

SERVICE TRAINING ACADEMY

DAIMLER TRUCKS NORTH AMERICA

STA Guideline: Vehicle Course Prerequisites

Contents

List of Courses with Required Prerequisites

[Course Prerequisites](#)

[Frequently Asked Questions](#)

Glossary of common terms

Revision Record

Version

V6b

September 29, 2015

This document pertains to the technical service training courses for Daimler Trucks North America LLC products offered by Service Training Academy and its affiliates. Attendees to such courses must comply with the required prerequisites as presented here.

STA Courses with Their Prerequisites

↳ Note: Prerequisites may include WBT, ILT, or both.

CVG01 – HEAVY DUTY TRUCK SYSTEMS

Course ID	Course Title	Recommended Order	WBT	ILT
OVQ32	DTNA Technician Orientation	1	✓	
OVG17	New Steering Systems	2	✓	
OVG16	Drivetrain	3	✓	
OVB03	'Gimme a Brake' Foundation Parts	4	✓	
OVB02	The Pressure's On Air Brakes	5	✓	
OVB08	Daimler Trucks North America Secondary Air	6	✓	
OVE23	Basic Troubleshooting Process	7	✓	
WWQ30	The 3Cs: Complaint, Cause and Correction	8	✓	
OVE26	CGM View Tutorial	9	✓	
OEP28	Coolant Web Course	10	✓	

CVE12 - ELECTRICAL TROUBLESHOOTING

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
OVE08	Basic Electricity: Symbols & Diagrams	2	✓	
OVE07	Basic Electricity: Magnetism	3	✓	
OVE22	Seven Steps to Circuit Mapping	4	✓	
OVD08	Starter Circuit Quick Test	5	✓	
OVE21	New A06 Harness DWG Stds	6	✓	
OEE31	Basic Electricity	7	✓	
FSW259	EZWiring Assessment	8	✓	
OVV39E	Powernet – System Overview	9	✓	
OVV29E	Powernet – Battery Testing	10	✓	
OVV33E	Powernet – Cable Voltage Drop Testing	11	✓	
OVV34E	Powernet – System Loads	12	✓	
OVV35E	Powernet – Charging Systems	13	✓	
OVV36E	Powernet – Starting System	14	✓	

CVE05 - ELECTRONIC SYSTEMS

Course ID	Course Title	Required Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
CVE12	Electrical Troubleshooting	2		✓
OVE28	eComponents Tutorial	3	✓	
OVE29	Service Wiring Tutorial	4	✓	
OVT10	Datalink and Communication	5	✓	
OVE34E	Wiring Harness Repair vs. Replace	6	✓	
OVV40	PNDB LED Troubleshooting	7	✓	

CVH02 - HVAC DIAGNOSTICS

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
CVE12	Electrical Troubleshooting	2		✓
CVE05	Electronic Systems	3		✓
OVH03	The 7 Steps to Leak Detection	4	✓	
OVQ26	Introduction to ParkSmart Auxiliary HVAC Training	5	✓	
OVH12	HVAC Fundamentals	6	✓	
OVH13	A/C Question and Learn	7	✓	

CVL02 - BUSINESS CLASS M2

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
CVE12	Electrical Troubleshooting	2		✓
CVE05	Electronic Systems	3		✓
CVH02	HVAC	4		✓
OVE31	M2 Multiplexed Electronics	5	✓	
OVB05	Hydraulic Brake Simulator	6	✓	
OVQ02	Intro to the FTL AMT3 Transmission	7	✓	
OVQ23	Introduction to the Air Management Unit	8	✓	
OVM09	Servicing Pin Slide Calipers	9	✓	
OVT11	M2 Troubleshooting	10	✓	
SMRTPLXVID1	SmartPlex Video Part 1 - Programming	11	✓	
SMRTPLXVID2	SmartPlex Video Part 2 - Troubleshooting	12	✓	

CVL03 – CASCADIA

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
CVE12	Electrical Troubleshooting	2		✓
CVE05	Electronic Systems	3		✓
CVH02	HVAC	4		✓
OVE10	Cascadia: New Electronics Systems	5	✓	
OVM03	Cascadia: New Systems and Serviceability	6	✓	
OVD05	Cascadia: ServiceLink Diagnostics	7	✓	
OVD16	DiagnosticLink 8.0 for Vehicle	8	✓	
OVG30	Detroit Assurance Overview	9	✓	
OVG31	Detroit Assurance Troubleshooting	10	✓	

CVL01 – WESTERN STAR

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
CVE12	Electrical Troubleshooting	2		✓
CVE05	Electronic Systems	3		✓
CVH02	HVAC	4		✓
OVL02	Star Gauges	5	✓	
OVD16	DiagnosticLink 8.0 for Vehicle	6	✓	
OVQ16	Western Star 5700 Introduction	7	✓	

CVG12 – DT12 TRANSMISSION

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
OVE08	Basic Electricity: Symbols & Diagrams	2	✓	
OVE07	Basic Electricity: Magnetism	3	✓	
OVE22	Seven Steps to Circuit Mapping	4	✓	
OVD08	Starter Circuit Quick Test	5	✓	
OVE21	New A06 Harness DWG Stds	6	✓	
OEE31	Basic Electricity	7	✓	
FSW259	EZWiring Assessment	8	✓	
OVV39E	Powernet – System Overview	9	✓	
OVV29E	Powernet – Battery Testing	10	✓	
OVV33E	Powernet – Cable Voltage Drop Testing	11	✓	
OVV34E	Powernet – System Loads	12	✓	
OVV35E	Powernet – Charging Systems	13	✓	
OVV36E	Powernet – Starting System	14	✓	
OVG10	DT12 Familiarization	11	✓	
OVG11	DT12 Component Identification	12	✓	
OVG12	DT12 Mechanical Theory and Operation	13	✓	
OVG13	DT12 Pneumatic Theory and Operation	14	✓	
OVG14	DT12 Diagnostics and Repair Part 1	15	✓	
OVG15	DT12 Diagnostics and Repair Part 2	16	✓	
OVD16	DiagnosticLink 8.0 for Vehicle	17	✓	

