

Part Name <u>Cowl grommet</u>		Cust. Part Number <u>H1BT-14603-BA</u>	
Shown on Drawing No. <u>H1BT-14603-BA</u>		Org. Part Number <u>7075-1844-30</u>	
Engineering Change Level <u>EE00-E-13257078-000</u>		Dated <u>14/10/2016</u>	
Additional Engineering Changes <u>N/A</u>		Dated <u>N/A</u>	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Purchase Order No. <u>N/A</u> Weight (kg) <u>0,0394</u>	
Checking Aid No. <u>N/A</u> Checking Aid Engineering Change Level		Dated <u>N/A</u>	
ORGANIZATION MANUFACTURING INFORMATION		CUSTOMER SUBMITTAL INFORMATION	
YAZAKI EUROPE LTD <u>323047696</u>		Nursan	
Organization Name & Supplier/Vendor Code		Customer Name / Division	
Richard-Byrd-Strasse 4-6a			
Street Address		Buyer/Buyer Code	
Cologne	NRW	D-50829	Germany
City	Region	Postal Code	Country
FORD		FORD	
Application			
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a	
Submitted by IMDS or other customer format:		IMDS	
		IMDS ID: 1208320333 / 1	
Are polymeric parts identified with appropriate ISO marking codes?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a	
REASON FOR SUBMISSION (Check at least one)			
<input type="checkbox"/> Initial submission	<input type="checkbox"/> Change to Optional Construction or Material		
<input type="checkbox"/> Engineering Change(s)	<input type="checkbox"/> Supplier or Material Source Change		
<input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional	<input type="checkbox"/> Change in Part Processing		
<input type="checkbox"/> Correction of Discrepancy	<input type="checkbox"/> Parts produced at Additional Location		
<input type="checkbox"/> Tooling Inactive > than 1 year	<input checked="" type="checkbox"/> Other - please specify below		
Customer Request			
REQUESTED SUBMISSION LEVEL (Check one)			
<input type="checkbox"/> Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.			
<input checked="" type="checkbox"/> Level 2 - Warrant with product samples and limited supporting data submitted to customer.			
<input type="checkbox"/> Level 3 - Warrant with product samples and complete supporting data submitted to customer.			
<input type="checkbox"/> Level 4 - Warrant and other requirements as defined by customer.			
<input type="checkbox"/> Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.			
SUBMISSION RESULTS			
The results for <input checked="" type="checkbox"/> dimensional measurements		<input checked="" type="checkbox"/> material and functional tests	
		<input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package	
These results meet all drawing and specification requirements:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO (If "NO" - Explanation Required)	
Mold / Cavity / Production Process		<u>Tooling number 5913A / 32 / Injection</u>	
DECLARATION			
I affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of --- / 8 hours.			
I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.			
EXPLANATION/COMMENTS:		<u>THIS IS A PURCHASED PART, MANUFACTURED BY HUTCHINSON, DISTRIBUTED BY YAZAKI EUROPE LIMITED</u>	
Is each Customer Tool properly tagged and numbered?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
Organization Authorized Signature		<u>Telmo Oliveira</u> Date <u>21 June 2023</u>	
Print Name	<u>Telmo Oliveira</u>	Phone No.	
Title	<u>QE</u>	FAX No.	
		E-mail	<u>telmo.oliveira@yazaki-europe.com</u>
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
PPAP Warrant Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other			
Customer Signature		Date	
Print Name		Customer Tracking No. (optional)	

RAPORT DIMENSIONAL ȘI DE ÎNCERCĂRI / DIMENSIONAL AND TESTING REPORT

Customer: **Yazaki**
 Client
 Customer Ref: **7075184430**
 Referinta client
 Hutchinson Ref: **B3001267**
 Referinta Hutchinson

