

**FT5215 24V Electric Steering Hydraulic Issues NYCT**

**Technical writer name**  
**Rajendra N M**

**Manual section**      **07**

First Level Parts		
Part Description	Part Number	QTY
-	-	-
Shop Supply Parts (100% of 119 Vehicles)		
Part Description	Part Number	QTY
Castrol Transynd Synthetic Transmission Fluid	N30283	0.16 Ltr

**Note:**  
1 ea = 19 Liter  
0.16 Liter / Bus  
19 Liter for the entire campaign

**Nb hours Level 1**      0.3 hr      **MQR**      7621-2368

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	
-	-	

Client	Order	Road numbers	VIN	QTY	Lang.	Customer	Target market	Plant	Engine Config	Model	NR	R1
New York City Transit New York - NYCT	LC79	9624 9628	L82L3M9777783 L82L0M9777787	5	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9636 9637	L82LXM9777795 L82L1M9777796	2	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9639 9639	L82L5M9777798 L82L5M9777798	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9644 9644	L82L5M9777803 L82L5M9777803	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9648 9648	L82L2M9777807 L82L2M9777807	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9650 9650	L82L6M9777809 L82L6M9777809	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9652 9654	L82L4M9777811 L82L8M9777813	3	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9656 9674	L82L1M9777815 L82L3M9777833	19	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9676 9676	L82L7M9777835 L82L7M9777835	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9678 9678	L82L0M9777837 L82L0M9777837	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9680 9680	L82L4M9777839 L82L4M9777839	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9683 9683	L82L4M9777842 L82L4M9777842	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9691 9691	L82L3M9777850 L82L3M9777850	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9694 9694	L82L9M9777853 L82L9M9777853	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9698 9702	L82L6M9777857 L82L8M9777861	5	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9707 9707	L82L7M9777866 L82L7M9777866	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9710 9715	L82L2M9777869 L82L8M9777875	6	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9717 9721	L82L1M9777877 L82L3M9777881	5	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9723 9724	L82L7M9777883 L82L9M9777884	2	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9727 9727	L82L4M9777887 L82L4M9777887	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9730 9736	L82L4M9777890 L82L9M9777903	7	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9738 9740	L82L2M9777905 L82L6M9777907	3	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9742 9742	L82LXM9777909 L82LXM9777909	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9745 9746	L82LXM9777912 L82L1M9777913	2	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9748 9780	L82L5M9777915 L82L7M9777950	33	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LC79	9782 9784	L82L0M9777952 L82L4M9777954	3	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9802 9803	L82L5M9777977 L82L7M9777978	2	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9806 9806	L82L7M9777981 L82L7M9777981	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9810 9810	L82LXM9777991 L82LXM9777991	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9812 9812	L82L3M9777993 L82L3M9777993	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9829 9832	L82L4M9778022 L82LXM9778025	4	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9841 9841	L82L6M9778040 L82L6M9778040	1	E	NYCT	US	PLB	TD	40	x	
New York City Transit New York - NYCT	LD64	9844 9844	L82L1M9778043 L82L1M9778043	1	E	NYCT	US	PLB	TD	40	x	

# Service Instruction

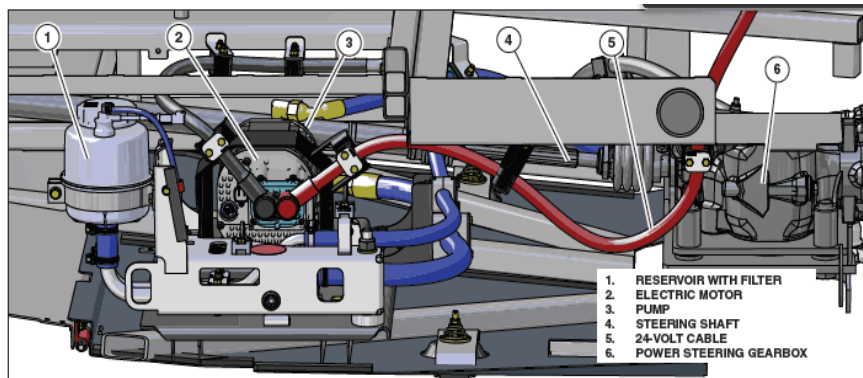
## QJ 7621- 2368 - 24V Electric Steering Hydraulic Issues

