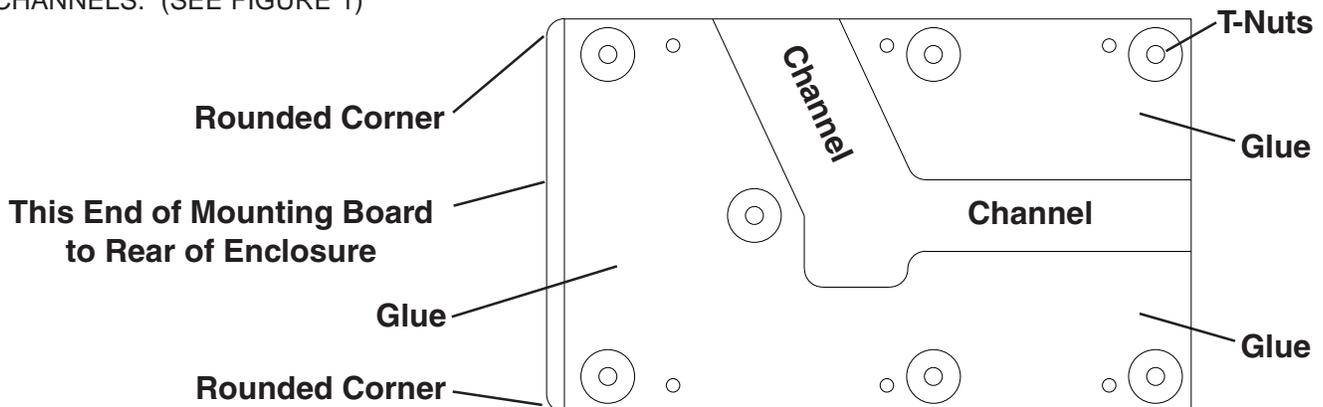


## YOU WILL NEED:

- ONE SHORT-HANDLED PHILLIPS SCREWDRIVER
- ONE SHORT-HANDLED ¼" NUT DRIVER
- SMALL SCRAPER OR PUTTY KNIFE
- SMALL WIRE (SIDE) CUTTER TO SNIP CABLE TIES
- CARPENTERS' WOOD GLUE
- 3M SUPER 77 SPRAY ADHESIVE OR LIQUID CONTACT CEMENT

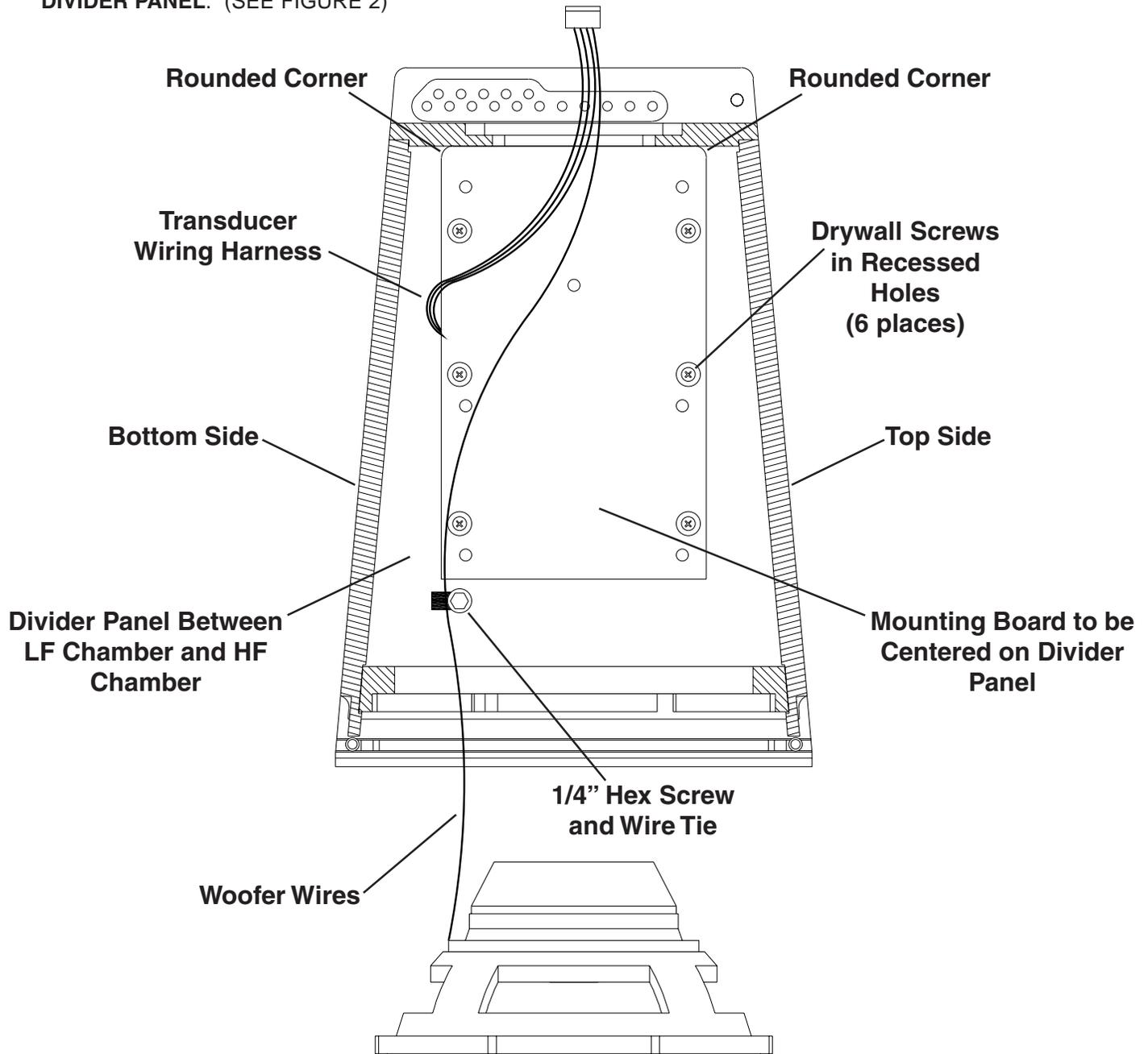
301946-000 XLD/E CROSSOVER RETROFIT PARTS LIST		
P/N	DESCRIPTION	QTY.
702080-000	XLD/E XOVER RETROFIT MTG BOARD	1
560408-000	XOVER, XLD/E	1
38809	WASHER, FLAT, NYLON	7
607214 L CP	SCREW, 10-24 X 7/8	7
73413	CABLE TIE	1
591621-000	BATTING	1LF
581141-000	#8 x 1¼" DRYWALL SCREW	6
38110474	INSTRUCTIONS, XLD/E XOVER RETROFIT	1

