

Stewart & Stevenson Training Centers Course Guide



Have you even thought; my job would be more productive and rewarding if I could just:

- ✓ **Communicate in a more effective manner**
- ✓ **Manage my time**
- ✓ **Motivate my staff**
- ✓ **Handle pressure and stress**
- ✓ **Understand this new engine control system**

Your job can be more productive and rewarding. To help you succeed we offer a variety of course topics from essential skills to technical training. Each course is developed to provide the knowledge and confidence you need to be successful. Using the latest communication tools and methodologies, our instructors deliver a power training experience that translates directly to your workplace. This course guide contains the topics and descriptions that are available to you along with instructor contact information.

Customized courses are available based on your identified business need. For additional information and to review the latest course offerings visit the Stewart & Stevenson Intranet site. Contact the Houston Training Center for pricing and scheduling courses.

Houston Training Center

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Training Course Table of Contents

Product	Description	Page
	Contact Information.....	2
	Table of Contents.....	3
	Training Class Information / Registration.....	5
	Registration Fees.....	5
Essential Skills	Behavioral Interviewing.....	6
	Business Writing.....	6
	Caring for Customers.....	6
	Communicating and Listening.....	6
	Healing Customer Relationships.....	7
	Reaching for Stellar Service.....	7
	Improving Productivity through Stress Management.....	7
	Stepping Up to Supervision.....	8
	Time Management.....	8
Allison	1000/2000/2400 Series Service – Legacy.....	10
	1000/2000/2400 Series Transmission Overhaul - Legacy.....	10
	World Transmission Service – Legacy.....	10
	Allison Diagnostic Optimized Connection (ADOC).....	11
	CEC On Highway (Formerly ATEC).....	11
	CEC2 Off Highway.....	11
	MD 3000 Transmission Overhaul.....	12
	HD 4000 Transmission Overhaul.....	12
	Allison AT Transmission Overhaul.....	12
	MT 600 Transmission Overhaul.....	12
	HT 700 Transmission Overhaul.....	13
	CL(B)T 750 Transmission.....	13
	5000 / 6000 / 9000 Series Service.....	13
	Allison Part Familiarization.....	14
	Allison Product Line Familiarization.....	14
	Allison Application & Installation.....	14
	E-Learn 1000 & 2000 Product Families Maintenance.....	14
	E-Learn 1000 & 2000 Product Families Overhaul.....	15
	E-Learn 3000 & 4000 Product Families Maintenance.....	15
	E-Learn 3000 Product Families Overhaul.....	15
	E-Learn 4000 Product Families Overhaul.....	16
	E-Learn 3000 & 4000 Combined Product Families Overhaul.....	16
	E-Learn Course Requirements.....	17

Training Course Table of Contents

Product	Description	Page
Detroit Diesel	DDEC III/IV & V On Highway Class (with EGR)	19
	DDEC III/IV & V Off Highway Class	19
	Engine Familiarization 2-Cycle	19
	Engine Familiarization 4-Cycle	19
	Engine Periodic Maintenance	20
	Engine Failure Analysis	20
	Series 40E Major Engine Repair.....	20
	Detroit Product Line Familiarization	21
	G2 S60 Major Engine Repair	21
	Series 60 Major Engine Repair with 2004 EGR.....	21
	Series 53 Major Engine Repair	22
	Series 71 Major Engine Repair	22
	Series 92 Major Engine Repair	22
	MBE 500 Overhaul.....	23
	MBE 900 Off Highway Familiarization	23
	MBE 900 EGR Major Engine Repair	23
	G2 MBE 900 Major Engine Repair	24
	MBE 4000 EGR Engine Repair	24
	G2 MBE 4000 Engine Repair	24
	MBE On Highway Electronics	25
	DDC 2007 Product Update	25
	Series 149 Maintenance & Troubleshooting	25
	G2 DD-15 Major Repair	26
Deutz	Deutz Series 912, 913, & 914	27
	Deutz Series 1008, 2008 & 2009	27
	Deutz Series 1011 & 2011	27
	Deutz Series 1012, 1013, & 2012	28
EMD	EMD 645 Technical.....	29
	645 EMDEC (Electromotive Diesel Electronic Control)	29
Hyster	Hyster Forklift Operation	30
	Hyster FORTIS.....	30
	Electric Truck AC System	30
	HD (170-360)	30
Waukesha	GET: Gas Engine Technology	31
	VHP: VHP Technology.....	31
	VHP: VHP Technology.....	31
	EOT: VHP Engine Operator Technology	32
	ESM: Engine System Manager.....	32

Training Center Information & Registration

CLASSES ARE OPEN TO:

Acceptance.

- * Students are accepted on a "first come, first served" basis registration must be in writing by fax or e-mail.
- * Class sizes are strictly limited to ensure the quality of the training each student will receive.

CLASS DETAILS:

- * Factory accredited, using special tools and the latest training materials.
- * Limited class size allows for "HANDS ON" training, using "LIVE" engines and sub assemblies with applicable classroom lectures.
- * Students should bring suitable work clothes (please no shorts), and shoes.
- * Students will receive manual and certificates upon completion of class.
- * Stewart & Stevenson Safety Rules require all lab participants to observe OSHA Safety Guidelines.
- * Students are required to wear ear protection safety shoes and glasses. Individuals requiring prescription eye ware must have OSHA approved lenses with the C87 etched in the lenses with side shields.
- * During your training class you will acquire several pieces of literature, take this into consideration for your return trip.
- * We have no objections to substitute students) attending for one that is already confirmed if that becomes necessary.
- * 7AM-4PM (includes 1 hour lunch and coffee breaks)

CLASS OBJECTIVES:

- * Enhance students ability to maintain, diagnose, repair and / or overhaul the equipment covered.
- * The knowledge that students can absorb and retain is usually proportionate to their previous experience with the product and/or their mechanical aptitude.