### GENERAL INFORMATIONS

Document	REV	Date	By
SERVICE INSTRUCTIONS 7621-2368 (Check hydraulic oil level and fill it if necessary) V1	1	2021-09-15	Mores, James

### SYSTEM and PARTS:

System Name	24V Electric Steering Hydraulic
Option	409347.08
Drawing	409347NB08
Part	N94323



#### Reason for Modification / Background:

Procedure to check hydraulic oil level and fill it if necessary. This objective of this procedure is to eliminate the risks of incorrect hydraulic oil levels in the reservoir at buses.

### MATERIAL

Item	QTY	PART NO	REV	DESCRIPTION	REPLACES PART N°
<b>LEVEL 1</b>					
1	n/a	n/a	n/a	n/a	n/a
2					
3					
<b>LEVEL 2</b>					
	0.4 Ltr	N30283	n/a	Castrol Transynd Synthetic Transmission Fluid	n/a

SRT	Type	Time
	Visual Inspection	0,1 hour (open door side and do the inspection)
	Inspection and Fill	0,25 hours (inspection and fill the reservoir)

### SPECIAL INSTRUCTION / IMPORTANTE NOTICE

No	Tools Needed:
1	Tool to hexagon SCREW M8
2	Square socket 8mm
3	Square Socket 7 mm or Square Head 8 mm (for door side)

## DESCRIPTION / WORK INSTRUCTION

### Level One :

#### Step # 1:

Description:

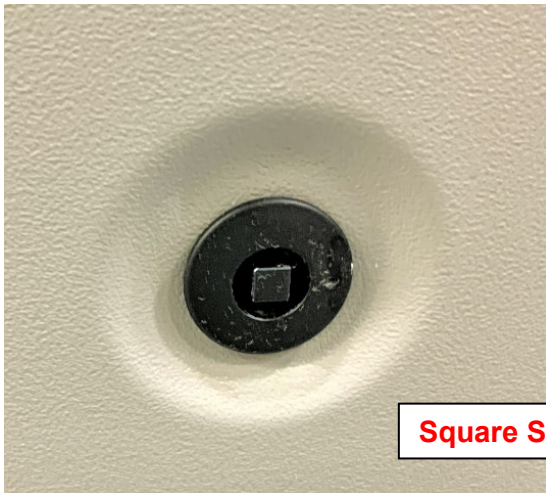
Open the side door like the picture shows.



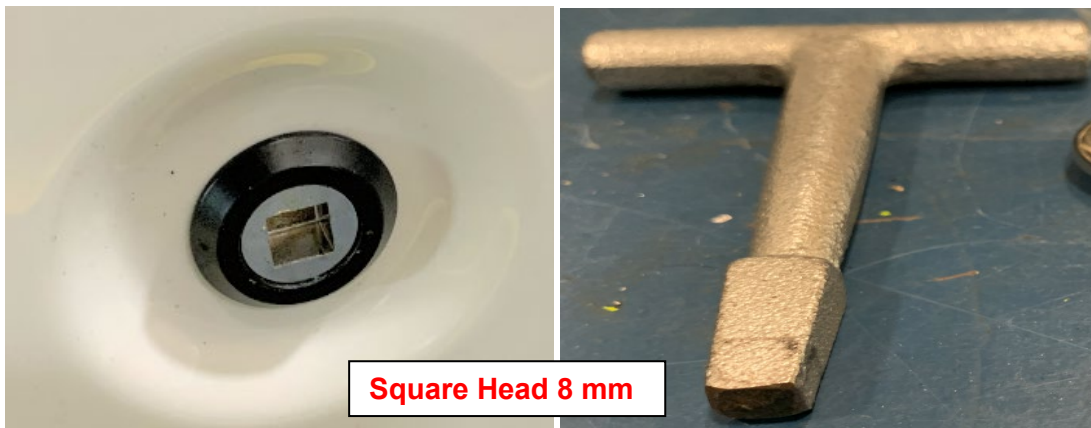
#### Step # 2:

