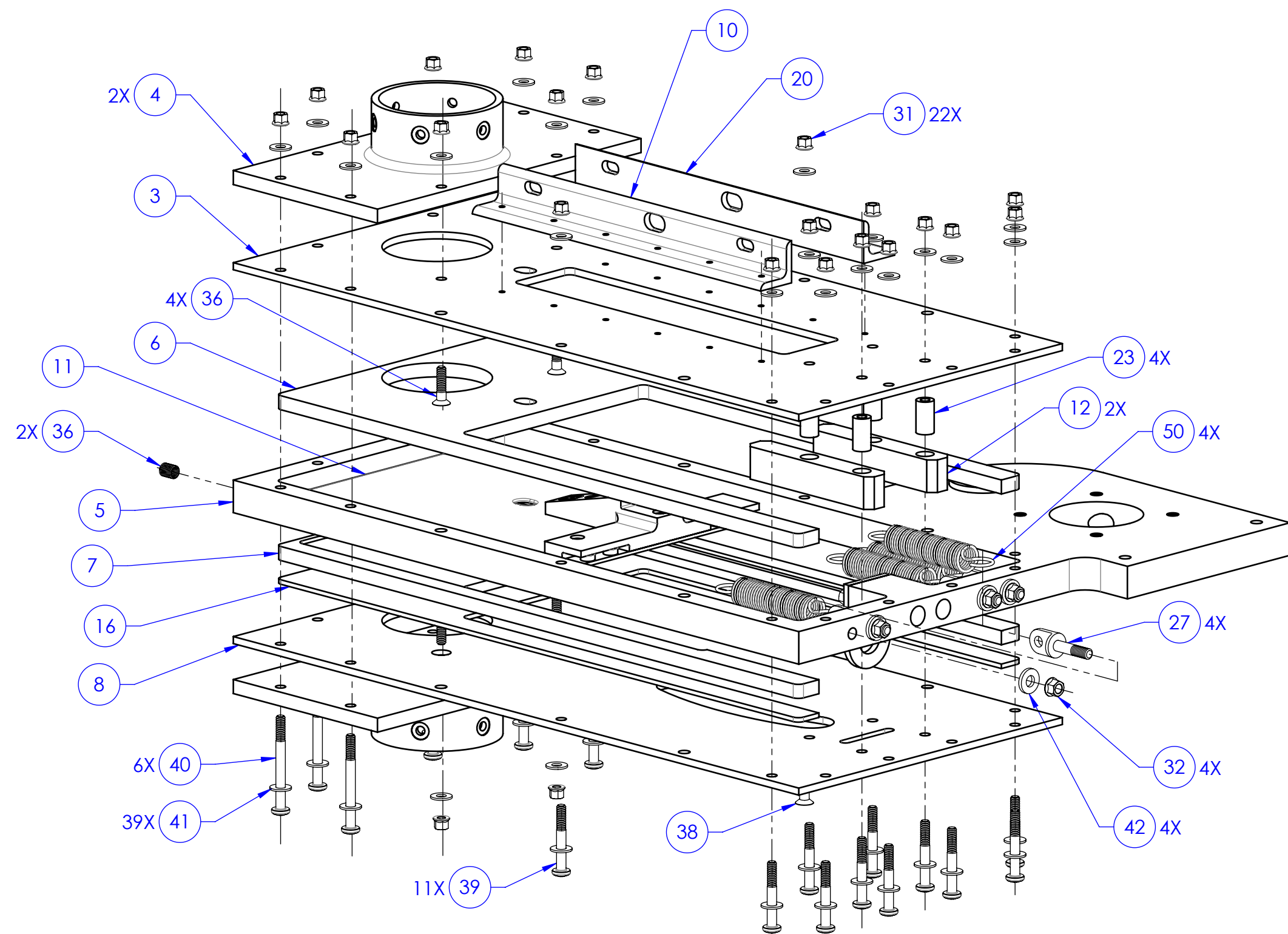




VALVE STACK DETAIL

SCALE = 1:2

RIVET CODE PER NAS 523			
BASIC CODE		DASH NO. FOR DIA N=MFG HEAD NEAR SIDE	
BB = MS20426AD	BASIC CODE	F=MFG HEAD FAR SIDE	
		DASH NO. FOR LENGTH	
	1 ALL RIVETS EQUALLY SPACED BETWEEN END RIVETS UNLESS OTHERWISE SHOWN. QUANTITY AS SHOWN OR NOTED.		
	2 MINIMUM EDGE DISTANCE: UNIVERSAL HD=2X SHANK DIA C/SUNK HD =2.5X SHANK DIA		

NOTES:

- 1) PRC PS-890 OR PR-1440-B2 AN ACCEPTABLE SUBSTITUTE FOR ITEM 55.

