



PETERBILT

ESSENTIALS

**MODULE 1**

**PETERBILT MODEL IDENTIFICATION**



CLASS PAYS

# PETERBILT ESSENTIALS – MODULE 1

## INTRODUCTION

Welcome to New Peterbilt Essentials. The objective of this series of training modules is to bring you "up to speed" on the essential information you need to know about Peterbilt trucks, their construction and major components.

Module One provides a concise introduction to the Peterbilt truck model line.

Succeeding modules present more detailed information about major truck operating systems.

## HOW TO USE NEW PETERBILT ESSENTIALS

1. Print the module and study the information. To print, click the printer icon on your browser. Highlight material that is new to you, or complex.
2. When you are ready to take the online test, click the "Begin" button in the "Test" column for the desired module. When the test is completed, it will automatically be scored and the results will be entered in the Peterbilt training records database.
3. Upon successful completion of all modules, you will receive a personalized certificate.

**It is recommended that you complete these training modules in sequence since each succeeding module builds on the previous module.**



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# PETERBILT ESSENTIALS – MODULE 1

## MODULE 1 – MODEL IDENTIFICATION

Peterbilt trucks can be grouped into four model categories:

- Traditional
- Aerodynamic
- Vocational
- Medium duty

### TRADITIONAL MODELS

The Peterbilt Model 389 and Model 388 follow styling that has defined the traditional look for a generation of Peterbilt trucks. These models are very versatile. They can be configured to meet the needs of a wide range of applications and business requirements.



*Model 389*

Each of these models can serve as a day cab or be fitted with a full range of Unibilt® sleepers. Sleepers can also be removed to convert the truck into a day cab for a second or third life in a new application.

These models can be equipped with manual or automated transmissions, numerous types of axles and suspensions rated for on- and off-highway use and cab and sleeper packages. The wheelbase can be adjusted in one-inch increments; six different frame rails are offered to custom match strength-to-weight requirements.



*Model 388*

### Distinctive Features

- The Model 389 has a long-length hood.
- The Model 388 has a mid-length hood.

Model 389 and Model 388 share the following features and benefits.

- An aluminum cab provides a lightweight cab that is strong and rust-free.
- An aluminum hood with a lightweight, durable one-piece grille crown improves airflow over and around the hood.
- A 90-degree forward hood tilt simplifies electrical wiring and hose routings and creates easy access to key service points under the hood. The hood also has an anti-blowdown protection feature to prevent the hood from unintentionally closing.
- Three interior trim levels and four color options are available. Interior trim options include Platinum, Prestige and ProBilt. Color options include Arctic Gray, Burgundy Wine, Maritime Blue and Saharan Tan. The ProBilt trim option is available in Arctic Gray only.
- Rocker switches are within easy reach. Ergonomically arrayed LED backlit gauges help reduce eye fatigue.
- Storage is abundant.
- There are several choices of audio systems.
- A durable chassis design provides excellent maneuverability. These trucks have a 45-degree right wheel cut and a 55-degree left wheel cut.

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- A wide range of sleepers are available. Sleepers are available in 70-, 63-, 48- and 36-inch lengths. Two trim levels are available for these sleepers: Platinum and Prestige. There are closet and cabinet options and bunks are available in several configurations, including a double bunk. Lighting is abundant and controlled through a bunk-side control panel. This panel also features a digital alarm clock, controls for the HVAC system, stereo and optional refrigerator/freezer. Detailed information concerning sleeper shape and construction will be covered in Module 3.



- An optional dash-mounted Peterbilt navigation system uses the Global Positioning System. The system includes audible directions and a touch-sensitive screen for ease of use. The system also doubles as an MP3 player integrated with the truck's audio system. The Peterbilt navigation system is standard with the Platinum level cab interior.

- An optional aerodynamic fuel efficiency package consists of the following:
  - Contoured sunvisor and roof fairing.
  - Oval-shaped, cab-mounted exhaust.
  - Aerodynamic air cleaners with trim panels.
  - Streamlined tool and battery boxes.



A high-grade aluminum headlamp pod is durable and corrosion-resistant. An impact-resistant lens cover protects the lighting assembly. An integrated, long-life LED turn signal is also used. Halogen low-beam projector and high-beam complex reflector lights evenly distribute forward lighting.

