



Volvo Construction Equipment

2020 – 2021 COURSE BROCHURE

ROAD INSTITUTE®



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PAVER AND COMPACTOR OPERATION AND MAINTENANCE

Objective: To utilize applied training techniques to instruct paving and compaction best practices to those people with responsibility for or interest in the operation/management of contemporary paving equipment. To correctly and safely utilize a paver and compactor to their fullest potential while achieving the highest quality work without sacrificing production or increasing costs.

Who should attend: Any individual with interest in, or responsibility for, the laydown and/or compaction of HMA, WMA, SMA, or Thinlays™.

Duration: 3.5 Days (2 full days hands-on)

Course location: Shippensburg, PA
Phoenix, AZ

Description:

- Paving safety
- Materials discussion-HMA, SMA, WMA, Thinlays™
- Paver operation overview
- Paver preparation
- Paver and screed operation
 - Hands-on paver set-up and operation
 - Joint construction
 - Screed operation
 - Troubleshooting mat defects
 - AGS operation w/Blaw-Kontrol, Topcon or Moba
- Compactor operation overview
- Compactor preparation
- Compactor operation
 - Hands-on compactor set-up and operation
 - Joint compaction
 - Vibratory system operation
 - Overview and operation of Volvo Intelligent Compaction with Density Direct
 - Troubleshooting compaction issues
- Maintenance procedures



Look for special
Blaw-Kontrol, Topcon,
Moba & Spanish
course dates

Session #	Session Dates	Course	C / D	Location
101	Nov. 10 - 13, 2020	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ
102	Dec. 8 - 11, 2020	Paver and Compactor Operation & Maintenance (Blaw-Kontrol)	C / D	AZ
103	Jan. 5 - 8, 2021	Paver and Compactor Operation & Maintenance (Moba)	C / D	AZ
105	Jan. 19 - 22, 2021	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ
106	Feb. 2 - 5, 2021	Paver and Compactor Operation & Maintenance (Topcon)(ESP)	C / D	AZ
107	Feb. 16 - 19, 2021	Paver and Compactor Operation & Maintenance (Blaw-Kontrol)	C / D	AZ
108	Mar. 2 - 5, 2021	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ
110	Mar. 23 - 26, 2021	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ
113	Apr. 13 - 16, 2021	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ
114	Apr. 20- 23, 2021	Paver and Compactor Operation & Maintenance (Moba)	C / D	PA
115	Apr. 27- 30, 2021	Paver and Compactor Operation & Maintenance (Topcon)	C / D	AZ



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PAVING AND COMPACTION APPLICATION SEMINAR

Objective: To utilize applied training techniques to teach paving and compaction best practices to those people with responsibility for or interest in the operation/management of contemporary paving equipment. Also, to correctly and safely utilize a paver and compactor to their fullest potential while achieving the highest quality work without sacrificing production or increasing costs.

Who should attend: Any individual with interest in, or responsibility for, the laydown and/or compaction of HMA, WMA, SMA, or Thinlays™.

Duration: 2 Days (classroom only)

Course location: Shippensburg, PA

Description:

Best practices in paving

- Paving safety
- Materials discussion-HMA, SMA, WMA, Thinlays™
- Paver operation overview
- Paver tractor and screed operation
 - Proper machine setup
 - Controlling factors affecting screed
 - Managing material through paver
 - Achieving a quality mat
 - Joint construction
 - Automatic controls and referencing systems
 - Troubleshooting mat defects
 - Paver maintenance

Best practices in rolling

- Compactor operation overview
- Compactor operation
 - Compaction principles
 - Vibratory system
 - Factors affecting compaction
 - Compaction techniques
 - Joint compaction
 - Troubleshooting compaction deficiencies
 - Overview of Volvo Intelligent Compaction with Density Direct
 - Compactor maintenance
 - Applications



Session #	Session Dates	Course	C / D	Location
104	Jan. 12 - 13, 2021	Paving and Compaction Application Seminar	C / D	PA
112	Apr. 6 - 7, 2021	Paving and Compaction Application Seminar	C / D	PA



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PAVER HYDRAULIC & ELECTRICAL SYSTEMS – P7000/P7000B (STEP 1)

Objective: To familiarize technicians with the hydraulic and electrical systems of the Volvo Blaw-Knox P7000 series pavers. This will include hands-on troubleshooting.

