



BLUE BIRD

**S16YS**

**July 25, 2016**

**To:** Blue Bird Owner

**Subject:** S16YS, Vision Ford 6.8L Engine Oil Requirement

**Models Affected:** Model Year: Certain 2013-2017  
Model: Vision School Bus and Non-School Bus with 6.8L V-10 Engines

**Bulletin Duration:** One (1) Year from Date of Issue

**Overview:**

Certain 2013 through 2017 model year Blue Bird Vision Ford 6.8L Drivers and Service manuals list either 5W-20 or 5W-30 Engine Oil Requirements. At your next and all subsequent oil changes, Blue Bird recommends only the use of 5W-30 motor oil. **All oils used must have the API certification mark.** The current oil fill cap is labeled 5W-20. Install a new oil fill cap labeled 5W-30.

5W-30 motor oil lubricates the valve train in a more efficient manner maintaining the excellent longevity of the 6.8L V-10 engines, when used with the school bus duty cycle. Thicker oil films can accommodate larger contaminants and offer more protection from any abrasive particles equal to or larger than the oil film thickness which could cause wear.

**Affected Units:**

On subject buses, the owner is to install a new oil fill cap labeled 5W-30.

**Parts:**

The Parts List outlined on Page 2 of the Instructions details the part required to perform Service Bulletin S16YS and is provided with this owner letter.

**Time Allowance:**

Time allowed for Oil Cap Replacement in each bus is 0.1 hours.

**Completion Notification:**

If you perform this service bulletin yourself or have an outside repair facility perform this bulletin, please notify your Blue Bird Dealer when the repair is completed. Send the body number, repair date, and odometer reading to your Blue Bird Dealer. If you request reimbursement for labor, also send a copy of the work order/invoice to your Blue Bird Dealer.

**BLUE BIRD BODY COMPANY**

P.O. Box 937 – 402 Blue Bird Blvd – Fort Valley, Georgia – (478) 825-2021

If the modification directed by this notification was performed on your unit prior to the receipt of this notification, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the subject matter of the campaign. Please provide a copy of all receipts to [campaignparts@blue-bird.com](mailto:campaignparts@blue-bird.com).

**Bulletin Duration:**

This Service Bulletin ends one (1) year from date of issue.

**Repair Facility:**

We encourage you to contact your Blue Bird dealer to arrange to have this Service Bulletin performed. However, you may elect and have the option to perform this Service Bulletin yourself or have a qualified repair facility convenient to you perform this work. A qualified technician must perform work required under this bulletin.

**Questions:**

Questions regarding this bulletin should be directed to your Blue Bird Field Service Engineer.

Regards,

*Lisa Hancock*

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## Vision Ford 6.8L Engine Oil Requirement

# BULLETIN

**Models Affected: Model Year 2013-2017 Vision with the Ford 6.8L V-10 Engine**

### ISSUE

Blue Bird Vision Ford 6.8L current manuals list either 5W-20 or 5W-30 Engine Oil Requirements. The current oil fill cap is labeled 5W-20.

### CORRECTIVE ACTION

Install a new oil fill cap labeled 5W-30 upon receipt. At your next and all subsequent oil changes, Blue Bird's only recommendation is the use of 5W-30 motor oil. All oils used must have the API certification mark.

### PROCEDURE

**WARNING:** Always follow all Federal, State, Local, and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures.

1. Park vehicle on a level surface, apply parking brake, turn engine off, remove ignition key, and chock wheels.
2. Replace the existing engine oil fill cap with Blue Bird Part No. 10050830 CAP,OIL,ENGINE,5W-30
3. At your next and all subsequent oil changes, use only 5W-30 motor oil with the API certification mark.

The Blue Bird Vision model powered with the optional Ford 6.8-liter V10 engine delivers quality and reliability with over 1.3 million engines produced since its introduction. The Ford 6.8-liter V10 offers several advantages; it is significantly quieter and warms up faster during cold weather conditions than diesel engines. The ability to warm up quicker eliminates the need for engine pre-heating (block heater/cold weather package) or fuel additives. Using high idle to warm up and low idle time during operation equals better fuel economy. Extended idling is not required or recommended.

This high tech engine is different than diesel engines, it is spark ignited and features an overhead cam timing drive to actuate the intake and exhaust valves. It is extremely important to keep the vital components of this timing drive system well lubricated and maintained, when used with the school bus duty cycle. Blue Bird only recommends the use of Motorcraft 5W-30 Premium Synthetic Blend motor oil and to follow the oil change interval of every six months or 5,000 miles.

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



# Vision Ford 6.8L Engine Oil Requirement

# BULLETIN

If Motorcraft is not available, you **must** use 5W-30 motor oils that meet API SN requirements and displays the API certification mark for gasoline engines. Do not use oil labeled with API SN service category, unless the label also displays the API certification mark.



Oil that displays the symbol above conforms to the current engine, emission system, and fuel economy performance standards of the International Lubricants Specification Advisory Committee (ILSAC).

If you use oil and fluids that do not meet the defined specification and viscosity grade, this may lead to:

- Component damage which is not covered by the vehicle warranty
- Longer engine cranking periods
- Increased emission levels
- Reduced engine performance
- Reduced fuel economy

Do not use supplemental engine oil additives. Engine oil additives are unnecessary and could lead to engine damage that may not be covered by your vehicle warranty.

The new, required oil fill cap labeled 5W-30 is enclosed. This cap should be installed upon receipt.

Parts List		
Part Number	Description	Quantity
10050830	Cap, Oil, Engine, 5W-30	1

Labor time to replace the oil fill cap labeled 5W-30 is 0.1 hour (6 minutes) per bus.