



**VOLVO**

# SERVICE BULLETINS

**ONLY FOR VOLVO DEALERS**

RE.	PRODUCT
GEARBOX	P
M 30, M 40	GROUP
	43
DATE	NO.
15th June 1962	1

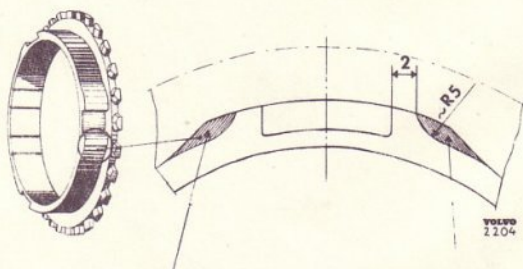
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## Concerning shrill noise from the synchronizing cones.

Cases have occurred on the above-mentioned gearboxes of a shrill and piecing noise arising as a result of a vibrating synchronizing cone. In order to remedy this, it may be necessary to introduce unbalance to the cone which vibrates. This is done by removing material from both sides of one groove as shown in the figure.

In order to determine which cone is causing the trouble, the following points should be noted:

1. If the noise occurs when driving in 1st or 2nd speed, it is generally the 3rd or 4th speed cone which vibrates.
2. Noise occurring when driving in 3rd or 4th speed usually comes from the 1st or 2nd speed cone.
3. On a cone that vibrates, greater wear occurs at the groove edges after driving for a relatively short time than on a cone that does not vibrate.



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