



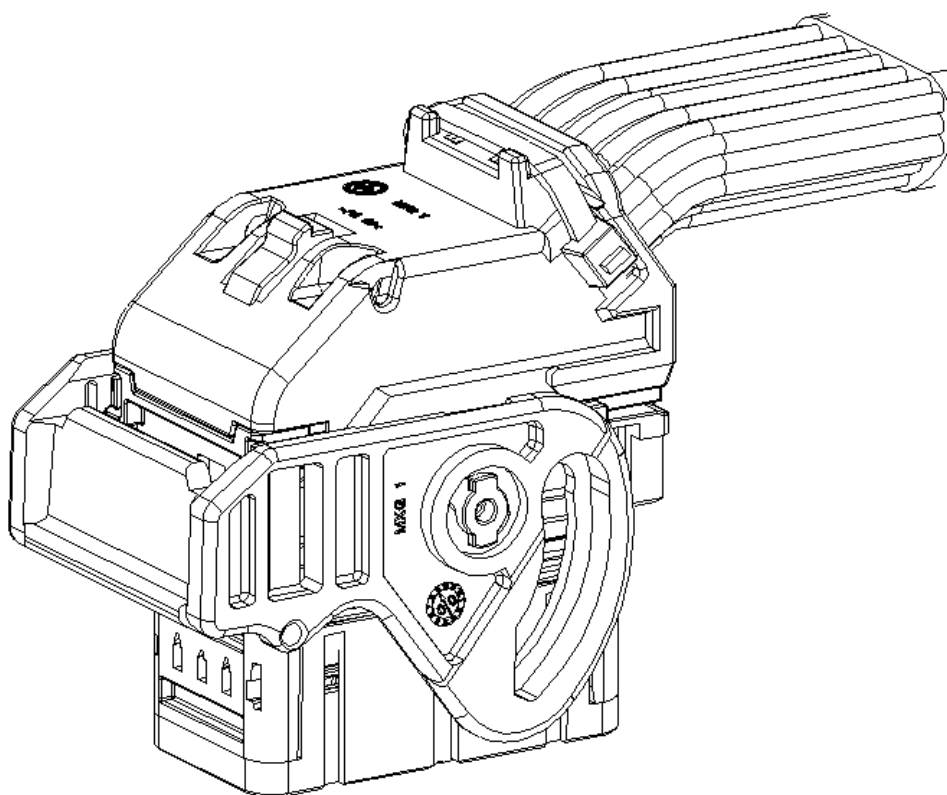
APPLICATION SPECIFICATION

CAHIER DE PRECONISATION

APPLICATION SPECIFICATION

CONNECTIQUE MODULAIRE
POUR CALCULATEUR
32 & 48 VOIES

*MODULAR CONNECTOR
FOR CALCULATOR
32 & 48 WAY*



REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		1 of 35
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005		C. BOUCHAN	P.GOURBIN	L.STICKEIR
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APPLICATION SPECIFICATION

REVISION	MODIFICATION	SHEETS	DATE
A	First Edition	All	2008/02

REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		2 of 35
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005		C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC



APPLICATION SPECIFICATION

SOMMAIRE / SUMMARY

PAGE / PAGE

<u>1- CONSTITUANTS</u> 1-1 Généralités. 1-2 Tableau des références. 1-3 Ensemble 32 et 48 voies.	5 5 6 7	<u>1 - COMPONENTS</u> <i>1-1 Generalities.</i> <i>1-2 References chart.</i> <i>1-3 32 and 48 way connectors.</i>
<u>2- MISE EN OEUVRE DU CONNECTEUR</u> 2-1 Sertissage des clips. 2-2 Recommandations en câblerie. 2-3 Zone de préhension sans capot. 2-4 Dimensions des zones de fixation du connecteur sans capot 32 et 48 voies. 2-5 Plan des porte-clips 32 et 48 voies double verrouillage ouvert pour réalisation interface. 2-6 Montage des clips dans le porte-clips. 2-7 Numérotation des alvéoles pour clip (vue de dessus). 2-8 Fermeture du double verrouillage. 2-9 Montage du capot sur porte-clips. 2-10 Montage du collier de serrage. 2-11 Matrice de chargement des porte-clips assemblés CMC. 2-12 Rubannage / Bridage.	8 8 8 9 10 11 12 14 15 16 17 19 20	<u>2 - CONNECTOR ASSEMBLY PROCESS</u> <i>2-1 Female terminal crimping.</i> <i>2-2 Recommendations in harness maker plant.</i> <i>2-3 Handling area without wire cap.</i> <i>2-4 Fixing area dimensions for female connector without wire cap 32 et 48 way.</i> <i>2-5 Interface drawing of female modules 32 and 48 way secondary locking opened.</i> <i>2-6 Assembly of the clips into female module.</i> <i>2-7 Cavities number for clip (top view).</i> <i>2-8 Locking of the secondary locking.</i> <i>2-9 Wire cap assembly onto female module.</i> <i>2-10 Tie wrap assembly.</i> <i>2-11 Wire loading matrix female module CMC assembled.</i> <i>2-12 Taping / Clamping.</i>
<u>3 - TESTS ELECTRIQUES</u> 3-1 Dimensions des zones de fixation des connecteurs avec capot 32 et 48 voies. 3-2 Test électrique sur porte-clips.	21 21 22	<u>3 - ELECTRICAL TESTS</u> <i>3-1 Fixing area dimensions for female connector with wire cap 32 and 48 way.</i> <i>3-2 Electrical test on female module.</i>

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	3 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC



APPLICATION SPECIFICATION

<u>4- RETOUCHE</u>	23	<u>4 - REWORK OPERATION</u>
4-1 Démontage du capot.	23	4-1 Unmating of wire cap.
4-2 Ouverture du double verrouillage	24	4-2 Opening of secondary locking.
4-3 Démontage des clips 1.5 du porte-clips.	25	4-3 Removal of terminals 1.5 from female module.
4-4 Démontage des clips 0.6 du porte-clips.	26	4-4 Removal of terminals 0.6 from female module.
4-5 Numérotation des alvéoles pour clips (vue de dessus)	27	4-5 Cavities number for terminals (bottom view).
4-6 Définition de l'outil de retouche pour clip CP 1.5	28	4-6 Description of extraction tool for terminal CP 1.5
4-7 Définition de l'outil de retouche pour clip 0.635	29	4-7 Description of extraction tool for terminal 0.635
4-8 Contrôle de continuité sur connecteur équipé.	30	4-8 Continuity check on equipped connector.
<u>5 - MISE EN OEUVRE SUR VEHICULE</u>	32	<u>5 - ASSEMBLY OPERATIONS ON VEHICLE</u>
5-1 Montage du connecteur assemblé dans l'embase	32	5-1 Mating of assembled connector into header
5-2 Démontage du connecteur assemblé de l'embase	33	5-2 Unmating of assembled connector from the header
<u>6 - EMBALLAGE</u>	34	<u>6 - PACKAGING</u>
<u>7 - CONDITIONS DE STOCKAGE</u>	35	<u>7 - STORAGE CONDITIONS</u>

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	4 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC



APPLICATION SPECIFICATION

1- CONSTITUANTS / COMPONENTS

1.1- GENERALITES / GENERALITIES

1 - INTERFACES / LAYOUT :

- Les interfaces sont définies dans : Le plan MOLEX : RSD-98644-005
- *Header layout defined in : Molex drawing : RSD-98644-005*

2 - CONNECTIQUE ASSOCIEE / ASSOCIATED CONTACTS :

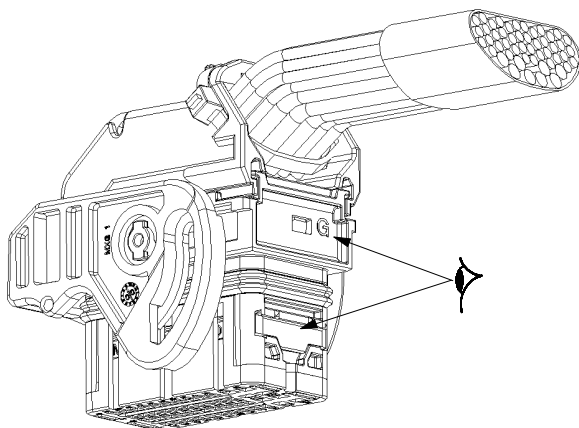
- Clip MOX pour broche de 0.635 x 0.635 mm
- *Female terminal MOX for pin 0.635 x 0.635 mm*
- Clip CP 1.5 pour languettes de 1.5 x 0.80 mm.
- *Female terminal CP 1.5 for tabs 1.5 x 0.80 mm.*

3- ETANCHEITE / SEALING :

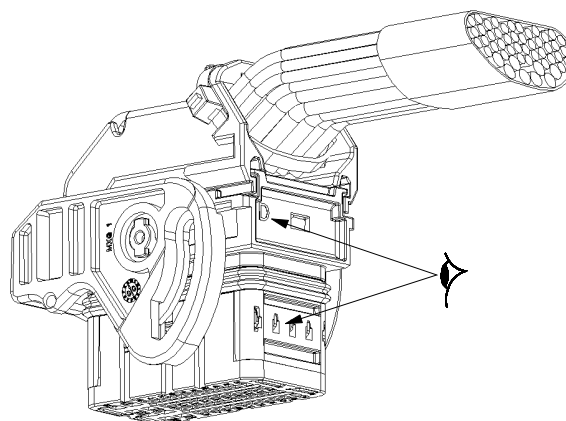
- L'étanchéité du connecteur en face arrière est assurée par un joint gel grommet.
L'utilisation de bouchons et le contrôle d'étanchéité ne sont donc pas nécessaire.
- *Sealing in the back side of the connector is done by a gel grommet seal.
Therefore there is no need of plug and sealing test.*

4 - ORIENTATION DU FAISCEAU DE CABLAGE / WIRE OUTPUT DIRECTION :

- Le porte-clips câblé reçoit un capot qui permet d'orienter le faisceau.
- *The female connector accepts a cover which orientate the wires.*



Sortie gauche (lettre G).
Left side (letter G)



Sortie droite (lettre D).
Right side (letter D)

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	5 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC



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1.2- REFERENCES / PART NUMBER

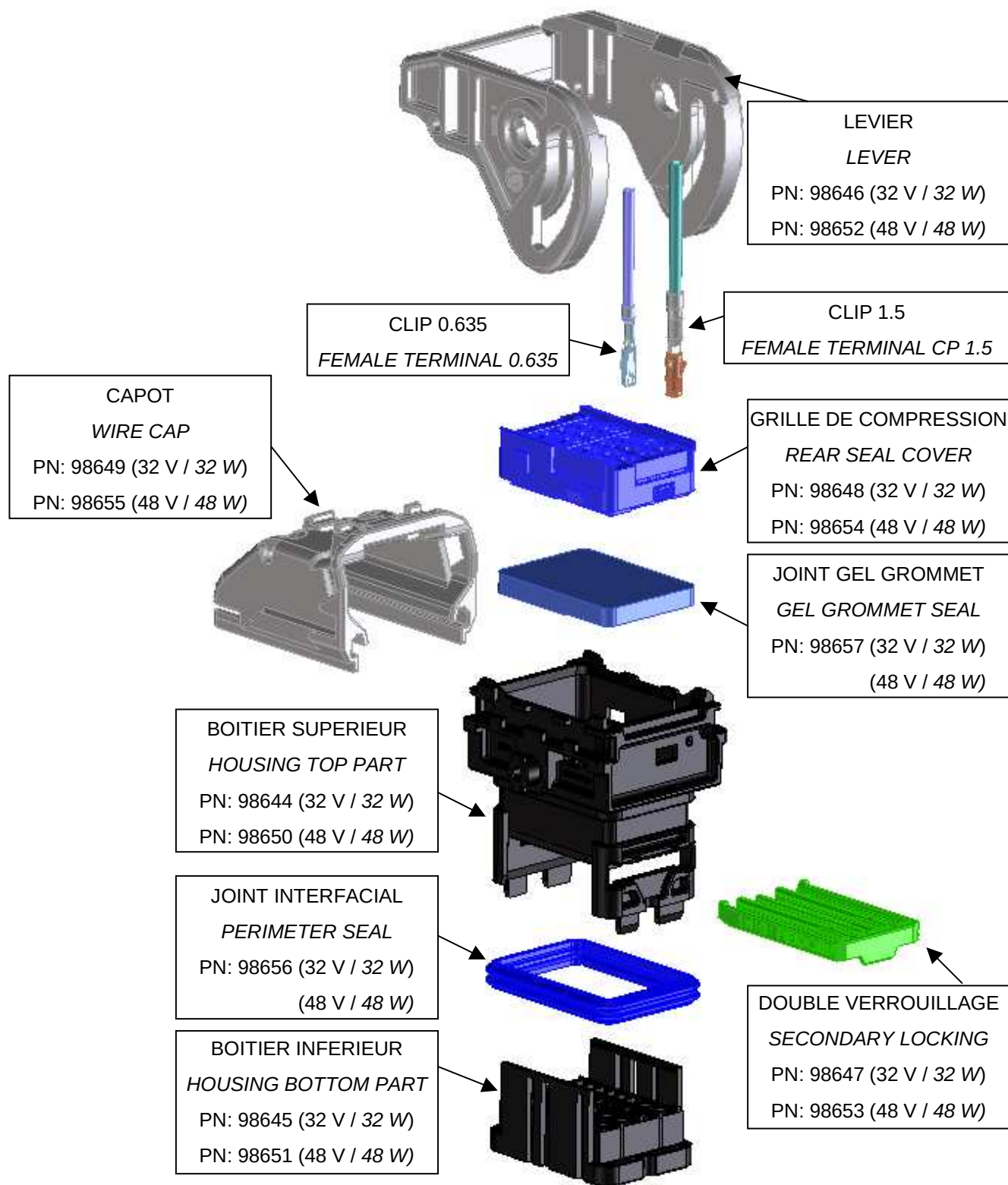
DESCRIPTION DESCRIPTION	Ref. MOLEX MOLEX P/N	COULEUR COLOR
PORTE-CLIPS / FEMALE MODULE		
Porte-clips 32 voies sortie droite <i>Female module 32 way right wire output</i>	0989442001	Noir / Black
	0989442002	Gris / Grey
	0989442003	Marron / Brown
	0989442004	Vert / Green
	0989442005	Bleu / Blue
Porte-clips 32 voies sortie gauche <i>Female module 32 way left wire output</i>	0989443001	Noir / Black
	0989443002	Gris / Grey
	0989443003	Marron / Brown
	0989443004	Vert / Green
	0989443005	Bleu / Blue
Porte-clips 48 voies sortie droite <i>Female module 48 way right wire output</i>	0989502001	Noir / Black
	0989502002	Gris / Grey
	0989502003	Marron / Brown
	0989502004	Vert / Green
	0989502005	Bleu / Blue
Porte-clips 48 voies sortie gauche <i>Female module 48 way left wire output</i>	0989503001	Noir / Black
	0989503002	Gris / Grey
	0989503003	Marron / Brown
	0989503004	Vert / Green
	0989503005	Bleu / Blue
CAPOT / WIRE CAP		
Capot 32 voies <i>Wire cap 32 way</i>	0986491003	Noir / Black
Capot 48 voies <i>Wire cap 48 way</i>	0986551003	Noir / Black
CONTACT FEMALE TERMINAL		
Clip MOX <i>Female terminal MOX</i>	0986581211	
	0986581212	
Clip CP 1.5 <i>Female terminal CP 1.5</i>	0989151029	
	0989151039	

