

FT4869 Surge tank cover Chafing on Components (MQR 7621-1762)		
Technical writer name / nom rédacteur technique:	Luc Carignan	Manual/manuel, section: 1

First Level Parts (100% of 415 veh)		
Parts/ pièces, description	Part # / # de pièce	QTY / Qté
WASHER FLAT M8 SS HD DIN7349	N30731	4
Lock Washer M8 SS DIN 128	N28220	4

Labour level 1	0.67 on 100% of veh
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MQR	7621-1762
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Disposal of parts / disposition des pièces	
When the retained check box is checked, the parts must be retained and returned in accordance with the usual warranty procedure to be reimbursed	
Removed parts are / les pièces retirées sont:	
Discarded / jetées	Retained/conservées
X	

Second Level Parts (48% of 415 veh)		
Parts/ pièces, description	Part # / # de pièce	QTY / Qté
SUPPORT HINGE FOR CANOPY RAD	N99962-1	1
SUPPORT HINGE FOR CANOPY RAD	N99962-2	1
Lock Washer M8 SS DIN 128	N28220	4
SCREW 3/8-16X5/8 CAP SHLD SS	N71434	2
NUT 3/8-16 HEX	N21454	2
NUT HEX M8 FLANGED WITH INSERT	N43233	2

Labour level 2	1 on 2 veh
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Client	Order/Lot	Road numbers / No de véhicule		VIN / NIV		QTY / QTÉ	Lang.	Customer Group/ Groupe client	Target market / marché cible	Plant / Usine	Engine Config / Config moteur	Model / modèle	NR	R1
New York City Transit - New York	L958	5439	5442	S92J9G9775533	S92J9G9775631	4	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	L959	5443	5443	S92J0H9776118	S92J0H9776118	1	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	LA23	5485	5530	S92J5J9776380	S92J6J9776517	46	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	LA73	8504	8507	L82J8J9776445	L82J8J9776476	4	E	NYCT	US	PLB	TD	40	x	
New York City Transit - New York	LA76	8508	8633	L82J9J9776924	L82J8K9777144	125	E	NYCT	US	PLB	TD	40	x	
New York City Transit - New York	LB29	5531	5566	S92J9J9776687	S92J6J9776873	36	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	LB59	5444	5484	S92J7H9776195	S92J6H9776379	41	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	LB78	8526	8526	L82J3K9776984	L82J3K9776984	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit - New York	LB99	5567	5602	S92J2J9776935	S92J5K9777000	36	E	NYCT	US	PLB	TD	60	x	
New York City Transit - New York	LC32	8634	8754	L82JXK9777145	L82J5K9777277	121	E	NYCT	US	PLB	TD	40	x	

Jean-Nicolas Fournier

Digitally signed by Jean-Nicolas Fournier
DN: cn=Jean-Nicolas Fournier, o=Nova Bus,
email=jean-nicolas.fournier@volvo.com, c=CA
Date: 2020.07.01 18:06:45 -04'00'

MQR 7621-1762 : Service Solution (Shim)

Surge tank cover Chafing Components – Interferences & Solutions

Case Manager: Jeffrey Vegh

2020-04-09

Revision 05 (Bill of material and SRT added)



Instructions, 2020-04-09

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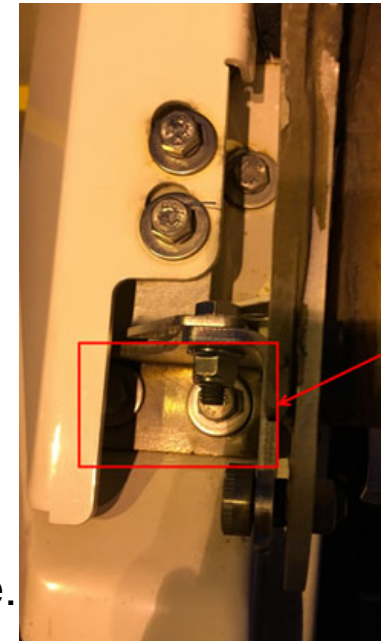
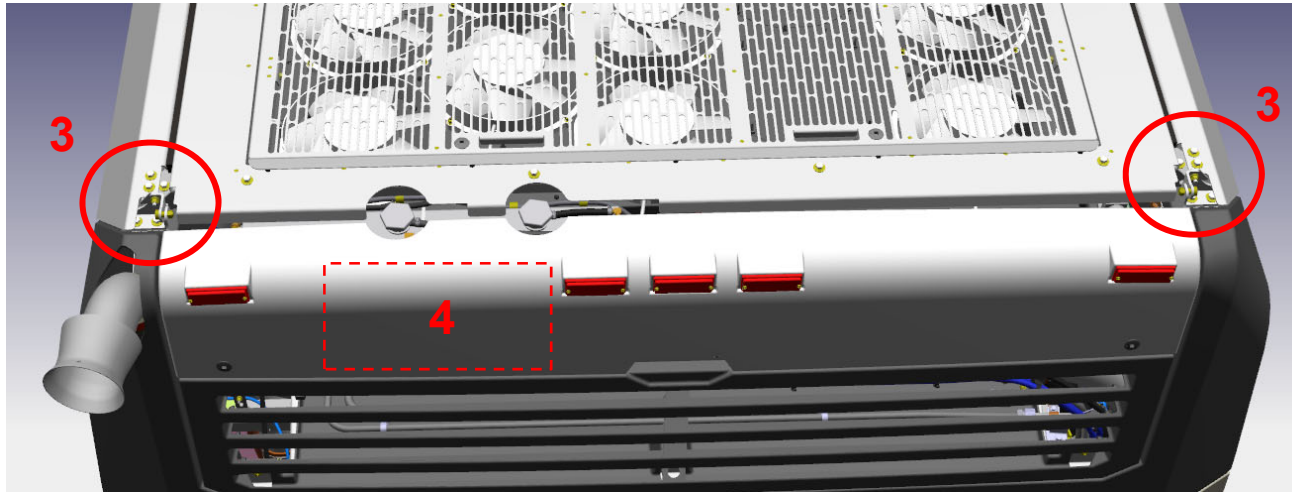
Agenda



