



# INSTRUCTION TO SERVICE

ITS61155		September 24, 2024
<b>SECTION:</b>	292-Electrical Harnesses	
<b>SUBJECT:</b>	Circuit Breaker Power Cables Torque Inspection	
<b>ISSUE:</b>	Torque inspection of battery compartment circuit breaker cables	
<b>SUMMARY:</b>	Follow the instructions to inspect torque. If found loose, torque to the correct spec.	

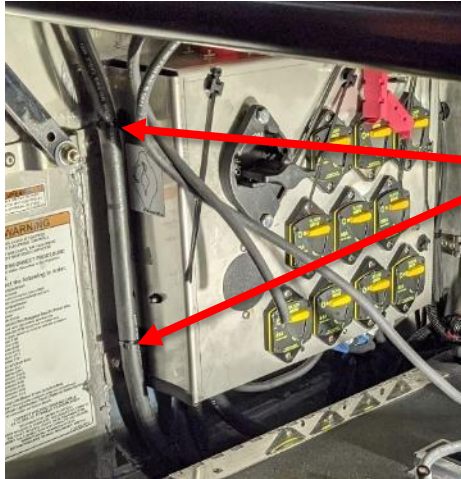
# ITS61155

Ref. NHTSA Recall No.	Ref. Transport Canada Recall No.
Not Applicable	Not Applicable

**THIS ITS DOCUMENT SHOULD BE RETAINED AND REFERRED TO FOR FUTURE MAINTENANCE UNTIL THE PARTS AND/OR SERVICE MANUAL IS UPDATED TO REFLECT WORK DONE AS A RESULT OF THIS DOCUMENT. ENSURE THAT THIS DOCUMENT IS AVAILABLE FOR PARTS AND MAINTENANCE STAFF GOING FORWARD.**

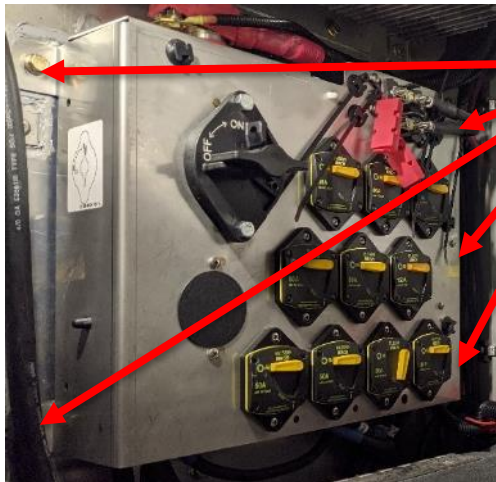
## PROCEDURE:

1. Set park brake and chock wheels.
2. Turn the main battery disconnect switch to the "OFF" position.
3. Cut and remove tyrap securing the battery ground to the left side of the CB assembly.