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	6 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

1-3 CONSTITUANTS DES ENSEMBLES 32 & 48 VOIES CMC COMPONENTS FOR 32 & 48 WAY CMC CONNECTOR



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	7 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

2- MISE EN OEUVRE DES CONNECTEURS 2- CONNECTORS ASSEMBLY PROCESS

2-1 SERTISSAGE DES CLIPS / FEMALE TERMINAL CRIMPING

1- CLIP 0.635 :

MOX : Voir plan MOLEX SD-98658-004

- FEMALE TERMINAL 0.635 :

MOX : See MOLEX drawing : SD-98658-004

2- CLIP CP 1.5 :

Voir plan MOLEX : SD-98915-001

- FEMALE TERMINAL CP 1.5

See MOLEX drawing : SD-98915-001

2-2 RECOMMANDATIONS EN CABLERIE 2-2 RECOMMENDATION IN HARNESS MAKER PLANT

- 1- Le process de câblage ne doit pas endommager le joint interboîtier.
- 1- *Cabling process do not damage the interfacial seal.*
- 2- Ne déconditionner les produits que juste avant leur mise en oeuvre (poussière, ...).
- 2- *Unpack the products just before their assembly operation (dust, ...).*

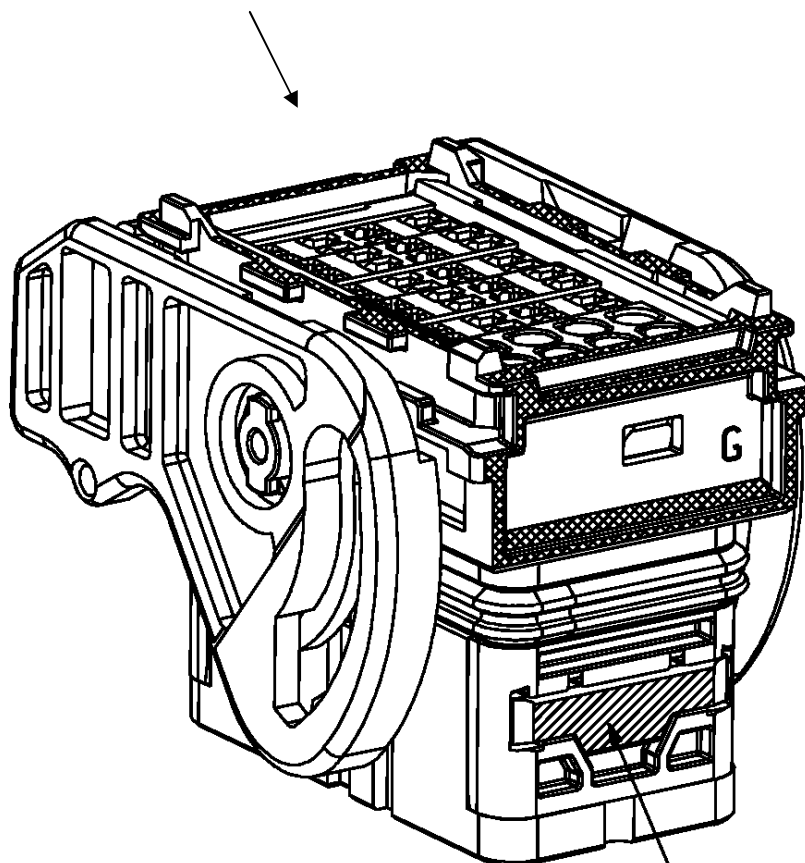
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	8 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC

2.3- ZONES DE PREHENSION SANS CAPOT 2.3- HANDLING AREA WITHOUT WIRE CAP



ZONES DE PREHENSION SANS CAPOT
HANDLING AREA WITHOUT WIRE CAP



Zone de poussée pour fermeture du double verrouillage.
(utiliser la totalité de la surface)
Thrust area for closing of the secondary locking.
(use the total area)



ZONE DE POUSSEE / THRUST AREA

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	9 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



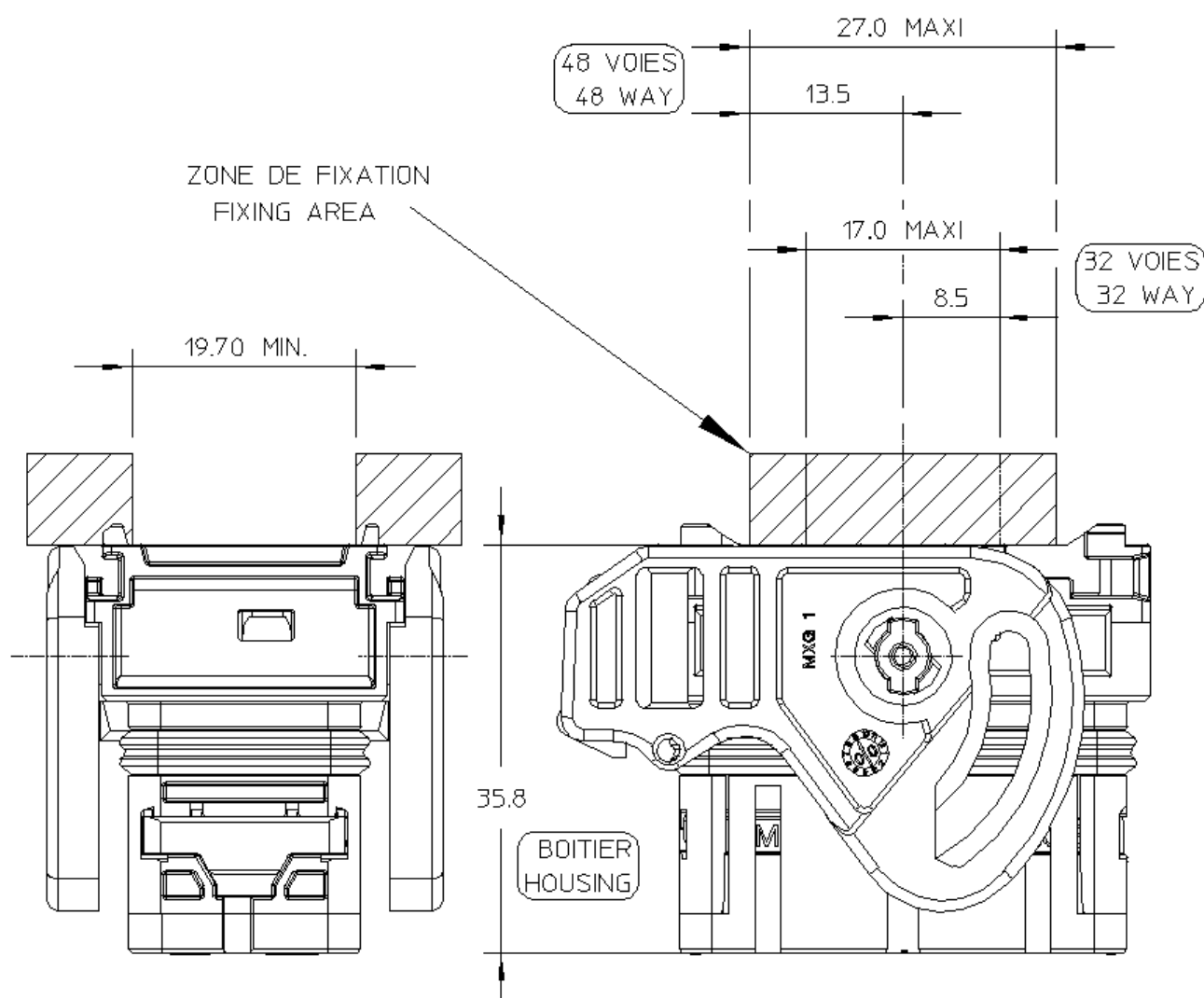
APPLICATION SPECIFICATION

2.4- DIMENSIONS DES ZONES DE FIXATION DU CONNECTEUR SANS CAPOT 32 & 48 VOIES

2.4- FIXING AREA DIMENSIONS FOR FEMALE CONNECTOR WITHOUT WIRE CAP 32 & 48 WAY

Effort de maintien du connecteur dans le montage doit être de 120 N maximum.

Retention force of the connector in the electrical device must be below 120 N maximum.



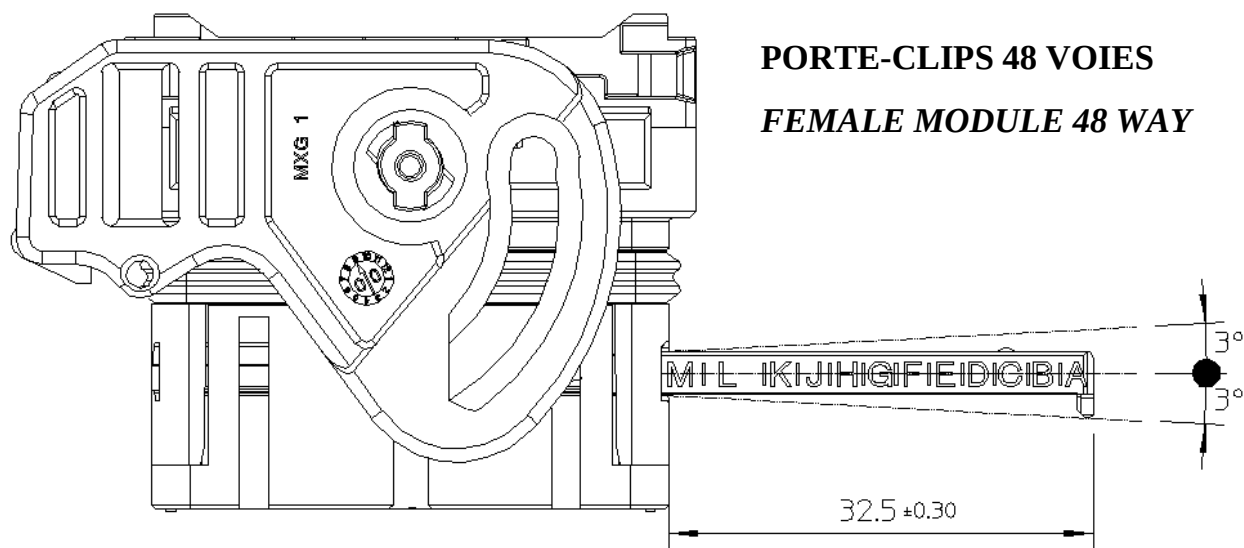
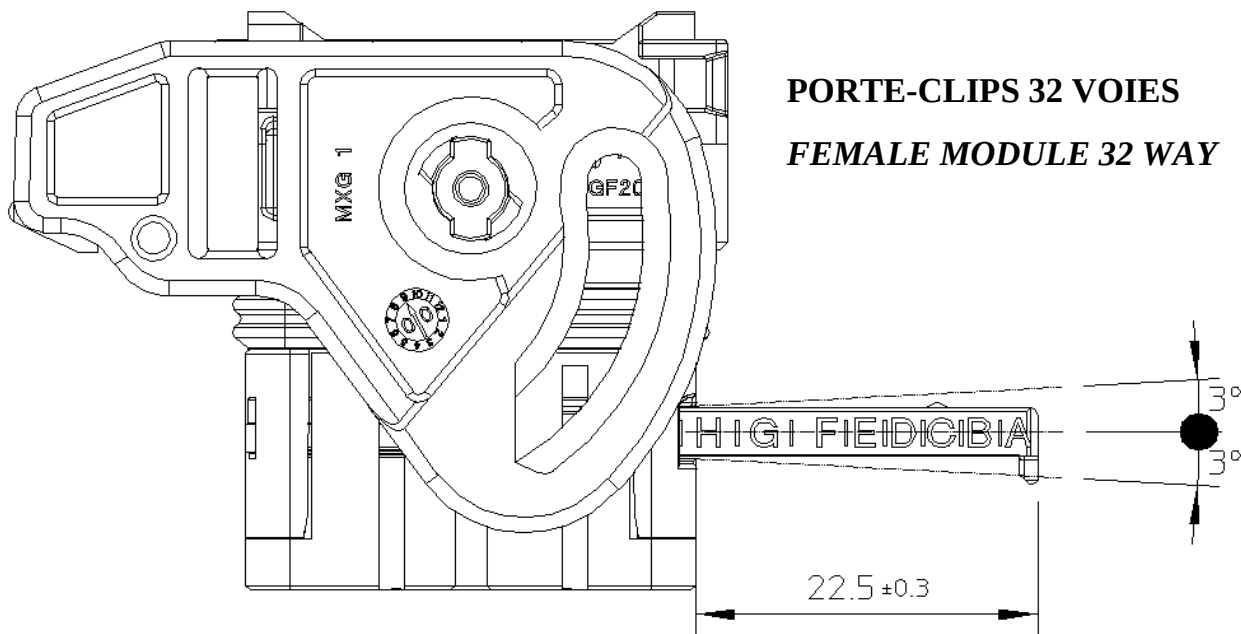
REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		10 of 35
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005		C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

2.5- PLAN DU PORTE-CLIPS 32 ET 48 VOIES AVEC DOUBLE VERROUILLAGE OUVERT POUR REALISATION INTERFACE

2.5- INTERFACE DRAWING OF FEMALE MODULES 32 AND 48 WAY SECONDARY LOCKING OPENED



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	11 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

2.6- MONTAGE DES CLIPS DANS LE PORTE-CLIP 2.6- ASSEMBLY OF THE CLIPS INTO FEMALE MODULE



A. Ouvrir le double verrouillage jusqu'à sa butée (passage d'un point dur) en position totalement ouverte.

A. Pull on the secondary locking to open it (hard point to pass over) its full open position.

Position de livraison

Delivery position

B. Présenter les clips en face des alvéoles correspondantes (voir page 14) en respectant la polarisation (voir vue Z), puis les insérer jusqu'à encliquetage du verrouillage primaire.

- Clips 0.6 : entre les différentes rangées 1, 2, 3 et 4 les clips sont inversés à 180°.

