



North American
Bus Industries, Inc.

October 8, 2012

Mr. Rob Lurie
Director of Maintenance
Gold Coast Transit
301 East 3rd Street
Oxnard, CA 93030

Subject: Retarder Settings for Gold Coast NABI 35-LFW Buses

Dear Mr. Lurie:

This correspondence is in response to a request from Gold Coast Transit to reset the retarder setting on certain 2009 NABI 35-LFW buses to the highest retardation torque of 1,600 lb-ft. As understood, the resetting of the retarder is based on the desire by Gold Coast to enhance the wearable surface service life of the air disc brake components.

The following is a list of units that applicable to retarder resetting:

Fleet #	VIN	Transmission S/N	Date of Final Acceptance
3500	1N90351318A140660	6510864237	27-May-09
3501	1N90351338A140661	6510864238	27-May-09
3502	1N90351358A140662	6510863005	27-May-09
3503	1N90351378A140663	6510864236	27-May-09
3504	1N90351398A140664	6510864166	27-May-09
3505	1N90351308A140665	6510864164	27-May-09
3506	1N90351328A140666	6510864240	27-May-09
3507	1N90351348A140667	6510864239	27-May-09
3508	1N90351368A140668	6510864165	21-Jul-09
3509	1N93513339A140268	6510915995	13-Apr-10
3510	1N93513359A140269	6510917765	13-Apr-10
3511	1N93513319A140270	6510917761	13-Apr-10
3512	1N93513339A140271	6510917766	30-Mar-10
3513	1N93513359A140272	6510917764	30-Mar-10
3514	1N93513379A140273	6510921833	30-Mar-10
3515	1N93513399A140274	6510921834	30-Mar-10
3516	1N93513309A140275	6510921836	13-Apr-10

NABI's test engineer, Dave Imboden, performed a cooling test on Fleet Number 3500 and determined the cooling system has the capacity to perform up to a Limiting Ambient Temperature (LAT) of 120° F under the rigorous cooling test protocol published by Allison Transmission. The performance of any vehicle's cooling system is greatly affected by the efficiency of the heat exchanger and, to enable the cooling system to perform at peak capability, NABI strongly recommends pressure washing the radiator and charge air cooler on a regular basis following the procedures in Section 9 of the maintenance manual.

High transmission retardation forces are transmitted through the rear drive axle. These higher retarder loads will be reacted by the carrier assembly and gear components.

NABI Engineering confirms the requested change meets Allison and Meritor's component application guidelines. However, NABI neither expresses nor implies any warranty change as a result of resetting the retarders from the as-built settings.

I hope the information provided is useful for your operational needs. Please contact me if you have any questions.

Sincerely,



David C. Warren

Senior Vice President – Engineering, Field Service and Warranty
256-473-3246

cc: James Shropshire
Dave Imboden
Jon Hammett
Steve Spence
Bill Coryell

Attachment: Test Report – Transmission Cooling Test Dated August 29, 2012