

ARJ093 Pulley Slipping

Although vehicles with ARJ093 and ANJ086 are now getting older (Falcon EB/ED with 6Cyl 4.0litre) we still see these Alternators sent back for warranty where they are tested and work perfectly.

The issue that commonly comes up is due to belt slippage. These alternators are fitted OE with quite a small diameter pulley and also a quite narrow belt at 3PK.

It is important to check that the belt is in very good condition and adjusted correctly as with minimal wrap around and a narrow belt they will slip very easily and once they do slip will generate quite a lot of heat and fail quickly.

JAS have also had information back from customers where this has been caused by a worn tensioner causing belt misalignment and slippage. Please check all components of the belt drive line when replacing any Alternator.

Please take note of the picture below where you will notice the amount of belt dust and discolouration of the pulley due to heat. This Alternator was returned with the complaint that the belt fails but was working perfectly with no signs of polling or being difficult to spin. The problem here was most likely an incorrectly adjusted belt or new belt fitted and then not re-tensioned after initial running.

