



INSTRUCTION TO SERVICE

ITS: 6786

SECTION:	219 Engine and Transmission
WRITTEN BY:	Mike Pearson
SUBJECT:	Replace electric motor mounting bolts

ITS6786

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PROCEDURE:

1. Turn the main battery disconnect switch to the "OFF" position.
2. Go to the rear interior of the bus and using a flat 1/4" square key to turn the 1/4 turn latches (x4) and remove the rear access door assembly.

 **NOTE:** Each top mount bolt and washer (4 on each side) are to be removed, new bolt and washer installed and torqued one at a time before the next bolt is to be started.

3. Remove and discard one of the existing upper electric motor support bracket bolts with its associated washer. Apply a few drops of Loctite p/n 081034 to the bolt threads of new bolt p/n 727577 and reinstall the bolt with new washer p/n 20W08000 in the same threaded hole, torque bolt to 54 ± 5 ft*lbs.
4. Repeat Step 3 on the remaining top electric motor support bracket bolts (x7).

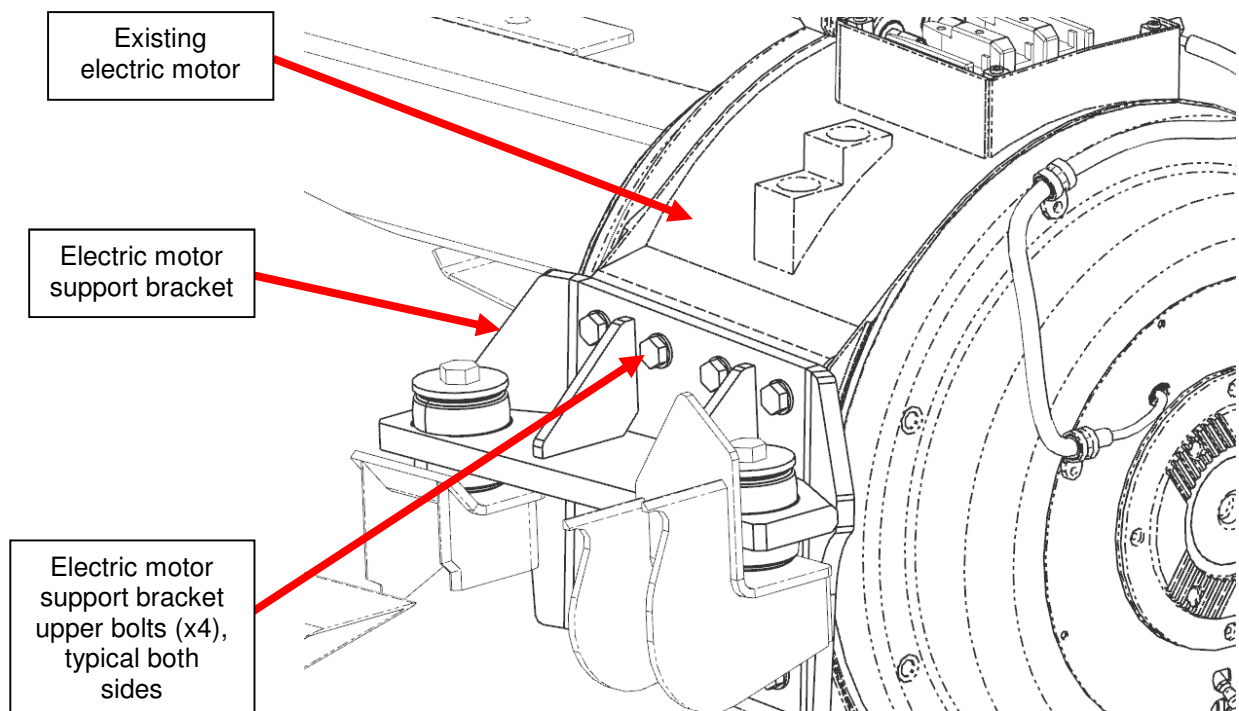


Figure 1: Electric Motor Support Bracket Upper Bolt Locations

5. Reinstall the rear access door assembly removed in Step 2.
6. If necessary, raise coach in accordance with the New Flyer Service Manual.

