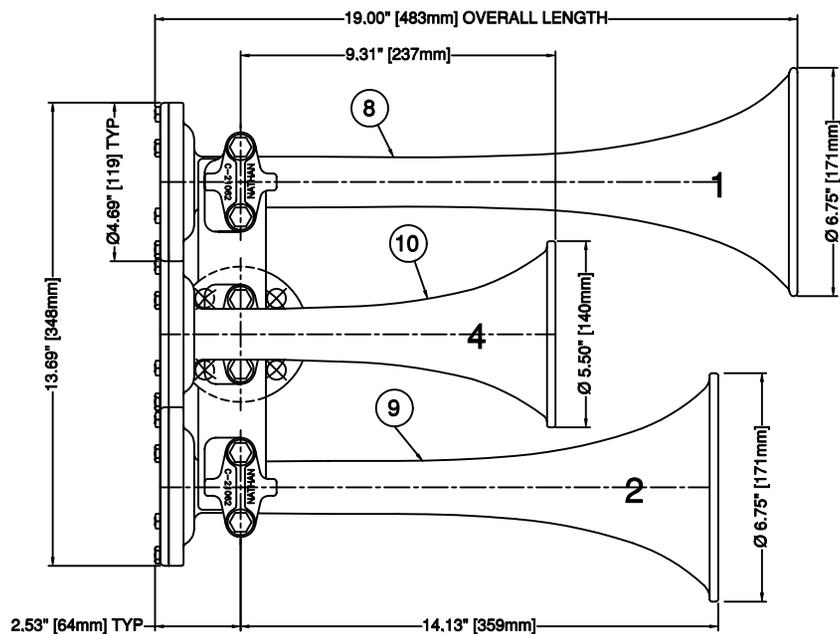


REVISED		DATE	BY
REV	DESCRIPTION		

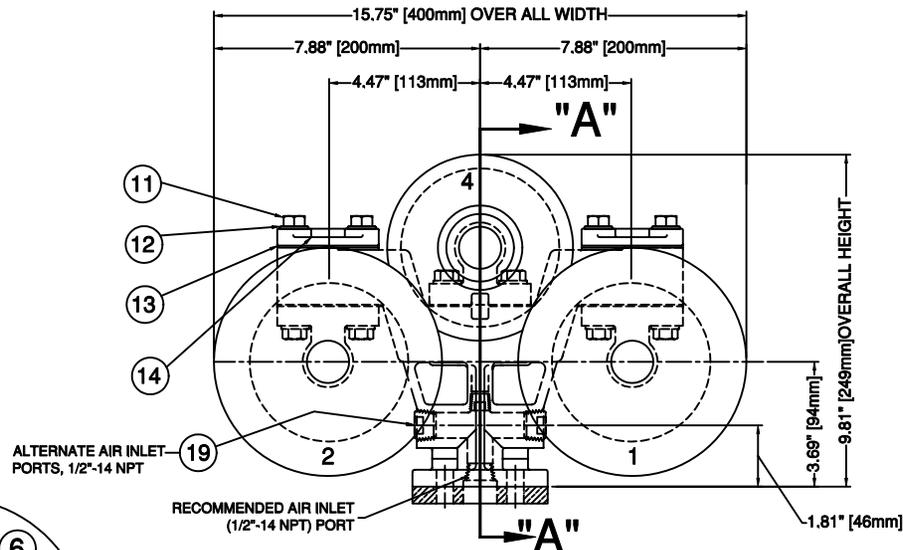
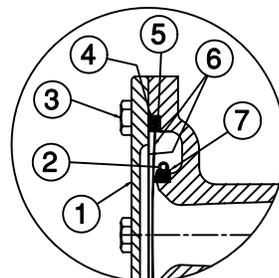
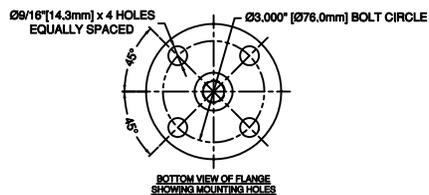
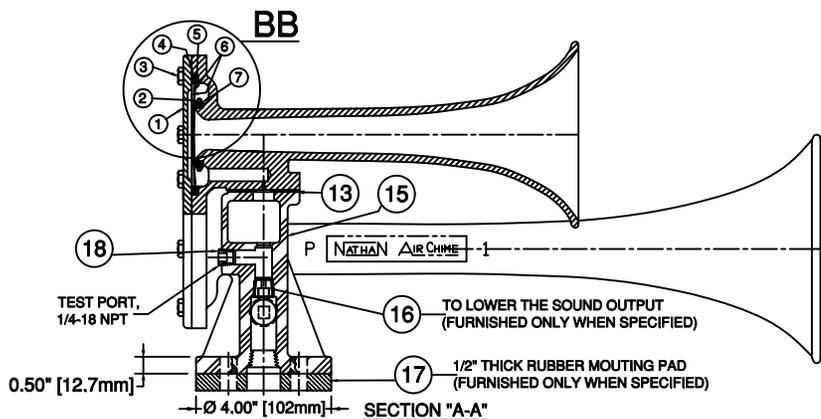


