



## Construction Equipment North America

# ALERT

**Release Date:** April 26, 2004

**Subject:** Wheel Loader Product Update – Select L90D, L 120D, L 150D, & L180D:  
Reinforcement of the cab floor

---

**Description of Product Update:** Reinforcement of the cab floor in the area of the brake valve per the enclosed instructions.

**Reason for Product Update:** To correct the potential issue of brake valve coming loose upon a hard application. A combination of vibration and stress induced, into the brake valve can cause the cab floor material to fatigue.

**Action Required:**  
Reinforce the cab floor.

**Affected Models and Serial Numbers:** L90D, L120D, L150D, and L180D loaders per the serial number range listed below.

L90D            17004-18685 (ARV) Swedish production  
                  64003-64937 (ASH) USA production  
                  70501-70730 (PED) Brazilian production

L120D           14004-15418 (ARV) Swedish production  
                  63003-63294 (ASH) USA production  
                  70501- (PED) Brazilian production

L150D           5033-5851 (ARV) Swedish production  
                  62501-62658 (ASH) USA production

L180D           4035-4718 (ARV) Swedish production  
                  62001-62078 (ASH) USA production

**Tools Required:**

- Ratchet handle
- Long handle extension, 250mm (10 in) or longer, with ½ in square drive
- Socket ½ in with ½ in square drive
- Angle grinder
- Hydraulic jack or suitable size
- Drill with 8.5 (0.335 in) drill bit

## Parts Required:

Description	Part number	Qty.
Reinforcement plate	11164609	1
Bolt	13947760	8
Nut	948645	8
Washer	13960141	16
Spacer	13930447	4

## WARNING:

**⚠** Please follow all safety precautions indicated in the Service and Operators Manuals for the model to be updated. Please follow all proper repair procedures as indicated in the update instructions or in the Service Manual for the model to be updated. Volvo Construction Equipment North America is not responsible for damage resulting from the failure to follow these instructions.

### Working instructions

- 1 Expose the area around the foot brake valve by prizing up and folding in the edge of the large floor mat, see Fig. 1.



Fig. 1



Fig. 2

- 2 Loosen pin, spring, lock ring and remove the brake pedal, or alternatively brake pedals where double brake pedals are installed.
- 3 Position an extended jack on the frame joint plate under the foot brake valve. Remove the four nuts retaining the foot brake valve with associated parts at the underside of the cab. Let the foot brake valve down through the cab floor, see Fig. 2.
- 4 Grind off the heads of the four welded bolts in the floor plate.  
**NOTE!** Protect the cab wall from flying sparks using a plate or something similar.



Fig. 3

- 5 Paint surfaces that have been ground.
- 6 If applicable, remove the gasket between the underside of the floor plate and brake valve.
- NOTE!** All gasket remnants must be removed.
- 7 Place a reinforcing plate in position. Put washers on the bolts and position the plate with the aid of the bolts in the existing holes, see Fig. 4.

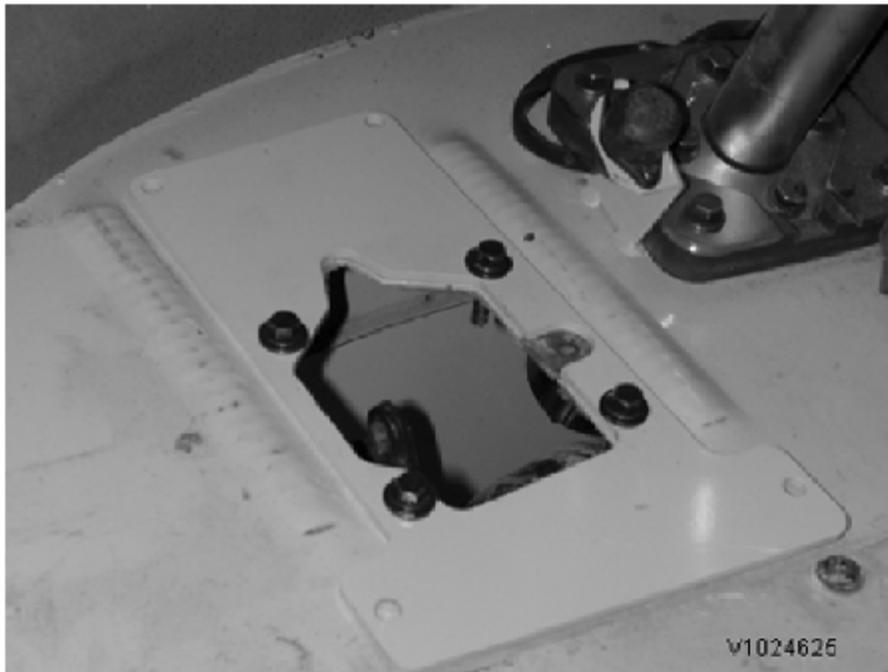


Fig. 4

- 8 Drill four 8.5 mm (0.335 in) diameter holes. Put washers on the bolts and position the bolts. Put washers on the bolts at the underside of the cab, then spacers on the bolts and finally flange nuts. Torque-tighten the bolted joint for the reinforcing plate: 25 N m (18 lbf ft). see Fig. 5.  
**NOTE!** Check the underneath area so as not to damage any hoses when drilling the holes.

If you have a machine that could be affected by this alert, please contact your local Volvo dealer. Find your closest dealer with the Dealer Locator on [www.volvoce.com](http://www.volvoce.com). If you have any questions or concerns, contact Volvo at [techsupport.vcesna@volvo.com](mailto:techsupport.vcesna@volvo.com) or 828-650-2001, option 2.