ACCESSORY GUIDE

| | FLIGHT | FLIGHT 11 60 | SPRINT 180 | SPP | FLIGHT DC | FLIGHT 11 90 | MUF | WHISPER ALL DC | MUFFIN AC DC | GALAX | MAJOR | PATRIOT | BISCUITOC | | IM | WHISPER | | NUFFIN | | P | | CA | | | | | | \ | \ |
|---|---------|--------------|------------|----------|-----------|--|--------------|----------------|--------------|--------------|--------------|--------------|--------------|-----------------|--------|--|----------|------------------|--------------|----------|----------|--|----------|--------------|-----------|-----------------|----------|-----------------|----------|
| | /3 | | | | 1/3 | | | | ≤\ } | ≤\ \$ | غ\د ع | | | | WHISTE | 3/5 | NE STATE | | | PA OR | FEATBIOT | CAH | | 品が見 | 185 E | NBS 100 | 2\g | MB9300 | 3 |
| | | g \ | ප \ | გ∖ | გ∖ ∖ | 8/ | 8 | გ/ | გ∖ ∖გ | გ/ | გ∖ | ე გ/ | న∖ | ద/ | /ب | ֓֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞֞ | :\ څ | Z | ?\ | ¥\ | 의\ | # \ | ۲ | Z | =\ | ટ્ર | ક\ | 3\S | ક∖ |
| FILTERS | PART NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Replacement Filter | 272228 | <u> </u> | | | <u> </u> | L | | | lacksquare | <u> </u> | ┖ | <u> </u> | | | | | | | | _ | _ | <u> </u> | | _ | _ | | • | | |
| Replacement Filter | 272229 | | | | | | | | | L | | <u> </u> | | | | | | | | | L | | | | | | | | Ш |
| Replacement Filter | 272231 | | | | | | | | | | | | | | | | | | | | | | | | | | | Ш | |
| Replacement Filter | 272232 | | | | | | | | | | | | | | | | | | | | | <u> </u> | | | | | | Ш | |
| Filter Assembly | 477712 | | | | | | | L | | | | | | | | • | | | | | | | | | | | | | |
| Filter Assembly | 551590 | | | | | | | <u> </u> | | • | | | | | | • | • | | | | | | | | | | | | |
| Filter Guard Assembly (30 PPI) | 557239 | • | | | | | | | | | | | | | | | | | | | | | Π | | | | | | |
| Filter Guard Assembly (45 PPI) | 557240 | • | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Filter Guard Assembly (30 PPI) | 554141 | | • | • | • | | | | | | | | | | • | | | | | | | | | | | | | | |
| Filter Guard Assembly (45 PPI) | 554142 | | • | • | • | | | | | | | | | П | • | | | | | | | | | | | | | \Box | \Box |
| Filter Guard Assembly (30 PPI) | 557218 | | | | | • | | | | | | | | П | | | | | | | | | | | | П | \Box | | \neg |
| Filter Guard Assembly (45 PPI) | 557219 | T | Γ | | | • | | T | T | Î | | 1 | | | | | | _ | | 1 | 1 | | | | | П | | | コ |
| Filter Guard Assembly (30 PPI) | 554148 | 1 | | | | Ť | • | • | • | • | | | | П | | • | • | • | • | <u> </u> | | \vdash | | | | | | \Box | \dashv |
| Filter Guard Assembly (45 PPI) | 554149 | | | | | | • | | • | | | | | П | | • | • | • | • | | | T | | | | П | | \sqcap | \neg |
| GRILLES & GUARDS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grille (Spiral) | 476015 | | | | | | | | | | | | | | | | | • | | | | | | | | | | | |
| Grille (Expanded Metal) | 477727 | | - | | t | | | \vdash | | | t | | | | | ŏ | | • | | <u> </u> | | \vdash | - | | - | | | Н | \dashv |
| Grille Assembly | 478031 | 1 | - | | | 1 | - | | | ╁ | | l | | | | Š | | • | | | | | ┼ | | ┢ | H | \vdash | H | \dashv |
| Screen Guard | 550214 | | - | \vdash | ╁ | - | | | • | • | <u> </u> | | _ | | | | | = | | - | ╁ | \vdash | - | | - | \vdash | | \vdash | \dashv |
| FINGER GUARDS | 330214 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finger Guard (Metal) | 476042 | | | Siami | | | | | | | | | | | | | • | | | | | | - | HHH | | | | | |
| Finger Guard (Metal) | 476136 | | | - | | <u> </u> | _ | - | _ | _ | ├ | ļ | - | Н | | _ | | • | _ | | ┢ | ┢ | ┼ | • | | $\vdash\vdash$ | | \vdash | \dashv |
| | 476136 | } | | • | | ├ | <u> </u> | <u> </u> | | 1 | ļ | | | | | | | | - | - | ├ | <u> </u> | ┢ | | ┡ | \vdash | | \vdash | |