Subjects

1. Location of rework
2. Solution required (Sight Glass contact : Yes / No)
3. Rework Instructions
4. Installation
5. Validation

1) Zone of rework:

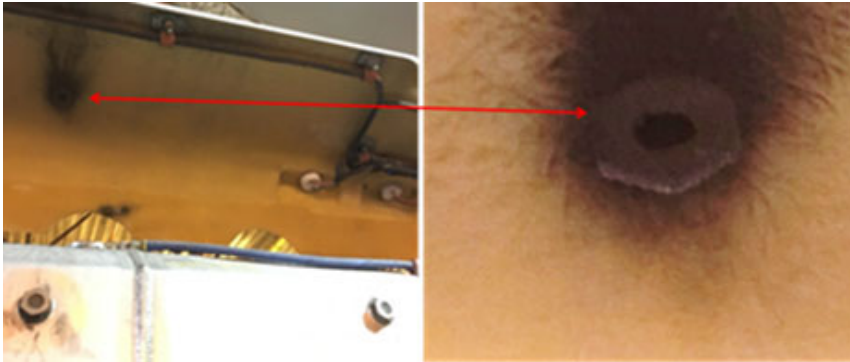


a) Top, Rear, Curb / Street side of Canopy.

b) Use adequate safety equipment when working on top of vehicle.

2) Check for sight glass contact (YES see Step 6 / NO see Step 7)

a) Visual inspection of indent / grooves on Canopy

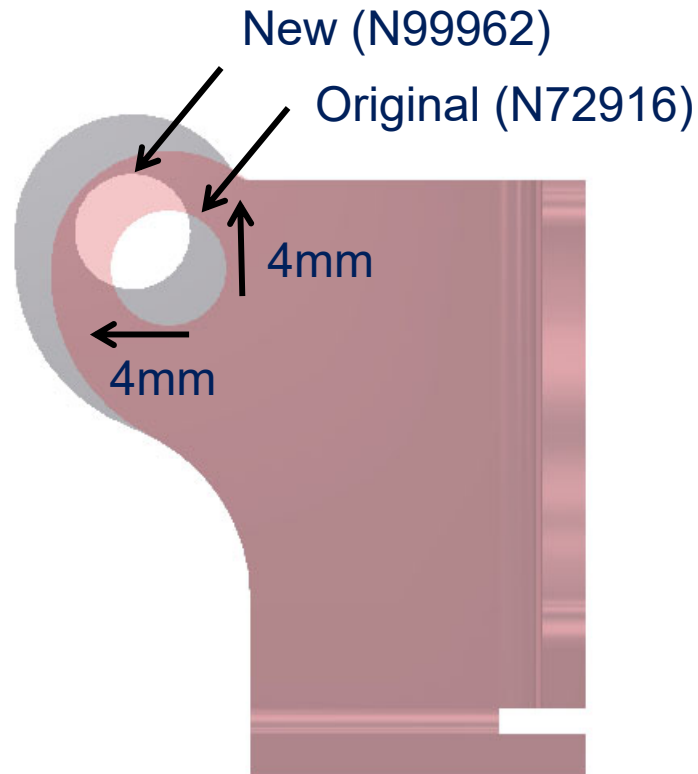


Bus with Sight glass contact

b) Once bracket is replaced a clearance of 3 – 4 mm will be achieved.