- 1) REMOVE THE 6 SCREWS HOLDING THE INPUT PANEL. CAREFULLY UNPLUG THE MOLEX CONNECTOR FOR THE TRANSDUCER WIRING AND PEEL OFF THE CONTACT INFORMATION LABEL COVERING THE "BIAMP" INDICATOR WINDOW ON XLD OR "PASSIVE" INDICATOR WINDOW ON XLE.
- 2) REMOVE THE GRILLE.
- 3) REMOVE THE WOOFER THAT SHARES THE SAME CHAMBER AS THE INPUT PANEL.
- 4) STAND THE ENCLOSURE ON ONE END WITH THE NOW OPEN CHAMBER ON TOP. REMOVE THE BATTING FROM THIS CHAMBER AND DISCARD.
- 5) USING THE ¼" NUT DRIVER, UNSCREW THE TWO CABLE TIES SECURING THE WIRES TO THE DIVIDER PANEL. SAVE THE SCREWS.
- 6) CAREFULLY SNIP THROUGH THE CABLE TIES TO FREE THE WIRES FROM THEIR BUNDLE, TAKING CARE NOT TO DAMAGE THE INSULATION ON THE WIRES.
- 7) SCRAPE OFF ANY EXCESS GLUE DRIBBLES, ADHESIVE AND LEFTOVER BATTING FROM THE SIDEWALLS OF THIS CHAMBER, ESPECIALLY THE DIVIDER PANEL. **TAKE CARE NOT TO ALLOW WIRING TO BE DAMAGED BY YOUR SCRAPER BLADE.** DO NOT DISTURB CAULKING MATERIAL IN WIRING THRU-HOLE TO HF CHAMBER. IF YOU DO, IT MUST BE RE-SEALED WITH SILICONE RTV CAULK.
- 8) NOTE THE CHANNELS MILLED INTO ONE SIDE OF THE NEW MOUNTING BOARD. (THE SIDE WITH THE T-NUTS SHOWING) APPLY AN EVEN LAYER OF WOOD GLUE TO THE FLAT AREAS ADJACENT TO THESE CHANNELS. (SEE FIGURE 1)