BOM CONTINUED SHEET 2					
1	38	MS24694-S14	SCREW, FLUSH HD, #8-32 x 1.09		
4	36	MS24694-S7	SCREW, FLUSH HD, #8-32 x .66		
4	36	MS21209F1-15	INSERT, HELICAL, #10-32x1.5D		0.001
4	35	MS21209C0815	INSERT, HELICAL, #8-32x1.5D		0.025
3	34	MS21209C0810	INSERT, HELICAL, #8-32x1D		0.000
1	33	MS21042L4	NUT, REDUCED HEX, 1/4-28		
6	32	MS21042L3	NUT, REDUCED HEX, #10-32		
22	31	MS21042L08	NUT, REDUCED HEX, #8-32		0.008
12	30	MS20426AD5	RIVET, 100° FL HD, Ø5/32		
12	29	HL70-5	COLLAR, SHEAR, 5/32	HI-LOK	0.001
12	28	HL19PB-5-3	PIN, FLUSH SHEAR HD, Ø5/32x.19	HI-LOK	
4	27	AN42B-6	EYEBOLT, Ø3/16 x .78		
4	26	AN3-5A	BOLT, HEX HD, #10-32 x .66		0.008
	25	—	—		
1	24	102495	INBOARD TUBE ASSEMBLY		
4	23	102429	SPACER, BUMPER BLOCK		0.00
1	22	102428	SWITCH BRACKET		0.01
1	21	102414	TRIGGER ASSEMBLY		
1	20	102413	ANGLE, TRIGGER ATTACH		0.11
1	19	102342	SPACER, TRACK ROLLER		0.00
1	18	102341	SPECIAL FLANGED BEARING	SYMMCO BEARINGS	0.01
1	17	102337	BEARING CLAMP		0.08
1	16	102333	SLIDE SPACER		0.22
1	15	102204	SHAFT, LEVER PIVOT		0.24
1	14	102203	MOTOR ECCENTRIC		0.15
1	13	102202	VALVE RESET LEVER		0.45
2	12	102200	BUMPER		0.03
1	11	102180	VALVE PLATE ASSEMBLY		
1	10	102169	ANGLE, TRIGGER ATTACH		0.112
1	9	102167	OUTBOARD TUBE		0.23
1	8	102158	BOTTOM PLATE		0.99
1	7	102156	BOTTOM SLIDE		0.49
1	6	102154	TOP SLIDE		0.58
1	5	102151	FRAME		1.82
2	4	102146	TUBE FLANGE		0.546
1	3	102145	TOP PLATE		0.92
	2	—	—		
	1	102168	EJECT GATE VALVE ASSEMBLY		3.93
QTY	ITEM	PARTNUMBER	DESCRIPTION	SPECIFICATION	WT

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE INCHES. TOLERANCES ARE: DECIMALS: ANGULAR: DRAWING X ±.01 FORMED ±.02 <i>John B. Bell</i> X ±.013 MACHINED ±.5 4/21/2011 XXX ±0.010 FINISHER	SIGNATURES	DATE
MACHINED SURFACE #1 FINISH: (OR BETTER) ✓	SJR	12/9/2011
DO NOT SCALE DRAWING	CHECKED MTL	5/11/12
REMOVE BURRS AND BREAK SHARP EDGES	APPROVED MTL	5/11/12
UNLESS SPECIFIED, MATERIAL LEFT TO BE DETERMINED BY	ALC/COUNT KEY	

		NATIONAL CENTER FOR ATMOSPHERIC RESEARCH RESEARCH AVIATION FACILITY BROOMFIELD, COLORADO	
		TITLE EJECT GATE VALVE ASSEMBLY	
SIZE D	PART NO. 102168	REV. -	
SCALE 1:2	PROJECT 1201 - NSF GV DROPSONDE SYSTEM	SHEET 1 of 2	