Batch no. : **865243**
 Nr. Lot

Dimensiune	1					2				
max	74.7					54.5				
nominal	74.2					54				
minim	73.7					53.5				
amp.	I	II	III	IV	V	I	II	III	IV	V
1	74.14	74.10	74.18	74.13	74.20	54.32	54.25	54.22	54.29	54.30
2	74.46	74.50	74.46	74.46	74.40	54.30	54.22	54.26	54.28	54.33
3	74.30	74.30	74.35	74.28	74.29	54.30	54.36	54.32	54.30	54.38
4	74.30	74.35	74.25	74.32	74.28	54.25	54.30	54.21	54.25	54.30
5	74.42	74.45	74.37	74.42	74.35	54.20	54.16	54.23	54.28	54.22
6	74.28	74.25	74.24	74.30	74.31	54.21	54.16	54.25	54.15	54.21
7	74.39	74.31	74.36	74.32	74.40	54.35	54.31	54.29	54.36	54.24
8	74.10	74.15	74.20	74.05	74.08	54.38	54.32	54.28	54.35	54.40
9	74.50	74.50	74.45	74.40	74.48	54.26	54.20	54.16	54.22	54.29
10	74.30	74.27	74.25	74.28	74.24	54.10	54.00	54.09	54.05	54.12
11	74.39	74.34	74.36	74.35	74.29	54.20	54.28	54.30	54.25	54.21
12	74.35	74.30	74.32	74.36	74.34	54.40	54.42	54.38	54.32	54.37
13	74.30	74.26	74.29	74.24	74.26	54.20	54.29	54.26	54.18	54.15
14	74.37	74.32	74.36	74.39	74.35	53.95	53.86	53.78	53.82	54.40
15	74.49	74.50	74.48	74.44	74.50	53.50	53.56	53.51	53.59	53.64
16	74.35	74.32	74.36	74.49	74.34	54.30	54.22	54.19	54.33	54.24
17	74.55	74.51	74.45	74.49	74.53	54.35	54.40	54.32	54.27	54.35
18	74.20	74.12	74.16	74.22	74.19	54.30	54.37	54.29	54.26	54.33
19	74.50	74.46	74.51	74.48	74.50	54.15	54.02	54.11	54.17	54.04
20	74.25	74.20	74.23	74.28	74.25	54.30	54.33	54.22	54.25	54.19
21	74.30	74.27	74.24	74.27	74.31	54.28	54.35	54.22	54.30	54.33
22	74.20	74.22	74.18	74.15	74.21	54.21	54.15	54.19	54.26	54.20
23	74.30	74.28	74.26	74.31	74.35	54.26	54.30	54.21	54.18	54.28
24	74.40	74.44	74.39	74.35	74.41	54.41	54.45	54.38	54.34	54.40
25	74.35	74.40	74.36	74.33	74.35	54.05	54.10	54.02	53.98	53.94
26	74.28	74.24	74.28	74.30	74.25	54.18	54.11	54.09	54.15	54.20
27	74.50	74.55	74.49	74.45	74.51	54.22	54.27	54.30	54.21	54.18
28	74.40	74.36	74.34	74.39	74.42	54.15	54.00	54.04	54.16	54.09
29	74.44	74.40	74.39	74.48	74.50	54.06	53.99	54.10	53.96	54.02
30	74.30	74.26	74.39	74.32	74.35	54.19	54.11	54.23	54.15	54.20
31	74.10	74.00	74.03	73.98	73.96	54.10	54.01	54.12	54.16	54.05
32	74.20	74.15	74.12	74.10	74.22	54.38	54.30	54.40	54.29	54.41

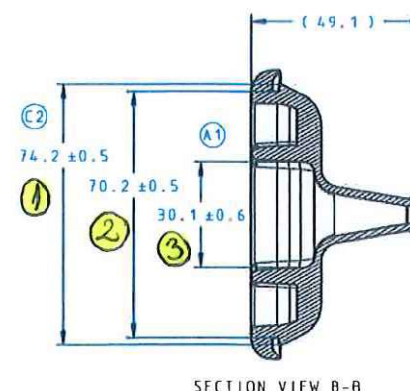
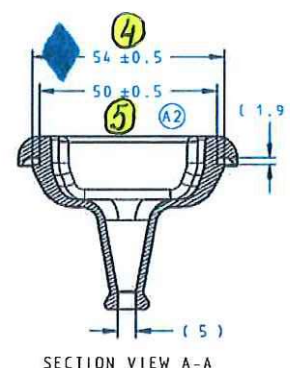
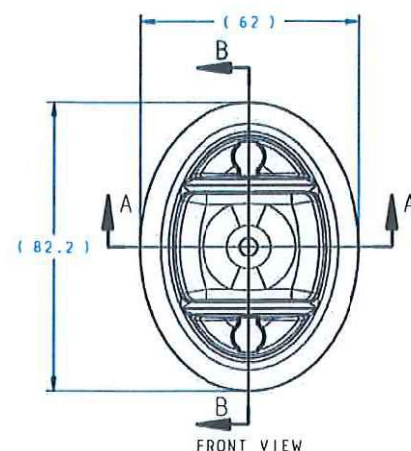
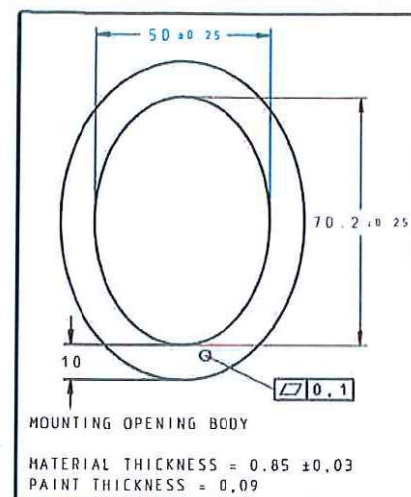
Observatii / Remarks:

Compliance with specification.

