

FAQs:

***Where to register:
powertrainexpo.com***

***Where your classes are:
tinyurl.com/aapex-schedule***

***Where to stay:
tinyurl.com/aapex-attendee-hotels***

***Where to eat:
venetianlasvegas.com/restaurants***

***Where to hang out:
tinyurl.com/things-to-do-in-vegas***

***Where to stay connected:
tinyurl.com/ATRA-FB
tinyurl.com/AAPEX-FB***



**Powertrain
expo
2024**

***VEGAS IS WAITING
ARE YOU READY?***

AAPEX 2024 KEYNOTE BREAKFAST

Tuesday Morning Huddle: The New Industry Titans

***Moderated by American Sportscaster and
Television Personality, Erin Andrews***

***Tuesday, November 5
6:30am-8:45am***

***Reserve your table today!
tinyurl.com/AAPEX-keynote-reservation***



**Powertrain
expo
2024**

MEET YOUR SPEAKERS



Bob Warnke

Bob has been delivering presentations to the industry since 1991. He is currently a consultant at Sonnax and has worked with those colleagues over his 26 years with the company to develop many unique solutions. Prior, Bob was in volume remanufacturing, education and a shop rebuilder/owner. Bob got his start at GM in the days of THM 200 and 125. Bob is also dedicated to his non-profit 501c3 organization Haven on Rice Creek (havenonricecreek.org), a retreat center dedicated to the support of grieving individuals, youth mentoring programs and sabbaticals for ministry teams and leaders.



Jim Dial

Jim has been in the transmission industry for over 40 years. He is currently a technical specialist at Sonnax working on research and development, assisting with design of transmission valve kits, developing hydro-electric tests for remanufactured valve bodies and solenoids and aiding in technical support of our products for customers. Prior to his nine years at Sonnax, Jim was a shop owner; transmission builder and worked for ATSG for 20 years, writing repair manuals, hydraulic circuit manuals and speaking at seminars.



Steve Garrett

Steve Garrett has worked in the automotive and transmission industry for 40-plus years. He is currently a technical seminar presenter for the Automatic Transmission Rebuilders Association (ATRA) and a contributing writer for GEARS Magazine. As a former service engineer and instructor for General Motors (GM), Steve is well-known in the automotive industry. He has authored industry books for GM, ATRA, and college textbook companies and has been a technical writer for multiple magazines.



Tony Gonyon

Tony, a retired U.S. Navy veteran and automotive tuning expert, is the North America Sales Manager for HP Tuners. Tony's career showcases a commitment to excellence. During his Navy tenure (1982-1998), Tony specialized as a P3C Orion Anti-Submarine Warfare Systems Operator; accumulating over 4000 flight hours. He excelled as an instructor and curriculum developer; with seven deployments worldwide. Transitioning to automotive tuning in 1994, Tony became proficient in carburetor tuning and EFI calibrations. He instructed for calibration companies from 2004, later teaching at The Tuning School until 2021. Joining HP Tuners in 2021 as a Technical Sales representative, Tony advanced to North America Sales Manager in 2022. His journey—from Navy missions to automotive tuning leadership—embodies dedication and expertise.



Bill Anthony

Bill started as an apprentice heavy duty mechanic in 1972 at a Buick Car Dealership and went on to attend and graduate from Denver Automotive and Diesel College in 1976. In the early 90s, Bill was the Director of Research & Development for Toledo Trans-it for 8 years and later rejoined them again for another 10 years. Bill is the holder of patents for his upgrades from the A604 reinforcement plate to the Hercules ring for the 4R100 units as well as written articles. In 2019, his career brought him to the Whatever It Takes family where he is currently the Director of Reman Operations for Whatever It Takes / Roadmaster Powertrain. Bill is married to his loving wife, and together they have five children, 10 grandchildren and 6 great grandchildren.



Francisco Moreno

Francisco holds the position of N.A. Powertrain & E-Mobility Category Manager with ZF Aftermarket. His position supports the development of products for the IAM and as a trainer, supports the growth of technicians in the independent aftermarket. Francisco has over 11 years of experience at ZF on the remanufacturing production lines in both passenger car and commercial vehicle. He is able to use his previous knowledge and experience working on the remanufacturing production line to educate technicians in the field. Francisco's priority is to engage and educate technicians in the growing IAM automotive markets. ZF is proud to be able to bring guidance and technical expertise to a larger technician population. Francisco's background includes a heavy focus on the ZF 6, 8 and 9-speed transmissions, as well as ZF Commercial Vehicle transmissions and axles.



Sean Boyle

Sean Boyle teaches Automotive Drivetrains, Automatic Transmissions, Vehicle Stability and NVH, Electric Vehicles, and Comprehensive Diagnostics courses at Southern Illinois University. He has taught for SIU since 1997 and enjoys the challenges of learning, researching, and teaching new vehicle technology. He is Master ASE certified with advanced certifications in L1, L2, L3, and L4. His studies are often published in automotive service trade journals, such as Gears Magazine.