**Figure 1: Apply Glue to Mounting Board**

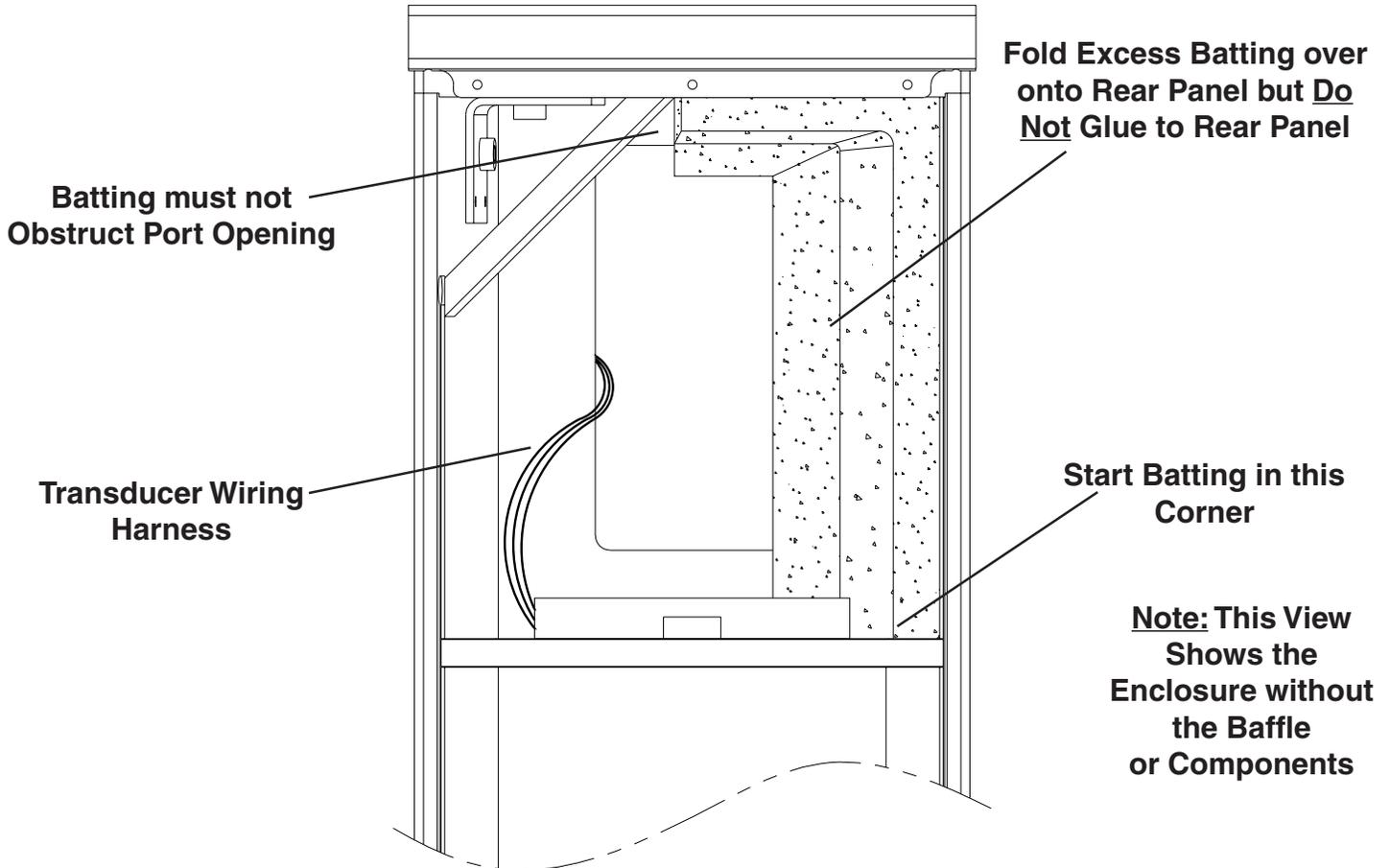
- 9) CENTER THE NEW CROSSOVER MOUNTING BOARD TOP-TO-BOTTOM ON THE DIVIDER PANEL WITH THE WIRING TO THE HF CHAMBER ROUTED THROUGH THE **ANGLED** CHANNEL ON THE UNDER-SIDE OF THE BOARD. THE END OF THE BOARD WITH THE **ROUNDED CORNERS** MUST BE FLUSH AGAINST THE **REAR** OF THE ENCLOSURE AND THE SCREW POINT STICKING THROUGH FROM THE HF CHAMBER SHOULD BE IN THE **NARROWER CHANNEL** NEAR THE FRONT. **MOUNTING BOARD MUST LAY FLAT AGAINST THE DIVIDER PANEL.** (SEE FIGURE 2)



**Figure 2: Attach Mounting Board to Divider Panel on Interior of Enclosure**

- 10) INSERT ONE DRYWALL SCREW (PROVIDED) INTO EACH OF THE SIX RECESSED HOLE LOCATIONS AND TIGHTEN SECURELY.
- 11) USING ONE OF THE ORIGINAL SCREWS AND THE NEW CABLE TIE, SECURE THE WOOFER WIRES TO THE DIVIDER PANEL NEAR THE FRONT OF THE ENCLOSURE. (SEE FIG. 2 FOR LOCATION) **REMEMBER TO LEAVE PLENTY OF SLACK AT EACH END TO REACH BOTH THE WOOFER TERMINALS AND THE INPUT PANEL.** SNIP OFF THE EXCESS CABLE TIE AND DISCARD.