- Clips 1.5 : les clips 1.5 sont polarisés à 180°.

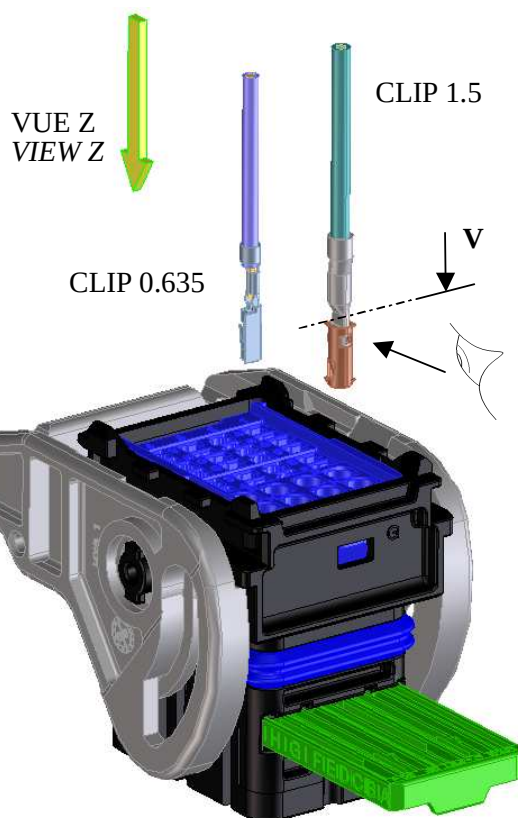
En cas de non verrouillage primaire tourner le contact de 180°

B. Place the female terminals in front of their respective cavities (see sheet 14) tacking into account the polarization (see view Z), and push on the wires till the locking of the primary locking. Make a push- pull to check the locking .

- Female terminals 0.6: between the four rows 1, 2, 3 and 4 the female terminals are reversed at 180°.

- Female terminals 1.5: the female terminals 1.5 are polarized at 180°.

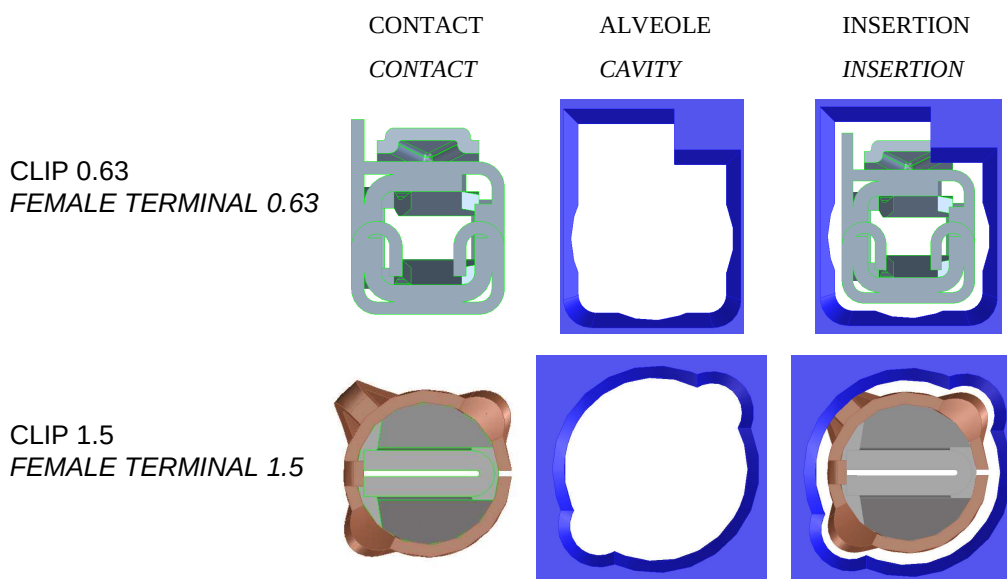
In case of no primary locking turn the terminal to 180°.



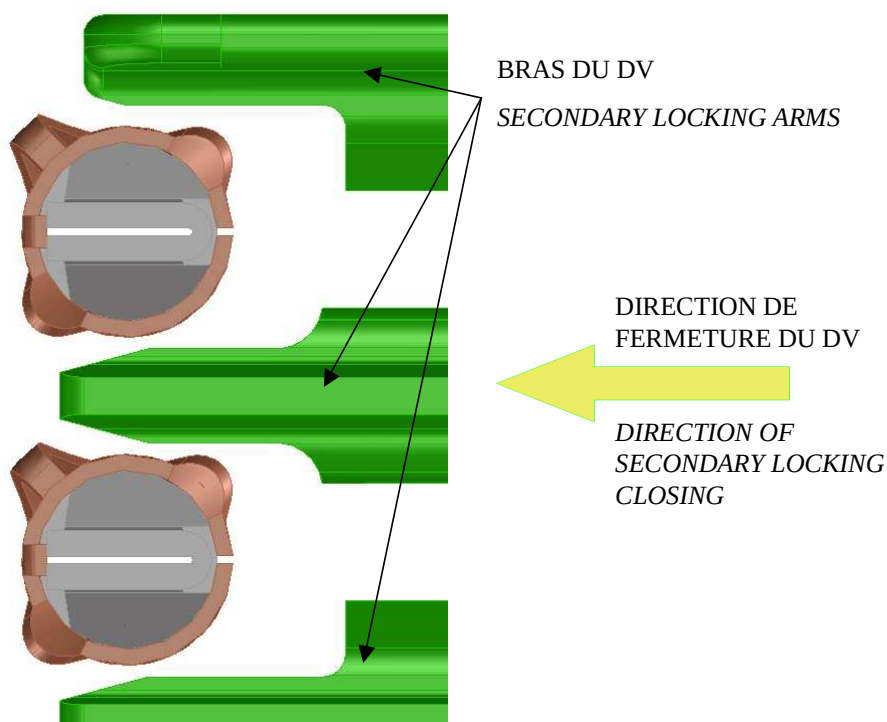
C. Les clips 0.6 et 1.5 pourront subir au maximum 3 extractions et 4 insertions sans endommager l'étanchéité. Dans le cas ou les 8 contacts 1.5 sont sertis sur des fils de section 2.0 mm², 2 extractions et 3 insertions sont autorisées.

C. Female terminals 0.6 and 1.5 can support maximum 3 removals and 4 insertions without sealing Damaging. In case of all 8 terminals crimped on 2.0 mm² wires only 2 removals and 3 insertions are allowed.

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	12 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



DETAIL DE LA POLARISATION DES CONTACTS (VUE Z)
DETAIL OF THE CONTACT POLARIZATION (VIEW Z)



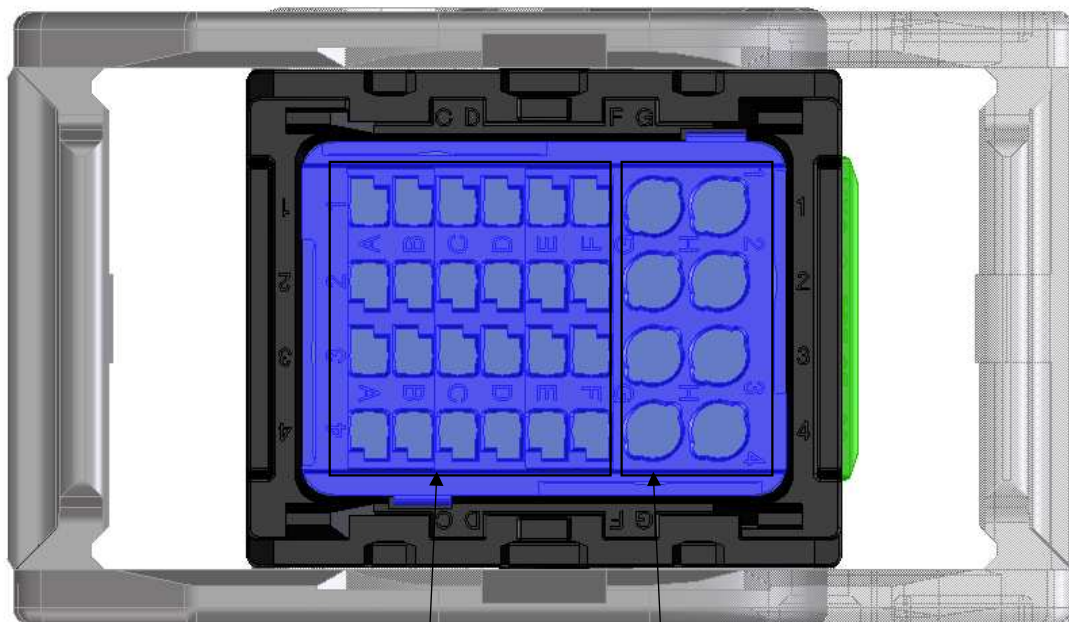
ORIENTATION IDEALE DES CLIPS 1.5 (COUPE V)
AVANT FERMETURE DU DV
PREFERRED ORIENTATION OF CLIPS CP 1.5 (SECTION V)
BEFORE SECONDARY LOCKING CLOSURE

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	13 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

2.7- NUMEROTATION DES AVEOLES POUR CLIP (VUE DE DESSUS)

2.7- CAVITIES NUMBER FOR CLIP (TOP VIEW)

32 VOIES (VERSION SORTIE GAUCHE) / 32 WAY (LEFT WIRE OUTPUT VERSION)



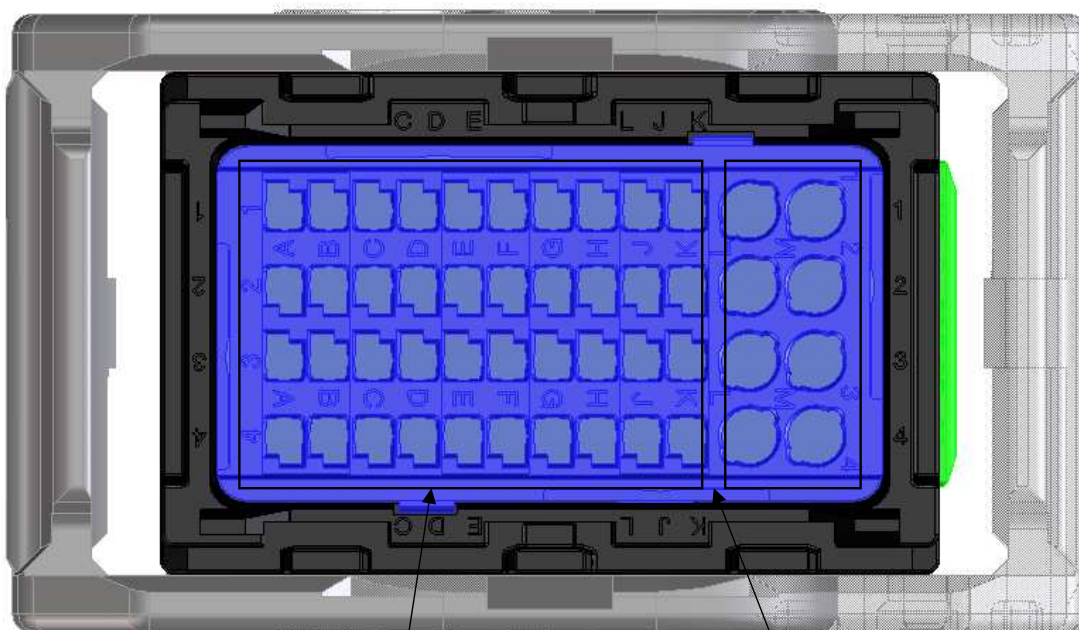
ZONE CLIP 0.635

CLIP 0.635 AREA

ZONE CLIP 1.5

CLIP 1.5 AREA

48 VOIES (VERSION SORTIE GAUCHE) / 48 WAY (LEFT WIRE OUTPUT VERSION)



ZONE CLIP 0.635

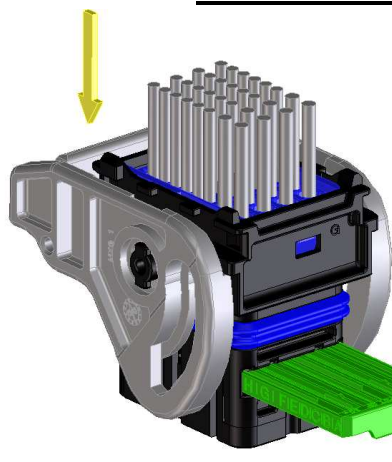
CLIP 0.635 AREA

ZONE CLIP 1.5

CLIP 1.5 AREA

<u>REVISION:</u> A	<u>ECR/ECN INFORMATION:</u> <u>EC No:</u> G2008-0297 <u>DATE:</u> 2008/02/14	<u>TITLE:</u> APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		<u>SHEET No.</u> 14 of 35
<u>DOCUMENT NUMBER:</u> AS-98944-005		<u>CREATED / REVISED BY:</u> C. BOUCHAN	<u>CHECKED BY:</u> P.GOURBIN	<u>APPROVED BY:</u> L.STICKEIR
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC				

2.8- FERMETURE DU DOUBLE VERROUILLAGE 2.8- LOCKING OF THE SECONDARY LOCKING



A- Après insertion de tous les contacts, refermer le double verrouillage jusqu'à encliquetage final (voir zone de poussée page 9)

Effort de fermeture du double verrouillage :

- $F < 40N$ si tous les contacts sont bien insérés.
- $F > 80N$ si un contact est mal inséré (ne pas dépasser $F = 90N$)

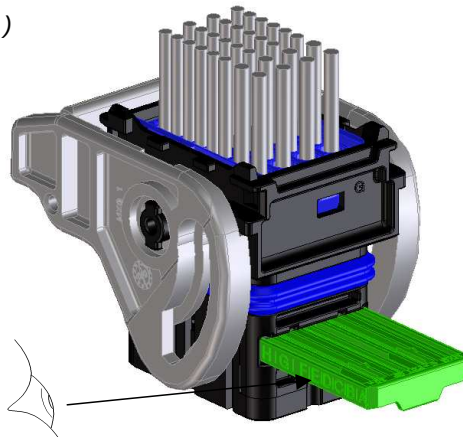
A- After insertion of all female terminals, push on the secondary locking till final locking position. (see thrust area sheet 9)

force to close the secondary locking :

- $F < 40N$ if all terminals are fully in place.
- $F > 80N$ if one terminal is not fully in place (do not push more than $90N$)

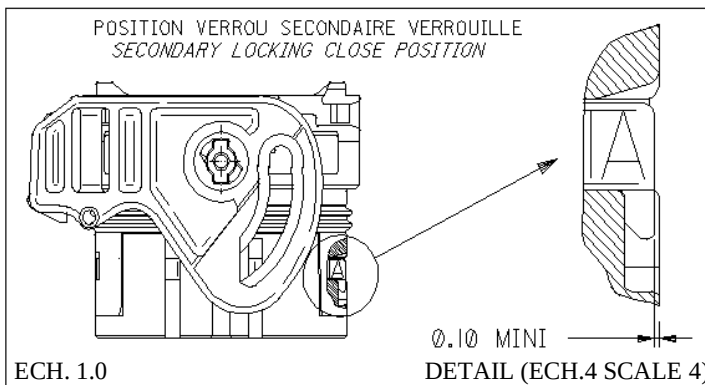
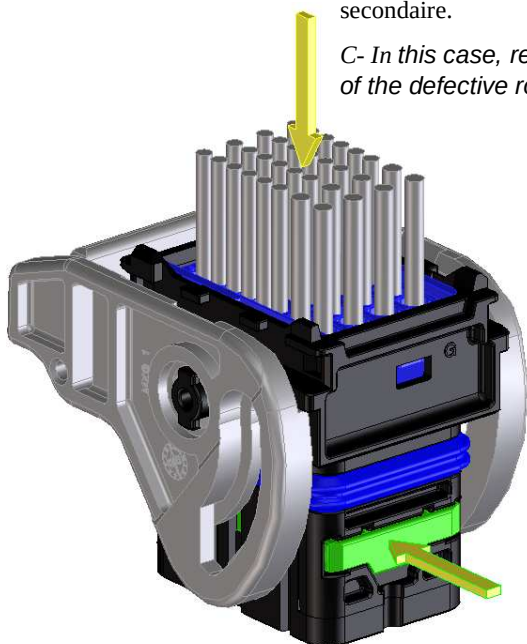
B - Une des fonctions du double verrouillage est de détecter un contact mal encliqueté. Si l'opération de fermeture du verrou secondaire est arrêtée, le marquage (lettre) sur le flanc de celui-ci permet d'identifier la rangée d'alvéoles dans laquelle un des clips est mal inséré.

