

With the idler out of the way... the chirp goes away!

Jeep's TSB solution for belt drive misalignment.



Wrangler



Liberty



Cherokee

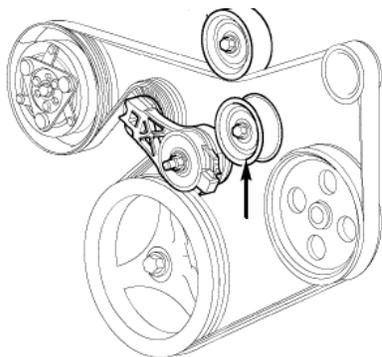
Customer Complaint: Chirp sound from Accessory drive belt.

Vehicles Affected: 2003-2005 Jeep Wrangler, Liberty and Cherokee

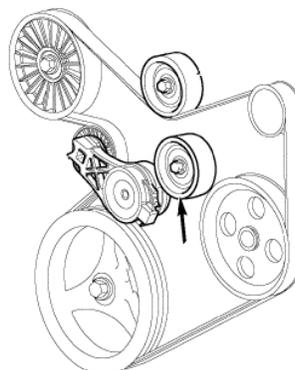
Engine Affected: 4cyl 2.4L gasoline engine (sales code ED1)

Many Jeep owners have complained about a chirp noise coming from the serpentine belt on their 2003-2005 2.4L Gasoline engine. The noise is most noticeable at idle in hot weather. Replacement of the stock belt seems to help only for a short time then the chirp noise comes back. So that mechanics can fix this once and for all, Jeep has issued a Technical Service Bulletin (TSB# 07-003-05) addressing this belt chirp issue. The TSB requires you to first verify if the power steering pulley is properly installed on the power steering pump. The center hub of the pulley should be flush with the end of the pump shaft. If the power steering pulley is in the correct position and the chirp noise still exists, you must then remove and discard one of the idler pulley assemblies. This idler is located directly in front of the tensioner, in between the power steering pulley and the crankshaft pulley. This idler has been found to be introducing belt misalignment into the accessory drive system, which creates the annoying chip like noise. Removal of this idler will require a shorter belt to be used. Due to the geometry of the revised belt routing, we strongly recommend to use a Goodyear Gatorback belt part # 4060760 for A/C applications and part # 4060690 for Non A/C systems. The Gatorback belt is truly superior when it comes to getting rid of water from the belt/pulley interface.

Note: In the 2 diagrams below, the arrow points to the idler that needs to be removed and discarded.



For Revised Belt routing (with A/C)
replace OE belt with a Goodyear
Gatorback belt # 4060760



For Revised Belt routing (No A/C)
replace OE belt with a Goodyear
Gatorback belt # 4060690