| Finger Guard (Metal) | | ├ | - | _ | - | | | <u> </u> | ├ | ⊢ | | | - | | • | | | | ļ | | \vdash | \vdash | | | | $\vdash\vdash$ | _ | $\vdash\vdash$ | \dashv |
| Finger Guard (Metal) | 476323 | - | _ | _ | - | - | _ | - | - | - | | | | Н | | | | | | ├ | <u> </u> | | - | - | | ╁╌┤ | - | Н | 4 |
| Finger Guard (Metal) Rim Mount | 476646 | | <u> </u> | _ | | - | - | - | - | <u> </u> | <u> </u> | <u> </u> | _ | Н | | | | | | _ | <u> </u> | 9 | - | | | H | - | Н | |
| Finger Guard (Metal) Panel Mount | 476651 | - | - | <u> </u> | - | - | _ | _ | ļ | ₩ | <u> </u> | _ | _ | | | | | _ | _ | | ļ | | ļ., | | | | ļ | \vdash | \dashv |
| Finger Guard (Metal) | 477626 | - | | <u> </u> | <u> </u> | - | <u> </u> | ļ | | - | <u> </u> | | | | | | | | | | <u> </u> | _ | <u> </u> | - | | \sqcup | <u> </u> | $\vdash \vdash$ | \dashv |
| Finger Guard (Metal) | 550272 | ļ | _ | <u> </u> | <u> </u> | ļ | | <u> </u> | <u> </u> | L | | • | | ļ | | _ | _ | | <u> </u> | • | <u> </u> | <u> </u> | ļ., | <u> </u> | _ | Ш | <u> </u> | Ш | |
| Finger Guard (Plastic) | 550481 | | Ļ | Ļ | L | | • | • | | • | _ | | | Ш | | • | • | | • | | ļ | <u> </u> | _ | | _ | Ш | <u> </u> | \square | |
| Finger Guard (Plastic) | 550648 | | • | • | • | | | | | | _ | | | | | | | | | <u> </u> | ļ | _ | | _ | _ | | | | |
| Finger Guard (Plastic) | 551147 | Ļ | | | | | | | • | | L | | | | | | | • | | | ļ | | | | | | _ | Ш | |
| Finger Guard (Plastic) | 550651 | | | | L | | | _ | | | | | _ | L | | | | _ | <u></u> | ļ | | | <u> </u> | | | | | Ш | |
| Finger Guard (Metal) | 551199 | | | | <u></u> | | | | <u> </u> | | | | | | | | | | | | • | | | | | | | \sqcup | |
| Finger Guard (Metal) | 552934 | | | | | | • | • | | | | | | | | • | | • | • | | | | | | | | | \square | \Box |
| Finger Guard (Metal) | 554172 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finger Guard (Metal) | 572621 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finger Guard (Metal) | 557216 | | Ī | | | | | | | | | | | | | | | | | | | Π | | | | | | | |
| MOUNTING CLIPS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mounting Clips (Bag of 3) | 476154 | | | | | | | | | | | | | | | | | communication of | | | | • | | | | | | | |
| #6-32 Flush Mounting Clips | 477663 | | | | | | | | | | | • | • | | | • | | • | | • | • | | | | | | | \Box | |
| #6-32 Standoff Mounting Clips | 477670 | | | | T | 1 | | | t | | | • | • | | | | | • | | | • | | T | | | | | \Box | |
| #6-32 Mounting Clips | 550113 | | 1 - | _ | t^- | † | | - | • | • | • | Ť | Ť | П | | _ | | | • | Ť | Ť | | † | | | Н | \vdash | \sqcap | \dashv |
| Mounting Clips (Filter/Grille Assembly) | 271016 | | | | | † – | | | | - | | | | H | | • | | • | | | † · · · | | <u> </u> | | | Н | | П | |
| PLUG & CORD SETS | | | | | | | | | | | | | | | |) | | | | | | | | | | | | | |
| Straight On Plug and Cord | 428023 | | | | | | | | | | ۳ | | | | | 515625 | 271769 | | | | | | | | 10100 | | | 1416 | |
| Right Angle Plug and Cord | 428025 | | ├ | \vdash | \vdash | | | | + | \vdash | | | | ┝┈┤ | | • | • | | | | | - | | • | | \vdash | | \vdash | |
| Straight On Plug and Cord | 550440 | + | \vdash | \vdash | 1 | | | \vdash | 1 | \vdash | | +- | \vdash | Н | ŏ | | - | _ | | | • | \vdash | | • | | \vdash | | \vdash | |
| Polarized Right Angle Plug and Cord | 571064 | 1 | \vdash | - | • | <u> </u> | \vdash | \vdash | | • | | | \vdash | $\vdash \vdash$ | - | | _ | _ | | | | +- | - | | | $\vdash \vdash$ | \vdash | \vdash | - |
| Folanzed hight Angle Plug and Cord | 3/1004 | 1 | L_ | 1 | | L | <u> </u> | <u> </u> | | | | L | L | Ш | | | | L | L | L | | <u>!</u> | | <u> </u> | | Ш | <u> </u> | | |