"ON SITE" TRAINING

- * Standard and custom training classes available.
- * Per Student \$250.00 per day - with a minimum of eight students, plus training material, shipping and travel expenses.

HOTEL DETAILS:

- * Special room rates are available for hotel accommodations, some with daily transportation provided between hotel and training center.
- * Refer To: Training Area Hotel Accommodation's listed on this site.

Registration Fees:

- * To meet the training needs of our vendors, dealers and customers, Stewart & Stevenson reserves the right to cancel or reschedule classes.
- * Two Weeks advance notice is required for any class cancellations.
- * Failure to notify this office will result in the full registration fee being charged.
- * Class registration ends 3 business days prior to first day of class
- * Please make checks payable to Stewart & Stevenson
Mail payments to : 581 Garden Oaks Blvd.
Houston, Texas 77018

Phone: 713-803-0714 or 1-800-967-2190

Fax: 713-803-0721

[E-Mail: trainingcenter@ssss.com](mailto:trainingcenter@ssss.com)

Student Lunches:

- * Houston Training Center (ONLY) catered lunches are available to the students for \$8.00 per day
- * Check the appropriate line on the registration form if you would if you wish the Training Center to order your lunch
- * Make a note if a special diet is required.
Examples: No pork products, Low Carbohydrate Diet, Low Sodium or Diabetic

Essential Skills

Behavioral Interviewing

This class identifies what managers/supervisors need to know to legally and effectively interview potential employees.

Past performance is a good indicator of future behavior. Interview questions that focus on past behavior based relative on the requirements of the job will allow interviewers to get more specific information regarding the candidate's ability to handle the job.

Objectives:

- Increase interviewing skills so improved candidate selection decisions can be made
- Prepare effective interview questions based
- Learn the EEO Laws and their legal impact on the interviewing process

Business Writing

The basic purpose of business writing is to inform, inquire or persuade. In this class you will examine the elements of effective business writing including subject lines, paragraphs, headings, bullets, organization, style, tone, grammar, and spelling. The course focuses on technical, business and email correspondence.

Objectives:

- Identify the purpose of business writing
- Examine the elements of effective business writing
- Understand the differences between technical and business writing
- Ensure effective email communication
- Enhance your personal communication effectiveness when writing to others

Caring for Customers

This class defines what it means to take care of your customers with attentive service for customer needs in person or via the telephone. Prerequisite: Reaching for Stellar Service

Objectives:

- Determine characteristics of quality customer service
- Analyze communication skills that produce customer satisfaction
- Identify techniques that govern positive customer interactions

Communicating and Listening

Communicating and listening effectively is essential to productivity. When employees are communicating effectively, they are able to participate, contribute, and add value to their jobs.

Objectives:

- Learn that communication is a two-way process
- Identify effective ways of listening
- Recognize the triggers that can destroy communication
- Determine the nonverbal messages that are sent and received

Essential Skills

Healing Customer Relationship

This class develops skills that help serve customers who are concerned, angry or upset after a service breakdown.

Prerequisite: Reaching for Stellar Service

Objectives:

- ☑ Work together to reach a customer/organization solution to the problem
- ☑ Restore customer trust and confidence
- ☑ Manage your own reactions to emotional statements from customers
- ☑ Use defusing techniques with customers who are angry or upset
- ☑ Demonstrate commitment to customer relationship and encourage customer loyalty

Reaching for Stellar Service

This customer service class explores the value of stellar service and equips the service provider with tools to achieve it.

It looks at customer service through the customer's eyes and applies practical communication and process techniques to create loyal customers.

Objectives:

- ☑ Describes what stellar service is and the challenges of delivering it
- ☑ Discuss the benefits of customer loyalty and what it takes to achieve
- ☑ Uncover key defining moments in customer interactions that create stellar service
- ☑ Improve customer service by accepting accountability and responsibility

Improving Productivity Through Stress Management

Events in life create stress, and this stress can impair job performance. This class focuses on the effects of occupational stress and how to deal with it. The physical, emotional, psychological and physiological results of uncontrolled stress are examined.

Objectives:

- ☑ Recognize our many roles in life and understand how they create stress
- ☑ Define stress and examine how it can be both positive and negative
- ☑ Identify three steps to relieving stress on the job
- ☑ Identify seven stress management keys
- ☑ Develop an action plan to deal with stress

Essential Skills

Stepping Up to Supervision

This class is specifically designed for employees new to supervision responsibilities or those selected with supervisory potential. Stepping Up to Supervision is delivered by consultant in concert with executive management and other Stewart & Stevenson leadership employees. The course includes: policies and procedures, DiSC communication style, teamwork, presentations, facilitating effective meetings, professional business image, performance appraisals, behavior interviewing, performance management, collaboration and creative problems solving, operational process analysis, effective employee counseling.

- ☑ Learn organizational expectations of management
- ☑ Accept new role and adapt behavior accordingly
- ☑ Learn about employment law
- ☑ Understand security awareness in company email
- ☑ Identify strengths and weakness in personal communication styles
- ☑ Utilize defusing skills and techniques to management difficult employee behaviors
- ☑ Prepare effective meeting techniques
- ☑ Produce power presentations
- ☑ Utilize effective business etiquette in social and business situations
- ☑ Design departmental and employee goals
- ☑ Learn time management skills to increase productivity and profits
- ☑ Develop techniques for effective collaboration
- ☑ Practice effective behavior-based interviewing techniques
- ☑ Explore four types of management approaches for effective employee interaction
- ☑ Adopt a positive approach to discipline

Time Management

This time management class teaches you to get organized and focus on customized priorities, resulting in increased productivity while decreasing stress levels.