CVG16 – DETROIT AXLE PRODUCTS

Course ID	Course Title	Recommended Order	WBT	ILT
CVG01	Heavy Duty Truck Systems	1		✓
OVE08	Basic Electricity: Symbols & Diagrams	2	✓	
OVE07	Basic Electricity: Magnetism	3	✓	
OVE22	Seven Steps to Circuit Mapping	4	✓	
OVD08	Starter Circuit Quick Test	5	✓	
OVE21	New A06 Harness DWG Stds	6	✓	
OEE31	Basic Electricity	7	✓	
FSW259	EZWiring Assessment	8	✓	
OVV39E	Powernet – System Overview	9	✓	
OVV29E	Powernet – Battery Testing	10	✓	
OVV33E	Powernet – Cable Voltage Drop Testing	11	✓	
OVV34E	Powernet – System Loads	12	✓	
OVV35E	Powernet – Charging Systems	13	✓	
OVV36E	Powernet – Starting System	14	✓	
OEG04	Driver Controlled Differential Lock DCDL	11	✓	
OEG05	Differential Rebuild Procedures	12	✓	
OEG06	Interaxle Differential Replacement Procedures	13	✓	
OEG07	Detroit Axle Familiarization	14	✓	
OEG08	Detroit Axle Differential Component Identification and Operation	15	✓	
Video27Exam	Detroit Model 4 Axle Pinion Bearing Replacement Video	16	✓	

FAQ

HOW DO I ENROLL FOR THE COURSE?

The enrollment process is handled by ARC.

DO THE PREREQUISITES NEED TO BE DONE BEFORE I ENROLL?

Yes. This helps us ensure that the technicians attending our course at least have a consistent knowledge base to build from.

WHY CAN'T I TAKE A COURSE WITHOUT MEETING PREREQUISITES?

Over the last 10 years, vehicles have advanced dramatically in all systems - especially electrical and electronic systems. There have also been dramatic advances in our information systems and the way technicians employ diagnostic and repair strategies. Our courses are very focused and designed to be appropriate for the technician's level of ability. Prerequisites are the means of verifying a technician's skill level.

WE RECENTLY HIRED A VETERAN TECHNICIAN, DO THEY NEED ADDITIONAL TRAINING?

We have found that our updated courses offer even the most seasoned technician a rich learning experience. These courses are required because, even for seasoned technicians, the vehicles have changed dramatically in the past few years.

Glossary

Acronym	Term	Definition
DTNA	Daimler Trucks North America	
STA	Service Training Academy	The group within Customer Service Excellence Team responsible for teaching service repair and diagnostic procedures to technicians and dealership/distributor trainers.
ILT	Instructor-Led Training	Training conducted in a classroom by an instructor
WBT	Web-Based Training	Training available on the internet
HVAC	Heating, Ventilation, Air Conditioning	
HDTS	Heavy Duty Truck Systems	
-	Prerequisite	Completion of a course (WBT or ILT) required prior to registration or attendance to another course.

Revision Record

Work package	STA Guideline: Vehicle Course Prerequisites
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5/6/2011	1A	Page 1	J. Scott Carroll	Title change; added "vehicle". Version change to v1A format.
1/13/2012	1B	Page 4	S. Hinson	Added Western Star and removed DDC courses
6/29/2012	1c	Page 4	K.Miller	FAQ – edited text
5/17/13	1d	Footer	K.Miller	Email address changed
5/17/13	1d	Title	K.Miller	Changed title to Vehicle from Chassis
1/28/14	2a	CVG01	K.Miller	Added and removed courses
1/28/14	2a	CVE05	K.Miller	Added course
1/28/14	2a	CVL02	K.Miller	Added and removed courses
10/02/14	3a	CVG01	K.Miller	Removed courses
10/02/14	3a	CVL02	K.Miller	Removed courses
10/02/14	3a	FAQ	K.Miller	Edited text
10/15/14	3b	CVG01	K.Miller	Added course
05/18/15	4	CVG01	K.Miller	Added courses
05/18/15	4	CVE12	K.Miller	Added courses
05/18/15	4	CVE05	K.Miller	Added courses
05/18/15	4	CVH02	K.Miller	Added courses
05/18/15	4	CVL03	K.Miller	Added courses
05/18/15	4	CVL01	K.Miller	Added courses
05/18/15	4	CVG12	K.Miller	Added class and prerequisites
05/18/15	4	CVG16	K.Miller	Added class and prerequisites
05/28/15	4a	CVL01	K.Miller	Updated OVD 16 course name
08/05/15	5a	CVG01	K.Miller	Added course
08/05/15	5a	CVG12	K.Miller	Added course
08/05/15	5a	CVG16	K.Miller	Updated OVD 16 course name
08/05/15	5a	CVE05	K.Miller	Added course
08/05/15	5a	CVH02	K.Miller	Added course
10/02/15	6a	CVE12	K.Miller	Added 6 courses
10/02/15	6a	CVE12	K.Miller	Removed 2 courses
10/02/15	6a	CVE05	K.Miller	Added course
10/02/15	6a	CVG12	K.Miller	Added 6 courses
10/02/15	6a	CVG12	K.Miller	Removed 2 courses
10/02/15	6a	CVG16	K.Miller	Added 6 courses
10/02/15	6a	CVG16	K.Miller	Removed 2 courses