



PETERBILT

ESSENTIALS

MODULE 3

- UNIBILT[®] SLEEPERS
- SLEEPER INTERIORS



CLASS PAYS

PETERBILT NEW ESSENTIALS – MODULE 3

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 3 provides information about Peterbilt sleepers.

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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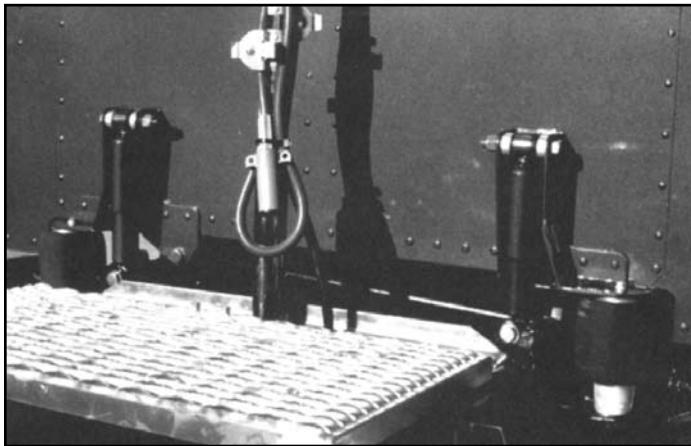
UNIBILT® SLEEPERS

Peterbilt's objective in developing the Unibilt cab/sleeper system was twofold:

1. Design a cab/sleeper unit whose greater mass and span enhance ride and comfort.
2. Maintain versatility and ease of repair.

CONSTRUCTION

Lightweight aluminum design, huck bolts, lap-seam construction and one-piece roofs were existing Peterbilt features that provided an ideal starting point for the development of a cab/sleeper system. Peterbilt engineers designed additional strength into the Unibilt by adding longerons (stringers) to the roof structures of the cab and sleeper, a windshield mask composed of high-strength, low-alloy steel and reinforced struts from the top of the firewall to the door A-posts. High-strength bolts are used at the external attachment points around the walk-through opening. The cab and sleeper are joined in an extremely durable structure that is free of the heavy sub frame associated with other cab/sleeper concepts.



The Unibilt sleeper has a dual pneumatic suspension featuring two heavy-duty shock absorbers and two large air springs, which combine to reduce vibration and deliver a superior ride. The Unibilt's high-strength mounts are positioned at the firewall of the cab and at the rear of the sleeper; this increases the distance between the front and rear mounts, enhancing the system's capacity for handling loads and stresses. In addition, the mounting points are located outboard on the frame rails to control body roll and afford a more level ride during cornering. A tracking rod is included to help eliminate side-to-side movement.

SLEEPER VERSATILITY

The cab walk-through opening is 58-3/4 inches x 62 inches - resulting in a feeling of roominess in the cab. This wide opening makes it possible for the driver and passenger seats to be positioned to accommodate a wider variety of seating space preferences.



With the removal of only fourteen attachment bolts and the system connections, the Unibilt sleeper can be separated entirely from its cab. This allows for easy repair or replacement. A retrofit back-wall kit is also available so that a tractor with a Unibilt cab/sleeper system can be converted and offered for resale as a day cab.



The Unibilt sleeper accommodates the Peterbilt 36-inch, 48-inch, 63-inch and 70-inch low and high roof sleeper box options. In addition, the Unibilt UltraCab is available with Unibilt high roof sleeper configurations. The UltraCab features more headroom in the cab area and a sleeper opening that is 10 inches taller than the Unibilt sleeper opening; this makes it one of the most spacious cab/

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sleeper systems on the market.

SLEEPER INTERIORS

Sleeper interiors for the 70-, 63-, 48- and 36-inch Unibilt® sleepers feature enhanced contemporary styling, upgraded materials and improved fit and finish to complement Peterbilt's industry leading cab interiors. The 63- and 48-inch sleepers are available in two trim levels, Platinum and Prestige, and the 36-inch sleeper is available in Prestige only.

The Platinum level sleepers provide operators with luxurious environments in which to work and live, and incorporate wood-grain accents and embroidery. The Prestige level sleepers provide cost-effective comfort and durability, ideal for fleet and vocational customers looking to maximize functionality and minimize maintenance requirements.

Both trim levels have excellent lighting to reduce eye fatigue.

The following are distinctive features of the wide range of sleeper choices.

63-inch Sleeper

- Two tall closets (hard closet and cabinet doors standard with Platinum level, optional with Prestige level).
- Tilt-assisted under-bunk storage access.
- Adjustable shelf to accommodate a wide range of televisions and microwaves (high-roof only, standard in Platinum level, optional in Prestige level).
- Soft-touch bunk-end tray for smaller personal effects.