Objectives:

- ☑ Define time management
- ☑ Assess and evaluate priorities
- ☑ Explore obstacles to personal productivity
- ☑ Reduce crisis management through effective planning



Essential Skills

Contact the Houston Training Center for additional information on the following courses:

- Business writing
- Communication
- Customer service
- Coaching
- Goal setting
- Harassment
- Interviewing
- JD Edwards
- Listening
- Managing/supervising
- Motivation
- Negotiation skills
- Presentation skills
- Performance appraisals
- Phone skills
- Project management
- Quality
- Security awareness
- Stress management
- Team building
- Time management
- VURV – Hiring manager

The Houston Training Center has the resources to research the requested training topic, develop and deliver a class internally. Additional services include researching sources for delivery of training via consultants, on-line or use of local sources.

Technical Training: Allison Transmission Courses

Allison 1000/2000/2400 Series Service - Legacy

Course covers general construction, theory, operation, periodic maintenance, removal/installation and adaptation hardware checks and in-chassis repairs. Other areas include gear pack and power flow operation, electronic control theory and vehicle interface, hydraulics operation and Trans-Pro diagnostics and troubleshooting.

Objectives:

- Understand electronic control theory and vehicle interface
- Use Trans-Pro diagnostic tool for troubleshooting
- Learn periodic maintenance and in-chassis repairs

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$850.00

Allison 1000/2000/2400 Series Overhaul - Legacy

In this course the service manual, parts catalog and transmission cross-section charts are used to disassemble, qualify parts for reuse and reassemble the transmission. The Allison essential “special” tools (J tools) are demonstrated, along with measurement procedures using dial indicators, micrometers, depth gauges and telescoping gauges. Special attention is also given to assure proper assembly alignment, bolt location and torque.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Allison World Transmission Service - Legacy

This class covers general construction, theory, and operation and troubleshooting of the torque converter, gear unit, hydraulic and electronic control systems. Topics include torque converter operation, power flows, clutches, retarder operation, vehicle interface, electronic and hydraulic control systems and periodic maintenance. Hands-on exercises cover volt-ohm meter use, basic electrical circuits, connector repair, disassembly and reassembly of a transmission to the modular level, and Pro-Link diagnostic tool basics.

Objectives:

- Understand electronic control theory and vehicle interface
- Use Pro-Link diagnostic tool for troubleshooting
- Learn periodic maintenance and in-chassis repairs

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Technical Training: Allison Transmission Courses

Allison Diagnostic Optimized Connection (formerly ATDT)

The Allison DOC™ for PC (Diagnostic Optimized Connection) is the essential tool for use with both MD/HD products lines and the 1000/2000/2400 Series™ transmission. This tool represents the evolution of the ATDT™ Versions 1.0 and 1.1. This program provides an understanding of the operations, specific electronic input/output functions and circuitry, mandatory vehicle interface connections and reprogramming selected parameters. Specifics of Allison DOC™ include navigating through the tool's computer screens, using the demo mode, graphics monitor, strip chart options, and accessing specific troubleshooting manual pages within the tool.

Objectives:

- Understand specific electronic input/output functions and circuitry
- Examine capabilities of the Allison DOC™ for PC
- Learn to navigate graphic monitor and strip chart options

Course Length: 3 Days

Maximum Students: 10

Registration Fee: \$850.00

Allison Commercial Electronic Controls™ CEC1 On Highway

Course covers the earliest version of Allison on highway transmission electronic controls (formerly ATEC) course content includes an overview of system operations and components, vehicle interface and diagnostics. The CEC troubleshooting manual and system wiring schematic are covered in detail.

Objectives:

- Understand the CEC system; service, diagnosis and troubleshooting
- Examine the CEC troubleshooting manual and system wiring

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$850.00

Allison Commercial Electronic Controls™ CEC 2 Off Highway

Course covers the latest version of Allison off-highway transmission electronic controls. Course content includes an overview of system operation and components, vehicle interface and diagnostics. The CEC2 troubleshooting manual and system wiring schematic are covered in detail.

Objectives:

- Understand the CEC2 system; service, diagnosis and troubleshooting
- Examine the CEC2 troubleshooting manual and system wiring
- Learn vehicle interface and system operation

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Technical Training: Allison Transmission Courses

Allison MD 3000 Transmission Overhaul

The service manual and parts catalog are used to disassemble, qualify parts for reuse, and reassemble the transmission. This course does not include topics covered in the World Transmission Service Class.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Allison HD 4000 Transmission Overhaul

The Service Manual and Parts Catalog are used to disassemble, qualify parts for reuse, and reassemble the transmission. This course does not include topics covered in the World Transmission Service Class.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Allison AT Transmission Overhaul

This class covers general construction, theory, operation and troubleshooting. Topics include torque converter operation, power flows, clutches, retarder operation, hydraulic control system, overhaul procedures and periodic maintenance. The service manual and parts catalog will be used to disassemble, qualify parts for reuse and reassemble the transmission.

Objectives:

- Understand transmission overhaul processes
- Learn service requirements
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Allison MT600 Transmission Overhaul

Course covers general construction, theory, operation and troubleshooting. Topics include torque converter operation, power flows, clutches, retarder operation, hydraulic control system, overhaul procedures and periodic maintenance. The service manual and parts catalog will be used to disassemble, qualify parts for reuse and reassemble the transmission.

Objectives:

- Understand transmission overhaul processes
- Learn service requirements
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Technical Training: Allison Transmission Courses

Allison HT700 Transmission Overhaul

Course covers construction, theory, operation and troubleshooting of the torque converter, gear unit and hydraulic systems. Also covered are overhaul procedures and periodic maintenance procedures. Then service manual, parts catalog and transmission cross-section charts are used to disassemble, qualify parts for reuse and reassemble the transmission. Special tools are demonstrated, along with measurement procedures using precision measuring tools.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Allison CL(B)T750 Transmission Overhaul

Course covers general construction, theory, operation and troubleshooting. Topics include torque converter operation, power flows, clutches, retarder operation (where applicable), hydraulic control system and periodic maintenance procedures. The service manual and parts catalog will be used to disassemble, qualify parts for reuse and reassemble the transmission.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Allison 5000/6000/9000 Series Service

Course covers Off-Highway Products Services this program provides an understanding of transmission operation, construction, service requirements, and troubleshooting. Classroom topics include torque converter operation, power flows, clutches, retarder operation, hydraulic and electric control systems, and preventive maintenance. Hands-on exercises cover disassembly and reassembly of a transmission. Upon course completion, technicians will have an applicable understanding of each of the transmission systems which will enable service, diagnosis, and troubleshooting skill development.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Technical Training: Allison Transmission Courses

Allison Parts Familiarization

Course covers identification of current On-Highway Allison Transmission, model number nomenclature, proper use of the Allison Parts Catalog as well as finding parts group numbers on the Allison Extranet. Explanation of Trans ID as it relates to parts orders as well as ordering Re-Trans transmissions.

