



## Caution

The information available from this website, which is checked and updated annually, has been prepared from industry sources for use by the professional automotive technician engaged in daily vehicle service and repair operations. Detailed knowledge of a particular engine is not required to make full use of this information.

It has been written and presented in a way that enables any professional automotive technician with an appropriate level of skill and competence to carry out the work required. The information applies only to standard models and does not apply to vehicles fitted with equipment other than the standard production options.

The source material used for compilation has been obtained from the vehicle manufacturers and was believed to be the latest available at the time of compilation.

Manufacturers' information is liable to change at any time and there may have been updates or revisions which applied to this information but were not available at the time of compilation. Later material published by the manufacturers may also contain revisions which would be applicable retrospectively to this information and which, accordingly, will not be reflected in this compilation.

### Timing Belts

The procedures described are the recommended methods for the removal and installation of timing belts. Some procedures describe the use of specially designed tools as recommended by the original vehicle manufacturer. Anyone who intends to use a different procedure or substitute a different tool must be satisfied that neither personal safety nor safe operation of the vehicle will be compromised. Such variations from recommended procedures are outside the scope of this information.

Many problems associated with timing belt failure can be attributed to incorrect installation and tensioning or mishandling of the belt during replacement. It is important to follow the special precautions and specific instructions for each engine.

### Replacement Interval Guides

The information relating to timing belt replacement intervals is additional to the main purpose of this information but is included to provide guidance to repair shops for estimating and for customer advice.

Where possible the recommended replacement intervals have been compiled from vehicle manufacturers' information and are identifiable by the relevant manufacturer's name. In those cases where OEM recommendations are not available the intervals shown are representative of typical trade practice based on experience with particular engines.

The previous use and service history of a vehicle should always be taken into account when making a decision to replace a timing belt and reference should always be made to the latest servicing recommendation from the appropriate manufacturer.

### Labor Times

The information relating to labor times is additional to the main purpose of this information but is included to provide guidance to repair shops for estimating and for customer advice.

The labor times have been compiled after evaluation of available sources including vehicle manufacturers' warranty times, adjusted in line with normal US aftermarket practice. All times relate to replacement methods suggested by the vehicle manufacturers and may involve the use of specially designed tools. Due allowance must be made for any variations on vehicles fitted with non-standard equipment. Variations from recommended replacement procedures are outside the scope of this information and are not covered by the labor times shown.

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