

Blue Print Top Tip

Toyota Estima (Lucida/Emina) - Ancillary Driveshaft Coupling

Applicable References: ADT38016

Applications: Toyota Estima (Lucida/Emina) 2.2DT 1992 > 1999

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The Japanese import Toyota Estima, Lucida and Emina models commonly suffer from the ancillary driveshaft coupling failure.

The alternator, air conditioning compressor, power steering pump and cooling fan are located forward of the mid-mounted engine, and powered via an ancillary driveshaft. If the condition of the rubber and metal 'doughnut' style couplings deteriorates, it will lead to separation of the rubber from the metal carrier and rapid wear in the joints.

A worn coupling is normally associated with excessive noise and vibration at idle and should be repaired by replacing the coupling at each end of the ancillary shaft.

Blue Print supplies ADT38016 for the above applications (under 'Transmission' section) and each part will comprise of two couplings and 9 replacement bolts.



Driveshaft Coupling (engine side)

'Horse shoe' carrier assembly

This picture shows the Ancillary shaft looking forward from the engine.

Fitment Hints

- Mark the shaft flanges prior to removal and refit them in the same position (to keep the correct shaft balance).
- If at all possible, do not remove the 'Horse Shoe' shaped carrier assembly which may obscure access to the front coupling retaining bolts. This should be possible using an extension bar and socket, whilst rotating the driveshaft to access one bolt at a time. The Horse Shoe carrier position is factory set for optimum alignment. If removal is necessary, take care to mark the original position beforehand.
- Remove any corrosion from the driveshaft flanges before refitting (especially engine coupling).

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