Description:

depending on the model of bus it may be necessary to use the tool Square Socket 7 mm or Square Head 8 mm. (see the pictures please)



**Square Socket 7 mm**

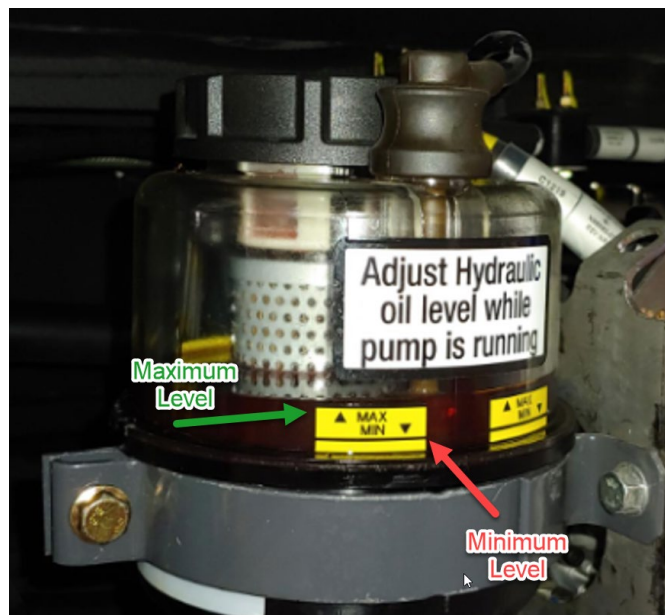


**Step # 3:**

**Description:**

Do a visual inspection the hydraulic oil level into the reservoir. **If the oil level is below of the minimum line, it is necessary to fill (level 2).** If the oil level is between the minimum line and maximum line, it is OK.

Observation: If the oil level passes a little step of maximum line but it is close it is not an issue.



**Step # 4:**

**Description:**

If it is correct Close the door side with the tools, a value of torques is not required. Just make sure it is also closed properly.

If is not correct follow the next steps please.

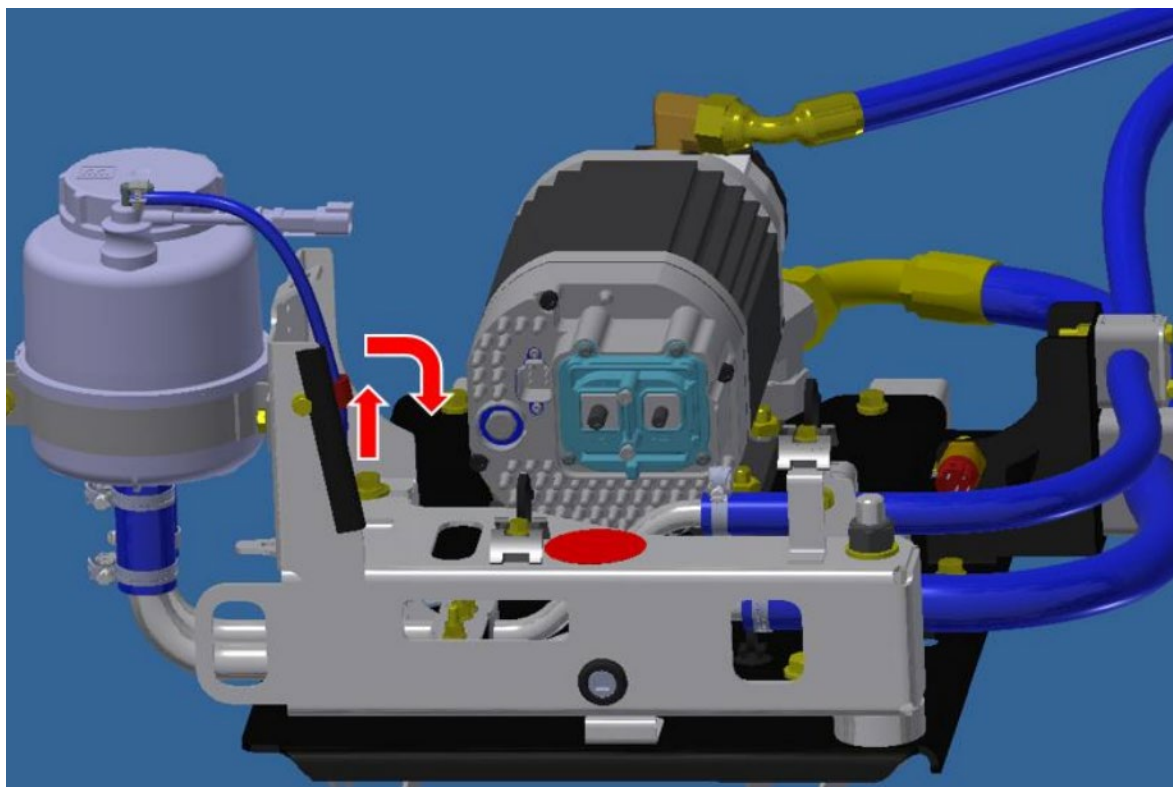
## Level Two :

