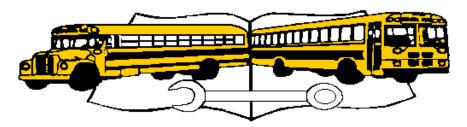
The Mechanic's Messenger



Message From The President

Greetings fellow school bus mechanics! I hope you are beginning 2018 well. There are some upcoming changes in the school bus industry. I hope you will make the time in your busy schedules to get the training you need to service your fleets.

The **OSBMA SPRING WORKSHOP** will be held in April. We have lined up some great topics, chosen from the surveys completed at the annual workshop—Gates and NAPA Heavy Duty Vehicles. Lt. Aaron Reimer, Office of Field Operations, Licensing and Commercial Standards, will be reviewing changes in the school bus inspection process.

Testing to find the school bus mechanics to represent Ohio at the **AMERICA'S BEST SCHOOL BUS**

<u>TECHNICIAN</u> competition (October 27-30, 2018 in Kansas City, Missouri) will take place at the OSBMA Spring Workshop, April 11, 2018. See page 4 for what the national competition entails. We hope that many school bus mechanics will give the 50 question test a try. Who knows? You may be the next competitor to represent Ohio! As an added bonus, everyone who takes the test at the 2018 OSBMA Spring Workshop will receive a voucher for \$20 off of the 30th OSBMA Annual Workshop registration fee!

The OHIO SCHOOL BUS SAFETY POSTER CONTEST is another way you can support safety in your school district. Please encourage your school district personnel to have the students participate in this poster contest. This annual event is held during the third full week in October each year. The poster contest theme for 2018 is: My School Bus, The SAFEST FORM OF STUDENT TRANSPORTATION! The Ohio School Bus Safety Poster Contest is open to pupils in grades K-8 and entries are accepted in one of four categories. The students can enter their drawings now. More information can be found at www.education.ohio.gov.

We hope you will participate in the **2018 NATIONAL SCHOOL BUS SAFETY WEEK**, which is October 15-19, 2018. The theme is this year is "My Driver - My Safety Hero!" (The theme of National School Bus Safety Week is derived from the Poster Contest the prior year.

The <u>30TH ANNUAL OSBMA WORKSHOP</u> will be held October 8-10, 2018. We hope you will join us in celebrating 30 years of promoting safe and efficient pupil transportation in Ohio!

Randy Behr, OSBMA President



Ohio School Bus Mechanics Association

Volume 25, Issue 3 February, 2018

Membership

- Active Membership is open to qualified mechanic who has responsibility in maintaining the operation of a safe and efficient pupil transportation system. (\$30)
- Associate Membership is open to other Ohio school officials who are interested in promoting safe pupil transportation in Ohio, retired OSBMA members, and vendors. (\$20)
- Membership is good for one year: July 1 - June 30.
- General aim is to advance pupil transportation as a part of a school district's public education program.
- Please join us in promoting safe and efficient pupil transportation in Ohio

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TIPS & TRICKS

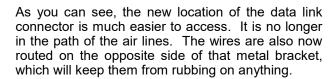
Last year we purchased 4 new 2017 Bluebird All Americans / stub nose. Here is a quick trick that will save you from repairing data link wires and make it much easier to connect your J1939 harness to your bus!

Here is a picture with the instrument cluster removed. It shows the data link connector mounted in place and the wires running directly over a metal bracket...hmmm can you guess what happens next?



That's right! Rubbed right through the wire.

They actually put an extra hole two inches to the right of where the green data link connector is located. I did have to slightly ream the new hole for the connector to fit but its plastic and can be modified easily with a Dremel tool.







Do you have any Tips or Tricks? Email me cklinge@phpatriots.org and we can share this helpful information with our fellow Mechanics.

Chad Klinge, OSBMA Newsletter Editor, Patrick Henry Local Schools

Stop Sign Issue on Thomas C2

One of our school bus drivers complained of an air-operated stop sign not closing after dropping off students and shutting the door. This was an intermittent issue, so trying to figure it out took some time.

