4	#4-40 Hex Machine Screw Nut
6	1	ACK Tray	ACK MOUNTING TRAY ASSEMBLY

MTRL./FINISH	
H. Smith	7/8/2008
Checked	7/8/2008
M. Remethh	QA
J. Ferrero	7/8/2008
MFG	7/8/2008
C. Herrera	APPROVED
J. Ferrero	7/8/2008

TOLERANCES, UNLESS OTHERWISE NOTED	
Dimensions:	Angles ±1.0°
XX±.010	
XXX±.005	

THIRD ANGLE PROJECTION	
SCALE 1:1	UNITS: INCH
SIZE	DO NOT SCALE
DRAWING	DWG NO
C	103067
REV	A

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Assembly, SSD120-XXXN Adapter Plate (ACK)

SHEET 1 OF 1