



Assembly Instructions

1. Place O-Ring into rectangular slot on 05-08-01
2. Align threaded holes on base of 05-08-03 to larger holes towards outside of 05-08-01
3. Set two of piece 98164A457 through the larger holes on 05-08-01 and screw them into the threaded holes of 05-08-03
4. Set 05-08-02B on top of 05-08-03 with threaded holes of 05-08-02B aligned with corresponding holes on 05-08-03, resting an O-Ring into the slot such that it hugs the perimeter of the slot around all the pressure tap holes
5. Through rectangular hole on 05-08-01, insert six of piece 98164A457 through the six outer holes of 05-08-03 and screw into threaded holes of 05-08-02B

For first assembly:

Through rectangular hole of 05-08-01, press one 8967KB6 piece into each of the eleven the holes exposed on bottom of 05-08-03 until they can't go further into 05-08-02B, using epoxy to hold the tubes in place

5	11	8967K86	Purchased Tubes - Copper Tube - McMaster Carr
4	8	98164A457	Purchased Screws - UNC 10-24 2A - McMaster Carr
3	1	05-08-03	Aluminum block that connects sample block to base plate
2	1	05-08-02B	Aluminum block for holding samples with pressure taps drilled through it
1	1	05-08-01	Aluminum base plate that mounts test section to Purdue ASL Supersonic Tunnel
ITEM	QTY	PART NUMBER	DESCRIPTION

PARTS LIST			
DRAWN Cristiano Cabrera	2/8/2024	Castillo Lab Group	
CHECKED			
QA			
MFG			
APPROVED		Supersonic Interchangeable Test Section	
		SIZE D	DWG NO Removable_Test_Section_AL-Cabrer
		SCALE 1 : 1	REV