TECH TIP

IDLE GEAR CASE AND IDLE GEAR BOLT DESIGN CHANGE

GROUP: 11-ENGINE
TECH TIP NO: TT-19-018
DATE: 10-15-2019

SUBJECT VEHICLES

2005MY-2013MY

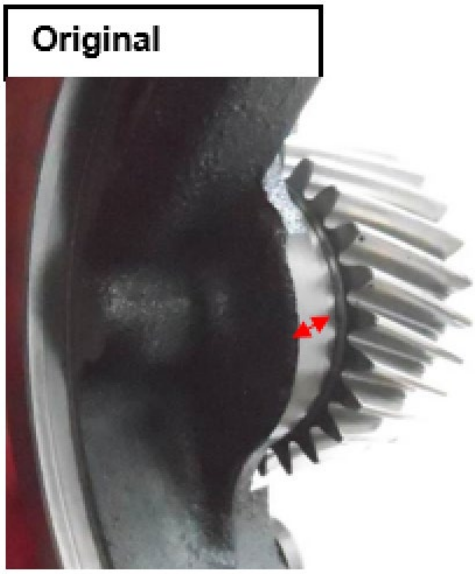
LDT (NA6J, NB6J, NC6J) and MDT (ND8J, NE8J, NF8J, NJ8J, NV8J) HINO trucks equipped with:
J05D-TA, J08E-TA & J08E-TB (EPA04) J05D-TF, J08E-TV & J08E-TW (EPA07)

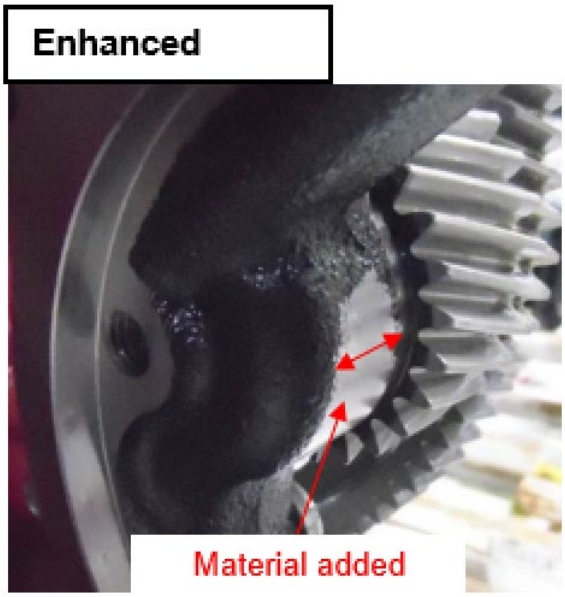
MDT (NE8J, NF8J, NJ8J, and NV8J) HINO trucks equipped with:
J08E-VC, J08E-VB (EPA10)

OVERVIEW

This design change of the idler gear case and idler gear bolt is to address the idler gear bolt loosening under abnormal loading from fuel supply pump and the gear train. The redesigned idler gear case and idler gear bolt are designed to increase their robustness and prevent the idler gear bolt from loosening.

CAUTION*: The new *idler gear bolt and idler gear housing* are not interchangeable with the previous *idler gear bolt and idler gear housing.





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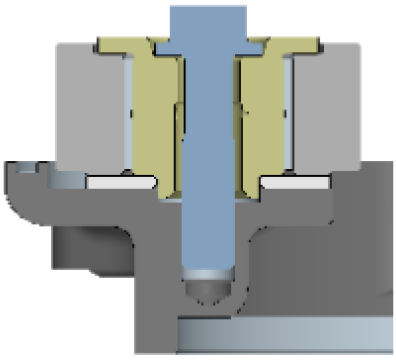
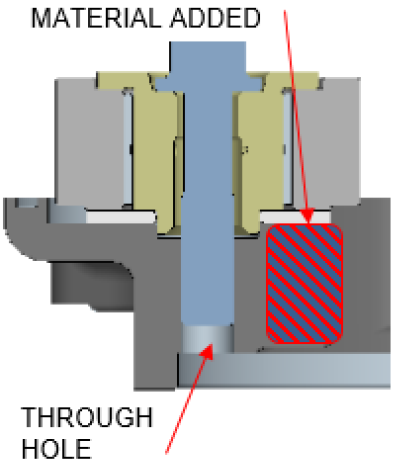
Contents	Original	Enhancements
Cross section of idler gear case In picture above		
Bolt Grade	10T	11T
Bolt length	50mm	58mm
Tightening Torque	108Nm - Apply oil to the threads and Seat surfaces before tightening	

	LDT	MDT	MDT
MODELS	NA6J, NB6J, NC6J	ND8J, NE8J, NF8J, NJ8J, NV8J	NE8J, NF8J, NJ8J, NV8J
EPA YEARS	**EPA04**	**EPA07**	**EPA10**
OLD CASE part number	*13607-E0020-A*	*13607-E0010*	*13607-E0051*
NEW CASE Part Number	13607-E0021	13607-E0011	13607-E0052
OLD BOLT part number	*SZ910-24194*	*SZ910-24194*	*SZ910-24194*
NEW BOLT Part Number	SZ910-24489	SZ910-24489	SZ910-24489
ENGINES	J05D-TA, J08E-TA, J08E-TB	J05D-TF, J08E-TV, J08E-TW	J08E-VC, J08EVB
Clean Date	J05D-TA Not produced after 10/2010	J05D-TF 16310 9/28/2012	J08E-VC 21977 9/28/2012
	J08E-TA 24815 9/20/2012	J08E-TV 20479 2/18/2013	J08E-VB 15625 9/28/2012
	J08E-TB 25100 1/23/2013	J08E-TW 14611 2/22/2013	

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