CSC-10043401-2509

BLUE BIRD

April 15, 2010

Dear Blue Bird Owner,

On certain 2010 model year Blue Bird Vision model buses equipped with a GM 8.1 propane engine, GM eliminated the heat shield for the GM knock sensor. As a result, the knock sensor may fail due to excessive heat. If the knock sensor should fail, the service engine light will illuminate.

To prevent this condition a protective heat sheath must be installed over the GM knock sensor on units missing the GM heat shield or a protective heat sheath. Instructions for installing the protective heat sheath are provided in Service Bulletin S10RN. A copy is attached.

Your buses affected by Service Bulletin S10RN are indicated by Blue Bird body number on the enclosed cover sheet.

Time allowed to install the protective heat sheath is 0.2 hours (12 minutes) per bus.

The protective heat sheet and retaining clamp must be ordered through your Blue Bird dealer. Parts are anticipated to be available in limited quantities on or about April 26, 2010.

You may contact your Blue Bird dealer to arrange to have Service Bulletin S10RN performed. Or, if you prefer, you may perform the modification yourself or have a qualified repair facility convenient to you perform Service Bulletin S10RN. A qualified technician should perform this procedure.

Service Bulletin S10RN ends one (1) year from date of issue. Claims for repairs performed after the end date cannot be submitted to Blue Bird.

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

Sincerely,

Bill Coleman

Bill Coleman
Engineering Services
Blue Bird Corporation
478-822-2242

BLUE BIRD

GM 8.1 Knock Sensor BULLETIN

MODELS AFFECTED: 2009 & 2010 Propane Visions

S10RN SERVICE BULLETIN

ISSUE

The GM knock sensor may fail due to a heat shield having been eliminated on some GM 8.1 engines.

CORRECTIVE ACTION

Inspect knock sensor and install a heat sheath if neither heat shield nor heat sheath is not present.

PROCEDURE ALWAYS READ THE ENTIRE PROCEDURE BEFORE PERFORMING

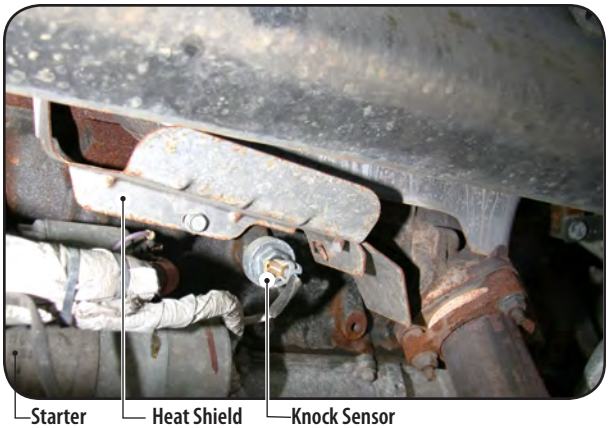
WARNING ***Always follow all federal, state, local, and shop safety standards and use proper safety equipment when performing this procedure.***

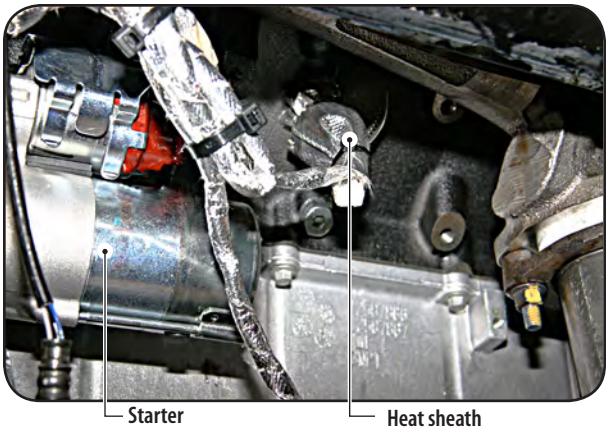
1 Park vehicle on level surface. Apply the parking brake. Remove key and chock wheels.

1.1 Unlatch and open the engine hood.

2 Locate and inspect knock sensor. Sensor is located on the right side of the engine block, above and forward of the starter and below the exhaust manifold.

- If either heat shield or heat sheath is present, no action is needed; close and latch engine hood and return bus to service.
- If neither heat shield nor heat sheath is present, proceed to next step.





3 Disconnect the vehicle batteries.

4 Install protective sheath to knock sensor, as follows:

4.1 Disconnect sensor harness from knock sensor.

4.2 Slide heat sheath onto sensor harness and place clamp over sensor on engine.

4.3 Reconnect sensor harness to sensor, slide heat sheath over knock sensor and electrical connection all the way to the engine block.

4.4 Position clamp over heat sheath between sensor body and sensor mounting boss. Do not clamp on top of sensor body.

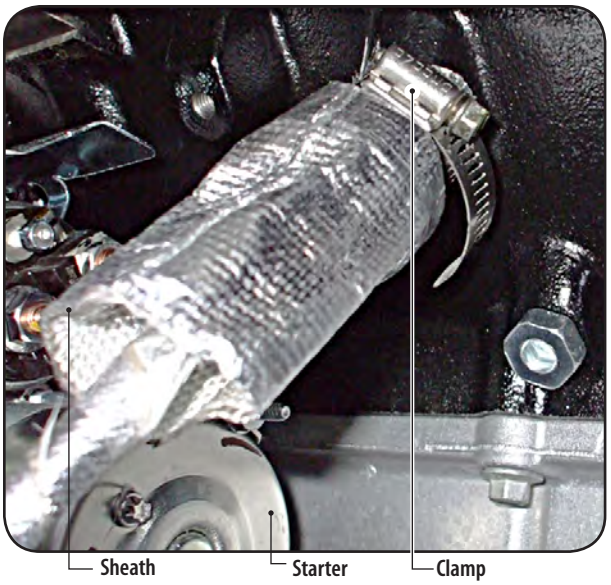
4.5 Tighten clamp. Do not over-tighten clamp as damage to knock sensor may occur.

5 Complete the installation, as follows :

5.1 Close and latch engine hood.

5.2 Reconnect batteries.

5.3 The procedure is complete and the bus may be returned to normal service.



PARTS

PART NUMBER	QUANTITY	DESCRIPTION
02008522	1	Clamp
00118668	1	Heat sheath, 6" long