



BLUE BIRD

JUNE 29, 2007

TO: AFFECTED NORTH AMERICAN DEALERS

**SUBJECT: SERVICE BULLETIN S07LV CHARGE AIR COOLER HOSE
CLAMPS**

MODELS

**AFFECTED: CERTAIN 2008 MODEL YEAR ALL AMERICAN REAR ENGINE
BUSES EQUIPPED WITH CUMMINS ISC-07**

On certain 2008 model year Blue Bird All American rear engine buses equipped with Cummins ISC-07 engines the charge air cooler hose clamps may not have been properly installed or tightened to the correct torque value. All charge air cooler hose clamps must be inspected and torque values checked according to the instructions provided in Service Bulletin S07LV. Copy attached.

Labor time required to inspect and properly position tighten clamps to correct torque value is 0.5 hours (30 minutes) per bus.

A printout of your buses affected by Service Bulletin S07LV is enclosed.

Service Bulletin S07LV is being mailed to distributors only.

Service Bulletin S07LV expires one (1) year from date of issue.

Questions regarding Service Bulletin S07LV should be directed to your Blue Bird Service Representative.

Sincerely,

Bill Coleman
Blue Bird Corporation
478-822-2242
wpcolema@blue-bird.com

BLUE BIRD CORPORATION
P.O. Box 937 • Fort Valley, Georgia 31030
Phone: (478) 825-2021



CAC Hose Clamps *BULLETIN*

MODELS AFFECTED: A3RE All Americans w/Cummins ISC-07 Engines

ISSUE

The Charge Air Cooler (CAC) hump hose may blow off from the elbow at the turbo outlet.

CORRECTIVE ACTION

Check to be sure that all CAC hoses are installed correctly and re-torque to 60 in. lb. +/- 5 in. lb.

WARNING Always follow all Federal, State, Local, and Shop safety standards and use proper safety equipment when performing these procedures.

PROCEDURE

1 Park vehicle on a level surface, apply parking brake, turn engine off, remove ignition key and chock wheels.

2 Disconnect battery or Raise the rear engine hood door and turn the switch to OFF position (non run position).

CAUTION Wait until the engine and engine components have cooled to ambient temperature.

3 Inspect the Charge Air Cooler Air Intake System to ensure that all Hump Hoses are installed past the knurl on the CAC Connection and on the CAC Tubes. In order to achieve a constant torque the clamp must be installed as shown.

4 Inspect the 90 Degree Elbow Hose to ensure that it is installed past the knurl on the CAC Tube and on the engine air intake elbow. In order to achieve a constant torque the clamp must be installed as shown.

5 Inspect the Hump Hose at the turbo outlet elbow to ensure that it is installed past the knurl on the CAC Tube and on the turbo outlet elbow. In order to achieve a constant torque the clamp must be installed as shown.

6 If any connection is installed crooked or the clamp is not installed fully over the CAC tube and beyond the knurl, then loosen the clamp, reinstall the hose and re-torque the clamp to 60 in. lb. +/- 5 in. lb.

7 Re-torque all ten (10) clamps to 60 in. lb. +/- 5 in. lb. If the clamp has been torqued to a higher torque than 60 in. lb. +/- 5 in. lb, then loosen the clamp and re-torque to 60 in. lb. +/- 5 in. lb. If the clamp has been damaged because of over torque, then replace with a new constant torque clamp and tighten to 60 in. lb. +/- 5 in. lb.

8 After all the Charge Air Cooler hoses and clamps have been checked and re-torqued, return the bus to service.

S07LV

S E R V I C E B U L L E T I N



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