 **NOTE:** Each top mount bolt and washer (4 on each side) are to be removed, new bolt and washer installed and torqued one at a time before the next bolt is to be started.

7. Remove and discard one of the existing lower electric motor support bracket bolts with its associated washer. Apply a few drops of Loctite p/n 081034 to the bolt threads of new bolt p/n 727577 and reinstall the bolt with new washer p/n 20W08000 in the same threaded hole, torque bolts to 54 ± 5 ft*lbs.
8. Repeat Step 7 on the remaining top electric motor support bracket bolts (x7).

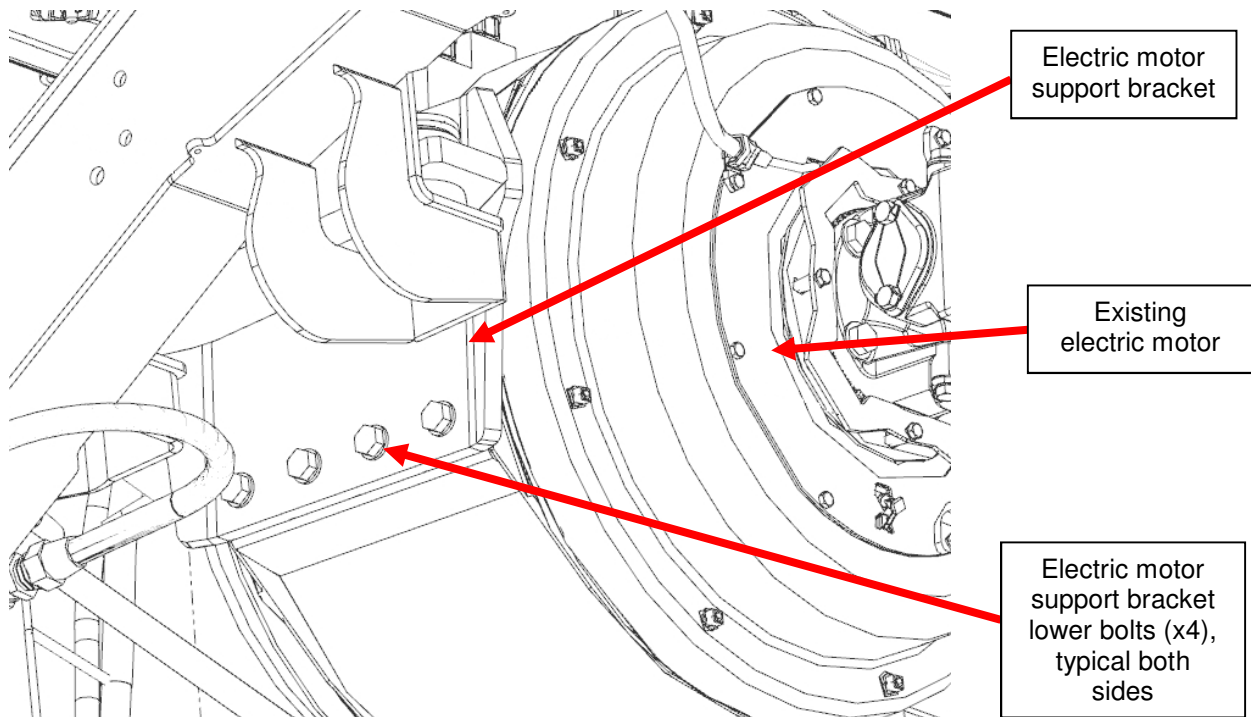


Figure 2: Electric Motor Support Bracket Lower Bolt Locations

9. If necessary, lower coach in accordance with the New Flyer Service Manual.
10. Remove all tools and debris and return the bus to service condition.
11. Turn the main battery disconnect switch to the "ON" position.



LABOUR ESTIMATE

	Operation	Men	Hours	Labor Time M X HR
1	Replace electric motor mounting bolts	1	1.5	1.5

PARTS REQUIRED

Item	Part Number	Description	Qty. per Coach	Units	Notes
1	727577	Washer-M12 x 24 x 2.5 Zinc Hard	16	EA	
2	069376	Bolt-M12 x 1.75 x 35 CL10.9	16	EA	