

FROM WINDSOR MACHINE & STAMPING

Component Review: 1.cmm (V.P.) Validation: Russ Agreanville

Program: 2008 F Family  
 Part Number: BUSA-6661172AD with components BUSA-9661044AD and BUSA-96611E46-CC  
 Part Name: Head Restraint Sub-Assembly (Tube Form with EPP Insert)  
 Prepared by: John Ozolski  
 Date Prepared: August 8, 2006  
 Revision Date: November 16, 2006

Component	Cage Point	Characteristic Type	Nominal Value	Shown as Feature	Tolerance	Comments
Tube Form	1	CC	na	na	na	Material: HSSA, F HSLA STEEL TUBING, ASTM A513 NO hard parameters that will directly affect function, efforts and complex reliance Type O.D.
Tube Form	2	SC	na	na	na	
Tube Form	3	SC	12.75mm	na	±0.10	
Tube Form	4	SC	2.00mm	na	±0.2/-0.1	Tube wall thickness
Tube Form	5	SC	1.02	GO&T detail GEN	±0.20	depth of notches
Tube Form	6	MIC	1.15	GO&T detail D	±0.20	depth of notches
Tube Form	7	SC	1.92	GO&T detail F	±0.20	depth of notches
Tube Form	8	CC	90deg	Detail GEN	±1.0	angle of nose
Tube Form	9	MIC	74.5deg	S.V.	±1.0	angle of notch
Tube Form	10	MIC	150.0mm	F.V.	±1.5	distance between posts (CAL to CAL)
Tube Form	11	SC	CAO	F.V.	1.0/100 micron in	parallelism between posts
Tube Form	12	MIC	CAO	F.V.	3	surface profile of tube form to datum A, B, C - Address Data Only
Tube Form	13	MIC	CAO	GO&T detail GEN	R.5	True position of notches to datum A, B, C
Tube Form	14	SC	CAO	GO&T detail GEN	±0.25	radius at bottom of notches
Tube Form	15	MIC	master SMC00H-aa reference only	na	na	Appearance of chrome. Rc: SMC00H is a spec for chrome plated plastic.
Tube Form	16	MIC	20mil nose	na	na	plating thickness
Tube Form	17	MIC	50 notches	na	na	surface roughness Rz of smoothed surfaces measured perpendicular to broaching direction.
EPP Insert	18	MIC	87.2	GO&T in CAD	±0.20	distance between trenches
EPP Insert	19	SC	48ipm3	na	±15/±3 tight	material density
EPP Insert	20	SC	PP	na	na	Material: EPP foam, WSSA-MQ015-A1 Performance per WSSA-488P/25-A
EPP Insert	21	MIC	0.0mm	na	na	Peak in gapping area 1.5mm thick

Note: EPP insert surface scratches and pitting that are not deeper than a 2x distance in average rough lighting are not acceptable. Roundity permitted to be signed off by Ford Motor Computer & Wireframe Machine

Best Complete Approval & Date	Best Core Approval & Date
D&R Engr: _____	D&R Engr: _____
System Engr: _____	Mfg. Engr: _____
VO Engr: _____	Quality Engr: _____

Supplier Approval & Date

2008 F Family CRT Agreement  
 Adjustable Date Sheets

WMS Quality: \_\_\_\_\_  
 WMS Production: \_\_\_\_\_  
 WMS Sales: \_\_\_\_\_  
 WMS Program Mgt: *Michael B...*  
*John B. D...*





*Michael Lewis*  
 Door Delivery

Approved by: LINDA  
 Corrected Copy when in use

ACCEPTANCE CRITERIA  
 IMAO DIRECTS

May not be the first version listed. Check subsequent copy

Part		Part Name	Part No. / Rev	Part Description	Part Number	Part Name	Part No. / Rev	Part Description	Part Number
18	DC-2	NO BURN SHIELD - Can not catch on eye	ALL	100%	100% inspection	100% inspection	ALL	100%	100%
19	NO-18	NO BURN SHIELD - Can not catch on eye	ALL	100%	100% inspection	100% inspection	ALL	100%	100%
20	NO-15	NO BURN SHIELD - Can not catch on eye	ALL	100%	100% inspection	100% inspection	ALL	100%	100%
21	NO-15	NO BURN SHIELD - Can not catch on eye	ALL	100%	100% inspection	100% inspection	ALL	100%	100%
<p>ARMATURE Preliminary/Prototype Control Plan Number</p> <p>Rev (Orig) 3-10-06                  Date (Print) November 16, 2006</p> <p>Customer Engineering Approval (if req'd)                  Customer Quality Approval (if req'd)</p> <p>Company: EGA, Canyon, Utah                  Key People: Paul Bryan, Keny Clark, Evan Johnson                  EGA: Warren, Andy Pineda                  LMS: LARRY, NORTON, HORN, ALAN, CLARK</p> <p>Supplier Code: 780</p> <p>Part Name / Description: [Redacted]</p> <p>Part Number / Change Level: [Redacted]</p> <p>Part Number: [Redacted]</p> <p>Part Name: [Redacted]</p> <p>Part No. / Rev: [Redacted]</p> <p>Part Description: [Redacted]</p> <p>Part Number: [Redacted]</p>									

MOVE TO FOAM LINE: SEE FOAM LINE APP

EPF Assembly

2) Sort from oil by washing inspection

3) Sort from line by washing inspection

ASME EPF

Appearance

Painting

Seal

Product

Product

Supplier Code

780

Product

Assembly

Painting

Painting

Seal

Product

Product

Supplier Code

780

Product

Must be greater than stated criteria

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

Inspection length - surface number

EPF All Features

ALL

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