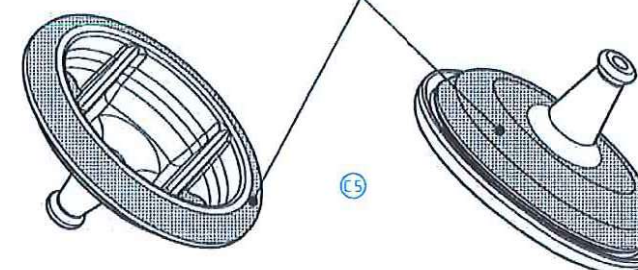
Date	3/2/2023
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Laboratory Validation	
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Results:	CONFORM
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PLANO VALIDO		
Proyecto	1011678	Ind. N6 A02
Ref. Catelsa		Nombre Fdo
Molde	5913.A-32	KA
Fecha	25/11/2016	
Anula y sust. a	1011678_V6_A00	



GENERAL NOTES (A4)

FOR CURRENT RELEASE STATUS, SEE THE WERS ENGINEERING NOTICE

CHANGES TO DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD MOTOR COMPANY PRODUCT ENGINEERING. REFER TO ISO/TS 16949

PART AS RECEIVED AT THE FORD PLANT OR SERVICE PART PACKAGER / WAREHOUSE SHALL BE FREE OF ANY CORROSION ALIGNED WITH THE FORD CUSTOMER SERVICE DIVISION (FCSO) PACKAGING AND SHIPPING GUIDE. CORROSION INHIBITORS OR FOREIGN MATERIALS DETRIMENTAL TO THE INSTALLATION OR FUNCTION OF THE PART MUST BE REMOVABLE BY THE INTENDED CLEANING METHOD

PART TO CONFORM TO WSS-M99P1111-A STANDARD REQUIREMENTS FOR PRODUCTION MATERIALS

ENGINEERING APPROVAL OF PRODUCTION SAMPLES FROM EACH SUPPLIER REQUIRED PRIOR TO AUTHORIZATION OF INITIAL PRODUCTION

DIMENSIONAL DEVIATION ALLOWED, WHERE FIT, FUNCTION AND APPEARANCE ARE NOT AFFECTED

FOR ALL UNSPECIFIED DIMENSIONS PLEASE REFER TO 3D MASTER DATA GENERAL TOLERANCES ACC. DIN 16742-A1310 PAGE 15 T66

UNDEFINED FEATURES TO SUIT SUPPLIER

SOURCES FOR MATERIALS DEFINED BY FORD MATERIAL SPECIFICATIONS SHALL BE SELECTED FROM THE FORD MOTOR COMPANY ENGINEERING MATERIAL APPROVED SOURCE LIST.

INJECTION POINT IS UP TO SUPPLIERS DISCRETION, CONFIRMED WITH YST; EXCEPT FROM TOOLING DIVISION

NOTES (A3)

WIRE BUNDLE DIAMETER MAX: 8mm

WEIGHT: 38,39G

COMPONENT MARKING:
FORD TRADE MARK
PART NUMBER - H1BT-14603-BA
PRODUCTION DATE
SUPPLIER CODE - ECLNF
HUTCHINSON TRADE MARK AND CAVITY NUMBER
MATERIAL ABBREVIATION - >EPDM<

SIZE TO SUIT MANUFACTURER BUT MUST BE CLEARLY VISIBLE

MATERIAL: EPDM ACC. SAE J200 : M3BA 507 A14 B13 C12 Z. (Z: 45 +/-5 SHA)

FLTM 3P 101-01 MAT. EPDM OZONE RESISTANCE
FLTM 3P 153-01 MAT. EPDM MIGRATION STAINING

MATERIAL FEED, FLASH & SURFACE FINISH SHALL NOT ADVERSELY AFFECT FIT & FUNCTION

FOR MATING PANEL DIMENSION SEE DIAGRAM.

PARTS TESTED ACC. TO FORD CETP00.00-E-412
ASSEMBLY FORCES TO WINDSHIELD COWL ACC. SDS43, ED-0020.
2 HAND PULLOPERATION: 75N MAX

RETENTION FORCE ACC. SDS43, ED-0035: 90N MIN
SEALING TEST TO WINDSHIELD COWL ACC. DIN EN 60529/IPX8, 200MM WATER COLUMN, RELAXED WATER 60MIN.