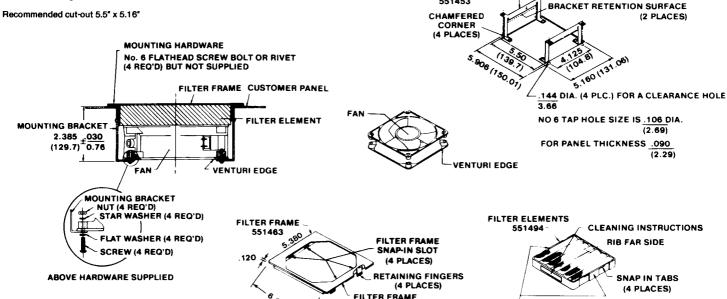
ACCESSORIES

ACCESSORIES

Filter Assembly (Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL) Part No. 551590

78>

Consists of: 551463 Filter Frame 551494 Filter Element 551453 Mounting Brackets



UNDERCUTS

(4 PLACES)

MOUNTING BRACKETS (2)

551453

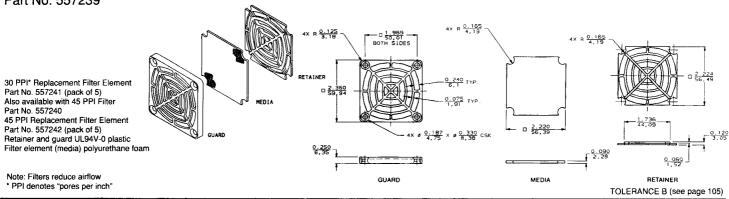
Note: Filters reduce airflow; i.e. a MX2A3's airflow would be reduced to about 87 CFM with P/N 551590 on fan's inlet at 115VAC, 60 Hz.

