

July 19, 2006

Dear Blue Bird Owner:

You will find enclosed Service Bulletin S06KV regarding shortened service life of the "MICO" low pressure switches utilized on some 2006 model year Blue Bird All American model buses and 2006-2007 model year Blue Bird Vision conventional buses equipped with hydraulic brakes and option 40051 Door Brake Interlock. Subject buses were manufactured from March 04, 2005 through March 11, 2006.

On the subject buses the low pressure switch may cause the "MICO" Door Brake Interlock System to become unresponsive and not release pressure after application. Manual interaction may be required to move the vehicle. The audible signal will continue to sound until electrical power is disconnected.

Service Bulletin S06KV should be performed by a qualified repair technician. You may contact your appropriate Blue Bird distributor for assistance.

**Inspection should be performed to ensure parts are needed before ordering parts.** Only "MICO" low pressure switches within the affected date codes are replaceable under Service Bulletin S06KV. You will need to contact your Blue Bird Distributor to order replacement low pressure switches. **Note: If your "MICO" low pressure switch has already been replaced no action is required.**

Replacement low pressure switches, if needed, should be ordered through your usual Blue Bird service parts source.

Time allowed to perform Service Bulletin S06KV is 0.2hrs per bus. Request to obtain reimbursement for labor may be submitted to your Blue Bird Distributor.

Service Bulletin S06KV expires one year from date of issue.

If you no longer own the bus (es) identified on the enclosed cover sheet, please indicate new owner in the "sold to" section of the cover sheet and return to us at the address below:

BLUE BIRD BODY COMPANY  
P.O. BOX 937  
FT. VALLEY GA 31030  
ATTN: TECHNICAL PUBLICATIONS

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



# Service Bulletin S06KV

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**Date:** July 19, 2006

**Subject:** “MICO” Low Pressure Switch Shortened Service Life

**Models Affected:** 2006 Model Year Blue Bird All American model buses and 2006-2007 Model Year Blue Bird Vision Model Conventional Buses Equipped With Hydraulic Brakes and Option 40051 Door Brake Interlock

The low pressure switch on the “MICO” Door Brake Interlock System utilized on the subject buses may experience shortened service life. The low pressure switch may cause the door brake interlock system to become unresponsive and not release pressure after application. Manual interaction may be required to move the vehicle. The audible signal will continue to sound until electrical power is disconnected.

**Inoperable pressure switches may be diagnosed as follows:**

***Nonfunctional or intermittent PS2 (low) switch, 691 Brake Lock System***

While the 691 Brake Lock System is pressurizing the brakes, the audible alarm will sound and the following 691 Control Module LED's illuminate:

- a. Motor Up
- b. + Ext (-Ext if using gray wire remote input)
- c. Alarm

**NOTE: PS2 does not illuminate**

When lockup is achieved, “Alarm” and “+ (or -) Ext” LED's illuminate and the audible beeper sounds continuously. This is a 691 diagnostic mode in which the system will not respond to any input signals. The system resets only after 12-volt power to the system is interrupted and reconnected. (Note: 691 will also go into diagnostic mode if the PS2 switch momentarily loses its connection when the system is locked.)

**If the Low Pressure Switch is 100% inoperable:**

Confirm this condition by switching the system to RELEASE, then disconnecting 12-volt power. When power is reconnected only the PS1 LED is illuminated and the unit (already pressurized) does not run. When system is switched to LOCK it returns to the diagnostic mode.

All low-pressure Pressure Switches show the two numbers “2-10” on one (hex shaped) wrench flat surface, which identifies they are low-pressure units. Another wrench flat surface will be stamped with the month and year, identifying the manufacturing date (see enclosure). For example “02-05” would identify a February of 2005 manufacturing date.