Pepe Torres

Pepe Torres is a professional in Automatic Transmission Systems. He has vast hands-on experience in improving performance, software and cooling for transmission systems, and has focused and developed an interest for light diesel truck transmission systems. His techniques have caught attention and have been followed by other transmission rebuilders in the industry. He presents seminars at ATRA and Worldpac expos. He continues to share his knowledge and technique with other techs in the industry. Owner and transmission rebuilder of AUS-TEX Transmission since 2005.



John Parmenter

John Parmenter is a rebuilder and shop owner on Long Island, New York. John is an ASE certified master technician. His shop handles a large volume of dealer warranty work. He is a technical advisor for Precision International and handles technical service calls as well as answering questions on Precision International's website, www.transmissionkits.com. John's seminars are in demand worldwide as they are based on real world problems encountered in today's transmission shops.



Powertrain
expo
2024

**AT
A
GLANCE**

Monday 11/04

7:30am-5pm Registration Open

6pm-7:30pm AAPEX Reception

Tuesday 11/05

6:30am-8:45am AAPEX Keynote Breakfast

7am-5pm Registration Open

9am-5pm AAPEX Exhibits Open

9am-5pm Joe's Garage Demos

2pm-4pm 5, 6, 7, 8 and 10-speed Controls, Driveability Complaints and Common Failures

4pm-6pm Diagnosing Electrical Intermittents

Wednesday 11/06

7:30am-5pm Registration Open

9am-5pm AAPEX Exhibits Open

9am-5pm Joe's Garage Demos

*8am-10am Ford 6R80/10R80 Transmission Calibration Overview using HP Tuners
Software/Hardware*

10am-12pm ZF Generation IV 8HP Transmission: Overview and Comparison

12pm-2pm Shift Anatomy of Modern Transmissions

5:30pm-7pm ATRA Social & Association Address

Thursday 11/07

7:30am-4pm Registration Open

9am-5pm AAPEX Exhibits Open

8am-10am Blame it on the Tuner, Part 6

10am-12pm Tips and Tricks from the Builder's Bench

ATRA CLASSES

Jim Dial and Bob Warnke (Tuesday, November 5, 2pm-4pm)

5, 6, 7, 8 and 10-speed Controls, Driveability Complaints and Common Failures

If you work on late model transmissions, you don't want to miss this presentation! Jim and Bob team up to provide insight into the root cause of common driveability complaints and unit failures involving late-model vehicles. They will share processes and techniques to first identify and isolate the symptoms associated with various failures and driveability complaints. Then, they will take you directly to areas of concern inside these units that are responsible for the issues, as well as the associated fixes.

Steve Garrett (Tuesday, November 5th, 4pm-6pm)

Diagnosing Electrical Intermittents

Diagnosing intermittent vehicle concerns are the most difficult tasks that any shop has to deal with. As more and more electronics are added to vehicles, the need to know where to locate the issue as well as how to test for the concern are paramount in your shop's success. This course will address the strategies and tools that can be employed to help you attack an intermittent electrical concern no matter the brand of vehicle or which type of vehicle system you are attempting to repair.

Tony Gonyon and Bill Anthony (Wednesday, November 6th, 8am-10am)

Ford 6R80/10R80 Transmission Calibration Overview using HP Tuners Software/Hardware

This class focuses on the hardware and software needed to perform custom tuning for Ford 6 and 10-speed transmission calibrations. Tony will introduce the hardware, software, and functionality of the tuning tool including its capability to perform OEM level diagnostics. He will also explore tuning Ford 6 and 10-speed units to compensate for common driveability complaints.

Francisco Moreno (Wednesday, November 6, 10am-12pm)

ZF Generation IV 8HP Transmission: Overview and Comparison

Welcome to the ever-changing world of transmissions. In this class, we'll explore the latest addition to the ZF transmission line: The Gen IV 8HP. Throughout this class, we'll investigate its newest features and revisions, comparing them with previous models and highlighting significant changes. Engineers continually strive to push boundaries with major upgrades and the Gen IV 8HP is no exception.

After completing this training, participants will be able to:

- *Identify the major components and sub-systems related to the gen IV 8HP.*
- *Describe the major differences between the previous models and the new Gen IV.*
- *Have a general understanding of the latest upgrades and how they will affect the current automotive market.*

Sean Boyle (Wednesday, November 6th, 12pm-2pm)

Shift Anatomy of Modern Transmissions

Transmissions have become quite complex with advanced electronics and operating strategies. In this session, we will dive deep into the design and operation of common transmissions, such as the GM/Ford 10 speed, GM's 8L90, and the ZF 9HP. I will also share some results from using Tuning programs used to change the operating strategies along with their direct effect on transmission pressures and timing.