Objectives:

- Understanding of current On-Highway Transmissions
- Understand and use of part catalog

Course Length: 1 Days

Maximum Students: 8

Registration Fee: \$150.00

Allison Product Line Familiarization

Course covers the use of current Allison's Product Lines of automatic transmissions, to introduce the product to new-hire personal includes classroom lectures.

Objectives:

- Understanding of the identification of current product line

Course Length: 1 Day

Maximum Students: 8

Registration Fee: \$150.00

Application and Installation Course

Course covers the general features and applications for all Allison transmissions with emphasis on the 1000/2000/3000/4000 Product Lines. Instruction on "how to" locate and utilize detailed installation specifications and guidelines. Classroom topics include vehicle design requirements, engineering guidelines, cooling requirements, and electronic engine data interface. The program features a detailed look at Allison's iSCAAN Program.

Objectives:

- Understanding of the identification of current product line
- Understanding installation specifications and guidelines

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$650.00

E-Learn 1000 & 2000 Product Families Maintenance

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. This 4th Generation class covers general construction, theory, operation, preventive maintenance removal / installation and adaptation hardware checks and in-chassis repairs. Other areas include gear pack and power flow operation, electronic control theory and vehicle interface, hydraulics operation and Trans-Pro diagnostics and troubleshooting.

Objectives:

- Understand electronic control theory and vehicle interface
- Use Trans-Pro diagnostic tool for troubleshooting
- Learn periodic maintenance and in-chassis repairs

Course Length: 2 Days

Maximum Students: 87

Pre-requisite: E-Learn web base training

Registration Fee: \$650.00

Technical Training: Allison Transmission Courses

E-Learn 1000 & 2000 Product Families Overhaul

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. This 4th Generation class covers general construction, theory, operation, preventive maintenance, removal / installation and adaptation hardware checks and in-chassis repairs. Other areas include gear pack and power flow operation, electronic control theory and vehicle interface, hydraulics operation and Trans-Pro diagnostics and troubleshooting.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Pre-requisite: E-Learn web base training

Registration Fee: \$650.00

E-Learn 3000 & 4000 Product Families Maintenance

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. This 4th Generation class covers general construction, theory, and operation and troubleshooting of the torque converter, gear unit, hydraulic and electronic control systems. Topics include torque converter operation, power flows, clutches, retarder operation, vehicle interface, electronic and hydraulic control systems and periodic maintenance. Hands-on exercises cover volt-ohm meter use, basic electrical circuits, connector repair, disassembly and reassembly of a transmission to the modular level, and Pro-Link diagnostic tool basics.

Objectives:

- Understand electronic control theory and vehicle interface
- Use of diagnostic tool for troubleshooting
- Learn periodic maintenance and in-chassis repairs

Course Length: 2 Days

Maximum Students: 8

Pre-requisite: E-Learn web base training

Registration Fee: 650.00

E-Learn 3000 Product Families Overhaul

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. The Service Manual and Parts Catalog are used to disassemble, qualify parts for reuse, and reassemble the transmission. This course does not include topics covered in the World Transmission Service Class.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Pre-requisite: E-Learn web base training

Registration Fee: \$650.00

Technical Training: Allison Transmission Courses

E-Learn 4000 Product Families Overhaul

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. The Service Manual and Parts Catalog are used to disassemble, qualify parts for reuse, and reassemble the transmission. This course does not include topics covered in the World Transmission Service Class.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 2 Days

Maximum Students: 8

Pre-requisite: E-Learn web base training

Registration Fee: \$650.00

E-Learn 3000 and 4000 Combined Product Families Overhaul

Course is the Instructor lead training for distributors and dealers. Upon completion of web base training requirements notification for registration will be sent to training center and the technician by E-Learn. The Service Manual and Parts Catalog are used to disassemble, qualify parts for reuse, and reassemble the transmission. This course does not include topics covered in the World Transmission Service Class.

Objectives:

- Understand transmission overhaul processes
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 3 Days