B - One of the functions of the secondary locking is to detect a terminal not fully in place. If the closing operation is stopped, the letter marking on the side of the secondary locking allows to find the position of the row where one terminal is not fully inserted.



C- Dans ce cas, rouvrir légèrement le double verrouillage, pousser les contacts de la rangée concernée pour encliqueter ces derniers, puis verrouiller le verrou secondaire.

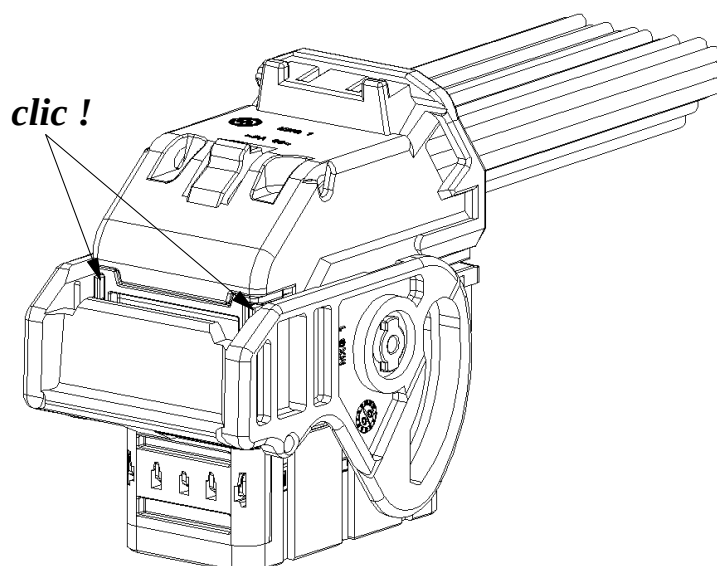
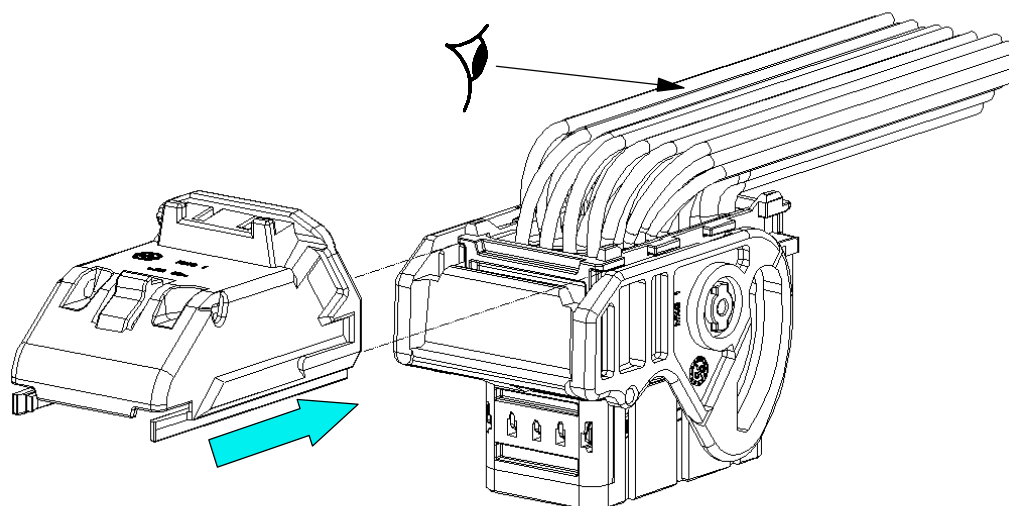
C- In this case, reopen slightly the secondary locking, push on the terminal of the defective row and finish to close the secondary locking.



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	15 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

2.9- MONTAGE DU CAPOT SUR PORTE-CLIPS 2.9- WIRE CAP ASSEMBLY ONTO FEMALE MODULE

- A- Orienter et peigner les fils dans le sens opposé au levier. Faire glisser le capot jusqu'à l'encliquetage des deux languets de verrouillage du capot.
- A- *Orientate and comb the wire in opposite direction to lever. Slide the cover until the locking of the two plastic latches.*



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	16 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

2.10- MONTAGE DU COLLIER DE SERRAGE POUR MAXIMUN DE FILS. POSITION1.

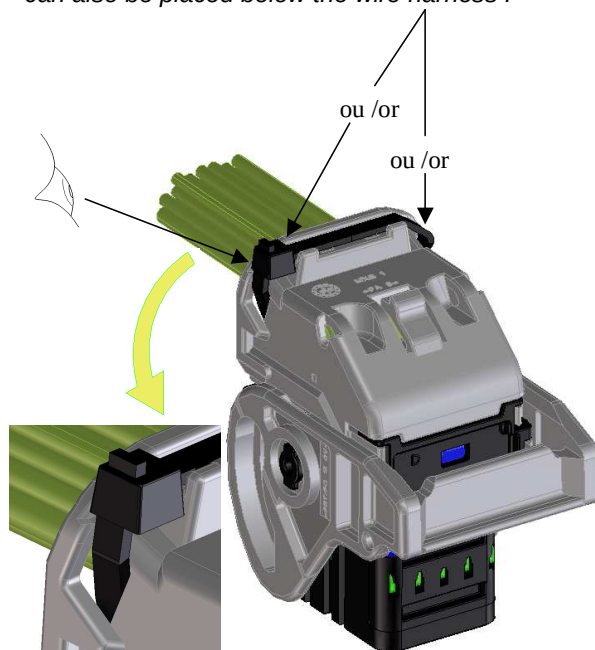
2.10- TIE WRAP ASSEMBLY FOR MAXIMUN WIRES. POSITION 1.

A- Monter impérativement le collier de serrage sur le capot.

A- It is mandatory to use the tie wrap on the cover.

Positionnement de la tête du collier de serrage: La tête du collier de serrage peut être également placée sous le faisceau .

Head of the tie wrap placement : The tie wrap head can also be placed below the wire harness .

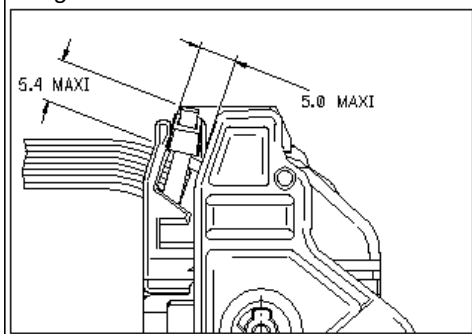


Détail du montage du collier.
Tie wrap assembly detail.

32 VOIES / 32 WAY

Espace disponible pour l'emplacement de la tête du collier de serrage et la languette.

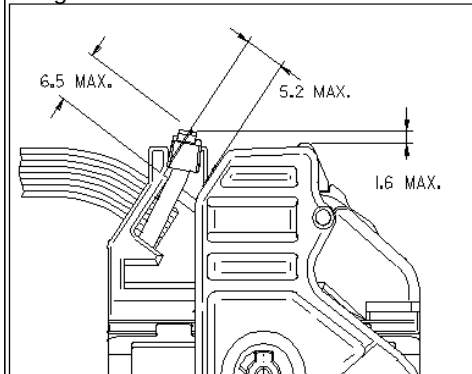
Available space for tie wrap head and tongue.



48 VOIES / 48 WAY

Espace disponible pour l'emplacement de la tête du collier de serrage et la languette.

Available space for tie wrap head and tongue.



Notes:

1 - Le collier de serrage est choisi par le cableur en fonction des dimensions de passage définies sur le plan de contrôle du capot: SD-98649-003 (32 v. / 32 w.) ou SD-98655-003 (48 v. / 48 w.).

1- The tie wrap will be chosen by the harness maker according to the available space on the wire cap mentioned on the drawing: SD-98649-003 (32 v. / 32 w.) SD-98655-003 (48 v. / 48 w.).

2 - L'effort de serrage maximal à appliquer sur le collier doit être défini de façon à ne pas endommager le capot et les fils

2- The maximum tightening to apply on the tie wrap must be defined in a way to not damage the wire cap and the wires

3-Diamètre mini du toron du fil : voir page 19.

3- Minimum diameter of the strand of wires : see sheet 19

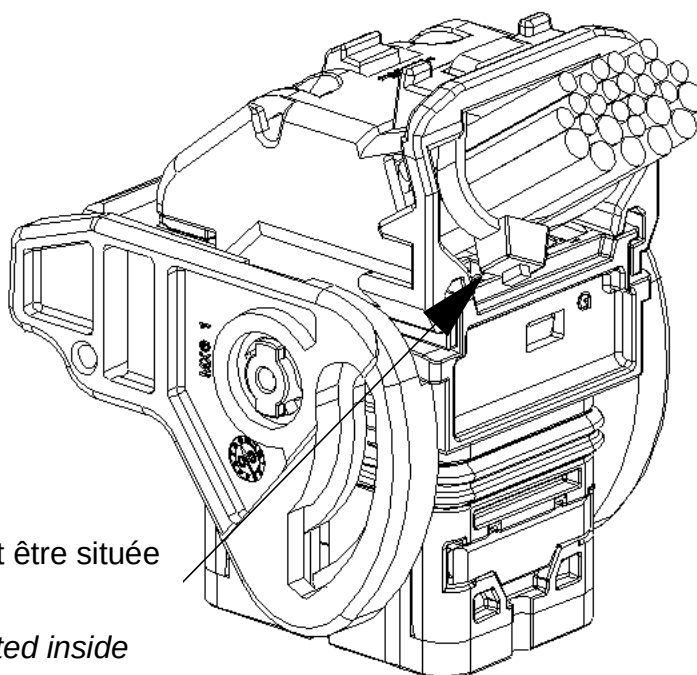
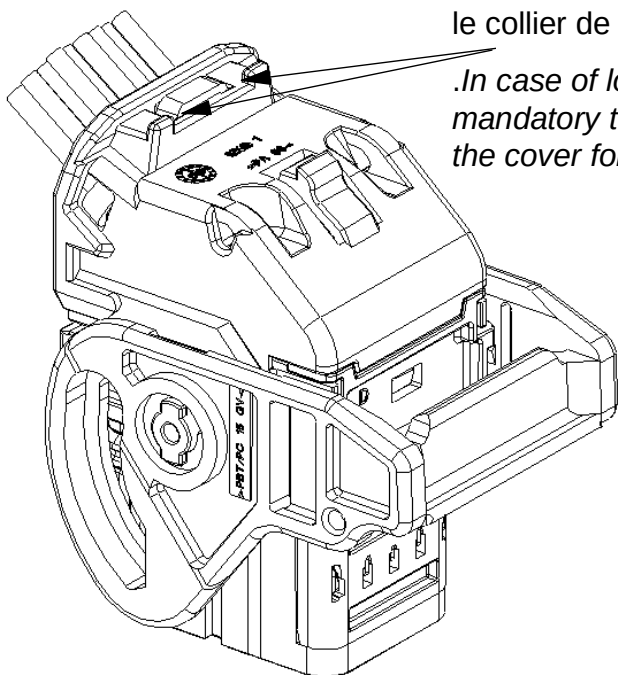
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	17 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

MONTAGE DU COLLIER DE SERRAGE POUR MINIMUM DE FILS, POSITION 2 TIE WRAP ASSEMBLY FOR MINIMUM OF WIRES, POSITION 2

- POSITION 2 (POSITION RECOMMANDEE)
- POSITION 2 (RECOMMENDED POSITION)

Dans le cas d'une faible quantité de fils à serrer il est impératif d'utiliser les 2 cavités situées sur le dessus du capot pour placer le collier de serrage.

.In case of low wires quantity to hold it is mandatory to use the 2 holes on the top of the cover for tie wrap positioning .



La tête du collier de serrage doit être située à l'intérieur du capot.

The tie wrap head must be located inside the wire cap.

