TRW Occupant Safety Systems

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IN CASES WHERE VERSIONS ARE SUPPLIED IN 2 CAD DRAWINGS (2D FOR THIS PART, THE INFORMATION OF THIS DRAWING TAKES PRECEDENCE OVER 3D/2D DATA

CRITICAL CHARACTERISTICS MARKS

SIGNIFICANT CHARACTERISTICS MARKS

TOOLING REFERENCE CHARACTERISTICS MARKS

OTHERS CHARACTERISTICS MARKS

MUST COMPLY WITH TRW GENERAL SPECIFICATION FOR SPECIAL CHARACTERISTICS (ISO 16706) PRODUCT LEVEL AND SPECIFICATION

ALL DIMENSIONS APPLY TO THE FINISHED PART INCLUDING SURFACE TREATMENT

ISO

COLOR: PIANO BLACK
MCC MASTER 31379666

EMBOSSED LETTERS
COLOR: ALUMINIUM FINISHED

VIEW 1 1001-1002

AFTER ASSEMBLY THIS PIN SHOULD NOT PASS THROUGH PLASTIC BRIDGE AND/ OR PLANE A.

FINISH: CLEAR COAT

A-A

VIEW 2 201-203

ALL CONTOUR

ISO

FINISH: BRIGHT CHROME
MCC MASTER 31351486

VIEW 3 3001

B-B

VIEW 4

VIEW 5

ISO

C-C

VIEW 6 501

VIEW 7

VIEW 8

CHECK POINTS FOR SURFACE MEASURING:

MEASURING IN REGARDS TO 3D-DATA.
USE SURFACE PERPENDICULAR TO PROCEED.

TOLERANCE

DEVIATION BETWEEN LEFT AND RIGHT CHECKPOINTS LESS THAN 0,3mm.

CONTROLPOINTS			
REF	X	Y	Z
C	5.0	0.0	1.0
D	3.0	32.7	1.0
E	-22.7	0.0	1.0
F	3.0	-22.7	1.0
G	-22.7	0.0	1.0
H	5.0	15.3	3.3
I	3.0	-15.3	3.3

VIEW 9 301-307

VIEW 10 1001-1002

ALL CONTOUR

VIEW 11 1101-1104

E-E
10:1

F-F
10:1

VIEW 12 1201

VIEW 13 1301-1304

Z
10:1

H-H
5:1

VIEW 21 2101

G-G

View 14

AFTER ASSEMBLY, AND ACCORDING PLANE A FLATNESS TOLERANCE, THE FLAT SURFACE OF THE PLASTIC BRIDGE SHOULD NOT SURPASS THE FLAT SURFACE OF THE CHROME RING.

X
10:1

VIEW 15 1501

NOTES:
- FREE FROM CRACKS, SINK MARKS AND BURNS THAN LARGER THAN 0,2MM;
- NOT DIMENSIONED SHAPES ACC. 3D CAD DATA;
- RECYCLED MATERIAL IS FORBIDDEN;
- PARTS HAVE TO BE ADJUSTED TO EACH OTHER AND HAVE TO BE FREE FROM FLOAT, CREAKING AND FREE OF RATTLE NOISE IN ASSEMBLED CONDITION AT TEMPERATURE RANGE -35°C TO +110°C

SPECIFICATIONS:
- PART MUST COMPLY WITH TECHNICAL REQUIREMENTS ACCORDING TO TR31835451 DOCUMENT:
  1-FOLLOWING TESTS ARE TO BE CARRIED OUT ON COMPLET EMBLEM ASSY:
    ID: 411162 VDET_RET42ND NEWVOSS: RESISTANCE TO UV
    ID: 402901 VDET_ENVIRONMENT: INTERIOR EXCISIONS - COMPONENT REQUIREMENT;
    ID: 402902 VDET_RET42ND NEWVOSS: SHORT TERM HEAT;
    ID: 402903 VDET_RET42ND NEWVOSS: LONG TERM HEAT;
    ID: 402901 VDET_RET42ND NEWVOSS: EXTERIOR CLIMATIC CYCLING;
    ID: 412902 VDET_RET42ND NEWVOSS: AGEING IN HUMIDITY AND HIGH TEMPERATURE;
  2-ALUMINIUM PLATE OF SEPARATE VDET COMPLY WITH:
    ID: 421101 VDET_RET42ND NEWVOSS: WEAR RESISTANCE;
    ID: 422101 VDET_RET42ND NEWVOSS: RESISTANCE TO STAIN REMOVER;
    ID: 422105 VDET_RET42ND NEWVOSS: ADHESION FACIT;
    ID: 422902 VDET_RET42ND NEWVOSS: RESISTANCE TO DAILY USAGE CHEMICALS;
    ID: 422902 VDET_RET42ND NEWVOSS: SCRATCH RESISTANCE-PAINTED AND UNPAINTED SURFACES;
    ID: 500101 VDET_RET42ND NEWVOSS: HANDBRAIN RESISTANCE;
  3-EMBLEM ASSY MUST COMPLY WITH FOLLOWING TESTS INCLUDED IN REFERRED TR TO BE DONE ON COMPLETE DVA ASSY:
    ID: 020101VDET_COMBINED LIFE CYCLE AGEING:
      -ID: 021101 VDET_RESISTANCE TO THERMAL AGEING;
      -ID: 024101 VDET_RESISTANCE TO HUMIDITY;
      -ID: 027101 VDET_RET42ND NEWVOSS: RESISTANCE TO CORROSION;
      -ID: 029101 VDET_RESISTANCE TO CLIMATIC CHANGES;
      -ID: 030101 VDET_SERVICE LIFE – MECHANICAL VIBRATIONS;
- SPECIFICATION FOR TESTING THE ADHERENCE BETWEEN METAL SHEET AND EMBLEM PLASTIC BRIDGE TO BE DEFINED TOGETHER WITH THE SUPPLIER;
- PART MUST FULFILL TRW STANDARD FOR CONTROL OF PROHIBITED AND RESTRICTED SUBSTANCES. SUPPLIER MUST SEND THE INFORMATION THROUGH IMDS;
- PART MUST FULFILL STATIC MODULE TEST WITH NEW AND AGED PARTS. DEPLOYMENT TEST TO BE DONE BY TRW;
- FUNCTION TEMPERATURE: -35°C TO +110°C WITH RH 95%;
- APPEARANCE OF EMBLEM ASSY ACC. TO VOC MASTER 31413764;

