**XC Front Brake Pad Replacement**

2001 Volvo V70 XC AWD L5-2435cc 2.4L Turbo VIN 58 B5244T3 LT

**Brake Pads, Front, Replacing**

**Brake pads, front, replacing**

**Removal**

**Note:** Minimum thickness for replacing the brake pads = 3.0 mm.

**Remove the securing spring and locating pins**

Remove:

* the securing spring (3) carefully so that it does not deform
* the protective caps (1) from the two locating pins (2)
* the locating pins, use hex socket 7 mm.
Remove the brake caliper and brake pads

Remove:

* the brake caliper from the holder
* the brake pads. Hang brake caliper from a steel wire from the front spring so as not to damage brake hose.

Note: Do not depress the brake pedal while the brake pads are removed.

**Clean and check brake caliper and dust cover**
Clean and check brake pad mating surfaces in the brake caliper and caliper holder. Check piston dust boot. Replace dust boot if it is damaged.

**Note:** If the dust boot is damaged dirt may have penetrated the cylinder. The brake caliper must be reconditioned.

**Check the brake disc**

Check brake disc friction surfaces. If the brake disc displays signs of out-of-true, check its lateral runout. Replace the brake disc if it displays signs of heavy wear variable thickness or similar.

**Note:** Minimum recommended disc thickness / replacement limit = **23.0 mm**. Minimum recommended disc thickness when installing new brake pads = **23.8 mm**. For 16" brake discs the minimum thickness / replacement limit = **25 mm**. Minimum recommended disc thickness when installing new brake pads = **25.8 mm**.
Installation

**Install the brake pads and brake caliper**

Press piston back into cylinder on brake caliper. Check that the dust cover is correctly positioned.

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Install:

* new brake pads
* the brake caliper.

**Install the locating pins in the brake caliper**
Check the rubber sleeves of the locating pins. Replace if necessary.
Lubricate the locating pins (2) with grease, P/N 1161325-4. Insert the locating pins into the rubber sleeves. The pins should slide into the sleeves easily.
Tighten locating pins. Tighten to 30 Nm. Install protective caps (1).
Install the retaining spring (3).

**Check brake fluid level in reservoir**

Depress the brake pedal a few times. Check the level of the brake fluid reservoir.
Top up if necessary.

**Install the wheels**

**Installing wheels**
<table>
<thead>
<tr>
<th>Parts</th>
<th>OEM Part</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brake Pad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Pads</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16&quot; Wheels</td>
<td>8634921</td>
<td>$68.56</td>
</tr>
<tr>
<td>15&quot; Wheels</td>
<td>8634921</td>
<td>$68.56</td>
</tr>
<tr>
<td>Rear Pads</td>
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<td>$45.57</td>
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<table>
<thead>
<tr>
<th>Labor</th>
<th>Skill Level</th>
<th>Warr.</th>
<th>Std.</th>
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<tbody>
<tr>
<td>Brake Pad</td>
<td></td>
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<tr>
<td>Replace</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Front Pads</td>
<td>B</td>
<td>0.7</td>
<td>0.9</td>
</tr>
<tr>
<td>Rear Pads</td>
<td>B</td>
<td>0.5</td>
<td>0.8</td>
</tr>
</tbody>
</table>

**Note:**

To R&R Rear Parking Brake Cable, add:

| Both Sides | B | 0.0 | 1.1 |

To R&R Brake Hoses, add:

| Each       | B | 0.0 | 0.1 |

To R&R Parking Brake Shoes, add:

| Both Sides | B | 0.3 | 0.4 |

To R&I or R&R Rotor, add:

<table>
<thead>
<tr>
<th>Rear</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Both Sides</td>
<td>B</td>
<td>0.5</td>
</tr>
<tr>
<td>One Side</td>
<td>B</td>
<td>0.3</td>
</tr>
</tbody>
</table>
Front

Both Sides   B   0.3   0.4

One Side     B   0.2   0.2

To Reface Rotor, add:

Each        B   0.0   0.4

To R&R Caliper, add:

Each        B   0.0   0.2

To Overhaul Caliper, add:

Each        B   0.0   0.3

To Adjust Parking Brake, add:

        B   0.0   0.2

Both Front & Rear Pads, add:

        B   1.2   1.6

Specifications - Front

Notes

Thickness   New   14 mm
Minimum     3 mm