



**SAE CALIBRATION PROCEDURE:**

1. INSTALL THE CALIBRATION PLATE TO THE FIXTURE BASE THAT CORRESPONDS TO THE SIZE OF THE CHEST POTENTIOMETER TO BE CALIBRATED. THE PLATE IS INSTALLED WITH TWO PINS AND TWO #10-24 SCREWS AS SHOWN ABOVE.
2. INSERT THE 1/4" DIAMETER LOCATING PIN INTO THE CROSS SLIDE AND INTO THE X0 HOLE IN THE CALIBRATION PLATE.
3. INSTALL THE CHEST POTENTIOMETER INTO THE CORRECT HOLE AND SECURE BALL TO CROSS SLIDE USING CLAMP AND TENSION SPRING AS SHOWN ABOVE. INSTALL THE MOUNTING SCREW TO SECURE THE CHEST POTENTIOMETER TO THE FIXTURE.
4. FOLLOWING THE SAE PROCEDURE WITH THE BALL AGAINST THE CROSS SLIDE INSERT THE LOCATING PIN IN THE X0 POSITION AND RECORD THE X0 READING.
5. REMOVE THE LOCATING PIN AND REPOSITION THE CROSS SLIDE TO INSERT THE PIN INTO THE XC HOLE.
6. FOLLOWING THE SAE PROCEDURE WITH THE BALL AGAINST THE CROSS SLIDE RECORD THE XC READING.

**NOTE:**  
INCREMENTAL CALIBRATIONS CAN BE PERFORMED BY USING THE SUPPLIED DIGITAL SCALE.

**(B) EXPANDING PIN NOTICE:**

THIS PIN MUST BE FULLY INSERTED BEFORE ACTIVATING THE LOCKING HANDLE. FAILURE TO DO SO WILL CAUSE PERMANENT DAMAGE TO THE PIN.

**(D) TABLE 1**

DWG. #	POT CALIBRATION
5245	HIII 3Y0-95TH CHEST POT
5473	BIOCID STRING POT
5525	KNEE LINEAR POT
5528	KNEE STRING POT
5534-1	ES-2 LINEAR POT W/ ROD END
5534-2	ES-2 LINEAR POT W/O ROD END
5534-3	SID-II <sub>s</sub> LINEAR POT W/ ROD END
5534-4	SID-II <sub>s</sub> LINEAR POT W/O ROD END
5534-5	DOT SID LINEAR POT
5537	EURSID-I LINEAR POT
5540	IrTRACC
6790	ROTARY POT FIXTURE
7451	64mm IrTRACC

HYBRID III CHEST POTENTIOMETER CALIBRATION FIXTURE			
E	CORRECT 5245	8/09	C.D.H.
D	ADD TABLE	5/09 3164	GMB
C	REVISED TEXT	3/09 3091	M.C.F.
B	ADD NEW PIN / CAUTION	12/04 1522	M.C.F.
A	RE-DESIGN	11/01	C.D.H.
SYM	REVISION	DATE	CAR# INIT.

  

SCALE: NONE	DRAWN BY: G.R.MORGAN
DATE: 21 JUNE 01	MODEL: 5245
UNLESS OTHERWISE SPECIFIED	
TWO PLACE DECIMALS	± .010 SURFACE FINISH 125- $\sqrt{R}$
THREE PLACE DECIMALS	± .005 REMOVE ALL BURRS & SHARP EDGES
DIMENSION LIMITS HELD AFTER PLATING	
<b>ROBERT A. DENTON, INC.</b> ROCHESTER HILLS, MICHIGAN	
DRAWING NUMBER: <b>C-5245</b>	