Maximum Students: 8

Pre-requisite: E-Learn web base training

Registration Fee: \$850.00

Technical Training: Allison Transmission Courses

Allison: E-Learn Web base training requirements.							
Course Description	Course No.	1K2K Maint	1K2K OH	3K Maint	3K OH	4K Maint	4K OH
Allison All Products Familiarization Module 1 - Allison History	TT-AP-FM01.0WBT	X	X	X	X	X	X
Allison All Products Familiarization Module 2 - What Is A Transmission?	TT-AP-FM02.0WBT	X	X	X	X	X	X
Allison All Products Familiarization Module 3 - Why An Allison Transmission?	TT-AP-FM03.0WBT	X	X	X	X	X	X
Allison All Products Familiarization Module 4 - How Allison Transmissions Work	TT-AP-FM04.0WBT	X	X	X	X	X	X
Allison All Products Familiarization Module 5 - Allison Products	TT-AP-FM05.0WBT	X	X	X	X	X	X
1000 & 2000 Product Families Preventive Maintenance	TT-12-PM01.0WBT	X	X				
3000 & 4000 Product Families Preventive Maintenance	TT-34-PM01.0WBT			X	X	X	X
Transmission Input Adaptation Hardware Checks	TT-AP-AH01.0WBT	X	X	X	X	X	X
Vehicle Driveline Checks	TT-AP-DC01.0WBT	X	X	X	X	X	X
1000 & 2000 Product Families Removal, Installation and Maintenance Level Repairs	TT-12-RR01.0WBT	X	X				
3000 & 4000 Product Families Removal, Installation And Maintenance Level Repairs	TT-34-RR01.0WBT			X	X	X	X
1000 & 2000 Product Families Torque Converter Operation	TT-12-TC01.0WBT	X	X				
3000 & 4000 Product Families Torque Converter Operation	TT-34-TC01.0WBT			X	X	X	X
1000 & 2000 Product Families Power Flows	TT-12-PF01.0WBT	X	X				
3000 & 4000 Product Families Power Flows	TT-34-PF01.0WBT			X	X	X	X
1000 & 2000 Product Families - 4th Generation Controls Hydraulics	TT-12-HY01.0WBT	X	X				
3000 & 4000 Product Families - 4th Generation Controls Hydraulics	TT-34-HY01.0WBT			X	X	X	X
Allison 4th Generation Controls Module 1 - Components and Operation	TT-1234-EC01.0WBT	X	X	X	X	X	X
Allison 4th Generation Controls Module 2 - Mandatory Vehicle Interface	TT-1234-EC02.0WBT	X	X	X	X	X	X
Allison 4th Generation Controls Module 3 - Communication Vehicle Interface	TT-1234-EC03.0WBT	X	X	X	X	X	X
Allison 4th Generation Controls Module 4 - Optional Input/Output Vehicle Interface	TT-1234-EC04.0WBT	X	X	X	X	X	X
J1939 Data link Module 1 - Data link Overview	TT-1234-DL01.0WBT	X	X	X	X	X	X
J1939 Data link Module 2 - Data link Basics	TT-1234-DL02.0WBT	X	X	X	X	X	X
J1939 Data link Module 3 - Data link Physical Layer	TT-1234-DL03.0WBT	X	X	X	X	X	X
J1939 Data link Module 4 - Data link Messages and Parameters	TT-1234-DL04.0WBT	X	X	X	X	X	X
J1939 Data link Module 5 - Data link Troubleshooting	TT-1234-DL05.0WBT	X	X	X	X	X	X
Diagnostics Module 1 - Using the Troubleshooting Manual	TT-1234-DP01.0WBT	X	X	X	X	X	X
Diagnostics Module 2 - Diagnostics First Steps	TT-1234-DP02.0WBT	X	X	X	X	X	X
Diagnostics Module 3 - Wire Check Procedures	TT-1234-DP03.0WBT	X	X	X	X	X	X
Diagnostics Module 4 - Allison DOC™ Navigation - Basic	TT-1234-DP04.0WBT	X	X	X	X	X	X
Diagnostics Module 5 - Allison DOC™ Navigation - Advanced	TT-1234-DP05.0WBT	X	X	X	X	X	X
Diagnostics Module 6 - Allison DOC™ Navigation - Reprogramming	TT-1234-DP06.0WBT	X	X	X	X	X	X

Technical Training: Allison Transmission Courses

Allison: E-Learn Web base training requirements.							
Diagnosics Module 7 - Pressure Checks	TT-1234-DP07.0WBT	X	X	X	X	X	X
Diagnosics Module 8 - Stall Tests	TT-1234-DP08.0WBT	X	X	X	X	X	X
CSS - Service Calibration Request	TT-AP-CS01.0WBT	X	X	X	X	X	X
TCM Re-flash	TT-AP-RF01.0WBT	X	X	X	X	X	X
3000 & 4000 Product Families Retarder	TT-34-RE01.0WBT			X	X	X	X
3000 Product Family 7-Speed Transmission	TT-03-SS01.0WBT			X	X		
4000 Product Family 7-Speed Transmission	TT-04-SS01.0WBT					X	X
Allison Transmission Overhaul Basics	TT-1234-OB01.0WBT		X		X		X
1000 & 2000 Product Families Overhaul Module 1 - Transmission Disassembly	TT-12-OH01.0WBT		X				
1000 & 2000 Product Families Overhaul Module 2 - Module Rebuild Part 1	TT-12-OH02.0WBT		X				
1000 & 2000 Product Families Overhaul Module 3 - Module Rebuild Part 2	TT-12-OH03.0WBT		X				
1000 & 2000 Product Families Overhaul Module 4 - Transmission Reassembly	TT-12-OH04.0WBT		X				
3000 Product Families Overhaul Module 1 - Transmission Disassembly	TT-03-OH01.0WBT				X		
3000 Product Families Overhaul Module 2 - Module Rebuild Part 1	TT-03-OH02.0WBT				X		
3000 Product Families Overhaul Module 3 - Module Rebuild Part 2	TT-03-OH03.0WBT				X		
3000 Product Families Overhaul Module 4 - Transmission Reassembly	TT-03-OH04.0WBT				X		
4000 Product Families Overhaul Module 1 - Transmission Disassembly	TT-04-OH01.0WBT						X
4000 Product Families Overhaul Module 2 - Module Rebuild Part 1	TT-04-OH02.0WBT						X
4000 Product Families Overhaul Module 3 - Module Rebuild Part 2	TT-04-OH03.0WBT						X
4000 Product Families Overhaul Module 4 - Transmission Reassembly	TT-04-OH04.0WBT						X
1000 & 2000 Product Families Maintenance Instructor-Led Training	TT-12-MA01.0FAC	X	X				
3000 & 4000 Product Families Maintenance Instructor-Led Training	TT-34-MA01.0FAC			X	X	X	X
1000 & 2000 Product Families Overhaul Instructor-Led Training	TT-12-OH01.0FAC		X				
3000 Product Families Overhaul Instructor-Led Training	TT-03-OH01.0FAC				X		
4000 Product Families Overhaul Instructor-Led Training	TT-04-OH01.0FAC						X

Technical Training: Detroit Diesel Engine Courses

DDEC III/IV & V On Highway (with EGR) / DDC 8880

This class covers the Detroit Diesel Electronic Control III, IV & V engine controls and troubleshooting using the Detroit Diesel Diagnostic Link. Program covers the operation and repair of DDEC III, IV & V systems. Course includes differences between III, IV and V, lectures on electronic components, wiring, basic electricity, functions of the systems and troubleshooting.