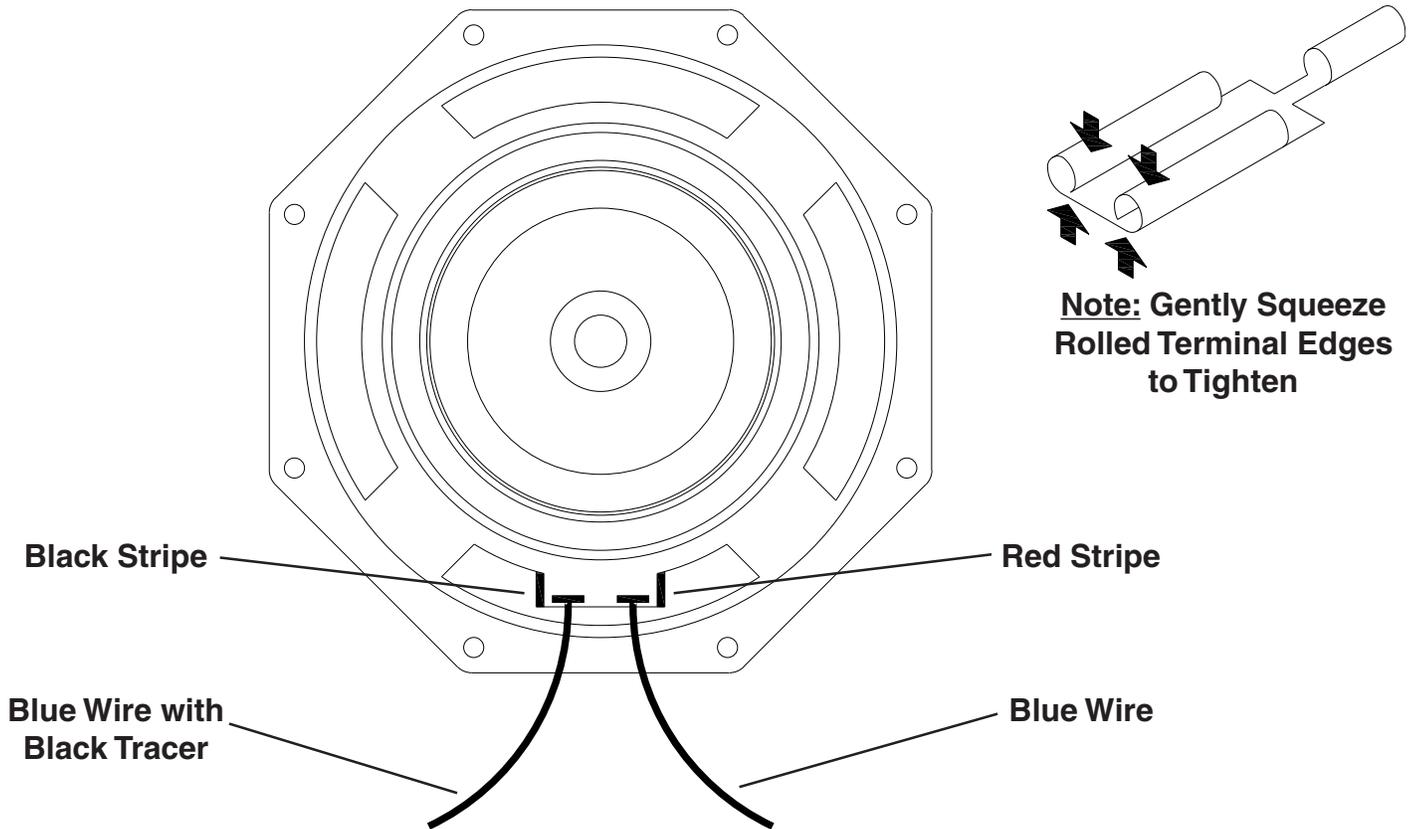
- 12) APPLY SUPER 77 (OR CONTACT CEMENT) TO THE ENTIRE BOTTOM PANEL AND THE END PANEL. WAIT ABOUT 1 MINUTE, (**DO NOT ALLOW ADHESIVE TO DRY COMPLETELY**) THEN FOLD THE NEW PIECE OF BATTING IN HALF AND INSERT IT THROUGH THE WOOFER OPENING. PLACE THE FRONT EDGE OF THE BATTING UP AGAINST THE BAFFLE AND TUCK THE ADJACENT EDGE DOWN BETWEEN THE BOTTOM PANEL AND THE NEW MOUNTING BOARD. PRESS THE BATTING UP INTO THE CORNER WITH THE SIDE PANEL AND FOLD IT AROUND AS FAR AS IT WILL GO. **BATTING SHOULD NOT BLOCK ANY PART OF THE PORT OPENING.** ALLOW EXCESS TO FOLD OVER ONTO REAR PANEL BUT DO **NOT** GLUE TO REAR PANEL. (SEE FIGURE 3)



