

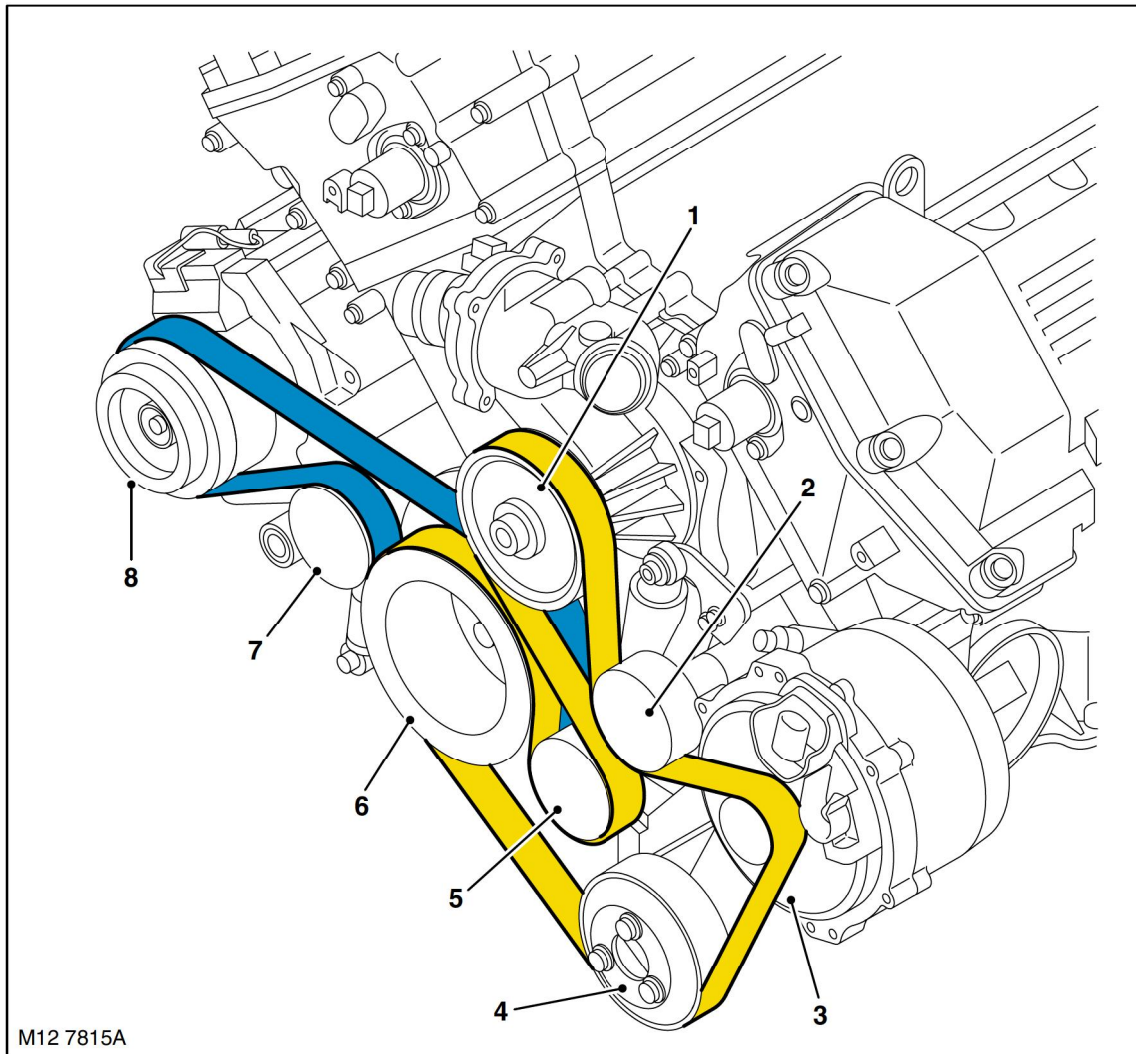
## ENGINE - V8

### Ancillary Components and Belt Drive

The ancillary components, the torsional vibration damper, alternator, A/C compressor, steering pump and water pump, are driven by the engine crankshaft by the aid of the ancillary drive belts. The A/C compressor is driven by a separate belt.

The belts, which are maintenance free poly-vee type belts, are automatically pre-loaded by two tensioning spring pots and are routed over deflection pulleys in order to maintain sufficient adhesion about the ancillary pulleys. This ensures slip-free drive of the ancillary components.

### Belt Drive



- |                                |                     |
|--------------------------------|---------------------|
| 1 Coolant pump                 | 5 Tensioner pulley  |
| 2 Idler pulley                 | 6 Crankshaft pulley |
| 3 Alternator                   | 7 Tensioner pulley  |
| 4 Power assisted steering pump | 8 A/C compressor    |

### Air Intake System

The inlet manifold is a light weight, one piece plastic moulding. Fuel is supplied by a single fuel rail and regulated by a single pressure regulator mounted on the end of the rail. The manifold is acoustically decoupled from the cylinder heads to reduce noise and vibrations.

The throttle plate has two wedges screwed directly to it, these provide a curved zone for smoother throttle response during idle, off-idle transition.

The combined output of the mixing plate ensures that the gasses and vapours are evenly distributed among all the cylinders, which can improve idle quality.