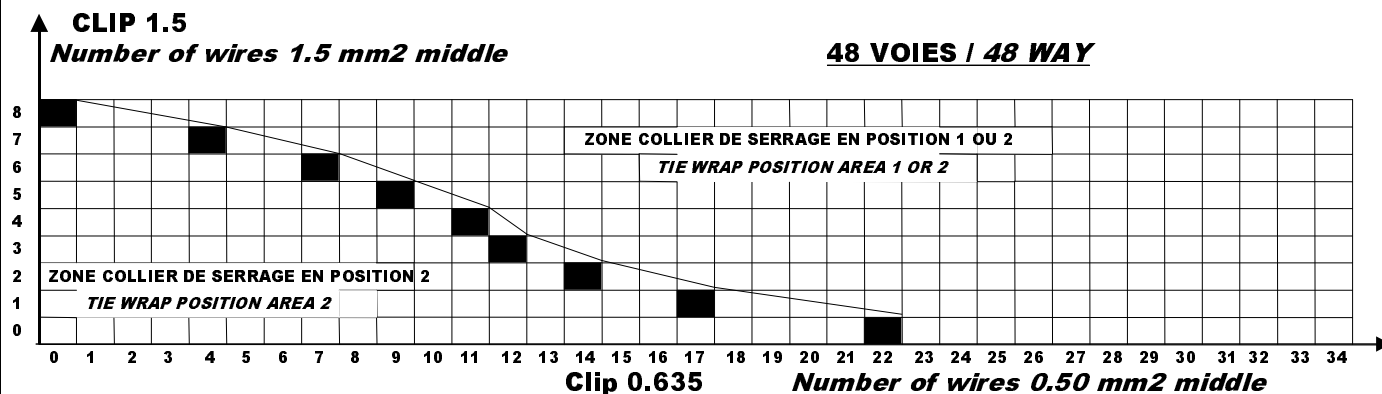
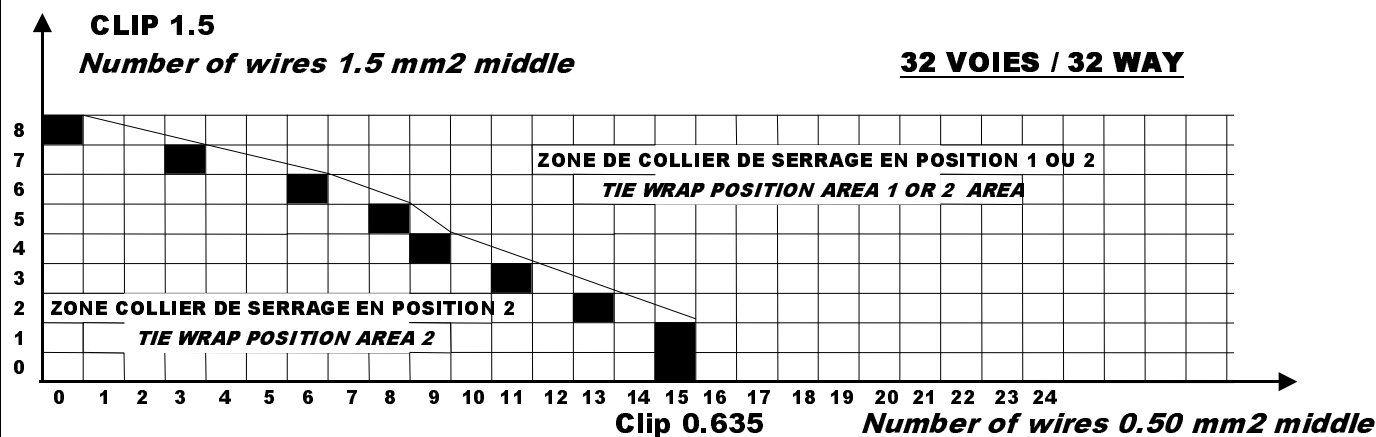
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	18 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC			



APPLICATION SPECIFICATION

2.11- MONTAGE COLLIER DE SERRAGE, MATRICE DE CHARGEMENT DES PORTES CLIPS ASSEMBLES CMC 2.11- TIE WRAP ASSEMBLY, WIRE LOADING MATRIX FEMALE MODULE CMC ASSEMBLED

- ♦ Chargement minimum connecteur :
 - 0.50 mm² (isolant moyen) : 32 voies : 16 fils / 48 voies : 12 fils.
 - 1.50 mm² (isolant moyen) : 32 & 48 voies : 8 fils.
- ♦ Minimum connector load :
 - 0.50 mm² (middle wire insulation): 32 way: 16 wires / 48 way: 12 wires.
 - 1.50 mm² (middle wire insulation): 32 & 48 way: 8 wires



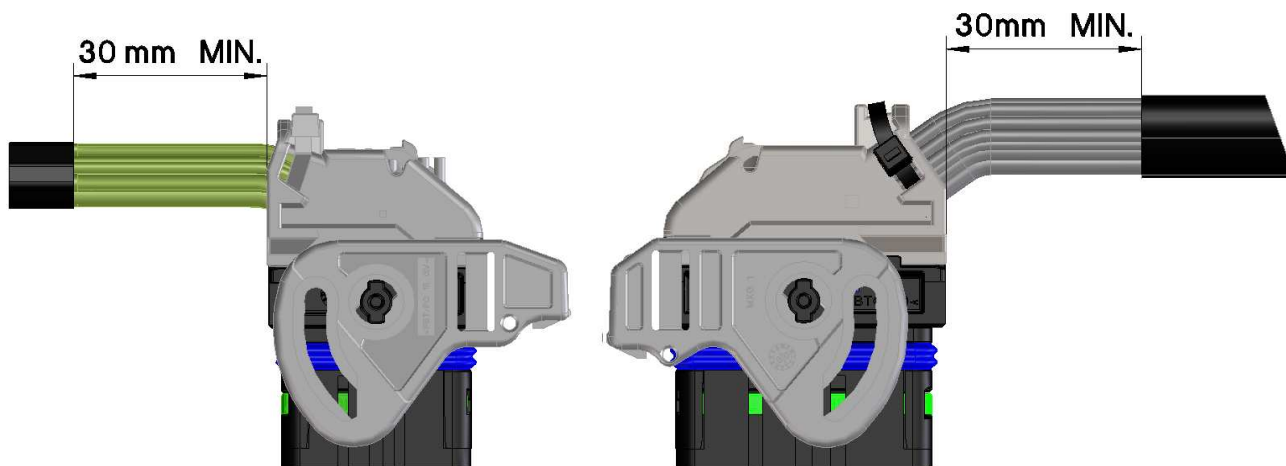
- REMARQUE : en cas de chargement très faible il est possible de placer le collier de serrage sur le dessus du capot comme indiqué page 17.
- In case of very low connector loading it is possible to put the tie wrap on the top of the wire car as mentioned on sheet 17.

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	19 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

2.12- RUBANNAGE / TAPING

32 VOIES / 32 WAY

48 VOIES / 48 WAY

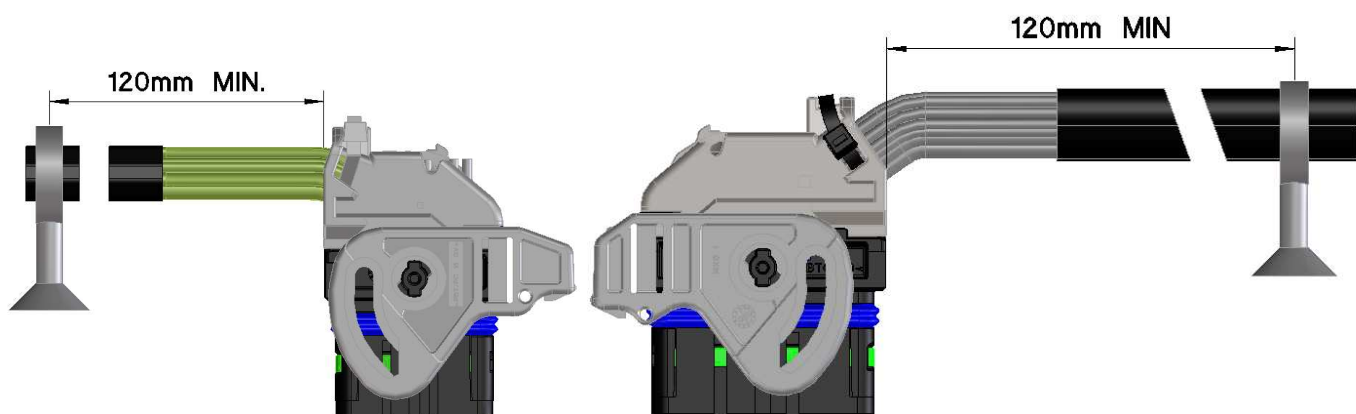


2.12- BRIDAGE DU TORON RECOMMANDE

2.12- RECOMMENDED CLAMPING OF THE WIRES HARNESS

32 VOIES / 32 WAY

48 VOIES / 48 WAY



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	20 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

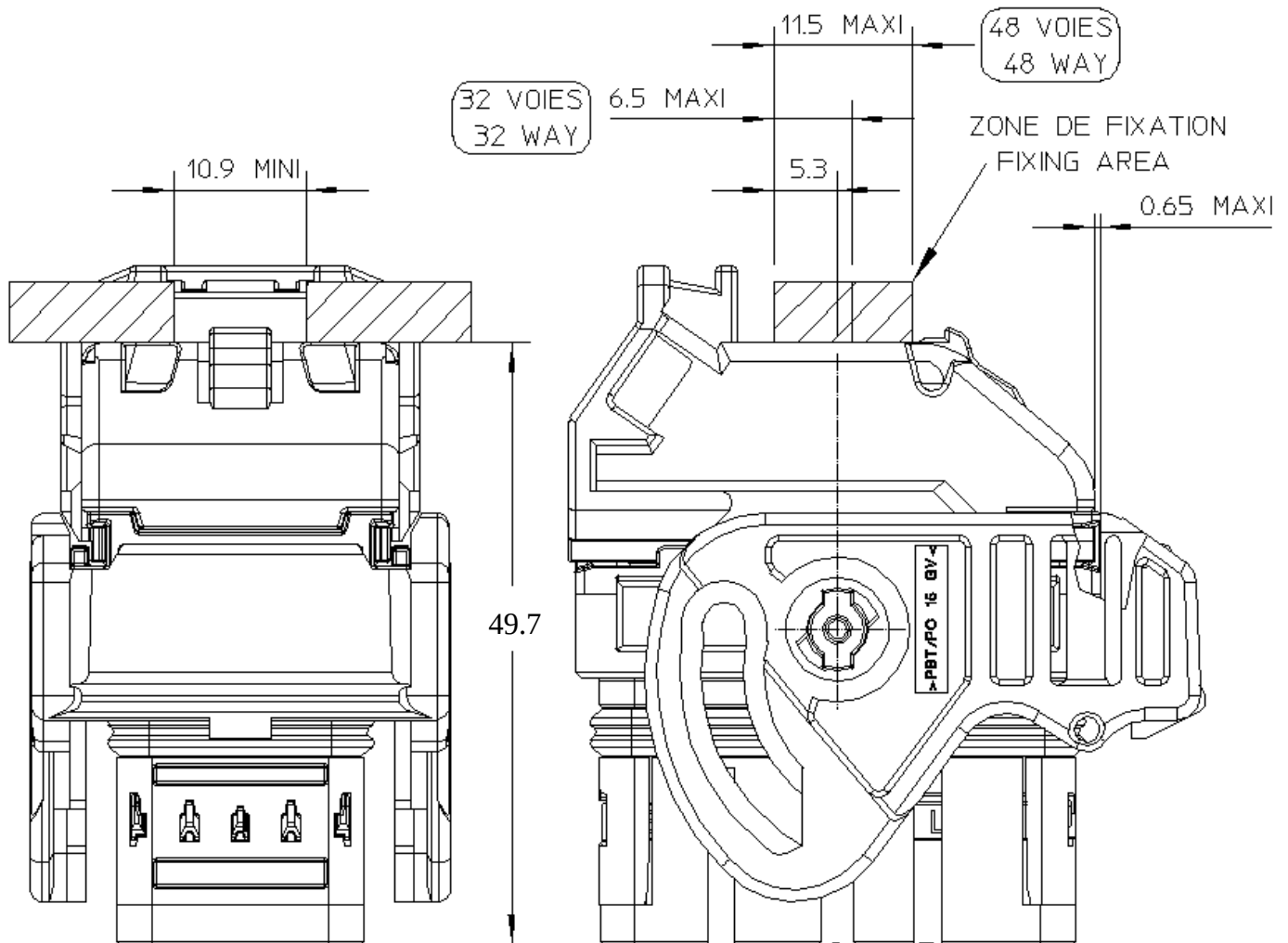


APPLICATION SPECIFICATION

3- TEST ELECTRIQUE 3- ELECTRICAL TEST

3.1- DIMENSIONS DES ZONES DE FIXATION DU CONNECTEUR AVEC CAPOT 32 & 48 VOIES POUR TEST FINAL ELECTRIQUE 3.1- FIXING AREA DIMENSIONS FOR FEMALE CONNECTOR WITH WIRE CAP 32 & 48 WAY FOR FINAL ELECTRICAL TEST

Effort de maintien du connecteur dans le montage de contrôle doit être de 120 N maximum.
Retention force of the connector in the electrical control device must be below 120 N maximum.

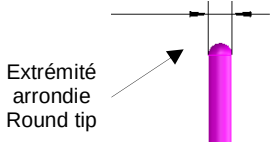


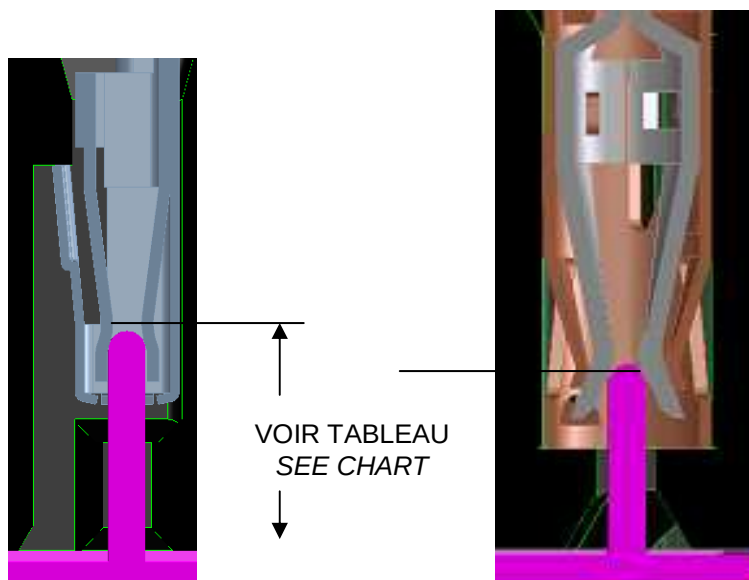
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	21 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

3.2- TEST ELECTRIQUE SUR PORTE-CLIP 3.2- ELECTRICAL TEST ON FEMALE MODULE

POINTE DE TEST / TEST PROBE	CONTACT 0.63 TERMINALS 0.63	CONTACTS 1.5 TERMINALS 1.5
DIAMETRE DE LA POINTE DE TEST TEST PROBE DIAMETER 	Ø 0.65 mm	Ø 0.74 mm
FORCE DEVELOPPEE PAR LA POINTE DE TEST TEST PROBE EFFORT	1.4 N max.	3.0 N max.
LONGUEUR POINTE DE TEST LIBRE FREE TEST PROBE LENGTH	6.50 mm min. 7.50 mm max.	5.00 mm min. 6.00 mm max.
LONGUEUR POINTE DE TEST EN COMPRESSION CONSTRAINED TEST PROBE LENGTH	3.05 mm min. 4.10 mm max.	2.70 mm min. 3.50 mm max.



