

FT4935 VIP relay failure

Technical writer name
Devanand

Manual section 17

First Level Parts		
Material	Part Number	QTY
-	-	-

Nb hours Level 1 0.25 hr MQR 7621-2021

Second Level Parts (20% of 415 vehicles)		
Material	Part Number	QTY
CABLE TIE (0657558)	G5007996	1
RELAY VIP ASSEMBLY	N80973	1

Disposal of parts		
Removed parts are:		When the retained check box is checked, the parts must be retained and returned in accordance with the usual warranty procedure to be reimbursed.
Discarded	Retained	
x	-	

Client	Order	Road numbers	VIN		QTY	Lang.	Customer	Target market	Plant	Config moteur	Model	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	LB59	5444	5484	S92J7H9776195	S92J6H9776379	41	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	LB29	5531	5566	S92J9J9776687	S92J6J9776873	36	E	NYCT	US	PLB	TD	60	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	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	LC32	8634	8754	L82JXK9777145	L82J5K9777277	121	E	NYCT	US	PLB	TD	40	x
New York City Transit - New York	LB78	8526	8526	L82J3K9776984	L82J3K9776984	1	E	NYCT	US	PLB	TD	40	x

Jean-Nicolas Fournier

Digitally signed by Jean-Nicolas Fournier
DN: cn=Jean-Nicolas Fournier, o=Hosco Bus,
email=jean-nicolas.fournier@hosco.com, c=CA
Date: 2020.08.26 11:36:48 -0400

Service Instruction

QJ 7621- 2021 - VIP Relay FAILURE

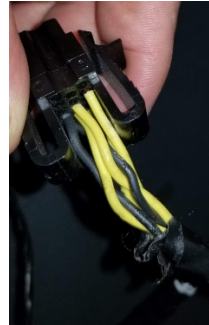
GENERAL INFORMATIONS

Document	REV	Date	By
Service repair procedure	NC	07-14-2020	Alireza Jalali Wilson Heras

Order Affected	Road Number	Customers	QTY
L958		NYCT 60'	4
L959		NYCT 60'	1
LA23		NYCT 60'	46
LA73		NYCT	4
LA76		NYCT	125
LB29		NYCT 60'	36
LB59		NYCT 60'	41
LB78		NYCT	1
LB99		NYCT 60'	36
LC32		NYCT	121
TOTAL			415

SYSTEM and PARTS:

System Name	VIP Relay
Option	517101.841 , 517101.843 , 517101.959 , 517101.A73 , 517101.B29 , 517101.C78
Drawing	517101NB92, 517101NB13, 517101NB14, 517101NB15, 517101NB111
Part	N80973



Cause of Failure:

Since the customer installs the radio, we need to know how much harness is required to make good connections without stressing the connectors. We will be following the bus until it is shipped to the customer. After receiving information from the field, they need 8-9 inches of harness.

Our production line stated this has been a past issue and the BOM T008L was updated. It clearly states that 8 inches of extra length from the face of the housing.

POTENTIAL IMPACT: Pulled wires/ bad connection

MATERIAL

Item	QTY	PART NO	REV	DESCRIPTION	REPLACES PART N°
LEVEL 1					
N/A					
LEVEL 2 (20%)					
1	1 / Bus	G5007996		Cable Tie	G5007996
2	1 / Bus	N80973		RELAY VIP ASSEMBLY NYCT	N80973

SRT	Type	Time
	Inspection	5 min
	Installation	10 min

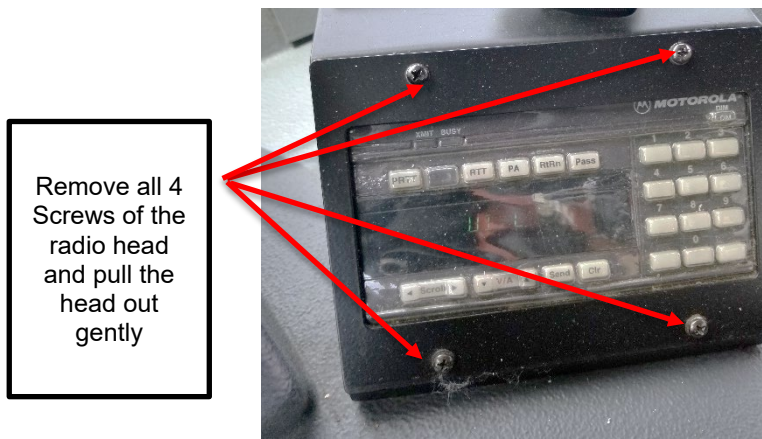
SPECIAL INSTRUCTION / IMPORTANTE NOTICE

No	Tools Needed:
1	Measuring tape
2	Cutters
3	Philips head screwdriver

DESCRIPTION / WORK INSTRUCTION

Step # 1:

