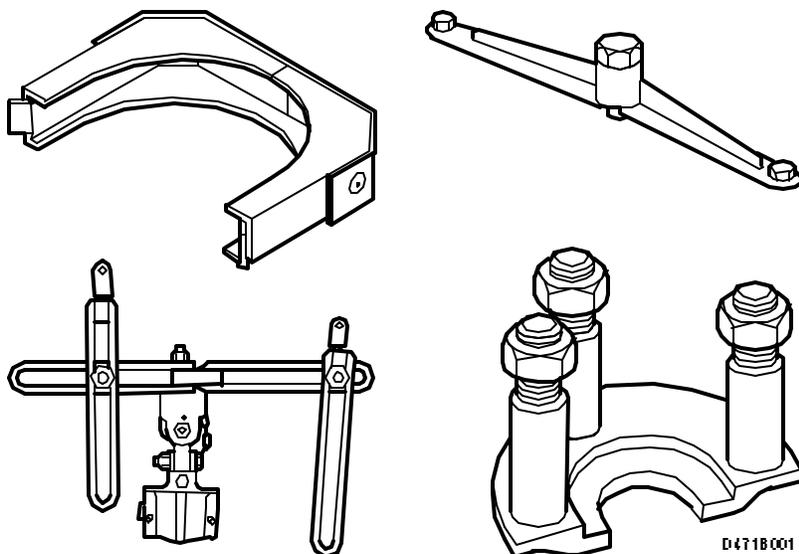


SERVICE INFORMATION

Bulletin Nbr: 104-1863

Date:.....NOVEMBER 1997

Market: ALL

New special tools for working on gearbox**Cars affected**

All M94-

Background

Due to modifications in the design of the manual gearbox with closer tolerances as a result, certain work on the gearbox is impossible to do without suitable aids. This has led to the introduction of three new tools to facilitate such work. The tools should be placed on the toolboard for manual gearboxes.

A lifting tool has also been developed for use when the complete gearbox assembly is to be removed from/fitted in the car. This lifting tool is suitable for both manual and automatic gearboxes and can also be used instead of lifting cable 87 92 442.

These tools are not included in any subscription but must be ordered separately.

This information has previously been available for Saab 900 in SI 104-1728, issue 1.

