

Critical Fitment Warning

Subaru EJ20 - 25 ENGINES

TIMING COMPONENTS

These engines can suffer catastrophic failure if the OEM manufacturers fitment procedures are not followed.

A critical area of installation is checking the OEM manufacturers back clearance specification between the timing belt and the adjustable guide plate around the crankshaft gear. If there is insufficient clearance or the belt comes into contact with the guide plate the extreme heat generated will delaminate the timing belt and cause major bearing failure in a very short period of time.

This clearance should be between 0.5mm to 1.5mm.

Fig.1 & Fig.1A Shows an incorrect fitment with the timing belt already delaminating due too excessive heat that will result in a major failure Fig.1A.

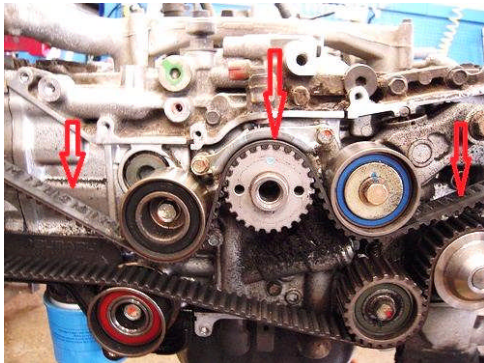


Fig.1

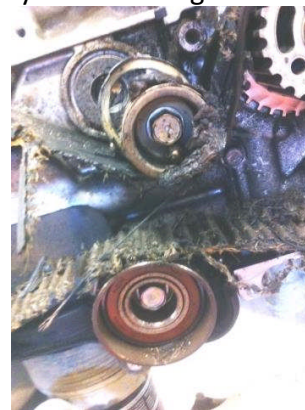


Fig.1A

Fig. 2 Shows a correct fitment with clearance set a 1.0mm.



Fig. 2



Nason recommend that when fitting a new belt that all timing components and seals are replaced and fitted to OEM manufactures specifications.