Remove the 4 screws of the radio head using the Philips head screwdriver and remove the radio head. Retain the hardware and radio head



Step # 2:

Perform a visual inspection of the VIP relay connector to confirm if the pins and wires are not pulled out of the connector and the functionality of the radio is ok (ON). Also check the length of the VIP relay harness from the head connectors to the base of the dash should be at least 8 to 9 inches long. If any of these 3 inspections fail, go to the step #3 if not go to the Step #9

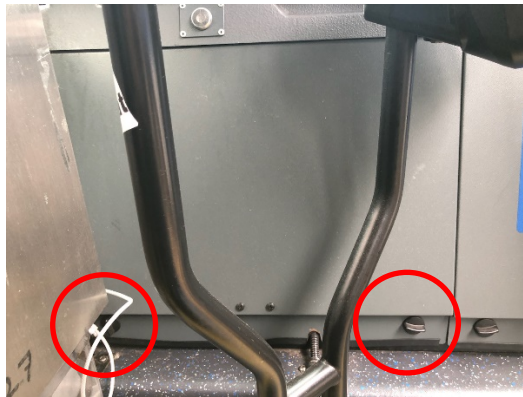
Step # 3:

Disconnect VIP relay connector from the back of the radio head unit



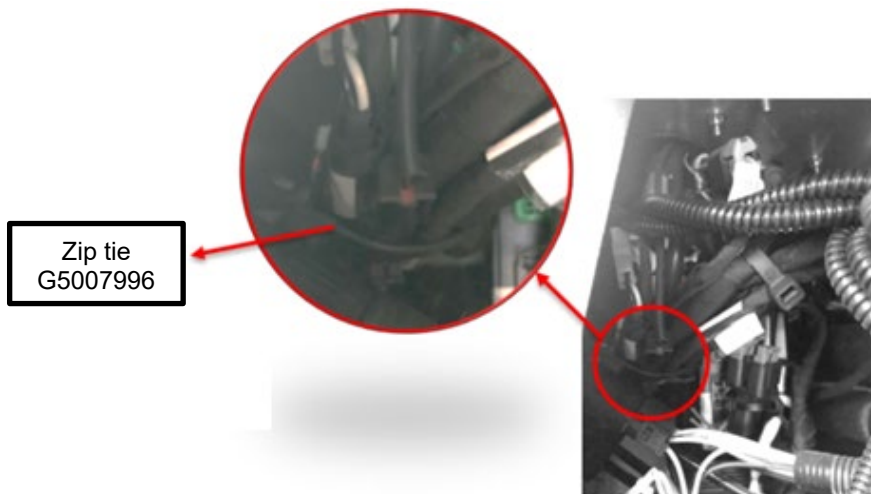
Step # 4:

Remove the access panel by turning the two black knobs



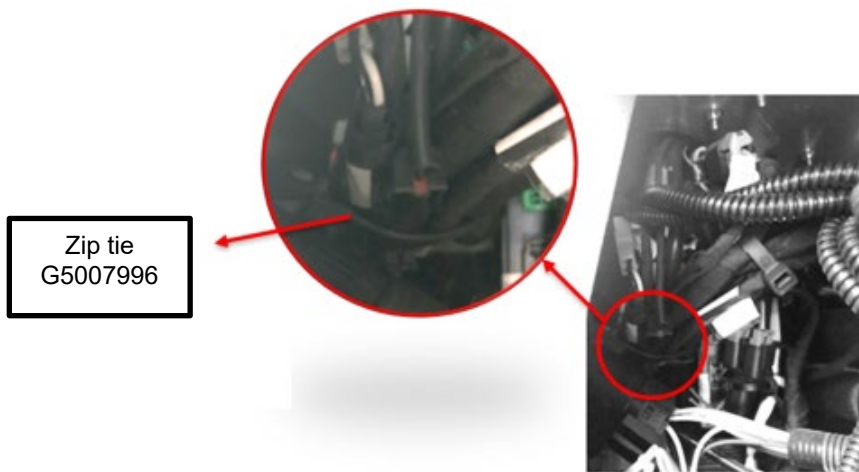
Step # 5:

Cut the zip Tie (P/N G5007996) and pull the harness to achieve the required length (8 – 9 inches) from the housing



Step # 6:

Bundle the cables again with a new zip tie P/N G5007996



Step # 7:

Connect VIP relay connector to the back of radio head unit



Step # 8:

Test the radio functionality (test PA system) if ok



Test radio PA system

1. Press PA
2. Press and talk on radio microphone
3. If your voice is heard all throughout the speakers the radio is working properly (ok)

Step # 9:

Re-install the radio head unit and secure the four screws

Step # 10:

Close the access panel and lock the knobs bus ok for service

Service Instruction

QJ#:7621-2021: VIP RELAY (NYCT)