



Technical Journal

TITLE:

Squealing noise from rear brakes

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|--|---|--|-----------------------------------|
| REF NO: TJ 33876.2.0 | ISSUING DEPARTMENT: Technical Service | CAR MARKET: United States and Canada | |
| PARTNER: 3 US 7510 Volvo Car USA | | ISSUE DATE: 2018-10-03 | STATUS DATE: 2018-10-08 |
| FUNC GROUP: 5122 | FUNC DESC: Brake drum; brake disc | Page 1 of 2 | |

“Right first time in Time”

Attachment

| File Name | File Size |
|------------------------------|-----------|
| TJ 33876.mp4 | 3.7064 MB |

Vehicle Type

| Type | Eng | Eng Desc | Sales | Body | Gear | Steer | Model Year | Plant | Chassis range | Struc Week Range |
|------|-----|----------|-------|------|------|-------|------------|-------|-----------------|------------------|
| 234 | | | | | | | 2017-2017 | | 0000001-0021888 | 201617-201716 |
| 235 | | | | | | | 2017-2017 | | 0000001-0024240 | 201624-201716 |
| 236 | | | | | | | 2017-2017 | | 0000001-0008428 | 201646-201716 |
| 238 | | | | | | | 2018-2018 | | 0000001-0008970 | 201646-201716 |
| 246 | BA | B1APHEV | | | | | 2018-2018 | | 0000001-0002560 | 201717-201722 |
| 246 | BC | B1BPHEV | | | | | 2018-2018 | | 0000001-0002560 | 201717-201722 |
| 246 | BR | B1FPHEV | | | | | 2018-2018 | | 0000001-0012687 | 201717-201722 |
| 256 | BA | B1APHEV | | | | | 2016-2018 | | 0000001-0201153 | 201505-201722 |
| 256 | BA | B1APHEV | | | | | 2016-2018 | | 0000001-0201153 | 201505-201722 |
| 256 | BC | B1BPHEV | | | | | 2016-2018 | | 0000001-0187611 | 201526-201716 |
| 256 | BR | B1FPHEV | | | | | 2018-2018 | | 0190005-0216564 | 201717-201722 |
| 256 | | | | | | | 2016-2017 | | 0000001-0124300 | 201505-201627 |

CSC Customer Symptom Codes

| Code | Description |
|------|---------------------------|
| 1P | Brakes/Unusual noise/Rear |



VST Operation Number

| VST Operation Number | Description |
|----------------------|---------------------------------|
| 96248-2 | Troubleshooting Wheel Brake: 1P |
| 51208-0 | Brake caliper rear 2x replace |

DTC Diagnostic Trouble Codes

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

Text

DESCRIPTION:

* This journal is re-written in its entirety.

If squealing noise occur from rear brakes while driving, follow advice under service.

Squealing noise usually occurs while driving in low speed or when turning, it does not occur while braking.

The frequency is usually high, about 7 kHz and it is caused by drag when the piston is not retracted enough after release of electrical parking brake (EPB).

How to define the noise, please check the [attached file](#).

Improved rear brake calipers have been developed, the rollback function has been changed to reduce the noise.

Introduction time in Volvo production:

16" rear brake (VDN RK01) = 2017 week 17

17" rear brake (VDN RK02) = 2016 week 27

18" rear brake (VDN RK03, RK05) = 2017 week 22

Note: Chassis break points shown in TJ header is reflecting introduction of 16" brakes, 17" (XC90 only) and all 18" (T8 PHEV) versions.

Breakpoints for 17" brakes; 234 (S90): Ch.No 3500, 235 (V90): Ch.No 563, 256 (XC90): Ch.No 124300.

All new vehicle types introduced after 2016 week 17 and if equipped with 17" rear brakes (VDN RK02) have the new brake caliper (such as vehicle types 224, 225, 238, 246, etc.).

SERVICE:

If there is a confirmed squealing noise from the rear brakes, replace both side rear calipers using Vida instruction, VCC ID: VCC-370756-4

For part numbers, refer to Vida Parts Catalogue.

VEHICLE REPORT:

Yes, please submit a Vehicle Report if the service solution described in this TJ has no effect. Use concern area "Vehicle Report" and sub concern area "Support not needed", use function group 5122.

Access TIE to view TJ attachment.