

**DART –
Engine Cooling System Fan Controller**

SB-10056617-5741



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Property: DART

Top Bus Number: 304500 – 306500 (40-LFW and 31-LFW Models)

Issue: Engine cooling system fan controllers are failing – controllers are shutting down.

Reason/ cause: Controller issues were determined by Modine.

Solution: Replace the Modine Gen 1 controller with a Modine Gen 2 controller.

**DART –
Engine Cooling System Fan Controller**



Number of affected buses: 186

Estimate repair hours/bus: 30 min.

Necessary Parts:

Item	Description	Part Number	Quantity
1	Modine Fan Controller - Gen 2	5A077680	1

Necessary Tools / Supplies:

10mm deep socket
¼ inch socket
Ratchet

DART – Engine Cooling System Fan Controller

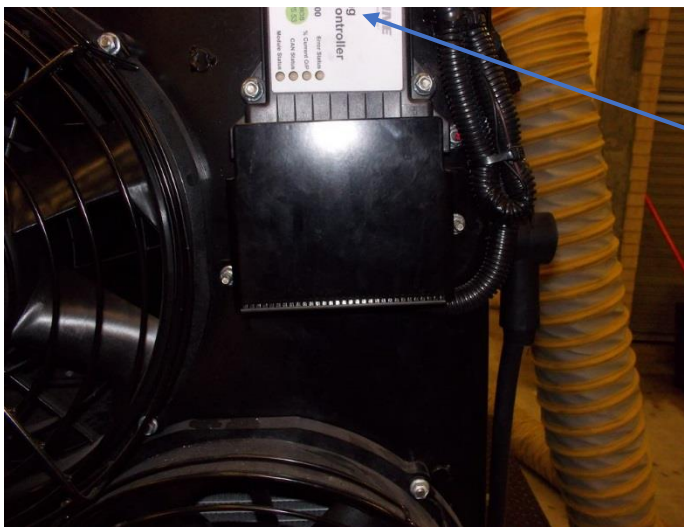


SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS

1. Park the bus on level surface and apply parking brake. Turn of the engine.
2. Turn off the batteries.
3. Locate the fans on the street side rear of the bus. Access by opening the door.



4. Locate the controller on the right side top corner by the fans.

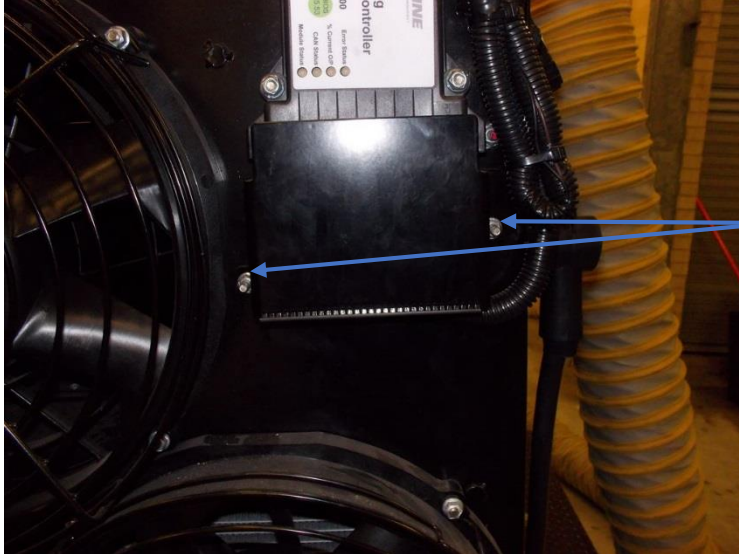


Modine fan
controller to be
replaced

DART – Engine Cooling System Fan Controller



5. Remove the cover by removing the 2 – 10mm nuts at bottom of controller. Set cover aside.



Remove these two nuts
and remove cover. Set
cover aside.

6. Remove the two 10 mm nuts at top of the controller. Remove controller and remove harnesses.

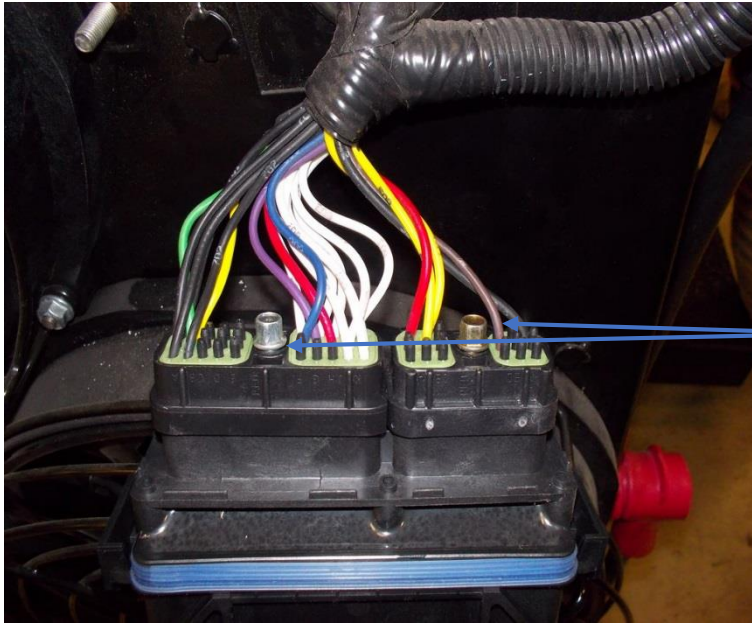


The two nuts at the
top of controller.

**DART –
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7. Use a ¼ inch socket and remove the harnesses.



Remove the
harnesses by
loosening screws

8. Install the harnesses in the new controller by tightening the screws. Install the new controller using two 10mm nuts at the top of controller. Discard the unused cover.
9. Remove tools and check for completeness of work.
10. Turn-On the batteries.
11. Record bus number, mileage and date of completion. Return the form to Field Service Manager.