After checking for kinked air lines and possible faulty relays or solenoids, I noticed the air pressure gauge on the dash read 140psi. With the stop arm activated, I began pumping the air brakes and bleeding the system down to about 120psi. I then closed the door and the stop sign cancelled and worked properly.

I came to the conclusion that too much air pressure, due to a faulty governor, would not allow the valve inside the stop sign solenoid to release the air pressure for the stop sign to close. After replacing the air compressor governor the issue was fixed and the stop sign worked properly.

Submitted by: Paul Bierhup, Wellston City Schools

Northwest Regional Workshop

Chad Klinge, Northwest Regional Director, would like to thank Cummins for the very informative workshop they held earlier this month in the northwest region. The presenters, Dave Dickerson & Jack Szalka, did a great job of presenting the Cummins Insite Program, including Aftertreatment Codes, Changing Parameters, ECM Diagnostic Tests and Creating Work Orders.

Everyone learned something! Chad would like to encourage all school bus mechanics in Ohio to attend the training events offered in Ohio. If you have a topic you would like to see covered, please contact Chad at 419-769-0472.

Meet the OSBMA Spring Workshop Presenters!



Bobby Bassett, Training Manager, Gates Corporation, began his career in the Automotive Aftermarket in 1978. His experience includes sales in both automotive, heavy duty with emphasis in hydraulics. Bobby is the Manager of Aftermarket Training for NA for the Gates Corporation. He works closely with technicians, High School/Community College automotive programs and customers educating on problematic areas that create comebacks and unneeded warranties associated with the Accessory Belt Drive, Timing and Coolant System. Bobby is certified to teach the Challenger methodology of selling.

Bobby believes industry involvement is important to the health of the automotive and heavy duty industry and currently serves on the ASE Board of Directors, SkillsUSA Automotive Service Technology Technical Committee, past chair of Automotive Training Managers Council and past cochair of the AutoCare Association Educational Committee.

Gates Corporation is providing two Gates New Laser Alignment tools (91075 DRIVEALIGN LASER TOOL GATR) as door prizes at the OSBMA Spring Workshop!



Guy Garrett, BOSCH Field Technical Specialists & Territory Sales Manager for Ohio, Indiana & Kentucky, has worked in the School Bus Industry since 1979. He worked as a training manager for National Tool Company, and was an ICAR Instructor for the Collision Industry for 10 years. He has worked with BOSCH / OTC (vehicle electronic diagnostic equipment, automotive fuel maintenance and servicing tools) for the last 8 years as a Trainer and Sales Manager and enjoys helping mechanics learn how to shorten their diagnostic time and repair vehicles faster and more efficiently.

Guy resides in Springboro, Ohio with his family. He is also a MACS (Mobile Air Conditioning Society) Certified Air Conditioning 609 Instructor.



GRIT COURAGE BRAVERY PLUCK METTLE BACKBONE SPIRIT STRENGTH OF CHARACTER STEEL NERVE FORTITUDE TOUGHNESS

Anyone who takes the America's Best test at the 2018 OSBMA Spring workshop on April 11, 2018 will receive a **\$20 voucher** to be used towards the registration fee for the 30th Annual OSBMA Workshop to beheld October 9 & 10, 2018.

The highest scorer will represent Ohio at the **AMERICA's BEST SCHOOL BUS TECHNICIAN** competition in Kansas City, Missouri, October 27—30, 2018.

To sign up to take the test, notify Susie Washburn at osbma@osbma.org or 614-478-9300.

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DETERMINATION ENDURANCE

America's Best School Bus Technician

I want to let you know of my experience in representing Ohio at the 2017 America's Best School Bus Technician competition.

The America's Best competition is a skills competition that is held in conjunction with the NAPT conference each year. Each state has the opportunity to select someone to represent their state at the competition. The representatives are usually selected by a written test, hands on skills challenge or combination of both . This year I had the opportunity to represent Ohio at the competition.

