FEDERAL MOGUL ENGINE SOLUTIONS

Service Engineering Bulletin

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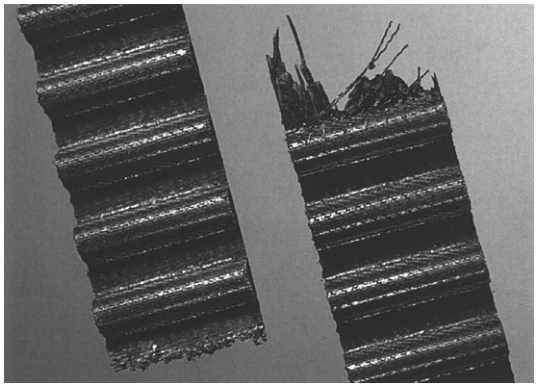
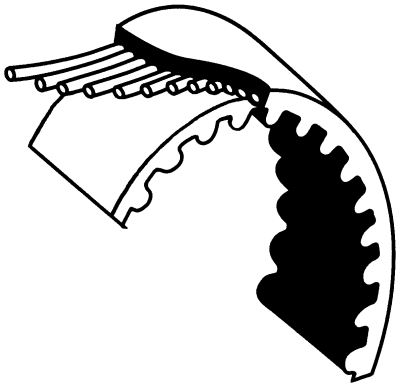
Timing Belts - Tensile Failure

A tensile failure of a timing belt is when the belt breaks in a straight line between two teeth. The belt contains a series of tension members, usually fibreglass cords, contained in the rubber and these will break if over-tensioned.



IT IS IMPERATIVE THAT TIMING BELTS ARE NOT CRIMPED DURING HANDLING

Belt crimping can cause serious damage to the glass-fibre tension members that can lead to the components premature failure in service.



Tension member: - Fibreglass cords wound round the belt

In addition, over-tensioning the timing belt will cause the belt to ride over the lands of the gear sprocket, stretching the belt further, resulting in tensile failure. New belts should always be tensioned in accordance with the vehicle manufacturer's recommendations.

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