NOTES:

- HORNS FUND. FREQUENCIES AS FOLLOWS:
 BELL #1 "C" SHARP 277 Hz ±4%
 BELL #2 "E" NATURAL 330 Hz ±4%
 BELL #4 "A" NATURAL 440 Hz ±4%
 ALL BELLS ARE REVERSIBLE
- AIR PRESSURE AT THE BASE OF THE WHISTLE FOR MODULATED LOUDNESS TO BE NOT LESS THAN 10 P.S.I. AT TEST PORT WHEN WHISTLE IS BLOWING. (WITHOUT RESTRICTOR)
- ALL OBSTRUCTIONS WHICH MIGHT ACT AS BUFFERS ARE TO BE BELOW A 10° OBSTRUCTION LINE.
- FOR FULL AND MODULATED TONES USE NATHAN AIR WHISTLE VALVE GA-5199.
- THE DISTANCE BETWEEN THE WHISTLE VALVE AND THE WHISTLE SHOULD BE AS SHORT AS POSSIBLE SO AS TO GIVE QUICK RESPONSE TO THE WHISTLE VALVE.
- TO REDUCE THE TRANSMISSION OF VIBRATION TO THE CAB IT IS RECOMMENDED THAT 1/2" THICK RUBBER GASKET BE PLACED BETWEEN THE WHISTLE FLANGE AND THE MOUNTING FLANGE.
- THE FILTER TO BE USED SHOULD BE OF SUFFICIENT CAPACITY TO KEEP THE PRESSURE DROP TO A MINIMUM
- WHEN SERVICING & ASSEMBLING HORNS, IT IS IMPORTANT THAT THE RUBBER DIAPHRAGM SEAT (REF. 7) ASSEMBLED WITH THE BEVELED SIDE OF SEAT IN THE DIRECTION OF THE HORN CAP, ALSO THAT THE THIN RUBBER GASKET (.0625") BE PLACED FIRST AND ON THE SEAT SIDE.

REF	PART No.	DESCRIPTION	MATERIAL	SPECIFICATION	QTY
1	C-21065	HORN DIAPHRAGM CAP	CAST ALUMINUM	UNS A935620	3
2	C-21072	SEAT RETAINER	STAINLESS STEEL	ASTM A313	3
3	10499	HEX HEAD CAP SCREW 1/4-20x3/4"	STAINLESS STEEL	ASTM F593C	18
* 4	C-21068	THICK GASKET 0.125"	BUNA N COMPOUND	ASTM D2000 BF	3
* 5	C-21069	THIN GASKET, 0.0625"	BUNA N COMPOUND	ASTM D2000 BF	3
* 6	C-21070	DIAPHRAGM DISC, 0.008"	STAINLESS STEEL	UNS S30100	6
* 7	C-21067	SEAT (THROAT)	BUNA N COMPOUND	ASTM D2000 BF	3
8	C-21056A	HORN BODY, P-1, 277Hz, "C" Sharp	CAST ALUMINUM	UNS A93562	1
9	C-21057A	HORN BODY, P-2, 330Hz, "E" Natural	CAST ALUMINUM	UNS A93562	1
10	C-21059A	HORN BODY, P-4, 440Hz, "A" Natural	CAST ALUMINUM	UNS A93562	1
11	30119	HEX HEAD CAP SCREW 3/8-16x1.5"	STAINLESS STEEL	ASTM F593C	10
12	30122	LOCK WASHER, 3/8"	STAINLESS STEEL	ASME B18.21	10
13	C-21063	HORN BASE GASKET	CORK NEOPRENE	COMMERCIAL	5
14	C-21062	COVER PLATE	CAST ALUMINUM	UNS A93562	2
15	C-21061A	MANIFOLD, HI PROFILE	CAST ALUMINUM	UNS A93562	1
16	C-21073-5	RESTRICTOR (NOT FURNISHED)	STAINLESS STEEL 301	UNS S30100	1
17	C-21075	MOUNTING PAD (NOT FURNISHED)	NEOPRENE	COMMERCIAL	1
18	C-20966-3	PIPE PLUG, 1/4"NPT	PLATED ALLOY STEEL	COMMERCIAL	1
19	C-20966-5	PIPE PLUG, 1/2"NPT	PLATED ALLOY STEEL	COMMERCIAL	2

* REPAIR KIT FURNISHED AS A PACKAGE DIAPHRAGM ASSEMBLY ONLY, KIT NUMBER WH-SA-61
 REFER TO BULLETIN 587 FOR INSTALLATION AND MAINTENANCE INSTRUCTIONS



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	DRAWN BY: 2.9.7.	DATE (YR-MO-DA) 2008-12-08	MODEL P142A THREE TONE AIR HORN 1B4T2B, HIGH PROFILE CONFIGURATION	
	CHECKER: J.L.	DESIGNED BY: R.C.S.	DRAWING TYPE: ASSEMBLY	DRAWING NUMBER: WH-5403-1A
	FINISH: UNLESS OTHERWISE SPECIFIED	SCALE: NONE	UNIT WT: 7KG [14.5 LBS]	SHEET: 1 OF 1