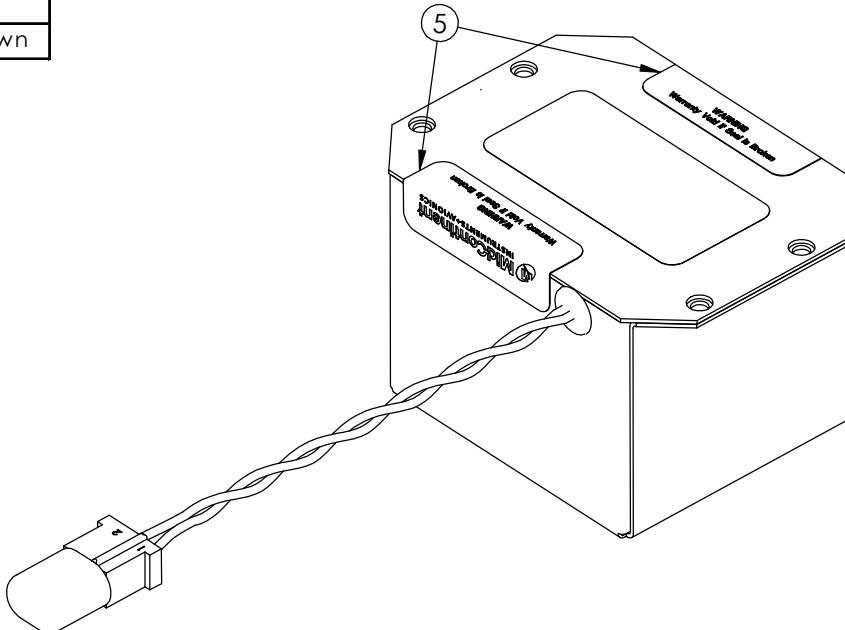


Configuration	
Dash #	
Basic	As Shown



Revision			
ECO	Rev.	Description	Date
		See obsolete drawing for revision history	
5643	D	Change charging and capacity test instructions to match install manual.	09/12/11 KT/MKN
6775	E	Weight in title block was Concentricity. Add weight to notes.	07/06/17 Sch/VAA
6870	F	Added 2 ea. item 5 (6018956).	02/15/18 MEK/VAA
6905	G	Item 1 was 9015813, item 2 was 9015721, added references to mod 0 & 1	04/23/18 MEK/Sch

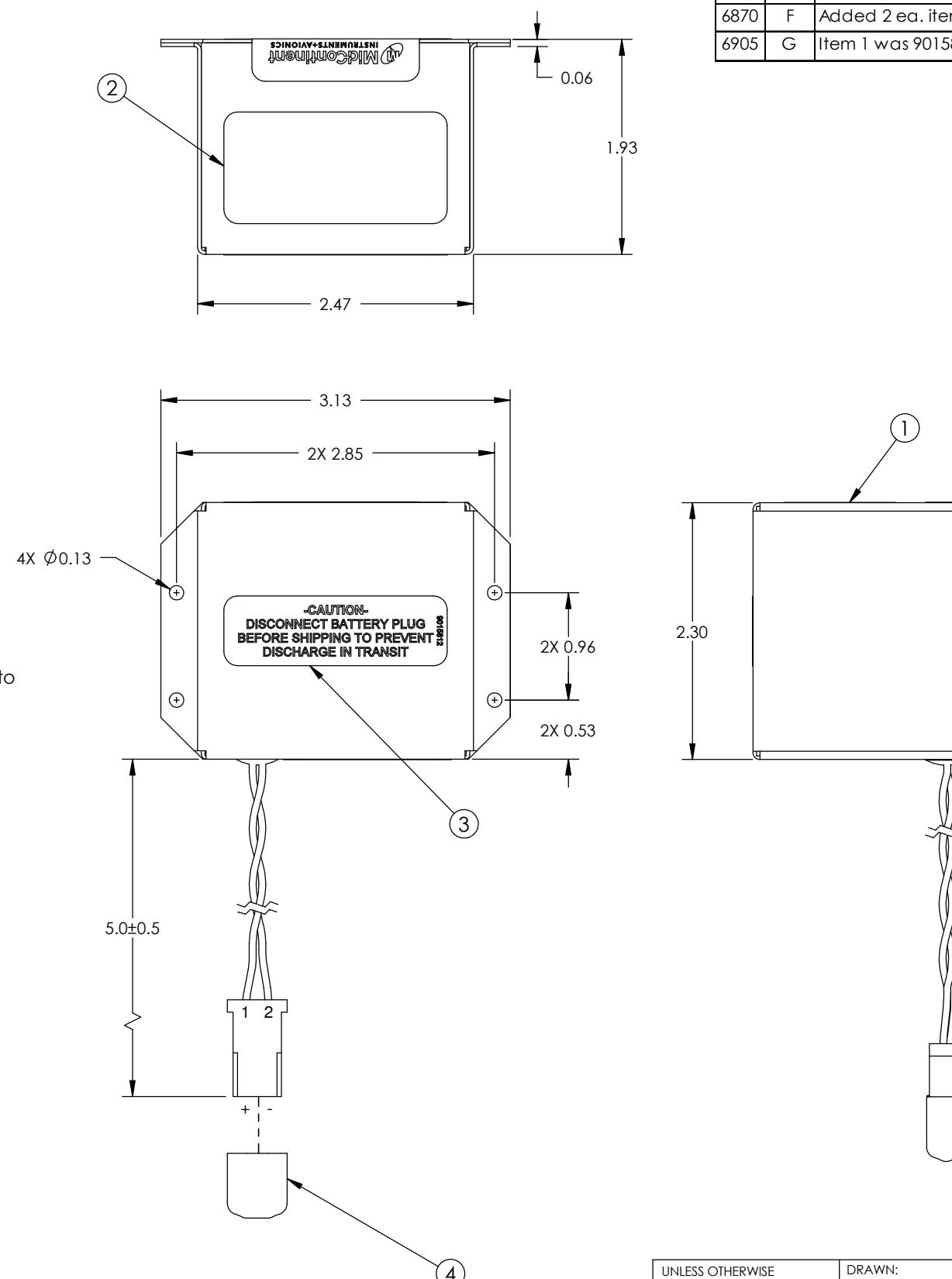
Notes:

1. Recommended replacement interval for the standby battery (P/N 9015607) is 3-years after the date of manufacture listed on the nameplate. The battery can be replaced by the user if desired. The standby battery for Mod 0 contains lead, for Mod 1 contains Ni-MH. Recycle the battery in accordance with state and local regulations.
2. The standby battery should be kept charged by one of the following methods:
 - A. Float Charging (Continuous): Disconnect the battery from the indicator. Connect the battery to a constant voltage source, pin #1 positive, of 20.4 to 20.6 VDC continuously.
 - B. Routine Charging (Any given method, every 3 months minimum):
 - i. Plug the battery into the 4300 Electric Attitude Indicator. Run the unit overnight (approx. 15 hours) at the rated voltage.
 - ii. Disconnect the battery from the 4300 Indicator. Connect the battery to a constant voltage source (battery plug pin #1 red wire = positive) of 21.6 to 22.1 VDC with a current limit of 0.1 ampere maximum. After the first of a) eight hours, or b) when the charging current drops to approximately 5mA, the battery is fully charged.
 - iii. Charge the battery using Mid-Continent Instruments Battery Charger (P/N 36029) per its instructions.
3. A full battery capacity test must be performed at least on an annual basis, as well as any time there may be a question about battery performance (life).

Full Battery Capacity Test:

- A. Disconnect battery pack from the 4300 Attitude Indicator.
- B. Ensure the battery is completely charged and at or near normal room temperatures (20-25°C).
- C. Connect the battery to a load of 90 ohms (rated for 10 watts) for 60 minutes while monitoring the battery voltage level.
 - i. If the battery voltage is above 15.0 volts at the end of the 60-minute battery capacity test, the battery should be capable of continued use after recharging is complete.
 - ii. If the battery voltage drops below 15.0 volts before the end of the 60-minute test period while under load, the battery pack is nearing the end of its service life and should be replaced.
- D. Recharge the battery pack immediately. WARNING: The battery may be permanently damaged if it is left in a discharged state. Recharge a discharged battery as soon as possible and maintain with a float charge for maximum battery life.

4. Battery weight: Mod 0 = 1.0 lbs. ; Mod 1 = 10.5 oz.



UNLESS OTHERWISE
SPECIFIED, ALL DIMENSIONS
ARE IN INCHES.
TOLERANCE:
FRACTIONAL= ±1/64
XX= ±0.015
XXX= ±0.005
XXXX= ±0.002
ANGULAR= ±0.5°
WEIGHT N.E. +5%
BREAK ALL SHARP EDGES
THREADS PER MIL-S-7742

DRAWN:
NHK
03/20/2003

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APPROVED:
JBR
08/27/2003

Item	Qty	Part Number	Description
1	1	9019097-1	Assy, Battery
2	1	9015721-1	Nameplate, Battery
3	1	9015812	Label, Battery Disconnect
4	1	9015832	Cap, Electrical Plug
5	2	6018596	Decal, Warranty

MidContinent™
INSTRUMENTS+AVIONICS

PART NUMBER:
9015607

SCALE: 3:4 DO NOT SCALE THIS DRAWING SHEET: 1 of 1