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## AERODYNAMIC MODELS

Four Peterbilt trucks are in the aerodynamic category: Model 387, the similar Model 387 Day Cab, Model 386 and its companion Model 384.



Model 387

The following are features and benefits shared by the Model 387 and Model 387 Day Cab.

- Sloped hood and grill, rounded crown and swept-back fenders all add to the aerodynamic design of these models.
- High-intensity integrated headlamps provide forward lighting that is evenly distributed down the road for improved safety. No special tools are required for lamp adjustment or bulb replacement.
- Interior lighting and storage are abundant. There is a foot-activated tilt-telescoping steering wheel. Interiors are available with mid- or premium-level trim packages and four color options: Arctic Gray, Burgundy Wine, Maritime Blue and Saharan Tan.



### Distinctive Features of the Model 387 Day Cab

- A large, one-piece wraparound windshield and 1,200 square inches of rear window provide superior visibility.
- Available in a mid-length, 112-inch BBC (bumper to back of cab), and a premium-length, 120-inch BBC.
- The front-axle position provides excellent handling and exceptional maneuverability.



Model 387 Day Cab

The following are features and benefits of both the Model 386 and Model 384.

- The hood opens 90 degrees to provide easy access to the engine.
- Integrated headlamps provide excellent forward visibility. Headlamps are protected by a tough Lexan® lens. Lights are equipped with long-life bulbs and they are easy to replace and adjust.
- The set-back front axle allows for a short wheelbase and, combined with a 50-degree wheel cut, provides outstanding maneuverability.
- A two-piece flat windshield is used, providing low cost replacement.
- These two models can be configured as a day cab or with the full range of Peterbilt Unibilt® sleepers.



Model 386



Model 384

### Distinctive Features

- The Model 386 has a long-length hood.
- The Model 384 has a mid-length hood.
- Model 384 has a metal bumper. Model 386 has a contoured Metton™ bumper.

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## VOCATIONAL MODEL 367, MODEL 365 AND MODEL 320



*Model 367*

The Model 367 can be equipped to take on the full range of rugged vocational applications. It can also be configured to comply with various state and federal bridge law requirements. Manual, automated and automatic transmissions are available, as well as numerous heavy-duty axle and suspension options. Both forward and rear power take-off (FEPTO and REPTO) are available. This model is also available in a heavy-haul design with a high-capacity cooling system ideal for oilfield and stationary applications.



*Model 365*

The Model 365 can also be equipped with numerous axle and suspension options. This vehicle can be construction-ready with Peterbilt's transit mixer and transfer dump packages. The Model 365 can be equipped with 36-, 48- and 63-inch low-roof Unibilt® sleepers.

The following features and benefits are common to the Model 367 and Model 365.

- These vehicles feature an all aluminum cab and composite hood, with a one-piece crown and stainless steel grille. A severe service cab is also available.

- The front bumper accommodates both a center hood and a dual, removable pin that exceeds an 80,000-pound towing capacity.
- The set-back front-axle position provides 50 degrees of wheel cut in both directions. The set-forward front-axle position provides 55 degrees of wheel cut on a left turn and 45 degrees to the right.
- High-performance lighting provides excellent low-beam performance and longer bulb life. The lighting assembly is protected by a durable, corrosion-resistant aluminum housing.
- Three trim levels are available: Platinum, Prestige and ProBilt. Four color options are also available: Arctic Gray, Burgundy Wine, Maritime Blue and Saharan Tan. The rugged ProBilt package is designed for vocational applications, available in Arctic Gray only.
- The Peterbilt navigation system can also be installed.
- The Model 367 has a long-length hood and a mid-length 124-inch BBC.
- The Model 365 has a mid-length hood and a short-length 115.9-inch BBC.
- Dual steering gears are available.



The Model 320 is ideally suited for the harsh demands of waste disposal, specialty construction or transportation. It is available in a variety of cab configurations, including left-hand, right-hand or dual drive with right-hand stand up. The cab is a full eight feet wide, offering plenty of operating room. It is constructed with these features:

- A corrosion-resistant aluminum cab. The skin is huckbolted together for superior strength and easy repair.
- An electronics distribution center allows immediate access to all fuses and circuitry.
- Available with a front-end PTO option.



