



INSTRUCTION TO SERVICE

ITS: 6293	
SECTION:	221 Propulsion System
WRITTEN BY:	Kevin Robinson
SUBJECT:	Torque rooftop unit mounting bolts.

ITS6293

THIS DOCUMENT AND THE CONTENTS DISCUSSED HEREIN ARE THE CONFIDENTIAL AND PROPRIETARY INFORMATION OF NEW FLYER INDUSTRIES CANADA ULC AND NEW FLYER OF AMERICA INC. AND ARE DISCLOSED BY NEW FLYER IN CONFIDENCE. THIS DOCUMENT AND THE CONTENTS HEREIN ARE NOT TO BE DISCLOSED BY THE INTENDED RECIPIENT WITHOUT THE PRIOR WRITTEN AUTHORIZATION OF NEW FLYER. ANY UNAUTHOIZED DISCLOSURE, REPRODUCTION OR OTHER DISTRIBUTION OF THIS DOCUMENT OR INFORMATION IS STRICTLY PROHIBITED AND MAY RESULT IN ACTION BEING TAKEN AGAINST THE PARTY MAKING THE UNAUTHORIZED DISCLOSURE. THIS DOCUMENT AND ALL COPIES HEREOF MUST BE RETURNED TO NEW FLYER UPON REQUEST.

PROCEDURE:

1. Switch off power to the 600 VDC overhead lines and lower the current collector poles.
2. Turn off all electrical loads and set the Master Run switch to the STANDBY position.
3. Turn the main battery disconnect switch to the “OFF” position.
4. Access the rooftop RAC, RTC, Collector, and mini RAC units and torque the four mounting bolts per unit to 95 ft-lbs. Mini RAC units are only installed on 60 foot buses.

⚠ WARNING: DO NOT perform any maintenance on roof-mounted components unless the vehicle is a safe distance from the overhead power line, or that the overhead line is de-energized, grounded, and prevented from being re-energized.

⚠ WARNING: DO NOT perform any maintenance on roof-mounted components unless equipment is in place to prevent fall hazards. Use lift platforms or scaffolding whenever working on roof-mounted components. Ensure maintenance personnel use an approved safety harness when working on the roof of the vehicle.

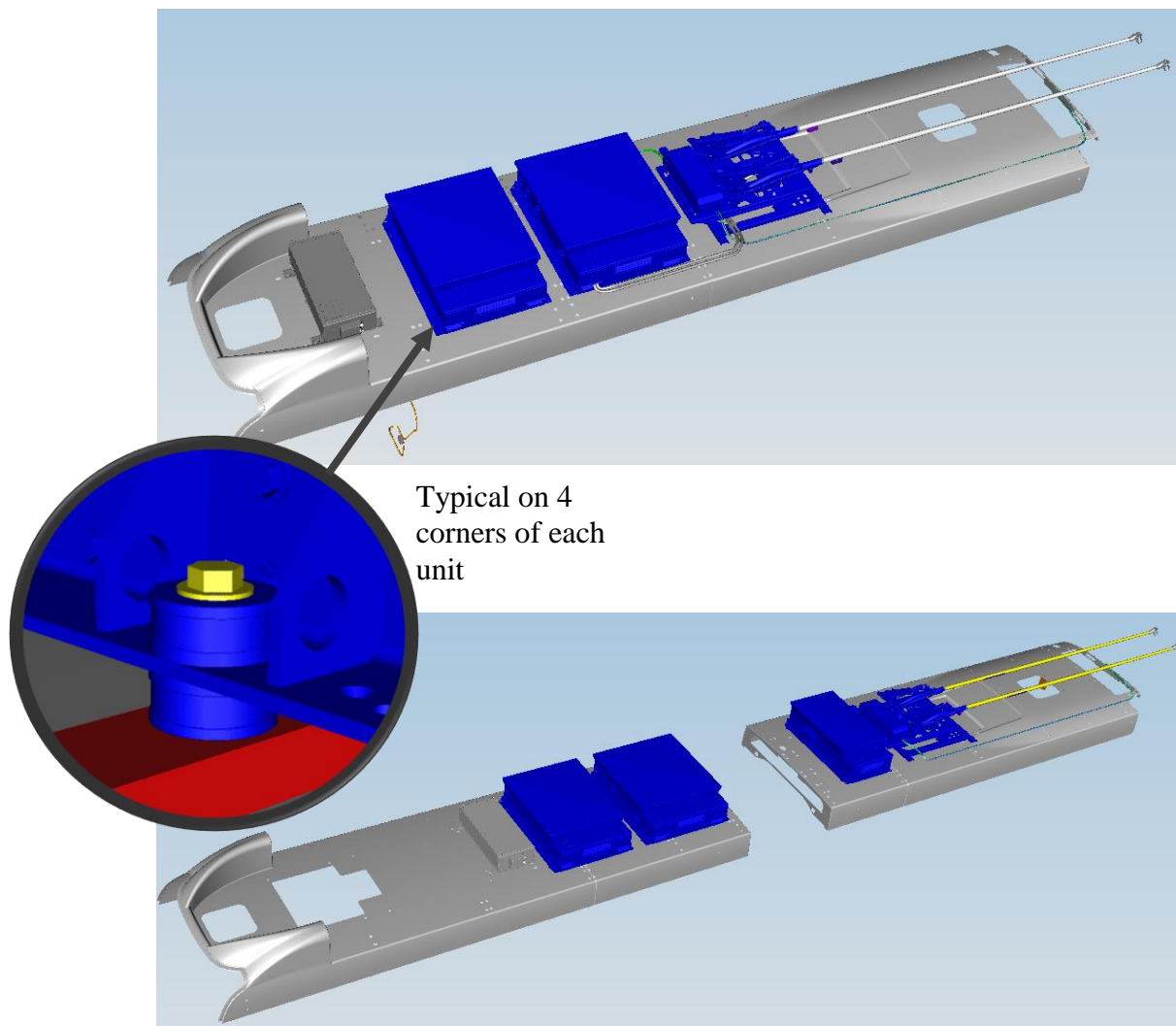


Figure 1: RAC, RTC, Collector, and mini RAC units on 40 and 60 foot trolley buses highlighted blue.



NEW FLYER

5. Remove all tools and debris and return the bus to service condition.
6. Turn the main battery disconnect switch to the “ON” position.



NEW FLYER

LABOUR ESTIMATE

	Operation	Men	Hours	Labour Time M X HR
1	40 foot bus - Torque rooftop unit mounting bolts.	1	1.0	1.0
2	60 foot bus - Torque rooftop unit mounting bolts.	1	1.25	1.25

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1		No parts Required			