**Figure 3: Installing New Batting in Low-Frequency Chamber**

- 13) PLACE A PLASTIC WASHER ON EACH OF THE SEVEN 10-24 MACHINE SCREWS AND INSERT ONE INTO EACH OF THE SEVEN GROMMETS ON THE COMPONENT SIDE OF THE CROSSOVER. NOTE THAT THE GROMMETS ARE FURTHER IN FROM THE END OF THE CIRCUIT BOARD ON ONE END. INSERT THE CROSSOVER THROUGH THE WOOFER OPENING THIS END FIRST AND POSITION SO ALL SEVEN SCREWS LINE UP WITH THEIR CORRESPONDING THREADED HOLES IN THE MOUNTING BOARD BEFORE SECURELY TIGHTENING ALL SEVEN SCREWS. **DO NOT TRAP ANY WIRES UNDER CIRCUIT BOARD.**
- 14) ON THE INPUT PANEL, SELECT THE OPERATING MODE BY MOVING THE 4-WIRE JUMPER PLUG AT THE EDGE OF THE CIRCUIT BOARD.  
**XLD:** SELECT "BIAMP" OR "TRIAMP" OPERATION  
**XLE:** SELECT "PASSIVE" OR "BIAMP" OPERATION  
MAKE SURE ALL 4 PINS ARE COMPLETELY ENGAGED.
- 15) RE-CONNECT THE **TRANSDUCER WIRING** MOLEX CONNECTOR TO THE HEADER ON THE BACK OF THE INPUT PANEL CIRCUIT BOARD **NEAR THE TOP EDGE.** CONNECT THE 4-WIRE MOLEX PLUG FROM THE **CROSSOVER** TO THE 4-PIN HEADER LOCATED NEAR THE **CENTER** OF THE BOARD. **DOUBLE CHECK YOUR WORK.** BE SURE ALL PINS ARE COMPLETELY AND SECURELY ENGAGED.
- 16) RE-INSTALL THE INPUT PANEL.

- 17) RE-CONNECT WOOFER, TAKING CARE TO **OBSERVE PROPER POLARITY**: SOLID BLUE WIRE CONNECTS TO (+) TERMINAL (RED STRIPE) AND THE BLUE WIRE WITH BLACK TRACER CONNECTS TO THE (-) TERMINAL. (ALL BLACK) **!!! IMPORTANT!!! FASTON TERMINALS MUST FIT SNUG AND TIGHT!!!** GENTLY SQUEEZE ROLLED TERMINAL EDGES AS NECESSARY TO ACHIEVE A GOOD RELIABLE CONNECTION. (SEE FIGURE 4)



**Figure 4: Re-Connect Woofer Wires to Terminals**

- 18) RE-INSTALL WOOFER TAKING CARE NOT TO ALLOW ANY WIRES TO BUNCH UP WHERE THEY COULD COME IN CONTACT WITH THE CONE.
- 19) REPLACE GRILLE.
- 20) **TEST:**

**XLD IN "TRIAMP" MODE**

PINS 1: PASS THROUGH  
PINS 2: LF2  
PINS 3: LF1  
PINS 4: HF

**XLD IN "BIAMP" MODE**

PINS 1: PASS THROUGH  
PINS 2: LF2  
PINS 3: PASSIVE XOVER TO LF1 & HF  
PINS 4: PASS THROUGH

**XLE IN "BIAMP" MODE**

PINS 1: PASS THROUGH  
PINS 2: PASS THROUGH  
PINS 3: LF  
PINS 4: HF

**XLE IN "PASSIVE" MODE**

PINS 1: PASS THROUGH  
PINS 2: PASS THROUGH  
PINS 3: PASSIVE XOVER TO LF & HF  
PINS 4: PASS THROUGH



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*Specifications subject to change without notice.*