Objectives:

- Train skills to diagnose & service the DDEC III, IV & V systems
- Understand troubleshooting procedures using the DDC diagnostic link

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

DDEC III/IV & V Off Highway

This class covers the Detroit Diesel Electronic Control III, IV, & V engine controls and troubleshooting using the Detroit Diesel Diagnostic Reader and Detroit Diesel Diagnostic Link. Program covers the operation and repair of DDEC III, IV, & IV systems. Course includes differences between III, IV & V, lectures on electronic components, wiring, basic electricity, functions of the systems and troubleshooting.

Objectives:

- Train skills to service DDEC III, IV & V systems
- Understand troubleshooting procedures using the DDC diagnostic reader and link

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Engine Familiarization 2-cycle

This course gives the student a basic understanding of the 2-cycle engine principles and construction. The operation, components and maintenance diagnostic procedures of the air, fuel, lube and cooling systems are covered.

Objectives:

- Examine 2-cycle engine theory
- Understand diagnostic procedures and troubleshooting
- Learn operational and maintenance requirements

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Engine Familiarization 4-cycle

This course gives the student a basic understanding of the 4-cycle engine principles and construction. The operation, components and maintenance diagnostic procedures of the air, fuel, lube and cooling systems are covered.

Objectives:

- Examine 4-cycle engine theory
- Understand diagnostic procedures and troubleshooting
- Learn operational and maintenance requirements

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Technical Training: Detroit Diesel Engine Courses

Engine Periodic Maintenance Series 40E, 50/60, 71, 92, MBE400, MBE4000

This course gives the student a basic understanding of the engine principles and construction. The operation, components and maintenance diagnostic procedures of the air, fuel, lube and cooling systems are covered.

Objectives:

- Provide student with basic construction and operational knowledge
- Cover basic diagnostic procedures and troubleshooting
- Learn operational and maintenance requirements

Course Length: 2 Days

Maximum Students: 8

Registration Fee: \$650.00

Engine Failure Analysis

This course program uses a systematic approach in study of basic failure analysis which includes: problem solving techniques, fundamentals of failure analysis, actual analysis of failed parts, analyzing vibrant parts by using a vibrometer on a running unbalanced engine.

Objectives:

- Provide student with basic process in diagnosing engine problem and failure

Course Length: 4 Days

Maximum Students: 8

Prerequisite: Previous overhaul class

Registration Fee: \$950.00

Series 40E Major Engine Repair

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures and tune-ups.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Prerequisite: Series 40E Service

Registration Fee: \$1050.00

Technical Training: Detroit Diesel Engine Courses

Detroit Diesel Product Line Familiarization

Course covers the use of current Detroit Diesel Product Lines, to introduce the product to new-hire personal includes classroom lectures.

Objectives:

- Understanding of the identification of current product line

Course Length: 1 Day

Maximum Students: 8

Registration Fee: \$150.00

G2 S60 Major Engine Repair / DDC 8960

Course is the Instructor lead training for distributors and dealers with web base training prerequisites. Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, EGR components, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine and EGR components
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 3 Days

Maximum Students: 8

Prerequisite: DDEC III, IV & V

Registration Fee: \$850.00

Series 60 Major Engine Repair with 2004 EGR / DDC 8893

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, EGR components, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine and EGR components
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Prerequisite: DDEC III, IV & V

Registration Fee: \$1050.00

Technical Training: Detroit Diesel Engine Courses

Series 53 Major Engine Repair

Course includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Series 71 Major Engine Repair

Course includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube and cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Series 92 Major Engine Repair

Course includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Technical Training: Detroit Diesel Engine Courses

MBE 500 Major Engine Repair

Course includes both classroom lectures and practical hands-on exercises. Students disassemble engines and an in-depth study is made of the following: general construction and operation principles; fuel, air, lube and cooling systems; governors and other fuel control devices; overhaul procedures; tune-up and troubleshooting. After all components are reassembled, the engine is tuned and checked out for satisfactory performance.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Objective: Enable service personnel to troubleshoot and diagnose engine problems, disassemble and reassemble engines correctly, repair and overhaul engine components and perform preventative maintenance and tune-ups.

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

MBE 900 Off Highway Familiarization

Course includes both classroom lectures and practical hands-on exercises. Students disassemble engines and an in-depth study is made of the following: general construction and operation principles; fuel, air, lube and cooling systems; governors and other fuel control devices; overhaul procedures; tune-up and troubleshooting. After all components are reassembled, the engine is tuned and checked out for satisfactory performance.

Objectives:

- Troubleshoot and diagnose engine problems
- Use of special precision tools for inspection

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$650.00

Major Repair EGR 900 / DDC 8886

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

Technical Training: Detroit Diesel Engine Courses

G2 Major Repair 900 / DDC 8970

Course is the Instructor lead training for distributors and dealers with web base training prerequisites. Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$850.00

Major Repair MBE 4000 EGR / DDC 8885

Course includes both classroom lectures and practical hands-on exercises. Students disassemble live engines and an in-depth study is made of the following: general construction and operation principles, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and checked out for satisfactory performance.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$950.00

G2 Major Repair MBE 4000 EGR / DDC 8980

Course is the Instructor lead training for distributors and dealers with web base training prerequisites. Course includes both classroom lectures and practical hands-on exercises. Students disassemble live engines and an in-depth study is made of the following: general construction and operation principles, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and checked out for satisfactory performance.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection
- Perform re-assembly and testing

Course Length: 3 Days

Maximum Students: 8

Registration Fee: \$850.00

Technical Training: Detroit Diesel Engine Courses

MBE On Highway Electronics / DDC 8857

Program includes both classroom lectures and practical hands-on exercise. Students work with operational engines in a study of general operation and troubleshooting. Lectures on electronic components, wiring, basic electricity & functions of the systems.

