

NABI: WMATA – Duraflex Exhaust Connector Installation



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Property and TopBus Number:
WMATA 325000 & 325500 – 8001 thru 8105.

Issue: Vibol Exhaust Connector

Reason/ cause: Vibol exhaust connector is too rigid

Solution: Replace existing Vibol connector with Duraflex connector

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Number of affected buses: 105

Estimate repair hours/bus: 2.00

Necessary parts:

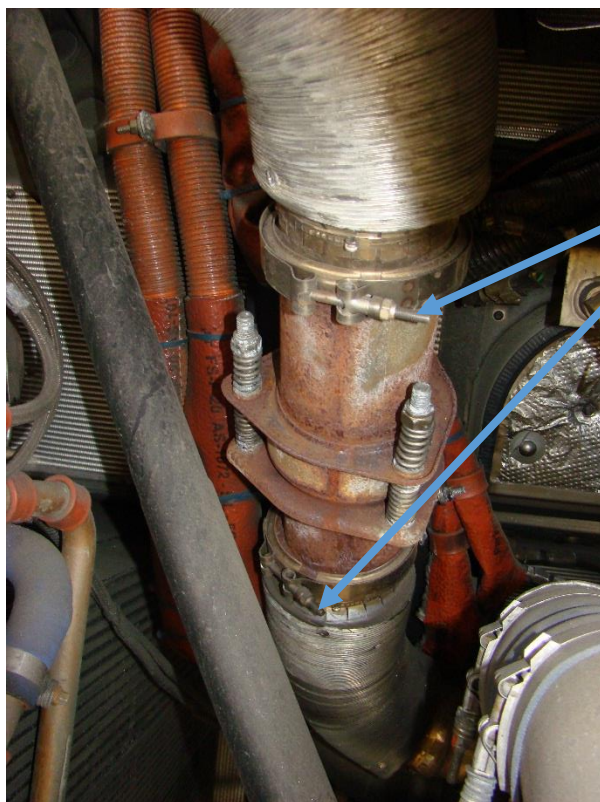
Item	Description	PN	Qty
01	Duraflex 4" OD x 10" Length	500-1408-080	1
02	4 1/2" ID V-Band Clamp	511-1408-003	1
03	Gasket	10C-1408-016	2
04	Clamp, Exhaust, V-Band Clamp	0111613	AR
05	PIPE, EXH, TURBO, BRT	42H-1408-001	AR
06	Exhaust Blanket	634-8111	1

Necessary Tools / Supplies:

Basic hand tools
Inch Lb Torque Wrench

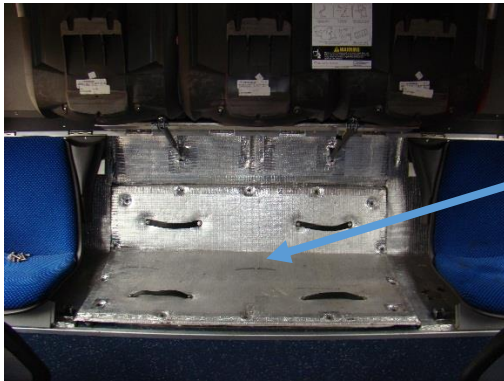
SAFETY PRECAUTIONS MUST BE FOLLOWED ACCORDING TO ACCEPTED INDUSTRY STANDARDS AND LOCAL/PROPERTY REQUIREMENTS

1. Park the bus on level surface and apply parking brake. Turn engine off.
2. Turn off the main battery disconnect switch.
3. Open the rear engine door.
4. Position the rear run switch to “off” so the vehicle cannot be started while performing this retrofit.
5. Locate & remove the two clamps fastening the existing Vibol connector (see below). Discard the Vibol connector & existing gaskets, clamps will be reused during reinstallation.



6. Lift the rear cross seat & secure.

7. Remove the bolts fastening the engine access cover (see below) & remove cover from the work area.



8. Locate, remove & discard the clamp at the turbo outlet elbow (see below). Inspect the exhaust elbow, if flange is damaged it must be replaced.



9. Install a new clamp to the turbo outlet elbow & hand tighten.

10. Install Duraflex connector & new gaskets to the location the Vibol connector was removed using the clamps removed in step 5 (see below). Tighten the clamps to 75 inch lbs.



11. Tighten the turbo outlet elbow clamp to 75 inch lbs.

12. Install the exhaust blanket to the Duraflex connector as shown below (see below). Fasten using attached clasps, seam should face rear of vehicle.



13. Clean up any debris caused by performing this retrofit.
14. Turn the rear run switch to “normal”, turn on the main battery switch & start the vehicle.
15. Check all affected connections for any exhaust leaks & repair if needed.
16. Turn off the vehicle.
17. Reinstall the engine access cover that was removed in step 7 using the existing hardware.
Tighten the hardware securely.



18. Lower the rear cross seat.

19. Close the rear engine door.

20. Record bus number, mileage and date of completion; return form to Field Service Manager