3) Rework Instructions: (Sigh Glass contact ONLY)

a) Replace original brackets (N72916-1 / -2) with new ones (N99962-1 & -2)



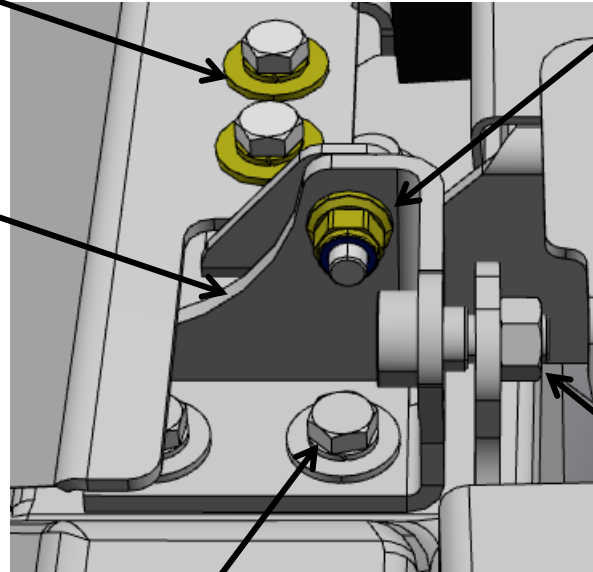
Note,

New brackets will relocate the Canopy attaching hole by 4mm upwards & rearwards.

b) Installation Instructions: SIGH GLASS contact

Retain original Hardware for access,
Replace bracket then Torque 27.2 ± 2 Nm +
Loctite 242 (on threads)

Replace original bracket
N72916 with N99962



Retain original screw N31413
Retain original flat washer N29011
Discard original Lock Nut N43233
Torque 27.2 ± 2 Nm
Add Torque seal

2 places

Discard original screw N71434
Discard original Nut N21454
Torque 27.2 ± 2 Nm + Loctite 242
(on threads)
Add Torque seal

2 places

Retain original screw N28668
Retain original flat washer N28219
Discard original Lock Washer N28220
Torque 27.2 ± 2 Nm + Loctite 242 (on threads)
Add Torque seal

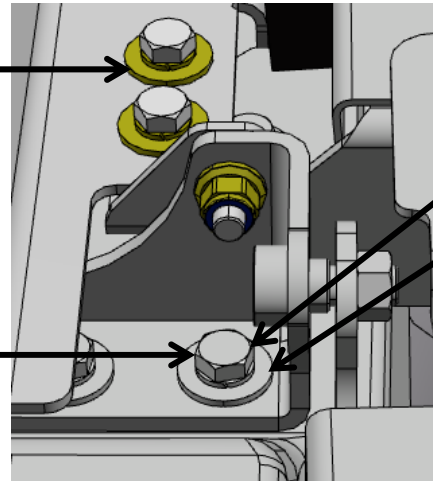
4 places

4) Installation Instructions: Without SIGH GLASS contact

a) Retain indicated hardware

Retain original Hardware
for access,
Shim bracket then Torque
 $27.2 \pm 2 \text{ Nm}$ + Loctite 242
(on threads)

Retain original screw
N28668

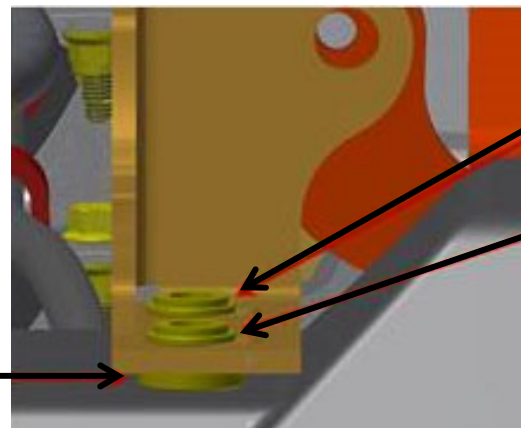


Discard original Lock Washer N28220

Retain original flat washer N28219

Original Installation

Add new Washer N30731
4MM thk (Shim)

