











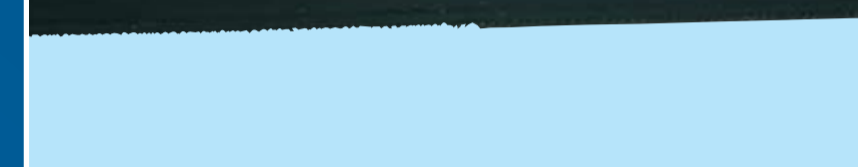





# TROUBLE SHOOTER

## DRIVE BELTS

SYMPTOM	CAUSE	REMEDY
<b>BROKEN BELT (jagged)</b> 	Foreign body in drive Low tension due to incorrect fitment (rides over pulley edge) Component blockage in the drive Excessive fitting tension	Ensure cover is fitted correctly Fit and maintain to vehicle manufacturers' recommended tension Check the state of wear of the components Tension the belt properly,
<b>SHEARED TEETH</b> 	Low tension due to incorrect fitment Drive pulley seized Jammed transmission component Misaligned pulleys	Fit and maintain to vehicle manufacturers' recommended tension Investigate and remedy seizure Verify the wear condition of the transmission components Align pulleys
<b>HI-TENSION FAILURE</b> 	Belt too tight due to incorrect fitment	Fit and maintain to vehicle manufacturers' recommended Tension
<b>HOLLOW TEETH</b> 	Low tension setting (due to incorrect fitment) Running tension too low (due to incorrect fitment)	Fit and maintain to vehicle manufacturers' recommended tension Check tensioner serviceability
<b>BROKEN BELT</b> 	Belt folded prior to or during fitment (due to careless handling) Belt damaged during assembly by inappropriate tools	Avoid mishandling belt Use only tools recommended by manufacturer
<b>OIL CONTAMINATION</b> 	Engine oil leak	Cure oil leak
<b>EDGE WEAR</b> 	Pulley flange damaged Pulley misaligned	Renew pulley Check alignment
<b>TOP SURFACE CRACKS</b> 	Excessive heat Ageing Backside idler pulley sluggish	Check cause for high temperature Replace the belt Replace pulley
<b>LAND AREA FABRIC WEAR</b> 	Excessive belt tension Pulley is worn out (rough surface)	Fit and maintain to vehicle manufacturers' recommended tension Replace pulley
<b>NOISY OPERATION</b> 	Excessive or low tension (due to incorrect fitment) Pulley misaligned or damaged	Fit and maintain to vehicle manufacturers' recommended tension Check alignment and inspect pulley surface

## FAN & POLY-V BELTS

SYMPTOM	CAUSE	REMEDY
<b>HARDENED, POLISHED FLANKS</b> 	Incorrect tensioning Misaligned pulley Tension member damaged (due to incorrect installation)	Fit and maintain to vehicle manufacturers' recommended tension Align pulley Install properly
<b>UNEVEN WEAR OF RIBS</b> 	Substantial vibrations Misaligned pulley	Fit and maintain to vehicle manufacturers' recommended tension Align pulley
<b>CRACKS AND CHUNK OUT</b> 	Excessive or low tension Ageing	Fit and maintain to vehicle manufacturers' recommended tension Replace the belt
<b>BROKEN BELT</b> 	Belt folded prior to or during fitment (due to careless handling) Belt damaged during assembly by inappropriate tools Excessive belt tension	Avoid mishandling belt Use only tools recommended by Manufacturer Fit and maintain to vehicle manufacturers' recommended tension
<b>MATERIAL DEPOSITS</b> 	Low tension setting Misaligned pulley Worn-out pulley (rough surface) Excessive torsional engine vibration	Fit and maintain to vehicle manufacturers' recommended tension Align pulley Replace pulley Check engine operation
<b>NOISY OPERATION</b> 	Insufficient tension Belt past its useful life	Fit and maintain to vehicle manufacturers' recommended tension Replace the belt
<b>BELT BACKSIDE DAMAGE</b> 	Backside idler pulley defective (sluggish, damaged surface)	Replace backside idler pulley

## RSM3000

Correct belt tension is essential for optimum performance and long service life of belt drives. Take the guesswork out of belt tensioning and do a better job for your customers. (info: [RSM3000@Veyance.com](mailto:RSM3000@Veyance.com))

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