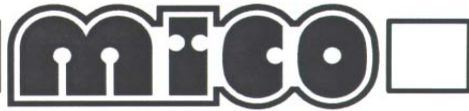
**Instructions for replacing the Mico low pressure switch.**

1. Park vehicle on level surface, remove key and chock wheels.
2. Locate and identify the low pressure switch. All low pressure, Pressure Switches shows the numbers “2-10” on one (hex shaped) wrench flat surface.
3. Identify date code. If date code is 02-05 through 12-05 continue. If not no further action is required. See photo below of low pressure switch for example of date code.
4. Disconnect wiring to switch.
5. Remove switch.
6. Replace switch. Torque to 13-17 lb. ft. **Note: Torque on surface flats**
7. Using the “MICO 691/690 Brake Lock Pressure Switch Replacement Instructions” on page 3 and 4, reconnect wiring as indicated.
8. Remove wheel chocks.



## 691/690 Brake Lock System

### Pressure Switch Replacement



#### NOTE

Regardless of manufacture date, the position of the high and low pressure switches have remained the same. See Figure 1, position 1 will always have a pressure switch stamped 1-800 and position 2 will always have a pressure switch stamped 2-10. Be sure to install the correct replacement switch.

#### INSTRUCTIONS

1. Replace pressure switches as necessary and torque 17.6-23.1 N-m (13-17 lb-ft). **NOTE: Torque only on surface flats.**
2. **691 models:** Reattach wire connectors. See Figure 1.
3. **690 models:** Earlier models of the 690 power unit provided a black wire, red wire, and green wire from each of the pressure switches as shown in Figure 2. These style switches are no longer available. Later models use pressure switches which provide two black wires from each as shown in Figure 3. When replacing pressure switches, either one of the black wires from each pressure switch can be used to connect to ground. Connect the other black wire from the pressure switches to the white wire or violet wire as shown in Figure 3. The pressure switch that connects to the white wire is stamped 1-800. The pressure switch that connects to the violet wire is stamped 2-10. **NOTE: Replacement switches may have connectors similar to FIGURE 1. Remove connectors as needed.**

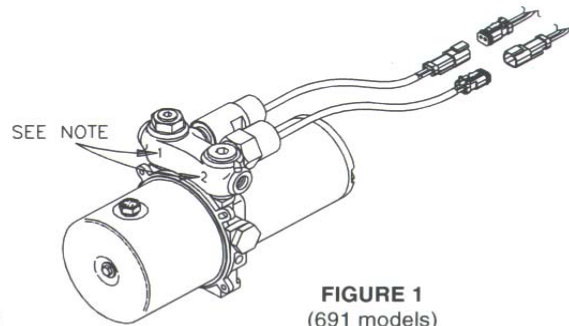


FIGURE 1  
(691 models)

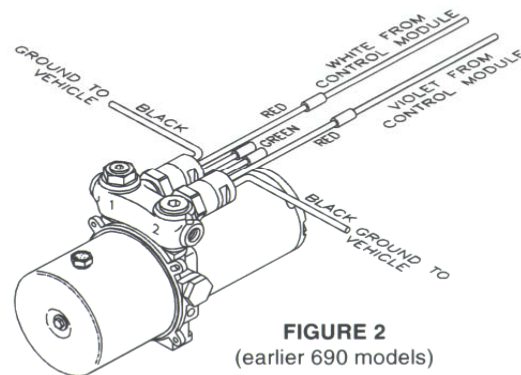


FIGURE 2  
(earlier 690 models)

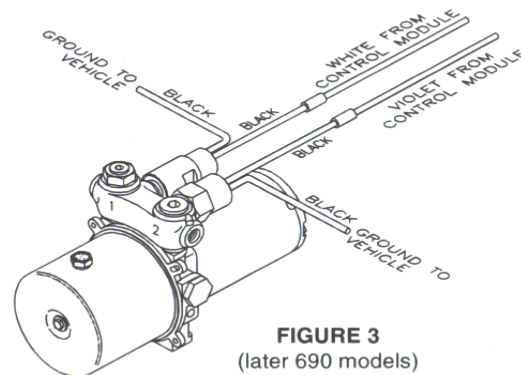


FIGURE 3  
(later 690 models)

MICO could not possibly know of and give advice with respect to all conceivable applications in which this product may be used and the possible hazards and/or results of each application. MICO has not undertaken any such wide evaluation. Therefore, anyone who uses an application which is not recommended by the manufacturer, first must completely satisfy himself that a danger will not be created by the application selected, or by the particular model of our product that is selected for the application.

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