Who should attend: Anyone responsible for the service and/or repair of the Volvo Blaw-Knox P7000 series pavers.

Duration: 4.5 Days (Step 1)

Course location: Chambersburg, PA

Description:

- Paving safety
- Paving history
- Paver operation overview
- Electrical and hydraulic schematics
- Paver diagnostic tools
- Examine and troubleshoot screed heating system
- Mechanical adjustment of Volvo screeds
- Simulate paver set-up
- Automatic Grade & Slope (AGS) systems with a P7000/P7000B
- Hands-on exercises used throughout the course



Session #	Session Dates	Course	C / D	Location
202	Jan. 18 - 22, 2021	Paver Hydraulic and Electrical Systems P7000/P7000 B (Step 1)	C	PA
204	Feb. 8 -12, 2021	Paver Hydraulic and Electrical Systems P7000/P7000 B (Step 1)	C	PA



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PAVER HYDRAULIC & ELECTRICAL SYSTEMS - P4410/P4410B

PAVER HYDRAULIC & ELECTRICAL SYSTEMS - P5000B

Objective: To familiarize technicians with the hydraulic and electrical systems of the Volvo Blaw-Knox pavers. This will include hands-on troubleshooting.

Who should attend: Anyone responsible for the service and/or repair of the Volvo Blaw-Knox pavers; P4410B or P5000B pavers.

Duration: 4 Days (P4410B)
4.5 Days (P5000B)

Course location: Chambersburg, PA

Description:

- Paving safety
- Paving history
- Paver operation overview
- Examine electrical and hydraulic systems
- Examine screed heating system
- Review various screeds and respective tractors
- Simulate paver set-up
- Automatic Grade & Slope (AGS) systems and troubleshooting
- Hands-on exercises used throughout the course



Session #	Session Dates	Course	C / D	Location
201	Dec. 8 - 11, 2020	Paver Hydraulic & Electrical Systems P4410/P4410B	C	PA
205	Feb. 22 -26, 2021	Paver Hydraulic & Electrical Systems P5000B	C	PA



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SMALL ASPHALT COMPACTOR MECHANICS

Objective: This instructor led course will give you a general product overview of the Shippensburg manufactured Small Asphalt Compactors (less than 7 ton). General service course for personnel with basic asphalt compactor experience. Models covered: DD15, DD25B, DD30B, DD35B, CR30B and CR35B Small Asphalt Compactors.

Areas covered: Technical product information, system functions, troubleshooting and adjustments of the hydraulic system and electric system.

Who should attend: Any individual responsible for the service and repair of small (< 7 ton) ride-on asphalt compactors.

Duration: 3 Days

Course location: Chambersburg, PA

Description:

- Basic application
- Small asphalt compactor types and utilization
- Main systems' function and design
- Inspect and adjust components according to service manual
- Service machine according to operator's manual
- Basic troubleshooting activities
- Locate relevant methods in service documentation



Session #	Session Dates	Course	C / D	Location
207	Mar. 16 - 18, 2021	Small Asphalt Compactor Mechanics	C	PA



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LARGE ASPHALT COMPACTOR MECHANICS

Objective: This instructor led course will give you a general product overview of the Large Asphalt Compactors (> 7 ton). General service course for personnel with basic asphalt compactor experience. Models covered: Shippensburg manufactured Large Asphalt Compactors DD110C thru DD140C. Areas covered: technical product information, system functions, troubleshooting and adjustments of the hydraulic system and electric system.

