



May 15, 2007

Dear Blue Bird Owner,

You will find enclosed a copy of Service Bulletin S07LR regarding the engine air intake tube on 2007-2008 model year Blue Bird All American front engine buses equipped with Cummins ISB-02 engines.

The elbow that connects the 1/4" air restriction indicator line to the air intake tube may contact the stepwell. Should this occur, the elbow may break off and permit unfiltered air to enter the engine. To eliminate this condition, Service Bulletin S07LR provides for a new air intake tube with the air restriction indicator line elbow oriented away from the stepwell.

Your buses affected by Service Bulletin S07LR are identified by Blue Bird body number on the enclosed cover sheet.

Labor time required to perform Service Bulletin S07LR is one (1) hour per bus. A qualified repair technician should perform Service Bulletin S07LR. Parts required are available from your usual Blue Bird Service Parts source.

Service Bulletin S07LR expires one (1) year from date of issue.

Should you have any questions concerning this bulletin, please contact your Blue Bird dealer or factory service representative.

Sincerely,

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Fort Valley GA 31030  
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# Air Intake Tube BULLETIN

MODELS AFFECTED: A3FE All Americans w/Cummins ISB02 Engines

## ISSUE

The elbow connecting the 1/4" air restriction indicator tube to the air intake tube may contact the stepwell.

## CORRECTIVE ACTION

Replace the existing air intake tube with a new air intake tube which diverts the elbow away from the stepwell area.

**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** The air cleaner is located between the stepwell and the chassis frame rail. See diagram, page 2.

- 2.1 Using a 7/16" deep well socket, loosen the lower clamp that secures the rubber elbow to the air cleaner.
- 2.2 Unsnap the two band clamps and remove the air cleaner.

**3** Disconnect the 1/4" black plastic tubing from the brass elbow on the air intake tube by holding the collar and pulling the tube.

**4** Loosen the upper clamp that secures the air intake tube to the turbo boot. Remove air intake tube and lower rubber elbow assembly together.

**5** Tube and elbow disassembly:

- 5.1 Loosen the clamp that secures the air intake tube to the rubber elbow.
- 5.2 With a 7/16" open end wrench, remove the brass elbow from the air intake tube.
- 5.3 Discard the original air intake tube.

**6** New air intake tube assembly:

- 6.1 Clean all loose sealant and contamination from the brass elbow.
- 6.2 Apply Teflon tape to threads and install in new air intake tube. Position brass elbow so that it points in general direction of engine hood opening when assembly is installed on bus.
- 6.3 Assemble new air intake tube and rubber elbow with clamp; do not tighten clamp.

**CAUTION** Do not cover the end of the brass elbow with tape; tape must not enter the air intake system. Do not allow contaminants to enter the system during installation on bus.

**7** Reinstall assembly by reversing steps two thru four. Do not tighten clamps.

**8** Insert the 1/4" black plastic tubing into the brass elbow.

**9** Reinstall the air cleaner.

**10** After the entire assembly has been installed, recheck all connections to ensure that rubber elbows and clamps are positioned beyond the knurls on the tubes and that the lower elbow is against the air cleaner. After all the connections have been checked, tighten all clamps.

**11** Place bus back into service.

## PARTS LIST

| PART NUMBER | QUANTITY | DESCRIPTION                                   |
|-------------|----------|---|
| 0115962     | 1        | Tube, Air Intake, 5.00 Cummins ISB02, Service |

S07LR

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