Parts required

87 92 517 Counterstay

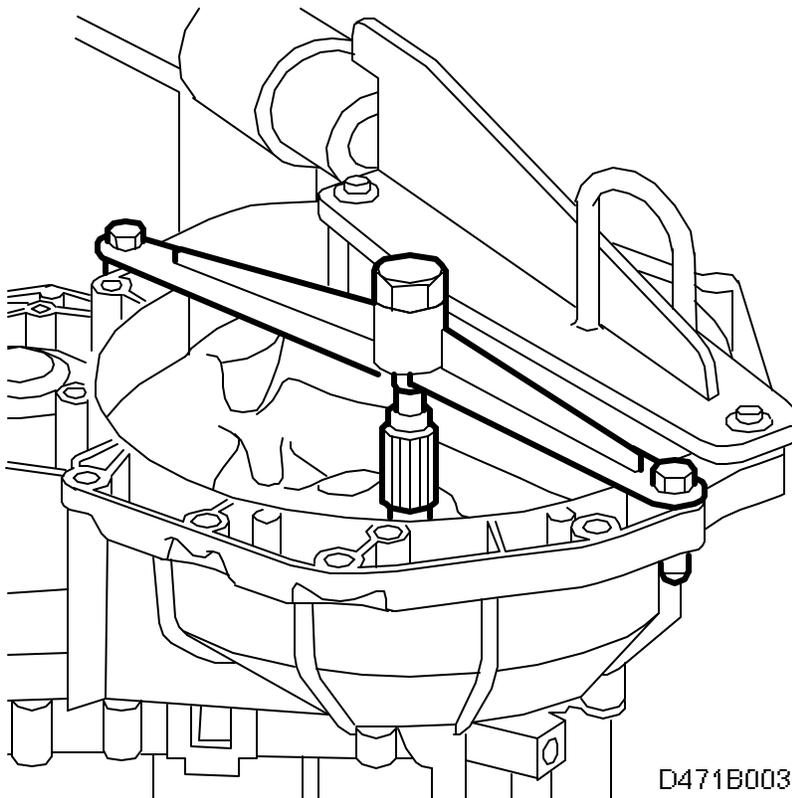
87 92 566 Puller

87 92 582 Fitting jig

87 92 608 Lifting tool mkm 886

Procedure

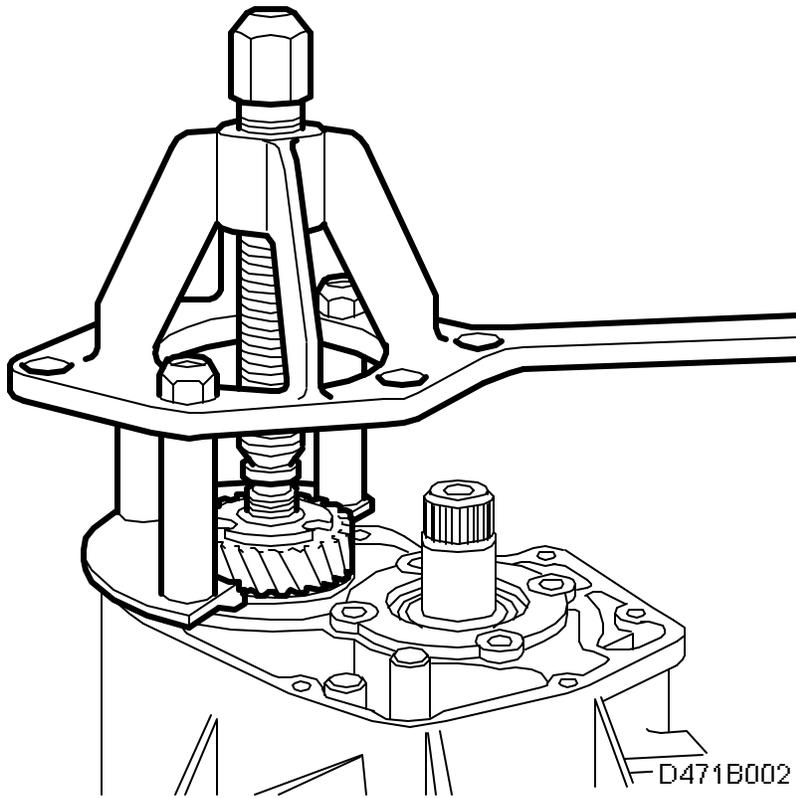
87 92 517 Counterstay



Used as a counterstay for the input shaft when the 5th gear synchromesh hub is to be tapped down.

The tool should be placed on the half-size toolboard for manual gearboxes, between coordinates C6 and D6. An overlay is supplied.

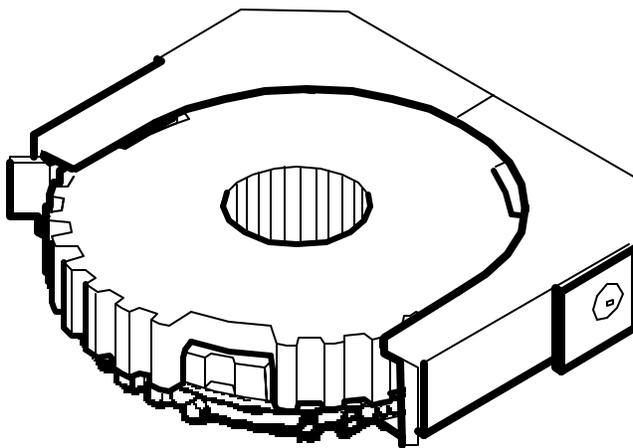
87 92 566 Puller



Used in conjunction with puller 89 96 084 when the 5th gear pinion is to be removed.

The tool should be placed on the full-size toolboard for manual gearboxes, coordinate C1. It replaces tool 87 90 768, which is to be placed elsewhere in the workshop. An overlay with the new part number (87 92 566) is supplied and should be mounted over the old one (87 90 768).