TOLERANCE: ± .015 (0.38) ON ALL LINEAR DIMENSIONS

SQUEEZE INDICATED SURFACES TO REMOVE

FILTER ELEMENT FROM FILTER FRAME



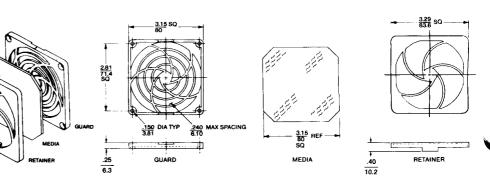


Filter Guard Assembly (Flight 80, Sprint DC, Sprite DC, Sprite) Part No. 554141

30 PPI * Replacement Filter Element Part No. 554139 (Pack of 5) Also available with 45 PPI Filter Part No. 554142 45 PPI Replacement Filter Element Part No. 554140 (Pack of 5) Retainer and guard UL94V-0 plastic Replacement filter element (media) polyurethane foam

Note: Filters reduce airflow; i.e. a ST12A3's airflow would be reduced to about 25 CFM with P/N 554141 on fan's inlet at 12VDC.

*PPI denotes "pores per inch"



Filter Guard Assembly (Flight 90)

Part No. 557218 0 3.625 92.07 30 PPI* Replacement Filter Element 1.629 Part No. 557220 (pack of 5) Also available with 45 PPI Filter Part No. 557219 45 PPI Replacement Filter Ele Part No. 557221 (pack of 5) Retainer and guard UL94V-0 plastic 0.230 5,84 Filter element (media) polyurethane foam

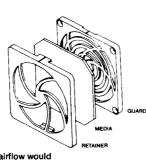
GUARD

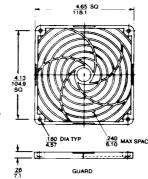
Note: Filters reduce airflow * PPI denotes "pores per inch"

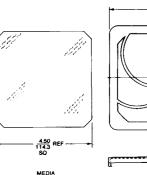
TOLERANCE B (see page 105)

Filter Guard Assembly (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL) Part No. 554148

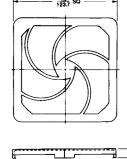
30 PPI * Replacement Filter Element Part No. 554146 (Pack of 5) Also available with 45 PPI Filter Part No. 554149 45 PPI Replacement Filter Element Part No. 554147 (Pack of 5) Retainer and guard UL94V-0 plastic Replacement filter element (media) polyurethane foam







MEDIA

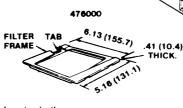


TOLERANCE B (see page 105)

Note: Filters reduce airflow; i.e. a MX2A3's airflow would be reduced to about 75 CFM with P/N 554148 on fan's inlet at 115VAC, 60 Hz. P/N 554149 would reduce airflow to about 68 CFM. *PPI denotes "pores per inch"

Filter Assembly (Whisper, Muffin) Part No. 477712

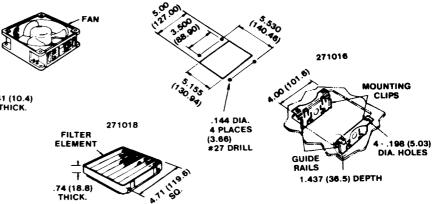
Consists of: 476000 Filter Frame 271018 Washable Filter Element 271016 Mounting Clip (2) Installation Instructions



(3.66) #27 DRILL

Materials: 476000 Black polycarbonate plastic 271018 Black polycarbonate frame with crimped 18 x 14 mesh aluminum wire filter media

Note: Filters reduce airflow; i.e. MX2A3's airflow would be reduced into about 82 CFM with P/N 477712 on fan's inlet at 115VAC, 60 Hz (UP).



TOLERANCE A (see page 105)

Grille Kit (Whisper, Muffin)

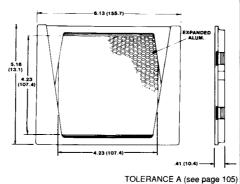
Part No. 478031 Consists of: 476015 Grille (Spiral) 271016 Mounting Clip (2) Installation Instructions

Materials: Grille—High Impact Polycarbonate Plastic Clips—.020 (0.5) Thick Spring Steel, black phosphate finish

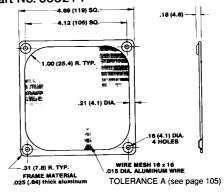
TOLERANCE: ±.015 (0.38) ON ALL LINEAR DIMENSIONS

Metal Grille (Whisper, Muffin) Part No. 477727

Expanded aluminum mesh - snaps onto fan venturi with use of Part No. 271016 mounting clips. (2 REQ'D)