The competition is comprised of an ASE written test and hands on skills competition, this year I had the highest score on the written test. The hands on portion of the test was divided into stations; this year it was held at a Columbus City Schools facility. For example, at one of the stations we were asked to troubleshoot a J1939 data link. There was an entire can network laid out on a table, and we had to answer questions about its state. On this particular network there was battery voltage on the can high pin, so by disconnecting the control modules one by one I was able to conclude that the TCM was the culprit. We also had to conduct voltage drop tests on a charging system, do a tire inspection, change a seat back cover, and a few other things.



Ryan Gross
Jonathan Alder Local Schools

- The first day of the competition was comprised of registration and a very nice reception where the contestants had a chance to get to know each other.
- Day two was 8 hours of training and then the written test. That evening there was a gathering in conjunction with NAPT sponsored by Thomas Built Buses with food and a comedian for entertainment.
- Day three was the hands-on skills competition. We were bused to a Columbus City Schools facility for the hands-on competition. That evening there was another gathering sponsored by I.C. Bus, including dinner and a band for entertainment.
- Day four, the top three finishers were announced. Unfortunately, I did not place in the top three this year.
- The fifth and final day was the NAPT trade show. The show was really interesting. There were a lot of upcoming technologies on display. This years' theme seemed to be the all electric bus, as each major manufacturer had their version on display.

Altogether, I had a great time at the America's Best competition. I really enjoyed meeting the other competitors and learning about how they do things in their state. I also want to thank the Ohio School Bus Mechanics Association for the opportunity to represent Ohio.

A newlywed couple moves into their new house. One day the husband comes home from work and his wife says, "Honey, you know, in the upstairs bathroom one of the pipes is leaking. Could you fix it?"

The husband says, "What do I look like, Mr. Plumber?"

A few days go by, and he comes home from work and his wife says, "Honey, the car won't start. I think it needs a new battery. Could you change it for me?"

He says: "What do I look like, Mr. Goodwrench?"

Another few days go by, and it's raining pretty hard. The wife finds a leak in the roof. She says, "Honey, there's a leak on the roof! Can you please fix it?"

He says, "What do I look like, Bob Vila?"

The next day the husband comes home, and the roof is fixed. So is the plumbing. So is the car. He asks his wife what happened.

"Oh, I had a handyman come in and fix them," she says.

"Great! How much is that going to cost me?" he snarls.

Wife says: "Nothing. He said he'd do it for free if I either baked him a cake or slept with him."

"Uh, well, what kind of cake did you make?" asks the husband.

"What do I look like," she says, "Betty Crocker?"





Ohio School Bus Mechanics Association

"Promoting Safe & Efficient Pupil Transportation in Ohio"

PO Box 30844, Gahanna, OH 43230 Phone 614-478-9300 Fax 614-478-9304 Email: osbma@osbma.org

Email: osbma@osbma.org www.osbma.org OHIO SCHOOL BUS MECHANICS ASSOCIATION SPRING WORKSHOP

APRIL 11, 2018

All school bus mechanics in Ohio are invited to attend!

This workshop will be held at the Ohio Department of Transportation—Auditorium, 1980 West Broad Street, Columbus, Ohio.

Attending this workshop will help meet in-service requirements for school bus mechanics.

Registration is limited to the first 250 registrants.

Return your registration form and payment (or purchase order) by April 6, 2018.

You will receive a **Confirmation & Admission Ticket**, which will confirm your registration and be your receipt of payment.

Walk-in registrations will not be accepted.

Wednesday, April	11	. 2018
------------------	----	--------

8:00 – 9:00 am Registration/Continental Breakfast 9:00 – 9:30 am SESSION I—School Bus Inspection 9:30 – 11:45 am SESSION II—ABDS & Coolant System

11:45 - 12:45 pm LUNCH

12:15 - 12:45 pm AMERICA'S BEST TESTING

12:45 - 3:00 pm SESSION III—BOSCH HD Diagnostics 101

Cancellations

INSERVICE TRAINING REQUIREMENT

The Ohio School Bus Mechanics Association provides each registrant with a Certificate of Achievement that serves as your permanent record of participation.