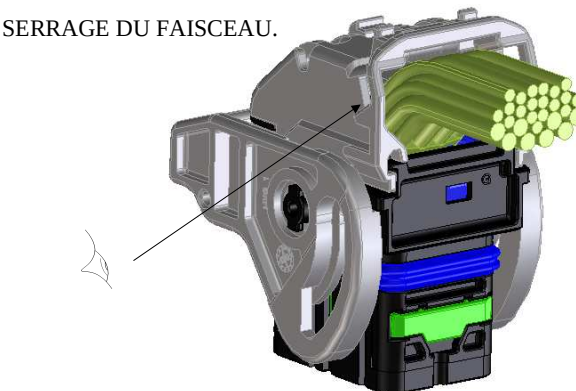
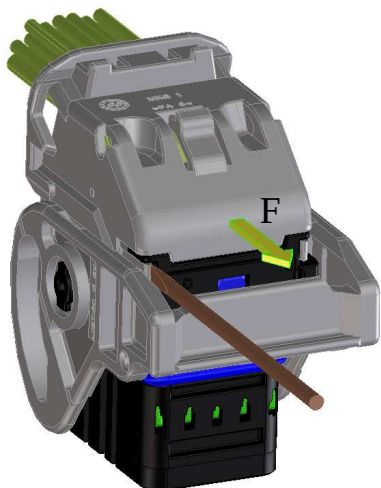
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	22 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

4- RETOUCHE / REWORK OPERATION

4.1- DEMONTAGE DU CAPOT / REMOVAL OF WIRE CAP

A- COUPER ET RETIRER LE COLLIER DE SERRAGE DU FAISCEAU.

A- CUT AND REMOVE THE TIE-WRAP

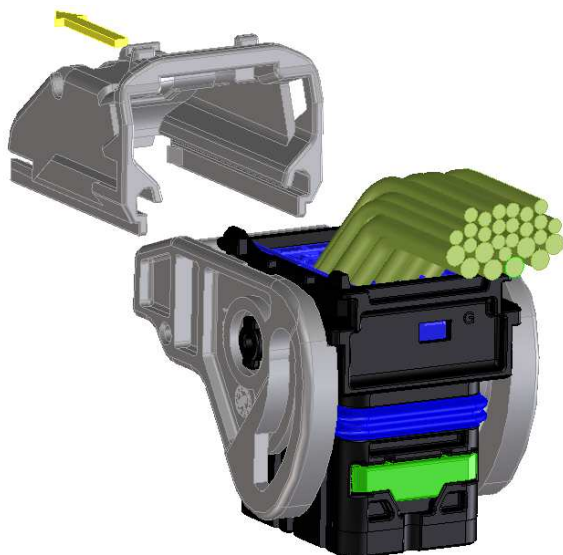


B- Ecarter le premier linguet de verrouillage du capot à l'aide d'un outil du type tournevis (dimensions extrémité recommandées 3.0x0.6) et pousser le capot suivant la direction F.

B- Open the first locking latch of the cover with a standard screwdriver (recommended dimensions of the tip: 3.0x0.6) and push on the cover following direction F.

C- En maintenant la pression sur le capot répéter l'opération précédente sur le linguet de verrouillage opposé.

C- Maintaining the pressure on the wire cap repeat the previous operation on the opposite locking latch.



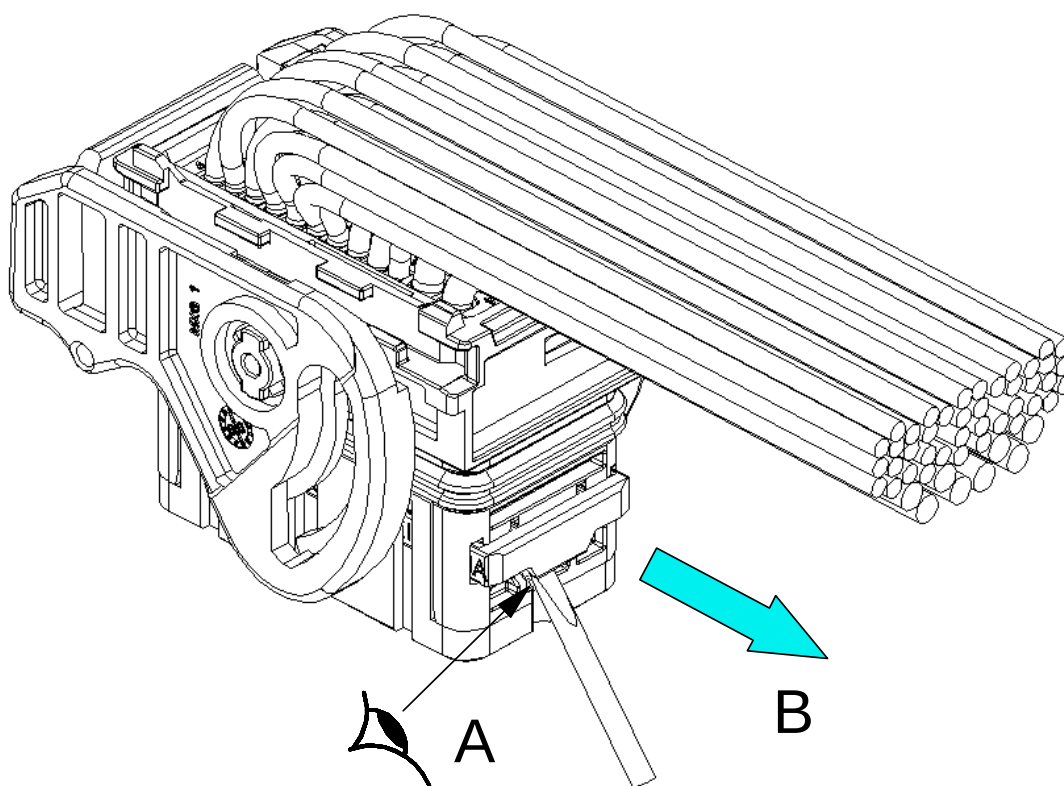
D- Retirer le capot en le faisant coulisser.

D- Remove the wire cap by sliding it.

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	23 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

5.2- OUVERTURE DU DOUBLE VERROUILLAGE 5.2- OPENING OF SECONDARY LOCKING

- A. Déverrouiller le double verrouillage à l'aide d'un outil du type tournevis.
(dimensions extrémité recommandées 3.0x 0.6)
- A. *Unlock the secondary locking with screwdriver.*
(recommended dimensions of the tip 3.0 x 0,6)



- B. Finir l'ouverture à la main jusqu'à la butée, passage d'un point dur, position ouverte.
- B. *Finish manually the opening of the secondary locking until the full, hard point to pass over, open position.*

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	24 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

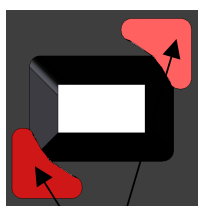
4.3- DEMONTAGE DES CLIPS 1.5 DU PORTE-CLIPS 4.3- REMOVAL OF FEMALE TERMINAL 1.5 FROM FEMALE MODULE

Pour démonter un clip, il faut le déverrouiller par l'avant du porte-clip puis l'extraire par l'arrière en tirant sur le fil.

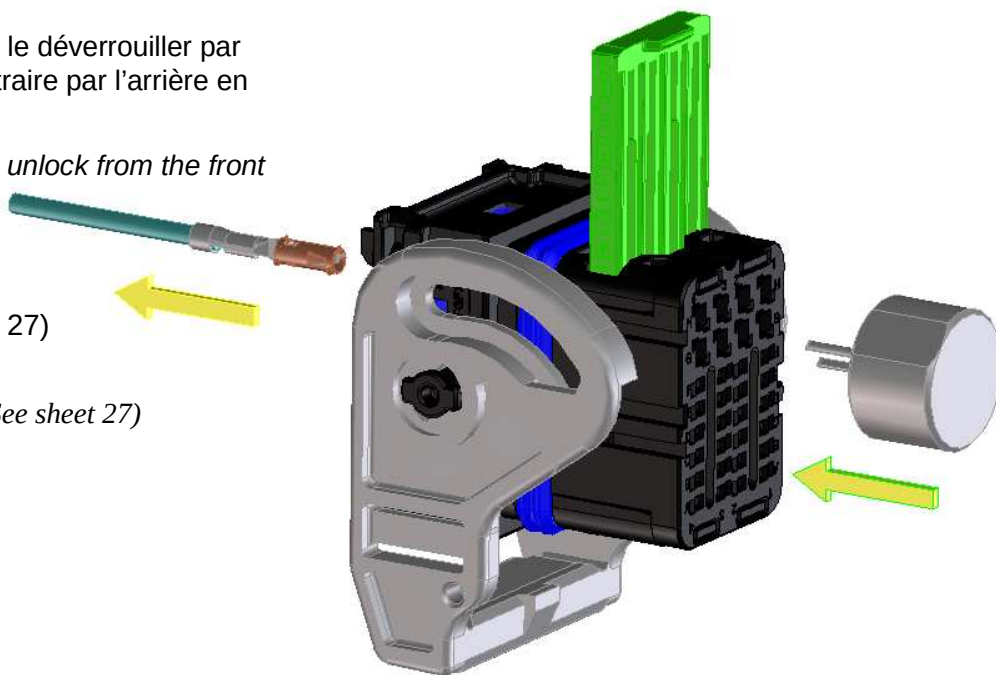
To remove a female terminal unlock from the front face and pull on the wire

Alvéole clip 1.5 (Voir page 27)
(Vue V)

Cavity female terminal 1.5 (See sheet 27)
(View V)



Passages des doigts d'outil
Cavities for tooling access



A- Placer les doigts de l'outil comme indiqué ci-dessus et amener l'outil en butée.

A- Place the two fingers of the tooling like above described, insert the tool till the stop.

B- Il existe 2 possibilités pour déverrouiller le clip :

- Clé de double verrouillage fermée : insérer l'outil puis ouvrir la clé de DV avant de tirer sur le fil pour retirer le clip (en maintenant l'outil). Refermer la clé de DV et répéter l'opération pour déverrouiller un autre clip.
- Clé de double verrouillage ouverte : insérer l'outil puis pousser-tirer sur le fil pour retirer le clip (en maintenant l'outil).

C- *It exist 2 possibilities to unlock the clip :*

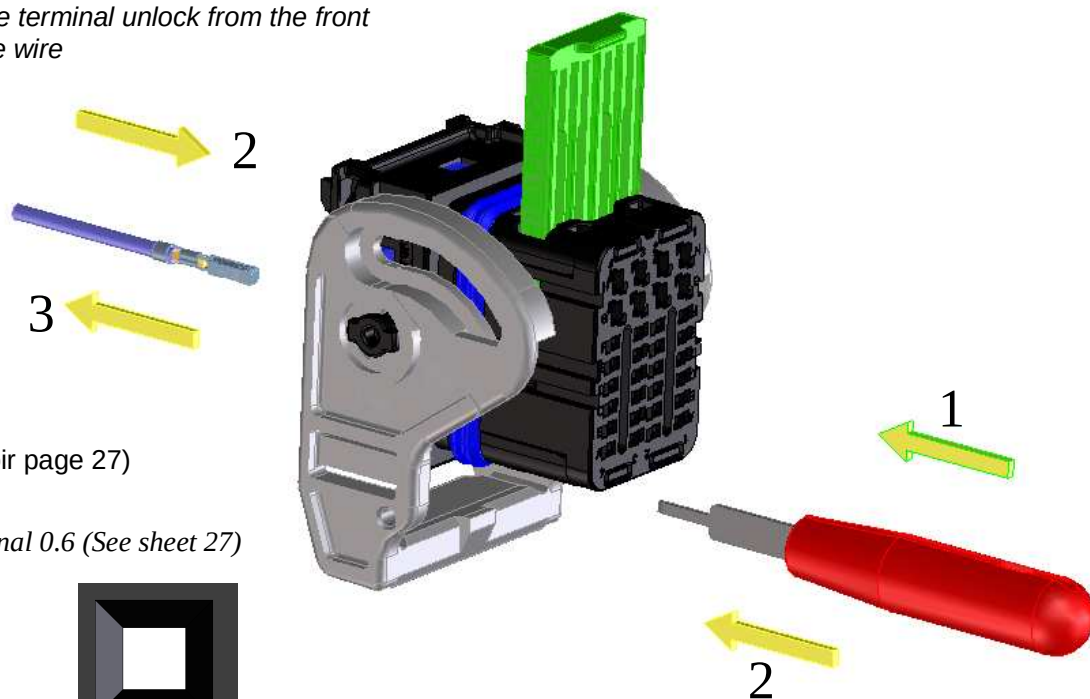
- Secondary locking closed : *insert the tool and open the secondary locking before to pull on the wire and remove the terminal (maintaining the tool in position). Close the secondary locking and repeat the operation to unlock another terminal.*
- Secondary locking open : *insert the tool and push-pull on the wire to remove the clip (maintaining the tool in position).*

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	25 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

4.4- DEMONTAGE DES CLIPS 0.635 DU PORTE-CLIPS 4.4- REMOVAL OF FEMALE TERMINAL 0.635 FROM FEMALE MODULE

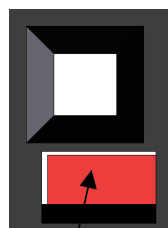
Pour démonter un clip, il faut le déverrouiller par l'avant du porte-clip puis l'extraire par l'arrière en tirant sur le fil.

To remove a female terminal unlock from the front face and pull on the wire



Alvéole clip 0.6 (Voir page 27)
(Vue V)

Cavity female terminal 0.6 (See sheet 27)
(View V)



Passages du doigts de l'outil

Cavities for tooling access

A- Insérer légèrement l'outil (1). Pousser sur le fil et l'outil (2) puis tirer sur le fil (3).

A- Insert slightly the finger of the tooling (1). Push on the contact wire and the tool (2) then pull on the wire (3).

