

42BRT: Roof Cap Bolt Addition



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Property and Top Bus Number: Broward 60BRT 295000 and 42BRT 303000



Issue: Roof cap bolts addition

Solution: Add bolts per this work instruction

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Number of affected buses: 1150-1159 and 1161-1168

Estimate repair hours/bus: 30 minutes

Necessary parts:

BOLT, M8-1.25x30, HEX, 10.9,	NABI Part #: 22M0812530109 ,	4/bus,
Washer, lock, M8,	NABI Part #: 25M08 ,	4/bus,
Washer, square, 2"x3"x3/16", AL,	NABI Part #: NPN ,	4/bus,
LOCTITE 246, 1.69 FL OZ/50mL,	NABI Part #: 5033332 ,	as required,

Necessary tools: usual hand tools (13 mm socket, ratchet), torque wrench capable to 15 lb-ft.

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SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS.

1. Park the bus and apply the parking brake.
2. Turn off main battery disconnect switch(es).
3. Go to the roof and locate the front roof cap panel. Follow safety precautions when working on the roof.



4. There are four access holes on the roof cap. Underneath each opening there is a M8 threaded hole in the frame.
5. If there is a bolt in the frame then remove bolt.
6. Inspect threads and clean them with an M8x1.25 thread tap if required.
7. Add the 3/16" thick 2"x3" size square washer, M8 lock washer and apply Loctite 246 to the first 3 threads of the new M8x1.25-30 Class 10.9 (grade 8) bolt.



8. Install bolt and torque it to 15 lb ft.
9. Record bus number, mileage, date of completing and the name of technicians who completed the work.