TEMPERATURE RANGE: MIN -40°, MAX 85°
MAX EXPANSION 600%/1H

MATERIAL CODE >EPDM< TO APPEAR ON PART PER ISO 1043-1 AND ISO 1043-2; REFERENCING ISO 11469 (PLASTIC) OR ISO 1629 (RUBBER).

REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP
RELEASED			
EE00 E 13033752 002		20150724	
F.NUNEZ	DJANSE15	AKNOPKE	MVAZAN
DRAWING CORRECTIONS			
A1 ADDED MEASUREMENT			
A2 ADDED MEASUREMENT			
A3 MODIFIED NOTES TEXT			
A4 MODIFIED GENERAL NOTES TEXT			
EE00 E 13094925 000		20151215	
F.NUNEZ	DJANSE15	AKNOPKE	MVAZAN
DRAWING STANDARD CORRECTION ONLY			
EE00 E 13207851 000		20160720	
F.NUNEZ	DJANSE15	AKNOPKE	MVAZAN
DRAWING CORRECTIONS			
C1 DRAWING FORMAT RESIZED TO A1 ISO			
C2 ADJUSTED MEASUREMENT			
C3 RETENTION FORCE ADJUSTED AS CONFIRMED			
C4 NOTE & GENERAL NOTES ADAPTED TO A1 ISO			
C5 ISOMETRIC VIEWS RESIZED TO SCALE 1:1			
EE00 E 13257078 000		20161014	
F.NUNEZ	DJANSE15	OSIMON23	MVAZAN

internal control

REFERENCE		D1-B479-H1BT-14290-DC-3MVF2-001	
PART MUST COMPLY WITH RESTRICTED SUBSTANCE MANAGEMENT STANDARD WSS-M99P9999-A1 TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT	DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS VERSION 28.1	3RD ANGLE PROJ	DIMENSIONS ARE IN MILLIMETERS
CAD TYPE	CAD LOC.	CAD FILE	OTHC
K-CATIA5	TCE	H1BT-14603-B-DWG-01	IS MASTER
OPER. NO.	UNIT	DRAWING	
N/A	N/A	H1BT-14603-BA	
DESIGN	DETAIL	TITLE	SHT 1
F.NUNEZ	F.NUNEZ	GROM WIR	OF 1
CHECKED	SAFETY		N/A
DJANSE15	MFG USE		
SCALE	DATE	DIVISION	ESEE
1:1	20141201	PLANT	N/A
FORD MOTOR COMPANY			

PROTOTYPES	
INITIAL SAMPLES	
PRE-SERIES	

DIMENSIONAL REPORT	
MATERIAL REPORT	X

DATA CLIENT	
PART NAME	B479 COWL GROMMET
DRAWING NUMBER/REV.	
PART NUMBER CLIENT	7075184430
MATERIAL	4EP2310
NORM	ASTM D2000 M3BA 507 A 14 B 13 C12 Z

DATA HUTCHINSON CÁCERES	
PART NAME	B479 COWL GROMMET
PART NUMBER CATELSA	1011678
MATERIAL	EP2310
NUMBER TOOLING CATELSA	
NUMBER OF CAVITIES	
BESOIN CLIENT	

NR	CHARACTERISTICS SPECIFICATIONS		Resu	Ok / Nok
1	Hardness Shore A, 45±5	Pts	45 45 46	OK
2	Tensile strength, >10	MPa	10.8 10.8 11.5	OK
3	Elongation at break, > 500	%	640 649 625	OK
4	Heat resistance at 70h at 100°C			
4-1	Hardness change, max +10	Pts	+3 +2 +3	OK
4-2	Tensile strength change, Max -25	Mpa	-3.5 -4 -3.1	OK
4-3	Elongation at break change, Max -25	%	-21 -20 -18	OK
5	Permanent deformation 22h at 70°C (25%), <25%		13.2 14 15.1	OK
6	Ozone resistance 72h 100ppm 40°C, no cracking		OK	OK
7	Low temperature resistance at 3 min at -55°C, pass		OK	OK
8	Flammability tests, ≤ 100	mm/min	45	

OBSERVATIONS HUTCHINSON:

OBSERVATIONS CLIENT:

<p>HUTCHINSON CÁCERES S.A. POL. IND. LAS CAPELLANÍAS .- APDO. CORREOS 123 TELF. 00 34 927 26 97 16 FAX: 00 34 927 23 03 08 CÁCERES</p> <p>DATE: 17/02/2023</p> <p style="text-align: center;">SIGNATURE:</p>	<p>CLIENT:</p>
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