

---

Date	Group	No.	Page
5.00	<b>563</b>	<b>02</b>	1(2)

## Foot Brake Valve Replacement VN

### Foot Brake Valve

This information concerns replacement of the Foot Brake Valve for VN vehicles.

**Note:** A production change introduced the E8P model as a direct replacement for the E-12 model.

### Contents

See ["Foot Brake Valve, Replacement"](#) page 2

## 5631-03-02-01 Foot Brake Valve, Replacement

1



Before working on a vehicle, set the parking brakes, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

Park the vehicle on a level surface with the transmission in neutral, and chock the front wheels.

2

Remove the lower dash panel, on the left side, under the steering column.

T25 torx  
10 mm nut  
driver

3

Remove the center and right side sections of lower dash panels under the steering column.

T25 torx  
10 mm nut  
driver

4

Remove the lower cover off of the steering column.

T25 torx

5



Never disconnect an air system component unless all system pressure has been depleted. Failure to deplete system pressure before disconnecting hoses or components may result in their violent separation and can cause serious bodily injury.

Deplete air system pressure.

6

**Note:** Note location of air lines for replacement. Disconnect air lines.

Airline Release Tool,  
J-42189

7

Remove the nuts from the footvalve and remove the footvalve.

3/8 inch  
ratchet  
13 mm socket  
with extension

8

Remove the fittings from the old footvalve and install the fittings onto the new footvalve.

22 mm wrench

**Note:** Remove the fittings one at a time for proper orientation.

9

Set the new footvalve into position for mounting.

10

Connect the air lines to the new footvalve.

11

Install the mounting nuts on the new footvalve and tighten to  $24 \pm 4$  Nm (18  $\pm$  3 ft-lb).

3/8 inch  
ratchet  
13 mm socket  
with extension

12

Start the vehicle and check for air leaks and proper operation.

13

Install the lower cover to the steering column.

T25 torx

**Note:** Refer to Service Bulletin 563.01 (E-12 Foot Brake Valve Leak Test, VN) for air leak test procedure.

14

Install the left side lower dash panel under the steering column.

T25 torx

15

Install the center and right side sections of the lower dash panels under the steering column.

T25 torx