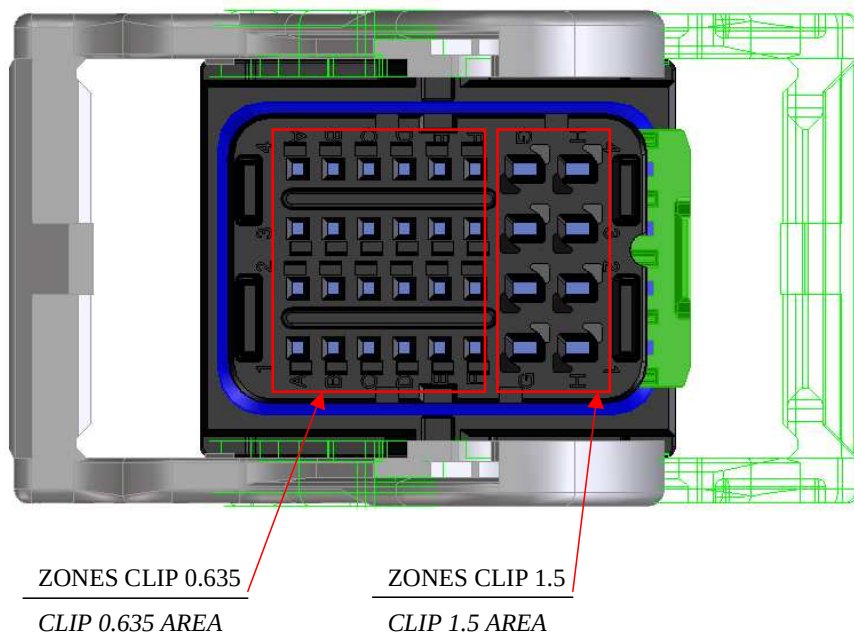
REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	26 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



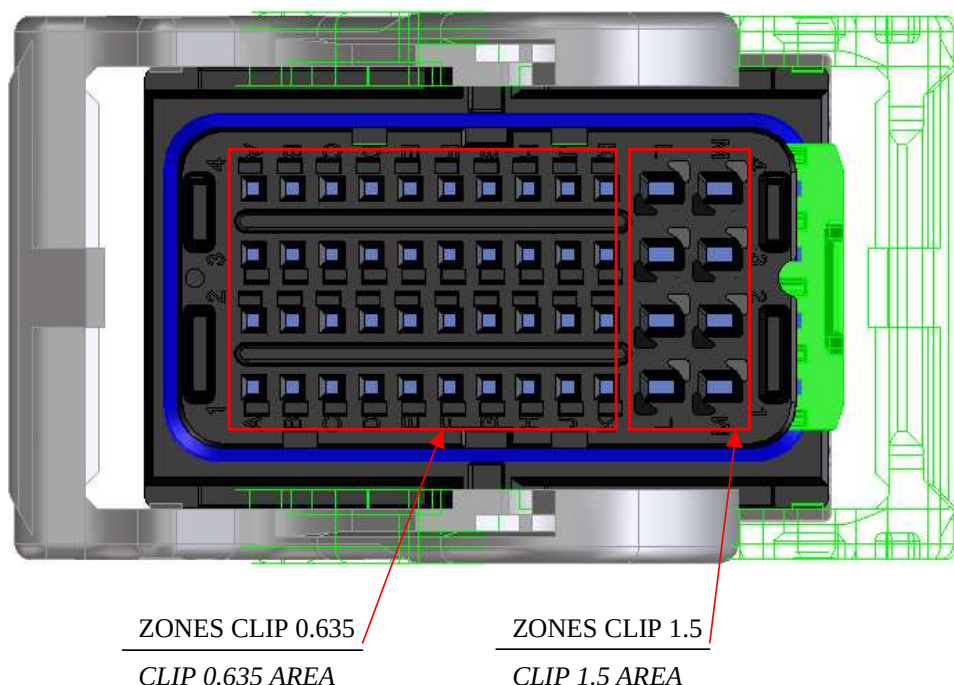
APPLICATION SPECIFICATION

4.5- NUMEROTATION DES ALVEOLES POUR CLIP (VUE DE DESSOUS) 4.5- CAVITIES NUMBER FOR CLIP (BOTTOM VIEW)

32 VOIES (VERSION SORTIE GAUCHE) / 32 WAY (LEFT WIRE OUTPUT VERSION)



48 VOIES (VERSION SORTIE GAUCHE) / 48 WAY (LEFT WIRE OUTPUT VERSION)



REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		27 of 35
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005		C. BOUCHAN	P.GOURBIN	L.STICKEIR



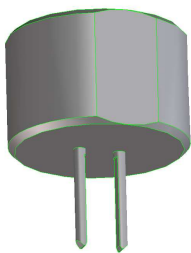
APPLICATION SPECIFICATION

4.6- DEFINITION DE L'OUTIL DE RETOUCHE POUR CLIP CP 1.5 4.6- DESCRIPTION OF EXTRACTION TOOL FOR CLIP CP 1.5

Outil pour retirer le contact CP 1.5 du porte-clip ou outil en accord avec les spécifications dimensionnelles ci-dessus.

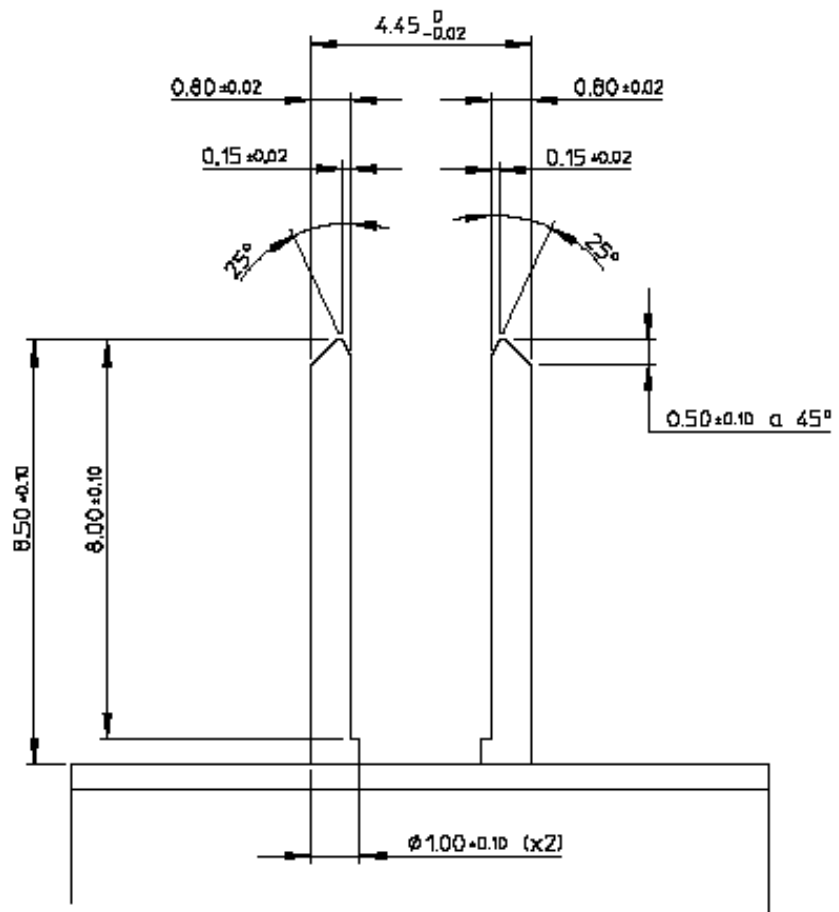
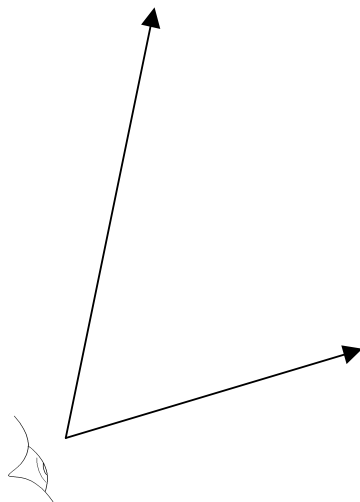
Tool to remove the terminal CP 1.5 from the female module or extraction tool in accordance with dimensions specified below.

REF./ P/N 0984201019



PARTIE ACTIVE DE L'OUTIL

TOOL ACTIVE PART



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	28 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



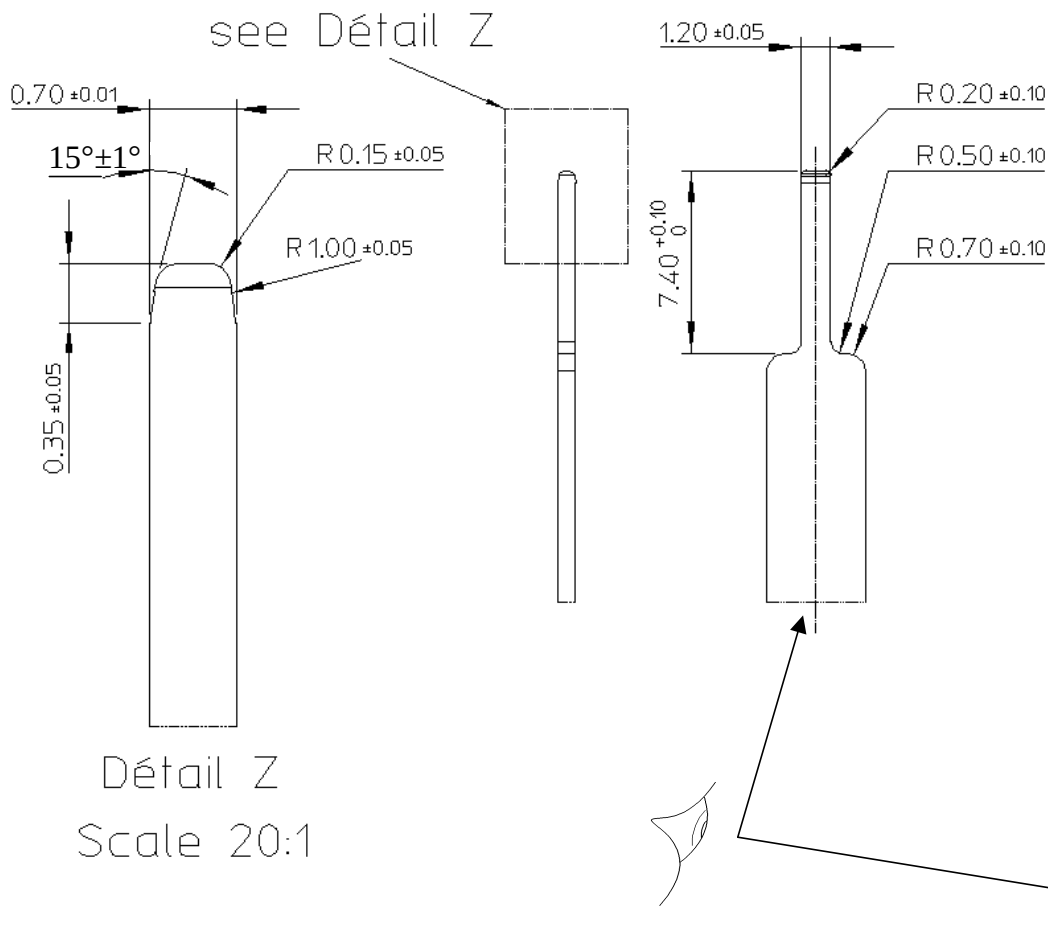
APPLICATION SPECIFICATION

4.7- DEFINITION DE L'OUTIL DE RETOUCHE POUR CLIP 0.635 4.7- DESCRIPTION OF EXTRACTION TOOL FOR CLIP 0.635

Outil pour retirer le contact 0.635 du porte-clip
Tool to remove the terminal 0.635 from the female housing

REFERENCE OUTIL / TOOL P/N : 0984201014

PARTIE ACTIVE DE L'OUTIL TOOL ACTIVE PART



REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION		29 of 35
DOCUMENT NUMBER:		CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005		C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

4.8- CONTROLE DE CONTINUITE SUR CONNECTEUR EQUIPE **4.8- CONTINUITY CHECK ON EQUIPPED CONNECTOR**

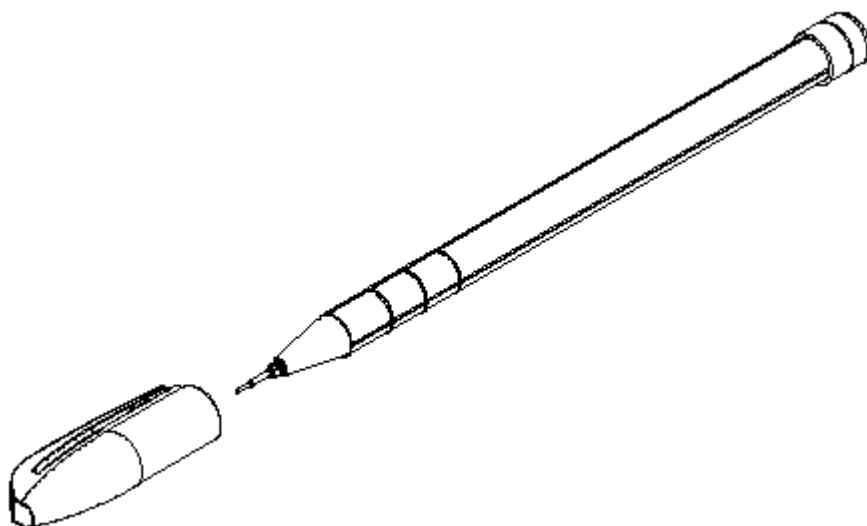
Outil de contrôle électrique à utiliser : **P/N : 0984201031** (suivant plan Molex SD-98420-033)
*Electrical test pen to be used : **P/N : 0984201031** (according to Molex drawing SD-98420-033)*

Lors d'un contrôle de continuité sur le connecteur CMC l'utilisation du stylo de contrôle électrique préconisé est impérative afin de ne pas détruire le clip.

In case of electrical continuity test on CMC connector utilization of the electrical test pen is mandatory to avoid any damage on the terminal.

L'utilisation de trombone, pointe de testeur, aiguille... est absolument à proscrire sous peine de déformation de la partie active du clip et donc de risque de contact ouvert ou de contact intermittent.

Usage of paper clips, electrical apparatus probe, needle is absolutely forbidden because of potential risk of terminal contact area damage which can cause open or intermittent electrical contact



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	30 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC			

MODE OPERATOIRE / OPERATING INSTRUCTIONS :

- Etape 1 / Step 1 :

Raccordement de la fiche banane (diamètre 4 mm) à l'arrière du stylo de contrôle électrique.

Link the banana plug (diameter 4 mm) to the back of the electrical control pen.

