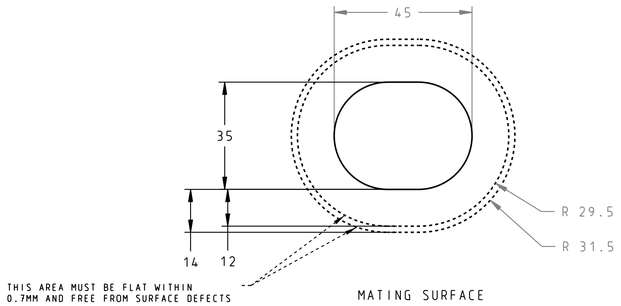
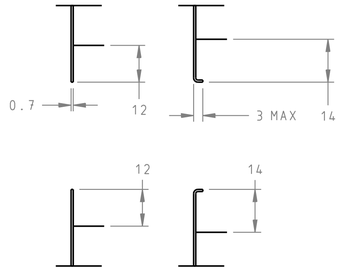
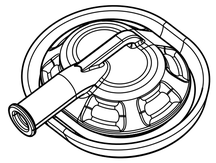


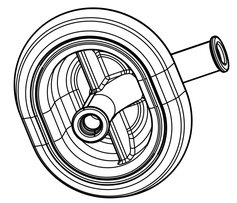
MATING SURFACE

(FLANGED OR NON-FLANGED S/M THICKNESS 0.5 - 3.0 MM)

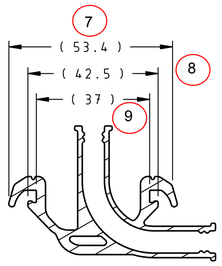


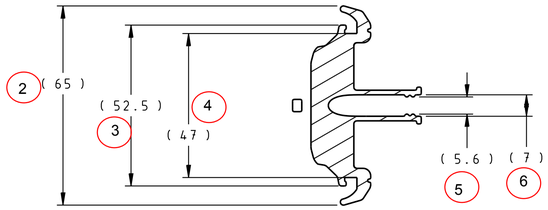


Isometric view
Scale: 1:1



Isometric view
Scale: 1:1





Section view B-B
Scale: 1:1

GENERAL NOTES:

THE LOCATION AND EXTENT OF ALL FABRICATION AND/OR MANUFACTURING CHARACTERISTICS SUCH AS FLASH, MOLD, SPLIT LINES, EJECTOR PIN MARKS, OR OTHER IRREGULARITIES MUST HAVE PRODUCT DESIGN ENGINEERING APPROVAL PRIOR TO START OF TOOLING.

CORROSION PROTECTION FOR SERVICE PARTS MUST COMPLY WITH FORD CUSTOMER SERVICE DIVISION (FCSD) PACKAGING AND SHIPPING GUIDE.

FOR CURRENT RELEASE STATUS, SEE THE WERS RELEASE NOTICE.

CHANGES AFFECTING DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD PRODUCT ENGINEERING. REFER TO QS-9000.

MATERIAL RECYCLING CODE >EPDM< PER SAE J1344 TO APPEAR ON PART.

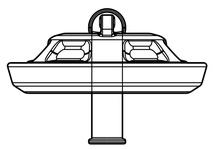
PART BRANDING (TRADEMARK) AND CODING MUST BE IN ACCORDANCE WITH FORD ENGINEERING CAD AND DRAFTING STANDARDS, SECTION E-3. THIS PART/ASSEMBLY MUST COMPLY WITH BRANDING DIRECTIVE E-108 OR THE EXEMPTION NUMBER SHOWN IS THE AUTHORITY FOR NON COMPLIANCE. EXEMPT NO. _____

WRITTEN ENGINEERING APPROVAL OF SAMPLE PARTS IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.

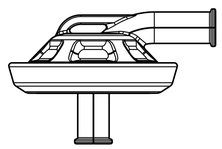
PARTS MUST BE STRESS FREE AFTER MOLDING AND NOT SHOW IMPERFECTIONS SUCH AS DIRT, SINKS, FLOW LINES OR TOOL MARKS ETC. WHICH WOULD AFFECT APPEARANCE, FUNCTION OR SAFE HANDLING.

PART MUST BE FREE OF BURRS AND FLASH WHICH MAY BE DETRIMENTAL TO ASSEMBLY SAFE HANDLING, APPEARANCE OR FUNCTION.