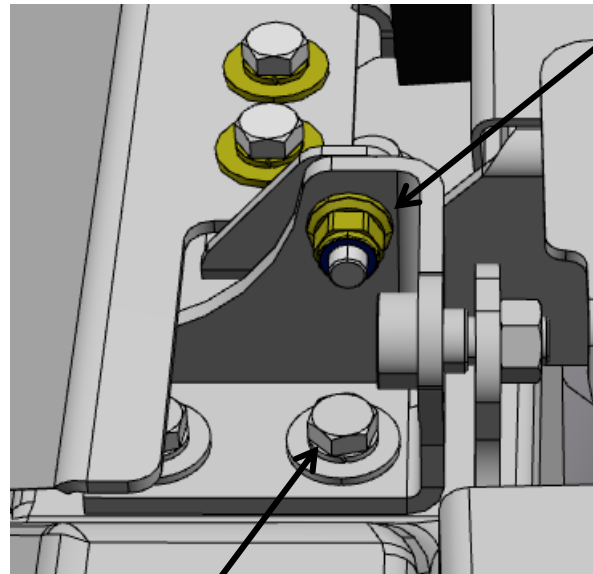


New Lock Washer N28220

Original flat washer N28219

New proposed installation

b) Installation Instructions: Without SIGH GLASS contact



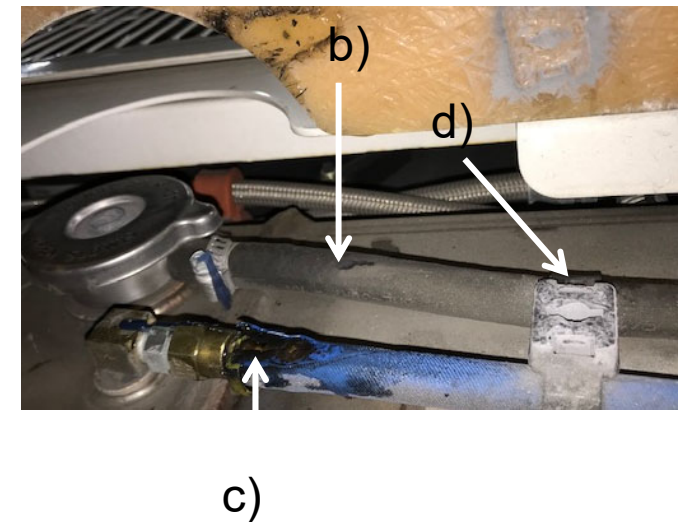
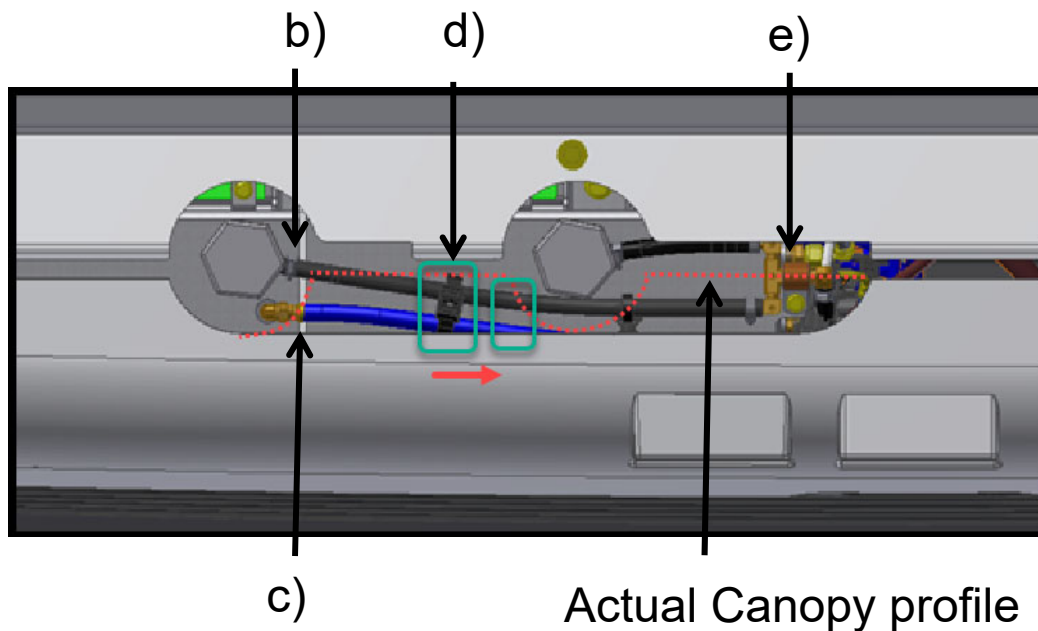
Retain original screw N31413
Retain original flat washer N29011
Discard original Lock Nut N43233
Torque 27.2 ± 2 Nm
Add Torque seal
2 places

Torque 27.2 ± 2 Nm + Loctite 242
(on threads)
Add Torque seal
4 places

5) Validation : With or Without sign glass contact

Gain of 4mm to avoid contact of the following components;

- b) Rubber Tube Chafing on Canopy
- c) Fitting and Rubber Tube Chafing on Canopy
- d) Tyton Chafing on Canopy (relocate if required, as shown)
- e) P-Clamp Chafing on Canopy



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