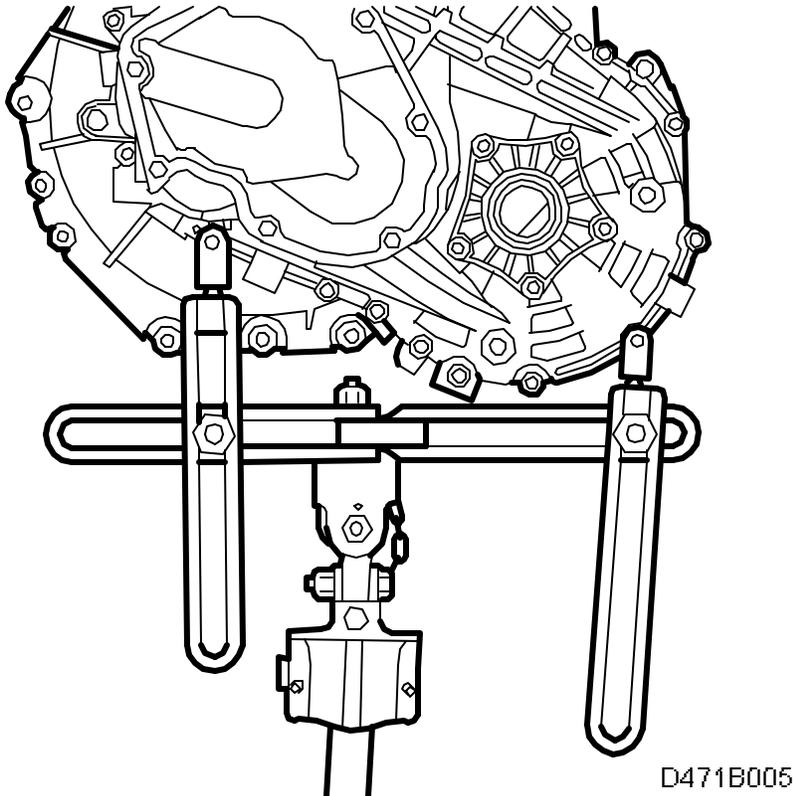
87 92 582 Fitting jig



Used for holding together the wire retaining ring, the three leaf springs, the synchromesh sleeve and the hub when assembling the 5th gear synchromesh hub.

The tool should be placed on the half-size toolboard for manual gearboxes, coordinate C9. An overlay is supplied.

87 92 608 Lifting tool mkm 886



Used for removing/fitting the complete gearbox assembly in the car. It can also be used instead of lifting cable 87 92 442. The tool can be fitted to most single-column jacks.

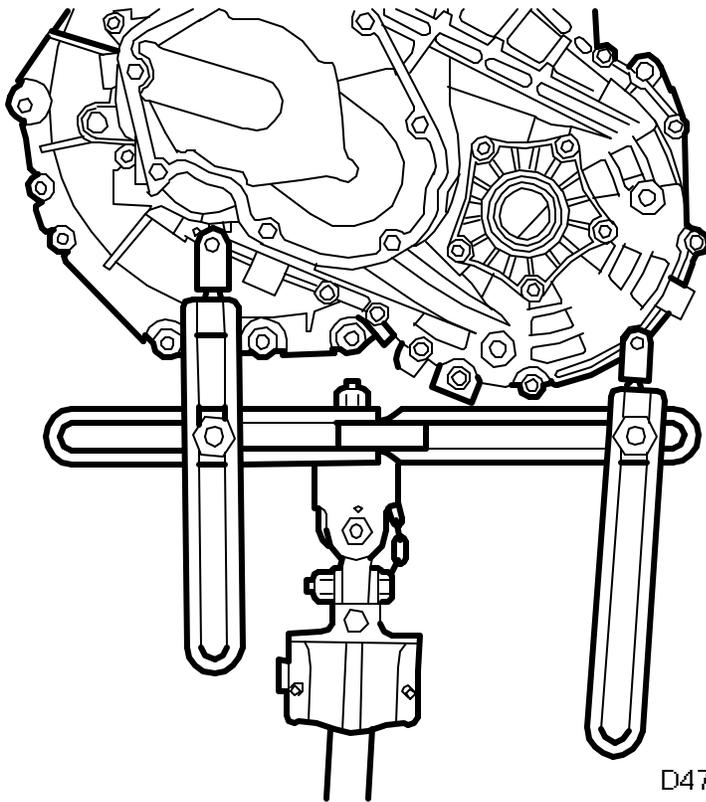
The tool is to be kept in a suitable place in the workshop.