This certificate is suitable for framing or can be placed in your personnel file to show that you have fulfilled the yearly in-service training requirements of section 3301-83-10 of the Ohio Pupil Transportation Operation & Safety Rules.

Substitutions

*All procedures are

also applicable to other

brands of tooling!

SESSION TOPICS

Changes in the School Bus Inspection Process

Presented by: Lt. Aaron Reimer, Ohio Highway Safety Patrol

Lt. Reimer will review the School Bus Inspection process, School Bus Safety Inspection (form HP32C) and updates to the Out-of-Service (OOS) criteria.

Accessory Belt Drive System (ABDS) & Coolant System

Presented by: Bobby Bassett, Training Manager for the Gates Corporation

The Belts on the Bus go Round and Round, or do they?

During the session will explore root cause failures along with the effects they have on the Accessory Belt Drive System (ABDS) and Coolant system. Demonstration of sample failures will be shared during presentation.

BOSCH Heavy Duty Diagnostics 101

Presented by: Guy Garrett, Bosch

Diagnostic Systems & Procedures using BOSCH Diagnostic Equipment*

- HD Code Diagnostic Procedures
- Understanding Bi-Directional Testing & Resets
- Using available service information
- High Pressure / High Volume Smoke Testing to find system leaks
- Review a Detailed Case Study using these procedures

There will also be a time for Q & A and a chance to look at some of the new equipment!

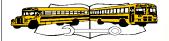
AMERICA'S BEST SCHOOL BUS TECHNICIAN—STATE COMPETITION

All members of the Ohio School Bus Mechanics Association are invited to take a test to determine the Ohio representative in the national America's Best School Bus Technician competition. This event will take place at the NAPT 44th Annual Summit, October 27-30, 2018 in Kansas City, Missouri. More information can be found at http://napt.org/annual-summit/americas-best.php *Those signing up to take the test will be first in line for lunch, then take the test in a separate, quiet room.

Registration

Complete the registration form and return it with payment by April 6, 2018. You will receive a <u>Confirmation and Admission Ticket</u> which serves as your receipt of payment. <u>Keep this in a safe place and bring it with you to register.</u>

<u>Cancellations</u> received up to five working days before the workshop	
are refundable, minus a \$10.00 registration service charge. After	Substitutions may be made, however, any additional fees due
that, cancellations are subject to the entire workshop registration	membership status must be paid at or prior to the workshop.
fee, which may be applied toward future workshops.	



Ohio School Bus Mechanics Association

"Promoting Safe & Efficient Pupil Transportation in Ohio"

PO Box 30844, Gahanna, OH 43230 Phone 614-478-9300 Fax 614-478-9304 Email: osbma@osbma.org

www.osbma.org

OHIO SCHOOL BUS MECHANICS ASSOCIATION SPRING **WORKSHOP**

APRIL 11, 2018

REGISTRATION FORM				
Name	Schoo	ol District	County	
Home Address			Home Phone	
Home Address (continued)			Work Phone	
Email Address			Cell Phone	
Return the registration form and payr April 6, 2018. School districts using p orders are responsible for payir	urchase	Are you a <u>Cl</u> OHIO SCHOOL BUS	<u>JRRENT MEMBER</u> of the SMECHANICS ASSOCIA	e ATION?
registration fee even if their mechanic does not attend (*see cancellations). 1. Mail form with a purchase order, check, money order or credit card information. 2. Email form with a purchase order or credit card information. 3. Fax form with a purchase order or credit card information.		YES, I'm sending \$60.00 for worksho registratio	' 560]
		NO, but I wish to I'm sending \$30.00 for membership ar \$60.00 for workshop registratio	SOO	
		•	not wish to be a member.	
Checks payable to:		I'm sending \$85.00 for workshop registration	on \$85	
*Registration and payment or purchase order must be postmarked, faxed or emailed by April 6, 2018.				
Check # if applicable		_ VISA _	DISCOVER	3-digit security code:
PO # if applicable	Credit (if applicable	Expiration date MM/YYYY	Billing Zip Code zip code
<u> </u>				