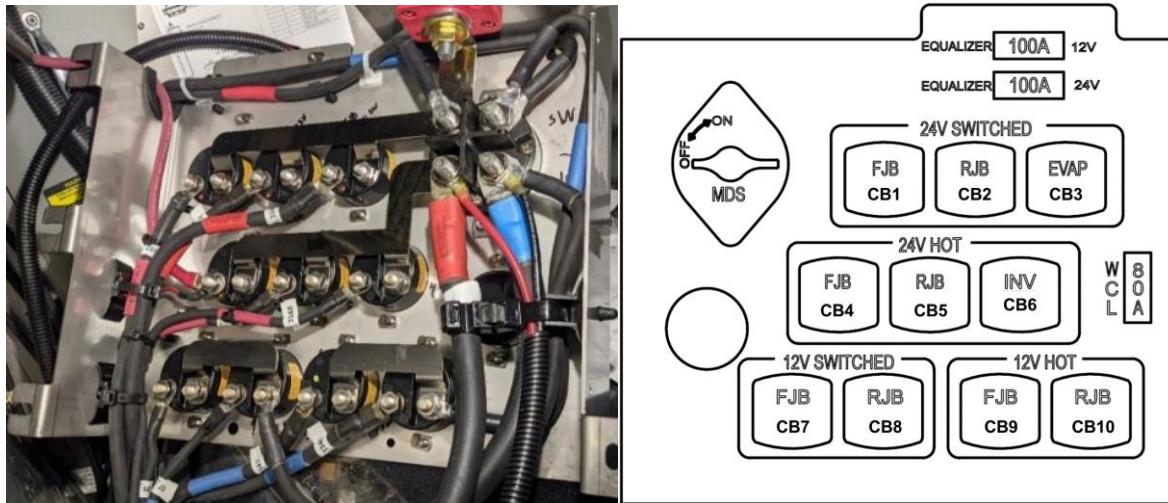
Cut the tyrap

4. Remove and save the bolts securing the circuit breaker assembly.



Remove and save bolts

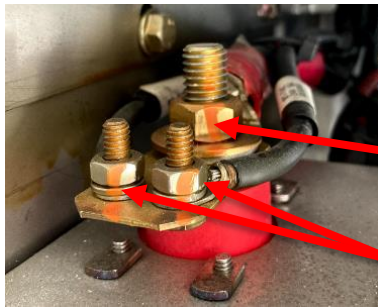
5. Confirm torque on the studs using the reference connection chart below.



Source	Source Wire ID	Description	Target	Description	Torque Rating
J25	07-09-1812	12 SW EQ	BT-T125	BT-F25	36-40 IN-LBS
J26	07-09-1811	24 SW EQ	BT-T126	BT-F26	36-40 IN-LBS
J27	07-09-1815	24 HOT INV (OPTION)	BT-T516	CB6	70-75 IN-LBS
J27	07-08-2627	BATT CHARGER	BT-T516A	CB6	70-75 IN-LBS
J27	-	AMEREX (INLINE Fuse)	BT-T516	CB6	70-75 IN-LBS
J36	07-09-1814	EVAP 24V SW	BT-T513	CB3	70-75 IN-LBS
J38	07-09-1803	RJB 24V SW	BT-T512	CB2	70-75 IN-LBS
J39	07-09-1805	FJB 24V SW	BT-T511	CB1	70-75 IN-LBS
J40	07-09-1807	RJB 24V HOT	BT-T515	CB5	70-75 IN-LBS
J41	07-09-1809	FJB 24V HOT	BT-T514	CB4	70-75 IN-LBS
J42	07-09-1804	RJB 12V SW	BT-T518	CB8	70-75 IN-LBS
J43	07-09-1806	FJB 12V SW	BT-T517	CB7	70-75 IN-LBS
J44	07-09-1808	RJB 12V HOT	BT-T520	CB10	70-75 IN-LBS
J45	07-09-1810	FJB 12V HOT	BT-T519	CB9	70-75 IN-LBS
-	0045	FUSE BLOCK A	BT-T3B	24V HOT MDS	150 IN-LBS
-	0050	FUSE BLOCK B	BT-T4B	EC PWR BUSBAR	65 IN-LBS
-	0048	FUSE BLOCK C1	BT-T1B	12V HOT MDS	150 IN-LBS
-	0047	FUSE BLOCK C2	BT-T4C	EC PWR BUSBAR	65 IN-LBS
-	07-09-1819	12V BATTERY	BT-T1C	12V HOT MDS	150 IN-LBS
-	07-09-1818	24V BATTERY	BT-T3A	24V HOT MDS	150 IN-LBS
BT-T4	07-09-2208	EC PWR STUD	BT-T4	EC PWR STUD	300 IN-LBS

Torque the remaining studs on circuit breakers to 70-75 In-Lbs

6. Confirm torque on BT-T4C and BT-T4B to be 65 IN-LBS. Confirm torque on the main power feeder to be 20-25 FT-LBS.



Torque to be 20-25 Ft-Lb

Torque to 65 In-Lb

7. Confirm torque on equalizer studs to be 40 IN-LBS.



Torque to be 40 In-Lb

8. Re-install the circuit breaker assembly using existing capscrews. Torque capscrews to 9 FT-LBS.



Re-install CB assembly

9. Secure the battery ground to the left side of the CB assembly using tyraps.



Secure ground cable using tyraps



<b>LABOUR ESTIMATE</b>				
	Operation	Number of Technician(s)	Hours	Labor Time T X HR
1	Circuit Breaker Power Cables Torque Inspection	1	1	1

<b>PARTS REQUIRED</b>					
Item	Part Number	Description	Qty. per Coach	Units	Notes
1			1	EA	

<b>SPECIAL TOOLS REQUIRED</b>					
Item	Part Number	Description	Qty.	Units	Notes
1					