- Under-bunk trim for improved appearance (Platinum level only).
- Bunk-side control panel to operate clock, audio system, lighting and sleeper HVAC.
- Vanity mirror (high-roof only, standard in Platinum level, optional in Prestige level).
- Optional business center.
- Optional refrigerator.
- Optional rear wall storage.

48-inch Sleeper

- Two tall closets.
- Tilt-assisted under-bunk storage access.
- Shelf to accommodate a wide range of televisions and microwaves.
- Soft-touch bunk-end tray for smaller personal effects.
- Under-bunk trim for improved appearance (Platinum level only).
- Bunk-side control panel to operate clock, audio system, lighting and sleeper HVAC.



- Vanity mirror (high-roof only, standard in Platinum level, optional in Prestige level).

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UNIBILT ULTRASLEEPERS

70-Inch Unibilt UltraCab Sleeper

Peterbilt offers two 70-inch Unibilt UltraCab sleepers. Both the Platinum and Prestige level interior trims are designed with a practical layout of cabinetry and large, full-length wardrobe closets to provide an abundance of functional storage space. These 70-inch sleepers offer a full 42-inch liftable bunk that rests atop 25 cubic feet of storage, room for a TV, VCR, microwave, business center and refrigerator, and a host of standard amenities and options.

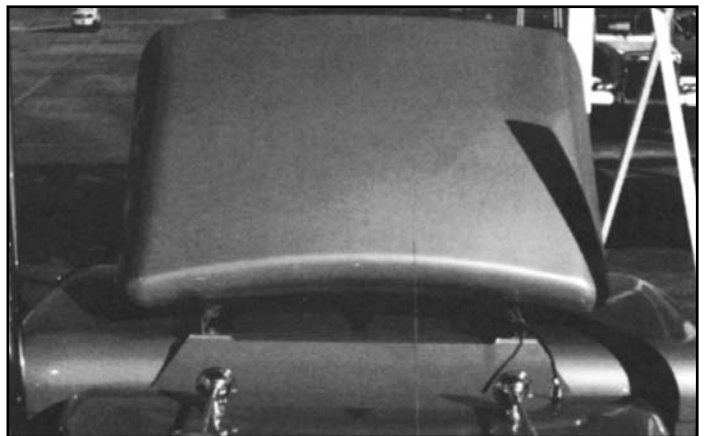
- Two tall closets (hard closet and cabinet doors standard with Platinum level, optional with Prestige level).
- Tilt-assisted under-bunk storage access.
- Adjustable shelf to accommodate a wide range of televisions and microwaves (high-roof only, standard in Platinum level, optional in Prestige level).
- Bunk-side control panel to operate clock, audio system, lighting and sleeper HVAC.
- Vanity mirror (high-roof only, standard in Platinum level, optional in Prestige level).
- Optional business center.
- Optional refrigerator.
- Optional rear wall storage.



AERODYNAMIC EQUIPMENT FOR TRADITIONAL MODELS

The more smoothly air flows over and around the tractor and trailer as a unit, the more fuel-efficient the unit is. Peterbilt offers a number of aerodynamic options to decrease the effects of wind resistance and enhance fuel efficiency.

Varashield



Peterbilt's patented Varashield airflow deflector is a contoured fiberglass shield mounted on top of the sleeper. It is designed to afford optimal control of airflow over the trailer, to decrease wind resistance.

The Varashield can be adjusted from a flat position parallel with the top of the sleeper to virtually any angle until it reaches the top of the trailer. Because of the control it offers, the Varashield is perfect for the trucker who tows a variety of semi-trailer shapes or occasionally runs bobtail (drives a tractor without a trailer attached).

Varashields are not available with high-roof sleepers.



Roof Fairings

Roof fairings are molded, bullet-shaped deflectors that direct air over and around van or box-style trailers. Unlike the Varashield air deflector, roof fairings are not adjustable. Peterbilt's fiberglass roof fairings are available on all sleepers from the 36-inch model through the 70-inch high- and low-roof models.

Additional Aerodynamic Equipment

Between a tractor and trailer there is a gap that creates turbulence – and therefore drag – as the truck travels down the road. Trim tabs and side extenders that reduce that gap and thus reduce turbulence. Peterbilt's side extenders and fiberglass trim tabs can be customized to specific needs.

Side skirts or fairings mount under the sleeper and create a smooth, flat surface so air moves evenly past the tractor's sides.