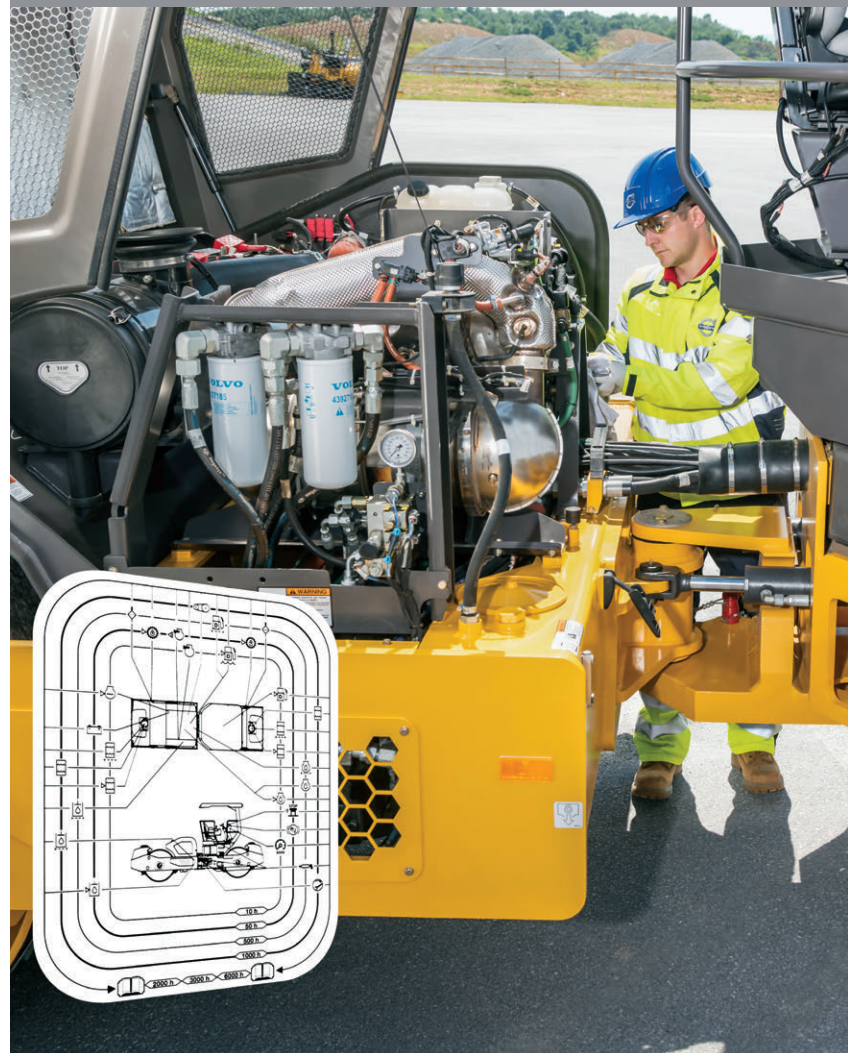
Who should attend: Any individual with more than one year experience and is responsible for the maintenance and repair of current models of Volvo large asphalt compactors.

Duration: 3 Days

Course location: Chambersburg, PA

Description:

- Basic application
- Large asphalt compactor types and utilization
- Main system function and design
- Inspection and adjustments according to service manual
- Service according to operator's manual
- Basic troubleshooting
- Locate relevant methods in service documentation



Session #	Session Dates	Course	C / D	Location
203	Jan. 26 - 28, 2021	Large Asphalt Compactor Mechanics	C	PA



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SOIL COMPACTOR MECHANICS

Objective: This instructor led course will give you a general product overview of the Shippensburg manufactured Soil Compactors. General service course for personnel with basic soil compactor experience. Models covered: current production SD45B thru SD115B Soil Compactors. Areas covered: technical product information, system functions, troubleshooting and adjustments of the hydraulic system and electric system.

Who should attend: Any individual responsible for maintenance and repair of current models of soil compactors.

Duration: 3 Days

Course location: Chambersburg, PA

Description:

- Basic application
- Soil compactor types and utilization
- Main systems' function and design
- Inspection and adjustments according to service manual
- Service according to operator's manual
- Basic troubleshooting
- Find relevant methods in the service documentation



Session #	Session Dates	Course	C / D	Location
206	Mar. 2 - 4, 2021	Soil Compactor Mechanics	C	PA