### **Step # 5:**

#### Description:

To access the hydraulic reservoir, it is necessary to open a drawer it consists to rotate moving arm toward the exterior of the bus.

Unscrew the following bolt as necessary to be able to rotate it to its horizontal position and unlock moving arm (Picture 1). Use the hexagon SCREW M8 tool in this time.



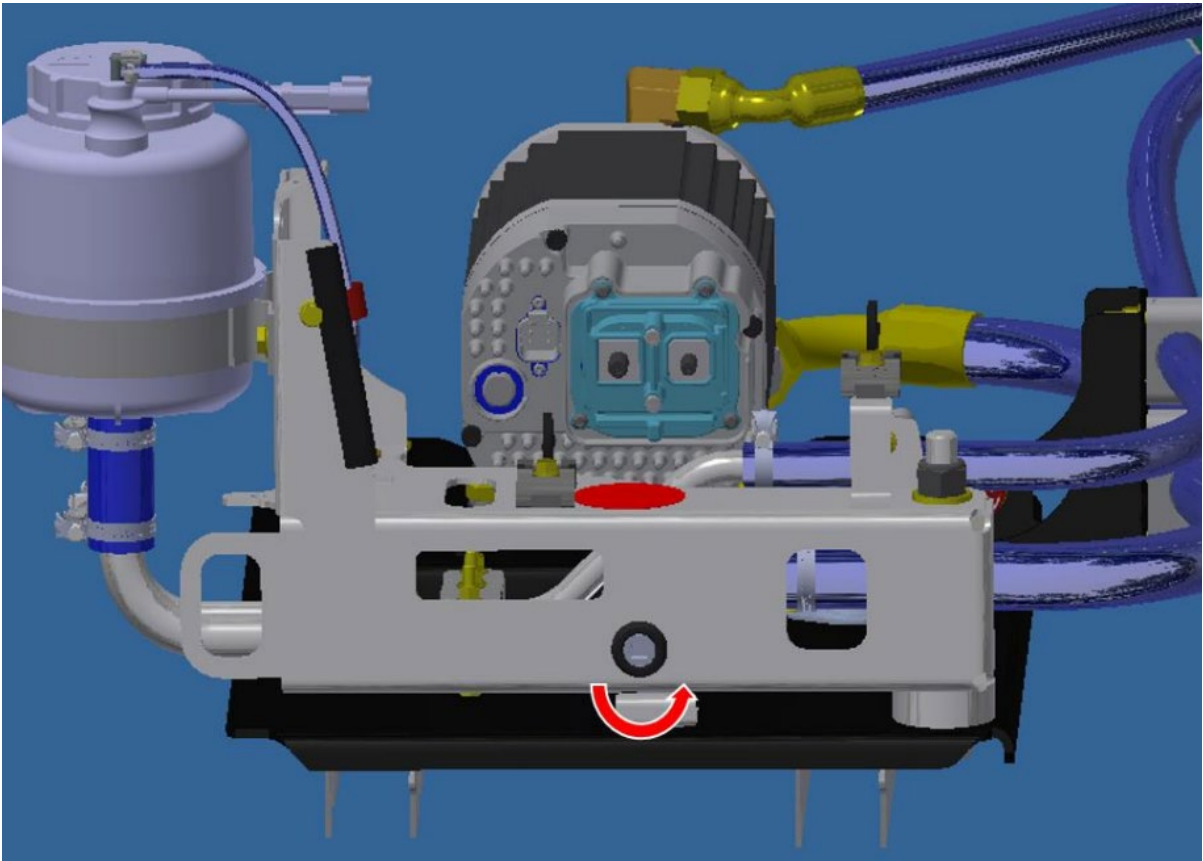
Picture 1

### **Step # 6:**

#### Description :

Rotate Locking device for a quarter turn in counterclockwise direction to unlock moving arm (Picture 2).

