



ALL TYPES

Type

XXX X

S/Section

30A

except 4x4 vehicles and vehicles with all-wheel drive

30A WHEEL BEARING FAULT FINDING PROCEDURE

- Engine: XXX
- Gearbox: XXX

The aim of this Technical Note is to optimise the fault finding procedure for wheel bearings and to reduce the number of unnecessary removals.

"The repair methods given by the manufacturer in this document are based on the technical specifications current when it was prepared.

The methods may be modified as a result of changes introduced by the manufacturer in the production of the various component units and accessories from which his vehicles are constructed.

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GENERAL INFORMATION

Wheel bearing fault finding procedure

30A

➡ Ask the customer for information regarding the conditions in which the noise occurs as soon as the repair order is issued.

- The noise of a faulty wheel bearing **can always be reproduced**.
- The wheel bearing noise may increase with speed and/or when cornering.

Carry out a road test, can the customer complaint be reproduced?

no

The bearing is not faulty.

Important: tyre noise may be comparable to bearing noise.

yes

1 - For the front

- Raise one wheel only.
- Place the vehicle on an axle stand (do not leave the vehicle resting on the jack).
- Place a chock in front of a rear wheel.
- Remove the raised wheel.
- Turn the assembly using the engine (do not exceed 33 mph (50 km/h) on the speedometer).

IMPORTANT:

Do not touch rotating parts.

- Assess the noise or the vibration using a sound amplifier (stethoscope) resting on the stub axle carrier.

2 - For the rear

- Raise one wheel only.
- Place the vehicle on an axle stand (do not leave the vehicle resting on the jack).
- Place a chock in front of a front wheel.
- Turn the wheel manually.
- Assess the noise or the vibration using a sound amplifier (stethoscope) resting on the suspension arm (as close to the hub as possible)

Is there any noise and/or vibration?

no

The bearing is not faulty.

Important:
Carry out the operation for the other wheels of the vehicle.

yes

Replace the faulty bearing on the side identified.