Objectives:

- Enable technician to troubleshoot and diagnose the engine electronic control system
- Train skills to service MBE Electronic systems
- Understand troubleshooting procedures using DDC diagnostic reader and link

Course Length: 3 Days
Maximum Students: 8
Registration Fee: 850.00

G2 Product 2007 Update / DDC 8920

Course is the Instructor lead training for distributors and dealers with web base training prerequisites. Provide service personnel with 2007 design changes, additional components and enhancements to the S-60, MBE 900 and the MBE 4000 power systems. Program includes classroom lectures, discussion and practical hands-on exercises.

Objectives:

- Reinforce DDC's required (prerequisite) web-based training
- Enable service personnel to troubleshoot and diagnose engine and emission control systems concerns

Course Length: 4 Days
Maximum Students: 8
Prerequisite: G2 2007 web base training
Registration Fee: \$950.00

Series 149 Engine Maintenance and Troubleshooting

Course includes both classroom lectures and practical hands-on exercise. Students study the general construction and operation principles including the fuel, air, lube and cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting.

Objectives:

- Perform service requirements
- Understand disassembly procedures
- Learn part qualification procedures
- Use of special precision tools for inspection

Course Length: 3 Days
Maximum Students: 8
Registration Fee: \$850.00

Technical Training: Detroit Diesel Engine Courses

G2 DD-15 Major Repair / DDC

Course is the Instructor lead training for distributors and dealers with web base training prerequisites. Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- ☑ Classroom slide presentation course covers the engine internals and the 4 major engine systems :
- ☑ Lubrication, Cooling, Air System, and Fuel System Circuits
- ☑ Learn periodic maintenance requirements
- ☑ Perform disassembly and re-assembly of major components
- ☑ Removal and Re-install of Camshafts, Injector nozzles, Cylinder head, Power pack assemblies, and Gear train
- ☑ Use of the special tools to perform tasks
- ☑ Basic diagnostics and troubleshooting with DDDL 7

Course Length: 5 Days

Maximum Students: 8

Registration Fee: \$1050.00

Technical Training: Deutz Engine Courses

Deutz Series 912, 913 & 914 Overhaul

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$600.00

Deutz Series 1008, 2008 & 2009 Overhaul

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$600.00

Deutz Series 1011, 2011 Overhaul

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$600.00

Technical Training: Deutz Engine Courses

Deutz Series 1012, 1013 & 2012 Overhaul

Program includes both classroom lectures and practical hands-on exercise. Students disassemble operational engines in a study of general construction and operation principles including the fuel, air, lube, cooling systems, governors, fuel control devices, overhaul procedures, tune-up and troubleshooting. After all components are reassembled, the engine is tuned and tested for optimum performance.

Objectives:

- Enable technician to troubleshoot and diagnose the engine
- Learn periodic maintenance requirements
- Use of special precision tools for inspection
- Perform disassembly and re-assembly and testing

Course Length: 4 Days

Maximum Students: 8

Registration Fee: \$600.00

Technical Training: EMD Engine Courses

EMD Series 645

Course includes a study of all major engine components, assemblies, systems and technical data limits required to operate and maintain an EMD engine in a power, marine and industrial application. The performance-based program incorporates informative oral presentations and demonstrations on an EMD diesel engine. Hands-on activities and interactive discussions give the student a practical background in the basic repair, operation, maintenance and troubleshooting of the EMD engine.

Objectives:

- Learn periodic maintenance procedures
- Use of troubleshooting techniques and repair procedures
- Operate and maintain the EMD engine

Course Length: 5 Days

Maximum Students: 12

Registration Fee: \$1050.00

645 EMDEC (Electromotive Diesel Electronic Control)

Course covers the ELECTROMOTIVE Engine Controls and Troubleshooting using the EMD Diagnostic Reader and EMD Diagnostic Link. Program covers the operation and installation of EMDEC systems. Course includes lectures on electronic components, wiring, basic electricity, functions of the systems and troubleshooting.

Objectives:

- Perform skills to service and repair engines

Course Length: 4 Days

Maximum Students: 10

Registration Fee: \$950.00

Technical Training: Hyster Engine Courses

Hyster Forklift Operation

Course includes both classroom lectures and practical hands-on exercise. Topics include forklift types, features and physics, driving, LPG for lift trucks, safety concerns, vehicle inspection, load handling, battery and charging and specific truck and workplace training.

Objectives:

- Provide OSHA certified training
- Learn forklift features and physics
- Use of controls for load handling
- Perform vehicle inspection

Course Length: 5 Hours

Maximum Students: 8

Registration Fee: \$150.00

Hyster FORTIS

This course is designed specifically for Hyster Dealer Technicians. Course technicians will develop knowledge, skills, and abilities to diagnose and repair Fortis lift trucks utilizing Dash Display and PC. In addition, technicians will learn to repair wire harnesses following proper procedures recommended by Hyster.

Objectives:

- Enable technician to identify typical troubleshooting codes and Symptoms of the product
- Learn the intergraded electronic control system and the way in which they communicate with each other

Electric Truck AC System

This course is designed specifically for Hyster Dealer Technicians. Course technicians will develop knowledge, skills, and abilities to diagnose and repair seat down Electric Trucks with AC System utilizing Dash Display and PC. In addition, technicians will learn to repair wire harnesses following proper procedures recommended by Hyster.