STANDARD	DATE OF ISSUE OR REVISION	TITLE
ISO 8015	2011	GEOMETRICAL PRODUCT SPECIFICATIONS (GPS) - FUNDAMENTALS - CONCEPTS, PRINCIPLES AND RULES
ISO 14405	2010	GEOMETRICAL PRODUCT SPECIFICATION (GPS) - DIMENSIONAL TOLERANCES
ISO 2768 - 1	1989	GENERAL TOLERANCES; TOLERANCES FOR LINEAR AND ANGULAR DIMENSIONS
ISO 2768 - 2	1989	GENERAL TOLERANCES
EN 34158633	2013	TRW EMBOSS ENGINEERING SPECIFICATION ELECTROPLATING
TS 34158690	2013	TRW EMBOSS TEST SPECIFICATION ELECTROPLATING
A_090_3_01_05	2014	STANDARD FOR CONTROL OF PROHIBITED AND RESTRICTED SUBSTANCES
VCS 5752.129	2010	CHROMIUM PLATED TRIM
GM4122745	2010	REMINDER SHEETS
VCS 5001.19	2004	FLAMMABILITY OF INTERIOR MATERIAL
VCS 5036.5	2011	RESTRICTED SUBSTANCES MANAGEMENT STANDARD
TR 31886451	2012	TECHNICAL REGULATION DEPOT AIRBAG

FRONT VIEW
5:1

VIEW 16 1601-1616

Specification 9814

TO BE ADJUSTED BY SUPPLIER TO ACHIEVE DESIRED ASSEMBLY / GAP.

VIEW 18 1901

VIEW 19 1901-1905

SUPPORT PLANE FOR INJECTION AND CHROME PROCESS PIN. AFTER BREAKAGE, PIN SHOULD NOT SURPASS "A" PLANE.

D-D
5:1

VIEW 17 1701-1702

Gaskellveiled 1702

VIEW 20 2001-2007

Gaskellveiled 2007

REV	DESCRIPTION	DATE	BY	CHK
A	INITIAL RELEASE P1 PHASE	2015-02-06	PT	AA
B	CHANGED EMBLEM SHAPE, PLATING, 3D SCOPE TO CONFORM WITH ENGINEERING DRAWING AND 3D DATA. ADDED ATTENTIONS TO ASSEMBLY AND ADJUSTMENT TO INJECTION PRINT. ADDED TOLERANCES FOR DIMENSIONS WITHOUT TOLERANCE. ADDED EMBLEM BRIDGE SCRAP.	2015-05-04	PT	AA
C	CHANGED DRAWING - ADDED SECTION E-E, ADDED DIMENSIONS AND TOLERANCES TO CHROME RING, ADDED ALL NEW VOSS MCC "PIANO BLACK" MATERIALS UPDATED. ADDED NOTE ON SPEC. USED STRUCK THROUGH NOTE ON SPEC. REMOVED ALL NON-USED MATERIALS ON SPEC. ADDED TOLERANCES	2015-05-06	PT	AA
D	CHANGED TOLERANCE ON CHROME RING	2015-05-08	PT	AA

DES. SYSTEM	DESCRIPTION	DRW. ORG. NO.
CATIA V5		

MATERIAL: SEE SHEET

FINISH: COATING

CUSTOMER PLANTS/PN	MODEL/ALL	DESIGNED	P. NUNES	2015-02-06
VOLVO 416A	16 MY416TS_g	REV. ENG.	A. MENDES	2016-09-07
SUPPLY MANUFACT.		ENGINEER	P. ABANAL	2016-10-28
MODEL YEAR		PROJECT	ARAUJETZ A.	
DAP NO.	SHEET(S) OF	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS		
GENERAL TOLERANCE		COPY OR INDUSTRIAL OR COMMERCIAL EXPLOITATION OF THIS DOCUMENT IS FORBIDDEN EXCEPT WITH TRW'S AGREEMENT.		
		DESCRIPTION	EMBLEM ASSY	

TOLERANCING ISO 8015 SIZE ISO 14405

SCALE	DRAWING NO.	REV.
5:1	34213681	C00

DO NOT SCALE PRINT

PRODUCTION DRAWING

SHEET	SIZE
1 OF 1	A2

DRAWN IN TRW CAD SYSTEM

DRD711078