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Session #	Session Dates	Course	Location	C / D
101	Nov. 10 - 13, 2020	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D
201	Dec. 8 - 11, 2020	Paver Hydraulic & Electrical Systems - P4410/P4410B	PA	C
102	Dec. 8 - 11, 2020	Paver and Compactor Operation & Maintenance (Blaw-Kontrol)	AZ	C / D
103	Jan. 5 - 8, 2021	Paver and Compactor Operation & Maintenance (Moba)	AZ	C / D
104	Jan. 12 - 13, 2021	Paving and Compaction Application Seminar	PA	C / D
202	Jan. 18 - 22, 2021	Paver Hydraulic & Electrical Systems - P7000/P7000B	PA	C
105	Jan. 19 - 22, 2021	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D
203	Jan. 26 - 28, 2021	Large Asphalt Compactor Mechanics	PA	C
106	Feb. 2 - 5, 2021	Paver and Compactor Operation & Maintenance (Esp.)(Topcon)	AZ	C / D
204	Feb. 8 - 12, 2021	Paver Hydraulic & Electrical Systems - P7000/P7000B	PA	C
107	Feb. 16 - 19, 2021	Paver and Compactor Operation & Maintenance (Blaw-Kontrol)	AZ	C / D
205	Feb. 22 - 26, 2021	Paver Hydraulic & Electrical Systems - P5000B	PA	C
206	Mar. 2 - 4, 2021	Soil Compactor Mechanics	PA	C
108	Mar. 2 - 5, 2021	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D
207	Mar. 16 - 18, 2021	Small Asphalt Compactor Mechanics	PA	C
109	Date and Time TBA	Paving Best Practices Webinar	Online	C / D
110	Mar. 23 - 26, 2021	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D
111	Date and Time TBA	Paving Best Practices Webinar	Online	C / D
112	Apr. 6 - 7, 2021	Paving and Compaction Application Seminar	PA	C / D
113	Apr. 13 - 16, 2021	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D
114	Apr. 20 - 23, 2021	Paver and Compactor Operation & Maintenance (Moba)	PA	C / D
115	Apr. 27 - 30, 2021	Paver and Compactor Operation & Maintenance (Topcon)	AZ	C / D

HOTEL AND TRANSPORTATION INFORMATION

Factory Training Facilities:

**1280 Superior Ave.
Chambersburg, PA.**

**200 Rowe Rd.
Shippensburg, PA.**

The closest airports are:

Harrisburg, PA (MDT) 75 min. away
Baltimore, MD (BWI) 120 min. away
Washington DC (IAD) 120 min. away

Hotels available near the two facilities:

Country Inn & Suites - Phone: (717) 261-0900
Springhill Suites by Marriott - Phone: (717) 263-1300
Holiday Inn Express - Phone: (717) 709-9009
Hampton Inn - Phone: (717) 261-9185
Courtyard by Marriott Shippensburg - Phone: (717) 477-0680

Phoenix Training Facility:

**4323 E. Winslow Ave.
Phoenix, AZ.**

The closest airport is Sky Harbor (PHX),

which is about 2 miles from the facility.
Airlines that fly into Phoenix: All major airlines.

Hotels available near the Phoenix facility:

Drury Inn and Suites - Phoenix Airport - Phone: (602) 437-8400
Holiday Inn and Suites - Phoenix Airport - Phone: (480) 543-1700

Transportation between airport and hotel and to and from training is the responsibility of the student.

REGISTRATION



**Visit our web site at
roadinstitute.com to
register and for the most
up-to-date information.**

For additional information or to register:

E-Register: **roadinstitute.com**

E-mail: **roadinstitute@volvo.com**

Mail to: **Volvo Construction Equipment**

Attention: Road Institute

**1280 Superior Ave.
Chambersburg, PA 17201
Phone: 1 (866) 497-4501**

MEET OUR TEAM



Wayne Tomlinson

Wayne has 31 years of experience in roles related to equipment service, system specification and training. In 1999, Wayne joined the road machinery business as a Technical Service Representative assisting dealers and customers with compaction products. Since 2004, he's been the Road Institute® Compaction Training Specialist conducting operation and applications training for asphalt and soil compaction products.



Foster Ladlee

Foster has 13 years of paving experience with Blaw-Knox pavers and various other types' of related equipment. He has spent the majority of his career as a screed operator with additional time spent on compactors and as a skid steer mill operator. During this time, his company focused mainly on commercial, residential and road paving throughout the mid-Atlantic region. He joined the Road Institute® in 2018 as a Paver Training Specialist focusing on operation/application and technical service training.



Flemming Knudsen

Flemming has 46 years in the construction equipment industry and 30 years with paving specifically. He began working for a manufacturer, worked for a dealer and an end user. Most of his career was spent as a trainer and field product support representative. He joined Volvo and the GCD training group as a paver specialist in 2008 and joined the Road Institute® full time and focuses on paver operator and service training. Flemming retired in December 2018, but may continue to perform paver service training classes.

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