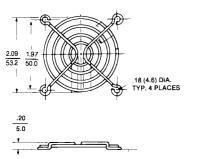


Screen Guard (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL) Part No. 550214



Finger Guard (Flight 60) Part No. 572621

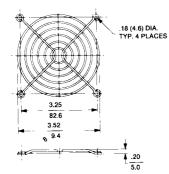
Steel wire, .062 dia., welded and nickel chrome finish meets UL, CSA .250/6.35 spacing



TOLERANCE B (see page 105)

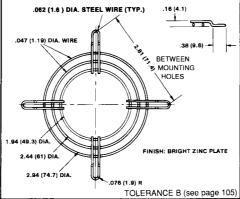
Finger Guard (Flight 90) Part No. 554172

Steel wire, .062 dia., welded and nickel chrome finish Meets UL, CSA .250/6.35 spacing

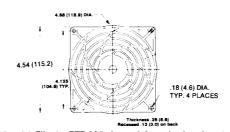


TOLERANCE B (see page 105)

Finger Guard (Flight 80, Sprint DC, Sprite DC, Sprite) Part No. 476143



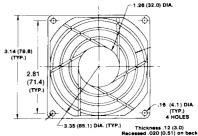
Finger Guard (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL, Skeleton) Part No. 551147 Meets UL, CSA .250/6.35 spacing



Material: Fiberite RTP 305 glass reinforced polycarbonate or GE Valox 420 polyester rated UL94V-0 TOLERANCE A (see page 105)

Sprite DC, Sprite) Part No. 550648 Meets UL, CSA .250/6.35 spacing

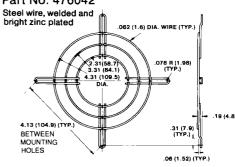
Finger Guard (Flight 80, Sprint DC,



Material: Fiberite RTP 305 glass reinforced polycarbonate or GE Valox 420 polyester rated UL94V-0

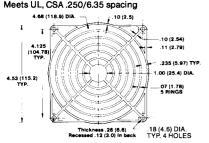
TOLERANCE A (see page 105)

Finger Guard (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL, Skeleton) Part No. 476042



TOLERANCE B (see page 105)

Finger Guard (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL, Muffin, Muffin XL, Skeleton) Part No. 550481



Material: Lexan 500 glass reinforced polycarbonate rated UL94V-0

Color: Black

TOLERANCE A (see page 105)

TOLERANCE A (see page 105)

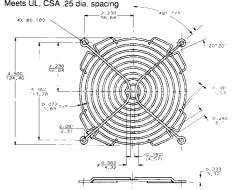
Finger Guard (Flight 120, Muffin DC, Whisper XL DC, Muffin XL DC, Whisper, Whisper XL. Muffin, Muffin XL, Skeleton)



Material: Center Disc: .03 (0.76) THK. C.R.S. Wire Rings: .062 (1.57) DIA. STEEL Supports: .080 (2.03) DIA. STEEL Finish: Bright Zinc Plate with Chromate Treatment

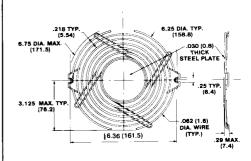
TOLERANCE B (see page 105)

Finger Guard (Galaxy) Part No. 557216 Made of steel wire finished in bright zinc Meets UL, CSA .25 dia. spacing



TOLERANCE B (see page 105) Finger Guard (Major DC, Major)

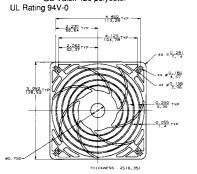
Part No. 550272 Steel wire, welded and bright zinc plated Meets UL, CSA .250/6.35 spacing



TOLERANCE B (see page 105)

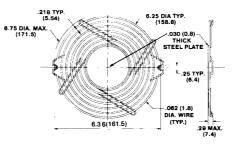
Finger Guard (Galaxy) Part No. 550651

Material: RTP 305 glass reinforced polycarbonate or GE Valox 420 polyester



Finger Guard (Patriot DC, Patriot) Part No. 551199

Steel wire, welded and bright zinc plated. Meets UL, CSA .250/6.35 spacing

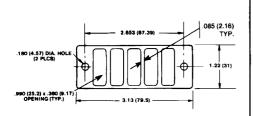


TOLERANCE B (see page 105)