Pepe Torres (Thursday, November 7th, 8am-10am)

Blame it on the Tuner, Part 6

This class takes a real-world look at what it takes for transmissions to stand up to high-performance and modified diesel and gasoline engines. This year, we will examine the following:

- *A look into 6BRFE pressure management and unit modifications.*
- *8L90 performance modifications and corresponding software tuning*
- *Aisin AS68RC and AS69RC modifications to match tuned engine torque*
- *How to choose the correct torque converter stall RPM and total clutch linings for diesel and gasoline high performance applications.*

John Parmenter (Thursday, November 7th, 10am-12noon)

Tips and Tricks from the Builder's Bench

As vehicle systems become more complex, so do problems that come into our shops. We have one of the best in the industry bringing us current problems and fixes. John will walk through real-life cases that he has encountered and will help you navigate from identifying the source of the problem to the solution. He will also cover parts updates and other need-to-know building tips on several transmissions. Be prepared for an immersive, interactive class!

Your 2024 Powertrain Expo Exhibitors



| <i>Booth #</i> | | <i>Booth #</i> | |
|----------------|--|----------------|--|
| <i>J10038</i> | <i>Adapt A Case</i> | <i>J10643</i> | <i>Nantong Lintex Advanced Materials Co., Ltd.</i> |
| <i>J9743</i> | <i>ATK and Parts</i> | <i>J9846</i> | <i>Precision International</i> |
| <i>J8843</i> | <i>Automatic Transmission Rebuilders Association</i> | <i>J9638</i> | <i>Precision of New Hampton/Hot Flush</i> |
| <i>J10843</i> | <i>Central Valve Bodies</i> | <i>J10239</i> | <i>Ream Man Valve Bodies LLC</i> |
| <i>J10144</i> | <i>Ecoclean, Inc.</i> | <i>J9738</i> | <i>RevMax Performance/Transmission Specialties</i> |
| <i>J10544</i> | <i>Embedded 360</i> | <i>J9440</i> | <i>Seal Aftermarket Products, National Transmission Products</i> |
| <i>J10440</i> | <i>ENEOS USA, Inc.</i> | <i>J9938</i> | <i>Shiyan Tongchuang Drive Technology Co., Ltd.</i> |
| <i>J10443</i> | <i>ETE Reman</i> | <i>J10539</i> | <i>Small Biz Vantage</i> |
| <i>J9643</i> | <i>EVT Parts</i> | <i>J9238</i> | <i>Sonnax Transmission Company</i> |
| <i>J10043</i> | <i>Ford Parts</i> | <i>J10743</i> | <i>STK Transmission Parts Co., Ltd.</i> |
| <i>J10344</i> | <i>FTI Performance Parts</i> | <i>J9444</i> | <i>SunCoast Performance/ Performance Converters</i> |
| <i>J9838</i> | <i>Guangzhou Transnation Auto Technology Co., Ltd.</i> | <i>J10338</i> | <i>SuperFlow</i> |
| <i>J9438</i> | <i>Guangzhou Transpeed Auto Technology Co., Ltd.</i> | <i>J10039</i> | <i>Superior Transmission Parts Inc.</i> |
| <i>J9840</i> | <i>Hydra-Test USA</i> | <i>J10044</i> | <i>Sussex Auto Parts</i> |
| <i>J10140</i> | <i>KB Cores</i> | <i>J9539</i> | <i>Teckpak Fitzall/Trans-A-Matic</i> |
| <i>J10444</i> | <i>KINERGO Inc.</i> | <i>J1043</i> | <i>The Core Guys</i> |
| <i>J10839</i> | <i>KUHLE, Inc.</i> | <i>J10740</i> | <i>Total Transmissions Chicago/Buffalo Engine Components</i> |
| <i>J10146</i> | <i>KYZEN</i> | <i>J10243</i> | <i>TransGo</i> |
| <i>J10138</i> | <i>LKQ/ELITEK Vehicle Service</i> | <i>J10046</i> | <i>Transmission Automated Solutions (TAS)</i> |
| <i>J9544</i> | <i>MaxCore Industries (MCI)</i> | <i>J9243</i> | <i>Transtar Industries</i> |
| <i>J10238</i> | <i>Meyle AG</i> | <i>J10446</i> | <i>Tri Component Products Group</i> |
| <i>J9439</i> | <i>Miami Powertrain LLC</i> | <i>J10439</i> | <i>Wenzhou S&G Electrical Machinery Co., Ltd.</i> |
| <i>J10246</i> | <i>Moveras, LLC</i> | <i>J9644</i> | <i>West Coast Standards</i> |
| <i>J10640</i> | <i>Mustang Advanced Engineering</i> | <i>J9043</i> | <i>Whatever It Takes Inc. (WIT)</i> |
| <i>J10244</i> | <i>Nanjing Transfly Automatic Transmission Parts Co., Ltd.</i> | <i>J10840</i> | <i>ZY Manufacturing Parts LLC</i> |