

# 1987–2005 PETERBILT

## FIELD SERVICE BULLETIN

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### Model 379–Family Windshield Installation

This bulletin is applicable to all Model 379–family vehicles.

There are occasions when a replacement windshield may not attain a watertight seal during installation. This may be due to a residue left in the windshield recess channel. The residue prevents the butyl sealing tape, from properly bonding to the channel's surface, which could result in a water leak when the windshield is installed. The channel must be thoroughly cleaned to ensure a watertight seal.

A change to the windshield replacement procedure for the above vehicles has been developed. The change involves cleaning the channel with mineral spirits then treating the channel with a pinchweld primer with corrosion inhibitors to treat scratches and rust.

### Installing A Model 379–family Windshield

Follow the procedure below to install a conventional windshield.

1. Ensure that the pinchweld is clean and free from any residue left from the previous windshield installation.
2. Moisten a clean cloth with mineral spirits.
3. Wipe the entire windshield recess channel vigorously with the cloth.
4. Repeat Steps 2 and 3 as necessary, starting with a clean cloth each time to ensure that the residue is not redistributed within the channel.
5. Wipe the entire windshield recess channel a final time with a clean, dry cloth.
6. Apply a pinchweld primer with corrosion inhibitors to treat scratches and rust to the entire channel, using a dauber, according to the manufacturer's instructions.

*NOTE: Do not remove the paper backing from the butyl tape.*

7. Apply 1/4 in. (6.4 mm) butyl tape can also use 6X6mm Hollow Core Butyl Tape in the recess channel of the windshield encapsulation
8. Using a nylon pull rope 3/16 in. (4.7 mm) in diameter and 12 feet (3.7 m) long. Tie loops on each end of rope for handholds.
9. Lubricate the pull rope with a 50/50 premix solution of windshield washer/wiper fluid and water. Wipe clean any excess solution prior to use.
10. Insert the pull rope in and around the windshield encapsulation, on the top and both sides only, where the windshield mask flange is designed to go.
11. Brush or spray on a 50/50 premix solution of windshield washer/wiper fluid and water inside the top flaps of the windshield encapsulation; ie., the areas behind which the pull rope is inserted. This will allow the flaps to pull in across the mask with less drag.

Two persons are required for windshield installation:

- One person inside the cab to pull the windshield in by pulling the rope (the rope puller).
- One person to place the windshield in the mask and assist in the installation by applying pressure in certain areas as the rope is pulled (the windshield handler). The right hand windshield is normally installed first, but this is a matter of preference.

12. Remove the paper backing from the butyl tape.

***CAUTION: Exercise care when setting the bottom inboard corner. The flap is susceptible to tearing if it is caught in a bind with the flange.***

13. Set the bottom inboard corner of the windshield into the mask opening, next to the center post. Ensure that the encapsulation flap is on the inside of the cab over the bottom mask flange. As the bottom of the windshield is set into place, position the pull rope ends to be pulled from inside the cab

***NOTE: At this point, the windshield handler must ensure that the windshield is pushed down into the mask (windshield frame) as tightly as possible.***

14. **Windshield handler:**

- Push the windshield towards the inside of the cab, exerting a nominal amount of

force.

**Rope puller:**

- - Pull the rope up the inboard side for the entire length of the center post, stopping short of the radius. .
- Pull the rope up the outboard side for 1/3 to 1/2 of the length of the outboard edge. \_.

***NOTE:** The rope puller must ensure that the encapsulation flap is over the mask flange where the rope has been pulled. If there is an area of the encapsulation that is not over the flange, the windshield handler should assist by applying a more inward force by intermittently striking the windshield with the palm of the hand. Then the inside flap should be driven in position by striking the glass with the palm of the hand.*

15. **Windshield handler:** Apply inward pressure to the windshield until the rope is completely pulled through. This pressure can be applied by pushing and/or striking (a glancing blow) with the hand. Work in unison with the **rope puller**.

- **Rope puller:** Starting at the center post, pull the rope through the radius, along the top, and through the outboard radius, stopping just outside the radius to complete the pull.
- If the two installers work together, the windshield should "pop in" as the above step is completed.

16. Repeat the above steps to install the other windshield. Remember: Setting the windshield center to outboard is the key to properly positioning the windshield in the opening.