Warning

Take care to ensure that the jack does not tip over.

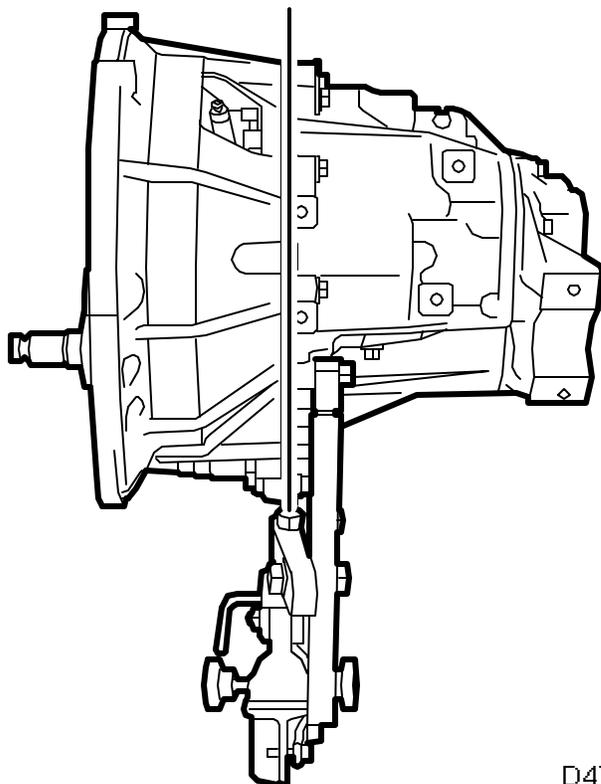
Manual gearbox



D471B005

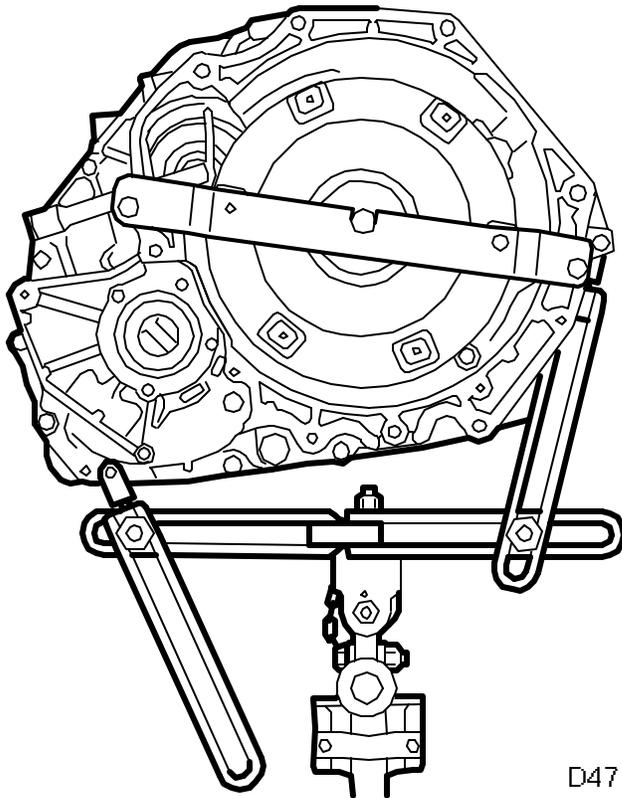
Screw the lifting tool to the mating face between the gearcase and the clutch housing with two bolts, see illustration,

Adjust the tool so that it is centred with the gearbox and in line with the gearbox mating face, see illustration.



D471B010

Automatic transmission



D471B011

Screw the lifting tool to the front lifting lug and in one of the screws in the mating face, see illustration.

Adjust the tool so that its centre is in line with the lifting lug on top of the gearbox, see illustration.