DIRECTIONS

FROM THE NORTH:

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- ⇒ Take I-70 West
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- Turn left onto West Broad Street
- Straight for 1/2 mile, turn right

FROM THE SOUTH:

- Take I-71 North to I-70 West
- Exit #97 (West Broad Street)
- Turn left onto West Broad Street
- Straight for 1/2 mile, turn right

FROM THE WEST:

- Take I-70 East
- Exit #97 (West Broad Street)
- Turn right onto West Broad Street
- Straight for 1/2 mile, turn right

MAP I-71 1-270 **OHIO DEPARTMENT OF TRANSPORTATION** 1980 West Broad Parking is free!

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RED ROOF INN COLUMBUS WEST (5.53 mi) 614-878-9245 or 1-800-RED-ROOF 5001 Renner Road, Columbus, Ohio 43228

Spotlight!

PAUL BIERHUP, OSBMA TREASURER

School District: Wellston City Schools Position: Mechanic / Jack of all

How long have you been with the OSBMA and what Titles have you held?

I have been with OSBMA since the middle 90s. I was the South Regional Director for many years and am now currently the Treasurer.

What do you enjoy most about being part of the OSBMA Executive Committee? I enjoy meeting people and getting firsthand information from them, you can solve a lot of problems at the dinner table.

What do you enjoy doing in your spare time/ hobbies?

I still live on the Family Farm (1870. 300 acre) we have 70 head of cow we milk. I enjoy riding Motorcycles, Dirt bikes.

Do you have any hidden talents?

I can't dance, sing or play music. What you see is what you get.

How many students can you fit on an 84 passenger school bus? Legally whatever can fit behind the barrier?

Which is your favorite Cologne.....Diesel fuel, antifreeze, or transmission fluid? I would have to say Diesel fuel. It lasts the longest.

What is your favorite Television Show or Movie? Mash reruns.

What are your future plans/ goals in life?

I turn 66 in March with 30 years of service plan on retire rehire. I will probably travel, hop on the bike and take off!





Paul Bierhup Wellston City Schools

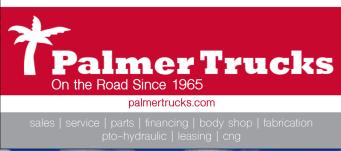


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Volume 25, Issue 3

Promoting Safe and Efficient Pupil Transportation in Ohio!





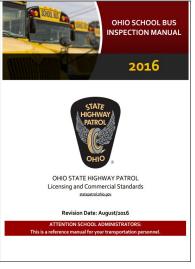


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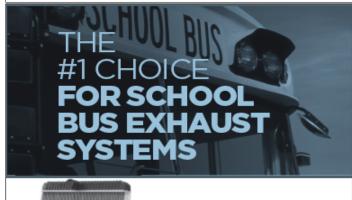
To find the Cummins Sales and Service location nearest you, visit salesandservice.cummins.com

Cummins Sales and Service is a proud supporter of the Ohio School Bus Mechanics Association.

THE OHIO SCHOOL BUS INSPECTION MANUAL



Visit www.statepatrol.ohio.gov and click on publications at the top. "2016 School Bus Inspection Manual" is listed under Licensing and Commercial Standards Publications.





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May 7, 2018
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Products advertised may or may not meet Ohio specifications.

If you would like information on advertising in this quarterly newsletter, please contact: Chad Klinge (419)769-0472

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Chad Klinge, Patrick Henry Local

Lieutenant Aaron Reimer, Ohio Highway Patrol (614) 752-4817 Manuel Brooks, Ohio Department of Education (614) 466-2204

> SEND ALL CORRESPONDENCE TO: Ohio School Bus Mechanics Association P. O. Box 30844, Gahanna, Ohio 43230 Phone: (614) 478-9300 Fax: (614) 478-9304 Email: osbma@osbma.org Website: www.osbma.org

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