

G26.65(4)(b) Installing the barrier on the logging truck in a manner acceptable to the Board

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Section 26.65(4) of the *OHS Regulation* states:

The barrier of the logging truck must be

- (a) designed, constructed and maintained so that it has no aperture large enough to permit any item of cargo to pass through it, and
- (b) installed in a manner acceptable to the Board to ensure that the rated capacity of the barrier is not diminished

Section 4.3(2) of the *OHS Regulation* states:

Unless otherwise specified by this Regulation, the installation, inspection, testing, repair and maintenance of a tool, machine or piece of equipment must be carried out

- (a) in accordance with the manufacturer's instructions and any standard the tool, machine or piece of equipment is required to meet, or
- (b) as specified by a professional engineer.

The purpose of this guideline is to provide direction about acceptable installation of a barrier on a logging truck under section 26.65(4)(b).

Any one of the following is considered by the WCB to meet the requirements for installing a barrier of the logging truck under s. 26.65(4)(b):

1.
 - a) The barrier of the logging truck is installed in accordance with the manufacturer's instructions and any standard the barrier is required to meet (see s. 4.3(2)(a) of the *OHS Regulation*); or
 - b) The barrier of the logging truck is installed as specified by a professional engineer (see s. 4.3(2)(b) of the *OHS Regulation*)

Note: the fasteners for attaching the barrier should be not less than grade 5 and not more than grade 8 quality.

2. The barrier of the logging truck carrying a load of logs weighing up to 84,000 lbs is installed so that each barrier will, at a minimum, be attached to the truck by the equivalent of two 7/8 or 1 inch UNF grade 8 bolts (rods) with substantial tie straps. This is preferable to the use of U-bolts. The fastener's torque must meet the manufacturer's specifications. Note: a spacer is often installed in the open section of the tractor C frame to help support the required torque.
3. The barrier of the logging truck carrying a load of logs weighing up to 84,000 lbs is installed so that each barrier will, at a minimum, be attached to the truck by the equivalent of:
 - a) six 3/4" grade 8 bolts on each side, three of which must be separated by approximately 5.5 inches starting from about 2 inches from the end at the front and rear of the 34-38" angle iron sill;
 - b) two 1" grade 8 U-bolts with bottom plates on each side, one at the front and one at the rear of the 34-38" sill or sub frame; or

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- c) four $\frac{3}{4}$ " grade 8 bolts and one 1" grade 8 U-bolt on each side (U-bolt at the back towards the trailer)

Also, when attaching the barriers using U-bolts as described above:

- the fastener's torque must meet the manufacturer's specifications. Note: a spacer is often installed in the open section of the tractor C frame to help support the required torque;
- the bend radius between the inside of the legs and the inside of the top of the bolt must be at least $\frac{3}{4}$ inch; and
- the U-bolt must closely fit the clamped components to avoid corner bending.

Note: Under section 4.8(2)(b) of the *OHS Regulation*, if the barrier attachment system has been modified in a manner which will change its rated capacity or rated load, the rated capacity or rated load must be certified by a professional engineer. Unauthorized modification may lead to equipment failure and operator injury.