Color: Black

Finger Guard (Biscuit DC, Biscuit) Part No. 477626

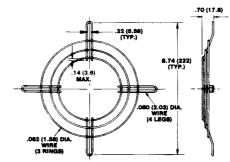
.030 (.76) thick type 302 stainless steel. Screws onto outlet of blower with (2) 8-32 machine screws (not supplied)



TOLERANCE A (see below)

Finger Guard (Tarzan) Part No. 476136

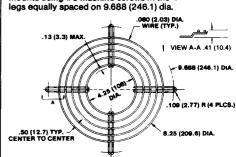
Made of steel wire finished in nickel chrome



TOLERANCE B (see below)

Finger Guard (Caravel)

Part No. 476323 Made of steel wire finished in bright zinc. Mounts using #8 machine screws in the 4

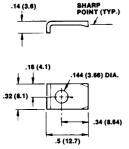


Note: Also available meeting UL .250 spacing. Call factory for specifications on P/N 555985

TOI FRANCE B (see below)

Mounting Clip (Feather) Part No. 476154 (set of 3)

Used with #4 machine screws. Three clips packed in a bag.

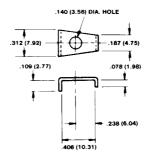


Material: .048(1.24) thick steel, zinc plated

TOLERANCE B (see below)

Guard Mounting Clips (Feather) Part No. 476649

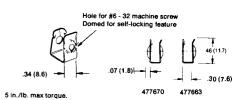
For flush mount of fan onto customer panel, holding flush mount guard no. 476651 to panel. See page 75 for installation details



TOLERANCE B (see below)

Mounting Clips (Major DC, Patriot DC, Whisper, Muffin, Major, Patriot) Part No. 477663 (Flush) 477670 (Standoff)

Fits over .25/6.35 mounting flanges of above fans

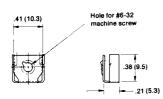


Material: .017 (.43) thick tempered spring steel Finish: Black phosphate with oil dip

TOLERANCE B (see below)

Mounting Clips (Whisper XL DC, Muffin XL DC, Whisper XL, Muffin XL) Part No. 550113

Fits over mounting boss of above fans

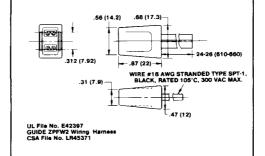


5 in./lb. max torque.

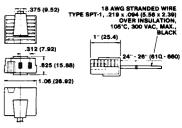
Material: .017 (.43) thick tempered spring steel Finish: Black phosphate with oil dip

TOLERANCE B (see below

Plug & Cord (Sprite DC, Sprite, Whisper XL, Muffin XL, Skeleton, Major, Patriot, Caravel, Tarzan, Biscuit) Part No. 550440



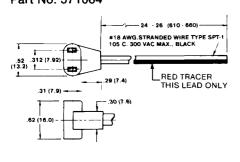
Plug & Cord (Feather) Part No. 428023



UL File No. E42397 Guide ZPFW2 Wiring Harness

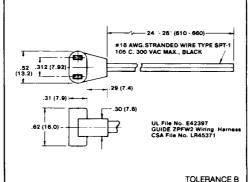
TOLERANCE A (see below)

Plug & Cord (Sprite DC, Galaxy DC, Whisper XL DC, Muffin XL DC) Polarized with red tracer Part No. 571064



TOLERANCE B

Plug & Cord (Sprite DC, Sprite, Whisper Whisper XL, Muffin, Muffin XL, Skeleton Major, Patriot, Caravel, Tarzan, Biscuit) Part No. 428056



TOLERANCE A (see below)

TOLERANCE A: .XX = \pm .03 (0.8) .XXX = \pm .010 (0.25)

.XX = ± .05 (1.3) .XXX = ± .015 (0.38) **TOLERANCE B:**