Use the Square socket 8mm tool in this time.



Picture 2

**Step # 7:**

Description:

Rotate Moving arm toward the exterior of the bus (Picture 3)



Picture 3

Service Instruction  
QJ#:

**Step # 8:**

Description:  
Open Hydraulic reservoir by removing reservoir cap (Picture 4).



**Picture 4**

**Step # 9:**

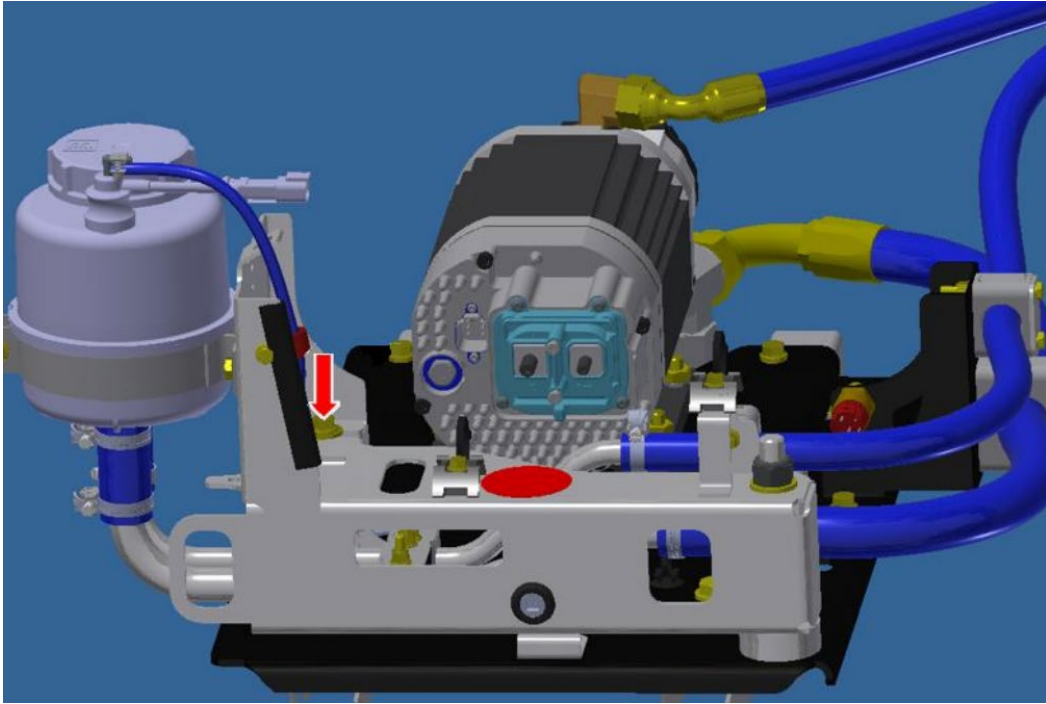
Description:  
Fill **slowly** with Castrol Transynd Synthetic Transmission Fluid up to the oil level is stable at maximum line.  
Once oil level is stable at maximum line, reinstall oil tank cap.

**Step # 10:**

Description:  
Rotate moving arm to its original position inside the Power steering compartment until locking Mechanism on moving arm secures it in place.

**Step # 11:**

Description:  
Put back following screw in its locking position and torque it to  $32 \pm 2$  N-m (Picture 5).



Picture 5

**Step # 12:**

Description:

Carefully clean all traces of fluid on the vehicle to prevent appearance of a leak during further vehicle Assembly and perform a visual check of hydraulic lines and connections in the e-steering compartment to detect potential leaks.