*Model 320*

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- The vehicle has a tall windshield and low-dash design to increase forward visibility.
- Optionally, pre-wiring for a camera can provide visibility all the way around the truck.
- The cab tilts a full 65 degrees for easy access to the engine and drivetrain.

- Stainless steel grille with chrome surround.
- Same advanced headlamp system as Model 330 and Model 335.

## MEDIUM DUTY MODELS

The Model 325 is tailor-made for a wide range of Class 5 applications including vehicle recovery and towing, lease/rental, pick-up and delivery and business services such as parcel delivery, landscaping and construction. The following are some of the features incorporated in the Model 325.



- Rated at 19,500 pounds in a straight truck configuration.
- Equipped with a fuel-efficient PACCAR PX-6 engine available in 200, 240 and 300 horsepower with torque ratings up to 620 pounds-feet.
- Standard with front and rear hydraulic disc brakes with ABS.
- 6-speed manual transmission. An automatic transmission is an option.
- All-aluminum cab and steel bumper.
- Aerodynamic hood and fenders made from Metton™.



The Model 330 is a Class 6 vehicle that is simple to operate and can be configured with either air or hydraulic brakes for non-CDL operation. It is available with a 26,000-pound GVW rating and can be customized with numerous options. It is powered by the PACCAR PX-6 engine with optional power ratings from 200-325 horsepower.

The Model 335 is available as a Class 6 and 7 vehicle. It can be used in a wide variety of applications including pickup-and-delivery, construction, fire and rescue, beverage, municipal and refuse disposal. The vehicle will accommodate either the PACCAR PX-6 or PACCAR PX-8 engine.

The Model 340 is ideally suited for dump, mixer and crane applications. Many heavy-duty options are available, such as double frame rails, 20,000-pound front axles, 46,000-pound rear axles and frame extensions. The standard engine is the PACCAR PX-8 with power ratings from 240-330 horsepower. It can be equipped with FEPTO and REPTO provisions.

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Model 335

Peterbilt vocational trucks Model 340, Model 335 and Model 330 share the following features:

- An all-aluminum, lightweight cab.
- An aerodynamic Metton™ hood.
- An advanced forward lighting system that uses a complex reflector with a halogen bulb.



Model 340

The Peterbilt Model 220 is a unique vehicle designed for local haul and delivery.

Features and benefits of the Model 220 include:

- A wraparound dash provides excellent ergonomics.
- The spacious cab allows for excellent cross-cab access, useful when drivers need to enter or exit from the passenger side in high-traffic areas.
- Lighting and storage areas are abundant.
- It is equipped with heating and air conditioning; cruise control; power windows; tilt steering; air suspension driver seat and two-person passenger bench seat.



Model 220

- The cab can be tilted forward 55 degrees for easy access to the engine compartment. A hydraulic lift mechanism makes raising and lowering the cab almost effortless.



Model 220 cab tilted 55 degrees.

- Doors open a full 90 degrees and grab handles and non-slip step treads provide greater, safer accessibility.
- Aerodynamically styled heated side mirrors can be adjusted from inside. The mirror arms use a fold-back design to help prevent damage in the event of impact.
- The bumper is constructed of three-millimeter-thick solid steel for durability and protection. Towing points are easy to access.
- The headlamps use complex reflectors for superior forward lighting. The lamps are recessed back from the bumper and are covered by a Lexan® lens to protect against impact.
- The front panel easily opens to provide convenient access to the air filter, coolant, washer fluid, power-steering fluid, refrigerant and engine oil.

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*Model 210*

The Model 210 is a Class 6 cabover ideal for short haul and delivery applications. It is highly maneuverable and comfortable to operate.

- Horizontal exhaust.
  - Transmissions include a ZF 6-speed manual or Allison 2100 automatic.
  - Axles ratings are 9,877 pounds for the front and 18,739 pounds for the rear.
  - Equipped with air suspension and air disc brakes with ABS.
  - The frame width is 34-inch.
  - The electrical system is 24 volts with 12-volt lights and 12 volts for engine requirements.
- The GVWR is 26,000 lbs.
  - Equipped with a PACCAR PX-6 engine with 220-260 horsepower and up to 620 pound-feet of torque.