- Etape 2 / Step 2 :

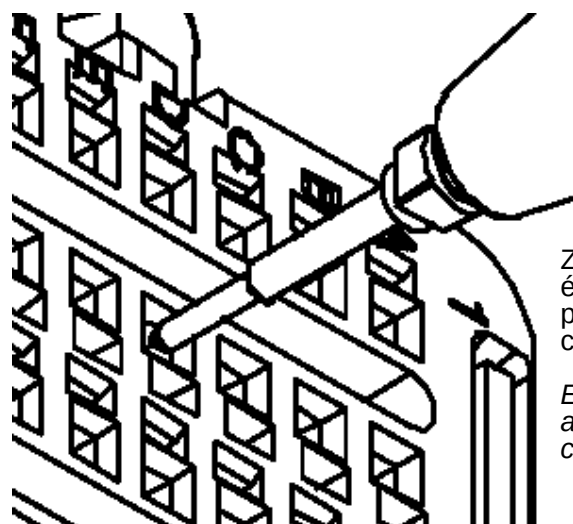
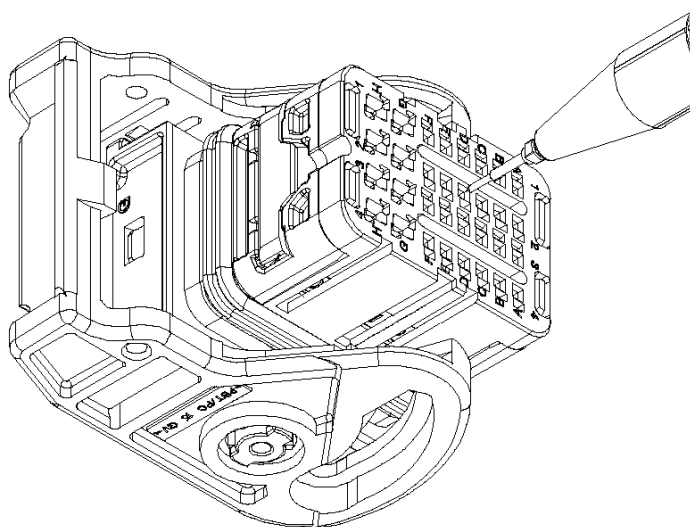
Mise en place de la pointe de touche en entrée d'alvéole des contacts 0.635. Amener le stylo perpendiculairement au boîtier (aucune orientation nécessaire).

Place the probe end in front of terminal 0.635 cavities. Maintain the pen perpendicular to the connector (no orientation necessary)

- Etape 3 / step 3 :

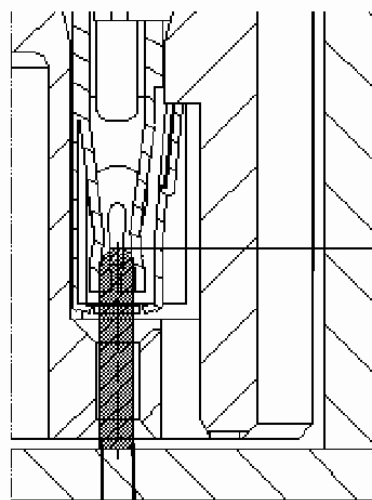
Prise de l'information : mise en compression de la pointe de touche (pour information : effort de compression < 0.7 N).

Electrical information : put the probe under pressure (for information : probe compression stress < 0.7 N)



Zone de contact électrique :
pointe de touche -
contact 0.635

*Electrical contact
area : test probe -
contact 0.635*



REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	31 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR



APPLICATION SPECIFICATION

5- MISE EN OEUVRE SUR VEHICULE 5- ASSEMBLY OPERATIONS ON VEHICULE

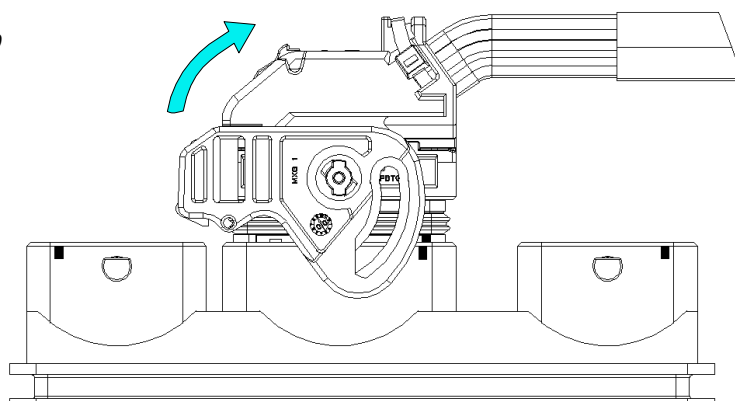
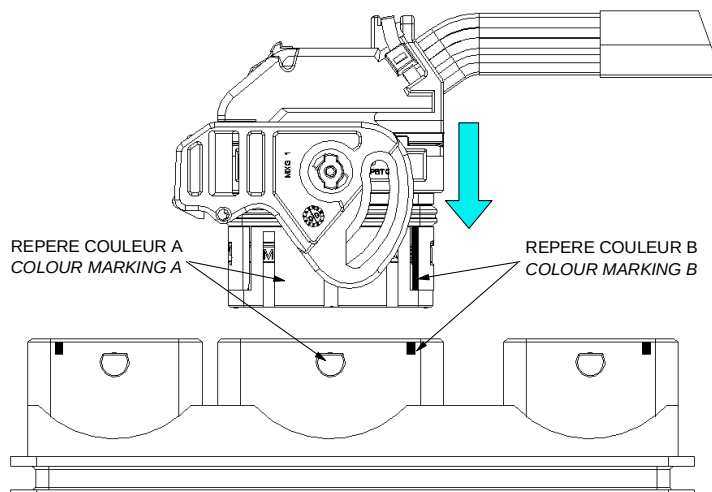
5.1- MONTAGE DU CONNECTEUR ASSEMBLE DANS L'EMBASE 5.1- MATING OF ASSEMBLED CONNECTOR INTO HEADER

A- Présenter le connecteur assemblé face aux repères couleurs A et B. -Le repère A correspond à la couleur de la face avant du connecteur. -Le repère B correspond au marquage blanc d'aide visuelle à la polarisation situé sur l'embase et le connecteur. Insérer le connecteur dans l'embase jusqu'à la butée.

- Place the assembled connector in front of the colour markings A and -The colour marking A correspond to the colour of the front face of the connector .

A- Place the assembled connector in front of the colour markings A and -The colour marking A correspond to the colour of the front face of the connector .

-The colour marking B correspond to the white polarization marking located on the assembled connector and on the header. Insert the assembled connector into header until the stop

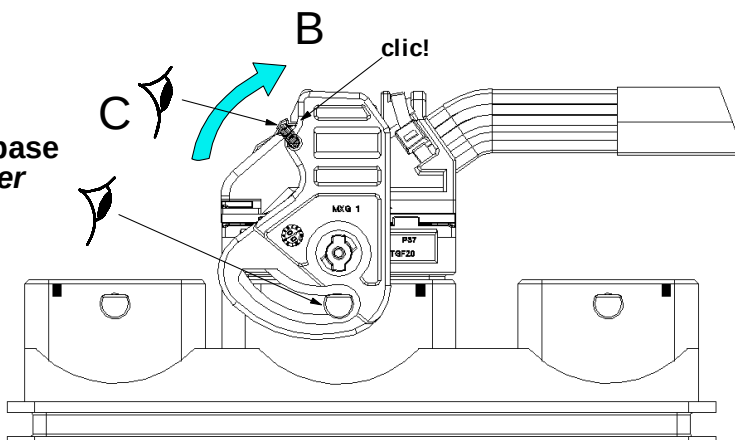


B- Faire pivoter le levier jusqu'à sa butée et son encliquetage sur le capot.

B- Rotate the lever till the stop and the locking on the cover

Connecteur verrouillé dans l'embase
Connector locked on the header

C- si nécessaire, installer et sertir le fil de plombage de diamètre 1 mm MAXI.
C- If necessary, place and crimp the lead seal wire Dia.1 mm MAX

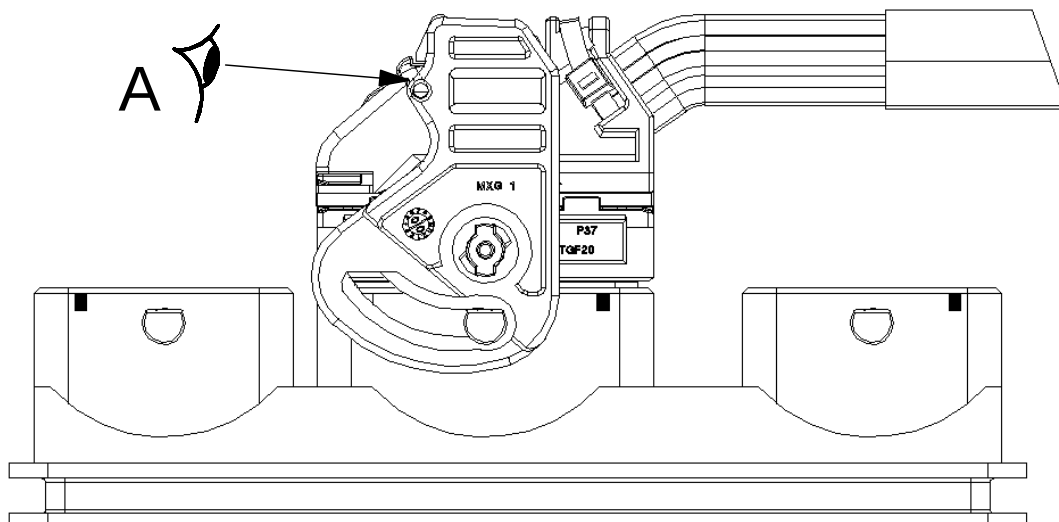


REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	32 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR
TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC			

5.2- DEMONTAGE DU CONNECTEUR ASSEMBLE DE L'EMBASE **5.2- UNMATING OF ASSEMBLED CONNECTOR FROM THE HEADER**

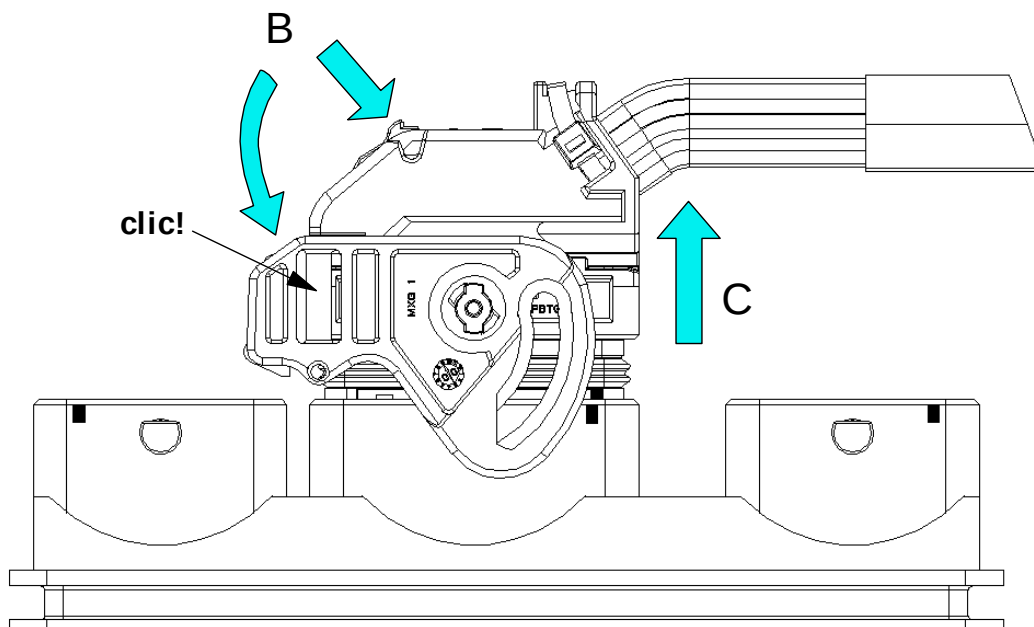
A- Couper et retirer le fil de plombage.

A- Cut and remove the lead seal wire



B- Appuyer sur le déverrouillage situé sur le capot et faire pivoter le levier jusqu'à l'encliquetage de celui-ci sur le porte-clips.

B- press on the locking located on the wire cap and rotate the lever until its locking on the female housing.



C - Extraire le connecteur de l'embase.

C- Remove the female connector from the header

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	33 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
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APPLICATION SPECIFICATION

6- EMBALLAGE / PACKAGING

DESCRIPTION DESCRIPTION	Ref. MOLEX MOLEX P/N	QUANTITE / TYPE EMBALLAGE PRIMAIRE QUANTITY / TYPE PRIMARY PACKAGING	QUANTITE / TYPE EMBALLAGE SECONDAIRE QUANTITY / TYPE SECONDARY PACKAGING
PORTE-CLIP / FEMALE MODULE			
Porte-clip 32 voies sortie droite Female module 32 way right wire output	0989442001	64 pièces par plateau 64 pieces per tray	448 pièces par carton A12 448 pieces per cardboard box A12
	0989442002		
	0989442003		
	0989442004		
	0989442005		
	0989442006		
Porte-clip 32 voies sortie gauche Female module 32 way left wire output	0989443001	64 pièces par plateau 64 pieces per tray	448 pièces par carton A12 448 pieces per cardboard box A12
	0989443002		
	0989443003		
	0989443004		
	0989443005		
	0989443006		
Porte-clip 48 voies sortie droite Female module 48 way right wire output	0989502001	56 pièces par plateau 56 pieces per tray	392 pièces par carton A12 392 pieces per cardboard box A12
	0989502002		
	0989502003		
	0989502004		
	0989502005		
	0989502006		
Porte-clip 48 voies sortie gauche Female module 48 way left wire output	0989503001	56 pièces par plateau 56 pieces per tray	392 pièces par carton A12 392 pieces per cardboard box A12
	0989503002		
	0989503003		
	0989503004		
	0989503005		
	0989503006		
CAPOT / WIRE CAP			
Capot 32 voies Wire cap 32 way	0986491003	1344 pièces par carton A12 1344 pieces per cardboard box A12	N/A
Capot 48 voies Wire cap 48 way	0986551003	1000 pièces par carton A12 1000 pieces per cardboard box A12	N/A

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	34 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
AS-98944-005	C. BOUCHAN	P.GOURBIN	L.STICKEIR

TEMPLATE FILENAME: APPLICATION_SPEC[SIZE_A4](V.1).DOC



APPLICATION SPECIFICATION

7- CONDITIONS DE STOCKAGE / STORAGE CONDITIONS

♦ TEMPERATURE DE STOCKAGE : de - 40°C à 85°C

♦ STORAGE TEMPERATURE : from - 40°C to 85°C

♦ DUREE DE STOCKAGE : 6 MOIS APRES LIVRAISON . 12 MOIS APRES DATE DE FABRICATION.

♦ STORAGE DURATION : 6 MONTHS AFTER SHIPMENT . 12 MONTHS AFTER PRODUCTION DATE

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: G2008-0297 DATE: 2008/02/14	APPLICATION SPECIFICATION 32/48 WAY CMC GEL VERSION	35 of 35
DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
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