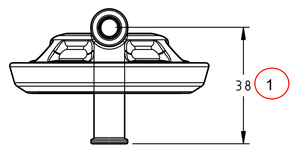
FORD MATERIAL SPECIFICATION / NAME: _____ / _____. SUPPLIER IS TO CERTIFY THEIR RAW MATERIALS TO THIS SPECIFICATION AND RECIEVE APPROVAL FROM FORD'S MATERIAL DEPARTMENT.



Left view
Scale: 1:1



Front view
Scale: 1:1

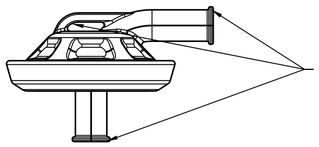


Right view
Scale: 1:1

UNLESS OTHERWISE SPECIFIED GENERAL TOLERANCES WILL BE RUBBER MANUFACTURERS ASSOCIATED DRAWING DESIGNANTION "A3"

SIZE (MILLIMETERS)	FIXED±	CLOSURE±
0 - 10	0.20	0.32
10 - 16	0.25	0.40
16 - 25	0.32	0.50
25 - 40	0.40	0.63
40 - 63	0.50	0.80
63 -100	0.63	1.00
100 -160	0.80	1.25

160 & OVER - TO FIND FIXED NDIMENSIONAL TOLERANCES MULTIPLY BY 0.5%



Front view
Scale: 1:1

FOR TESTING REQUIREMENTS REFER TO DVP&R MY13CD4_1-EDS_DVPR-001

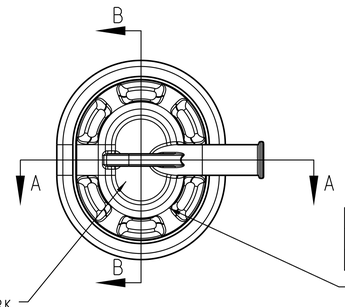
PARTING LINE ALLOWED IN SEAL AREA. MEMBRANE CAN REMAIN INTACT OR BROKEN

PARTING LINE FLASH ON SEAL SURFACES NOT TO EXCEED 1.5 X 0.1 MM

MATERIAL :

EPDM PER SAE J200 M2BA410C 12F 17 Z1 (40 DUROMETER)
Z1: MATERIAL IS TO HAVE BASE POLYMER OF 100% EPDM
COLOR : BLACK

LUBRICANT MAY BE USED TO AID ASSEMBLY
(WATER BASED LUBRICANT, CORN STARCH OR TALC)



Bottom view
Scale: 1:1

QUERY PN	FORD PN	DELPHI PN	SUPLLIER PN	SUPPLIER	DESCRIPTION	DELPHI	WITH EASE OUT 499F
33175212	DU5T-14603-LA	33175212	76692	PARK-OHIO RUBBER GROUP	GROM TAPE ON	N	YES
13894798	DU5T-14603-LA	13894798	74866	PARK-OHIO RUBBER GROUP	GROM TAPE ON	N	NO

TEXTURE SURFACE TO BE COATED WITH "SLIP-COAT" MATERIAL: EASE-OUT 499F WITHTID2 OR EQUIV.
TOTAL COVERAGE IN VALLEYS NOT REQUIRED.
"SLIP-COAT" THT FLAKES OFF DURING HNDLING, PART EXSPANSION OR ASSEMBLY IS ACCEPAL.
"SLIP-COAT" WILL LEAVE A WHITE OR GREY APPEARANCE.Query PN FORD PN Delphi PN Supplier PN Supplier Description Delphi With Ease Out 499F

10 FoMoCo POSITIVE LINE VERSION TRADEMARK
11 FORD PART NUMBER (3.0) HIGH
MATERIAL RECYCLING CODE (3.0) HIGH 12
LOCATED ON SURFACE

VOLUME 18545.0MM
WEIGHT 59g

LTRS	REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP	
RELEASE OF PART FU5T-14603-M				
AELE-E-	20140813			
JWALOWIC	MBAYDOUN	MBAYDOUN	XXX	

REFERENCE			
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		3RD ANGLE PROJ DIMENSIONS ARE IN MILLIMETERS	
CAD TYPE K-CATIA5	CAD LOC. TCe	CAD FILE FU5T-14603-M : 3(A) FU5T-14603-M_DWG : 1(A)	DTMC IS MASTER
OPER. NO.	UNIT U502	DRAWING FU5T-14603-MA	
DESIGN JWALOWIC	DETAIL JWALOWIC	TITLE GROM WIR	SHT 1 OF 1
CHECKED MBAYDOUN	SAFETY		
SCALE 1:1	DATE 20140813	DIVISION PLANT	

FORD MOTOR COMPANY

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