Objectives:

- Enable technician to identify typical troubleshooting codes and Symptoms of the product
- Learn the intergraded electronic control system and the way in which they communicate with each other

HD (170-360)

This course is designed specifically for Hyster Dealer Technicians. Course technicians will develop knowledge, skills, and abilities to diagnose, calibrate and repair transmission and hydraulic systems on HD products utilizing PC software, such Dash board and Parker Node.

Objectives:

- Enable technician to identify typical troubleshooting codes and Symptoms of the product
- Learn the intergraded electronic control system and the way in witch they communicate with each other
- Familiarize and identify the characteristic of the e-hydraulics and Dana transmission used in the truck

Course Length: 3 Days

Maximum Students: 6

NOTE: The courses are hands-on and require laptop computers with the proper software installed. See table below for software required for each course.

Course	Software
FORTIS	PC service Tool v.3.0 with i-Fak Cable
AC Truck	ETACC software with i-Fak Cable
HD (170-360)	TE-10 Dash Board and Parker Node software with i-Fak Cable and Hydraulic Communication Cable

Technical Training: Waukesha Engine Courses

Waukesha GET: Gas Engine Technology

This course is classroom lecture based and is the foundation for all Waukesha natural gas engines. The information can be applied to virtually all gas engines and is very comprehensive in all areas of engine maintenance, operation and troubleshooting. This course is recommended for anyone who is responsible for the servicing of Waukesha products, but also for those who desire a thorough understanding of gas engine theory and technology not easily attained in the field. This is a mandatory prerequisite course for all product specific courses such as VHP, VGF, AT and ECT courses.

Objectives:

- ☑ Familiarize students with Waukesha engine models
- ☑ Understand cooling system design and maintenance
- ☑ Learn basics of mounting and alignment
- ☑ Understand combustion theory
- ☑ Gain an understanding on natural gas engine fuel systems
- ☑ Learn the basics of emissions and exhaust gas analysis
- ☑ Learn how engines breath (intake and exhaust)
- ☑ Understand the lubrication system and lube oil analysis
- ☑ Learn ignition system basics

Course Length: 4 Days

Maximum Students: 15

Registration Fee: 1200.00

Waukesha VHP: VHP Technology

This is a fully certified and qualified VHP Technology course conducted at our Stewart & Stevenson Training Center in Casper, Wyoming. It is the same course as conducted at the factory Product Training Center. Students will conduct hands-on training on an L7042 cut-a-way engine in the engine workshop. The course will be presented by factory certified trainers, and anyone attending this course who is employed by an authorized Waukesha distributor or power partner that passes the examination will be certified or qualified at the conclusion of the course (certification and qualification does not apply to product end users, but they are requested to take the test and participate in its final review to receive factory trained status). End users of Waukesha products are welcome to attend also, but must be sponsored by a Waukesha distributor. Transportation and hotel costs are the responsibility of the attendee. This newly revised course thoroughly covers the designs, adjustments and procedures that are unique to the VHP engine line. Students receive hands on training in small groups on overhaul procedures and fuel system adjustments and troubleshooting.

Objectives:

- ☑ Familiarize students with Waukesha engine models and features
- ☑ Understand cooling system design and maintenance
- ☑ Product up dates
- ☑ Series 4
- ☑ Gain an understanding on natural gas engine fuel systems
- ☑ Learn Governor and linkage adjustments
- ☑ Understand the lubrication and crankcase breathing systems
- ☑ VHP hands on LABS

Course Length: 4 Days

Maximum Students: 7

Registration Fee: 1400.00

Technical Training: Waukesha Engine Courses

Waukesha EOT: VHP Engine Operator Technology

This course is designed specifically for those professionals who operate Waukesha VHP series engines and perform light routine maintenance. The DVD and manual combination is to assist operators in the basic understanding of various engine related systems and maintenance relating to Waukesha's VHP engine line. As part of this class students will have the opportunity to have minor hands on training with the aid of a cutaway VHP L-7042 engine to look at the engine systems, There are no prerequisites for this EOT class

Objectives:

- Breathing system and maintenance
- Ignition system and maintenance
- Lubrication system service and maintenance
- Lube Oil Analysis
- Cooling system maintenance
- Fuel system description and maintenance
- Valve adjustment and inspection
- Overall engine maintenance and inspection

Course length: 3 Days

Maximum students: 15

Registration Fee: \$850.00

Waukesha ESM: Engine Systems Manager

It is designed specifically for technicians who will be responsible to install, program, adjust, and troubleshoot the Engine System Manager (ESM). Only technicians who are certified in GET (Gas Engine Technology) may attend. Although not required, it is also very helpful if the technician is certified in the VHP Technology course. The ESM course is taught with the understanding that the students understand governing, capacitive discharge ignition systems, and are thoroughly experienced with adjusting fuel systems. In addition, they must know how to troubleshoot electrical systems, and perform basic tasks on a laptop computer using Microsoft Windows®. Students are encouraged to bring their own ESM manuals and highlighting pens so they can make notes within their own books. However, PTC-owned copies of the manuals are available for student use during the week (only). Students are encouraged to download the latest ESP software from WEDLink.net prior to attending. If a student brings a laptop, he will be able to load the ESP software during the week and ensure his laptop works properly. However, a laptop is not required to attend. **Prerequisite:** GET Gas Engine Technology course

Objectives:

- ESM Electrical Basics and Power Supplies
- Understand ESM Theory and Components
- Learn Basics of the Electronic Service Program (ESP)
- Understand Air Fuel Ration Control and the ESM
- Understand Packaging of the ESM
- Learn basics of Troubleshooting of the ESM

Course Length: 2 Days

Maximum Students: 15

Registration Fee: 750.00

Houston Training Center

Our Mission Statement

To partner with Divisional Business Units in developing intellectual capital through the pursuit of knowledge, transfer of skills, and development of employees contributing to the success of Stewart & Stevenson.

Your Houston Training Center is ready to help you achieve your goals.

- Certified Instructors
 - Customized Courses
 - Performance Consulting
 - Needs Analysis
 - Cost Effective Solutions
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